

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122118\
 Data File : VW007700.D
 Acq On : 19 Dec 2018 14:27
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Quant Time: Dec 20 06:23:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 05:57:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	114083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	102878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	15823	20.43	ug/l	0.00	apatel
Spiked Amount	50.000		Recovery	=	40.86%		
35) Dibromofluoromethane	7.88	113	14023	20.15	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	40.30%		
50) Toluene-d8	10.32	98	52787	20.12	ug/l	0.00	12/20/2018 11:19:36 AM
Spiked Amount	50.000		Recovery	=	40.24%		
62) 4-Bromofluorobenzene	12.62	95	20860	20.58	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	41.16%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12285	19.561	ug/l	89
3) Chloromethane	2.21	50	7915	20.524	ug/l	100
4) Vinyl Chloride	2.37	62	10258	20.896	ug/l	94
5) Bromomethane	2.78	94	6806	19.905	ug/l	85
6) Chloroethane	2.92	64	5439	20.709	ug/l	95
7) Trichlorofluoromethane	3.25	101	9576	18.736	ug/l	98
8) Diethyl Ether	3.68	74	5863	18.729	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	15737	21.175	ug/l	96
10) Methyl Iodide	4.26	142	24862	20.770	ug/l	98
11) Tert butyl alcohol	5.17	59	5642	108.015	ug/l	98
12) 1,1-Dichloroethene	4.03	96	14494	20.795	ug/l	98
13) Acrolein	3.89	56	4827	115.579	ug/l	95
14) Allyl chloride	4.67	41	18842	20.614	ug/l	99
15) Acrylonitrile	5.37	53	13933	104.339	ug/l	97
16) Acetone	4.12	43	14878	102.609	ug/l	98
17) Carbon Disulfide	4.38	76	44225	20.504	ug/l	99
18) Methyl Acetate	4.67	43	6895	19.995	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	21272	21.258	ug/l	92
20) Methylene Chloride	4.90	84	17863	20.440	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	15696	20.475	ug/l	98
22) Diisopropyl ether	6.31	45	36118	21.103	ug/l	98
23) Vinyl Acetate	6.25	43	105807	104.054	ug/l	97
24) 1,1-Dichloroethane	6.21	63	26296	20.885	ug/l	97
25) 2-Butanone	7.17	43	17967	105.791	ug/l	95
26) 2,2-Dichloropropane	7.16	77	19799	21.489	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	16895	20.687	ug/l	99
28) Bromochloromethane	7.51	49	8746	20.373	ug/l	99
29) Tetrahydrofuran	7.52	42	10716	105.781	ug/l	100
30) Chloroform	7.68	83	30178	21.179	ug/l	97
31) Cyclohexane	7.95	56	23572	20.450	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	26950	20.767	ug/l	98
36) 1,1-Dichloropropene	8.08	75	22629	20.551	ug/l	99
37) Ethyl Acetate	7.25	43	7692	20.242	ug/l	98
38) Carbon Tetrachloride	8.06	117	26529	20.458	ug/l	91

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Manual Integrations
 APPROVED

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 05:57:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28141	20.567	ug/l	98
40) Benzene	8.32	78	60861	20.713	ug/l	100
41) Methacrylonitrile	7.49	41	4312	19.986	ug/l	92
42) 1,2-Dichloroethane	8.40	62	20437	20.755	ug/l	98
43) Isopropyl Acetate	8.43	43	15477	20.329	ug/l	98
44) Trichloroethene	9.09	130	18287	20.580	ug/l	100
45) 1,2-Dichloropropane	9.37	63	13405	20.561	ug/l	95
46) Dibromomethane	9.46	93	8358	20.825	ug/l	99
47) Bromodichloromethane	9.65	83	21670	20.539	ug/l	95
48) Methyl methacrylate	9.44	41	7797	20.517	ug/l	97
49) 1,4-Dioxane	9.45	88	2617	411.281	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	37242	103.507	ug/l	97
52) Toluene	10.39	92	40020	20.300	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	21598	20.580	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	23886	20.606	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	11854	21.425	ug/l	95
56) Ethyl methacrylate	10.65	69	13480	20.621	ug/l	96
57) 1,3-Dichloropropane	10.93	76	19046	20.730	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	31440	105.339	ug/l	99
59) 2-Hexanone	10.97	43	25886	102.301	ug/l	99
60) Dibromochloromethane	11.13	129	15125	20.646	ug/l	99
61) 1,2-Dibromoethane	11.24	107	11422	20.386	ug/l	98
64) Tetrachloroethene	10.86	164	15267	20.957	ug/l	97
65) Chlorobenzene	11.66	112	47155	21.177	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	16549	20.800	ug/l	98
67) Ethyl Benzene	11.73	91	80691	21.118	ug/l	97
68) m/p-Xylenes	11.84	106	63556	42.878	ug/l	99
69) o-Xylene	12.17	106	30002	21.593	ug/l	94
70) Styrene	12.18	104	48208	21.108	ug/l	99
71) Bromoform	12.35	173	8527	20.645	ug/l	97
73) Isopropylbenzene	12.47	105	83417	20.798	ug/l	100
74) N-amyl acetate	12.27	43	14233	20.487	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	12490	20.770	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	7831m	9.749	ug/l	
77) Bromobenzene	12.75	156	19075	20.753	ug/l	100
78) n-propylbenzene	12.80	91	98136	21.020	ug/l	99
79) 2-Chlorotoluene	12.90	91	56077	20.618	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	73491	21.243	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	4033	20.642	ug/l	97
82) 4-Chlorotoluene	12.99	91	60103	20.754	ug/l	97
83) tert-Butylbenzene	13.21	119	64844	21.362	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	75685	21.681	ug/l	99
85) sec-Butylbenzene	13.39	105	88372	21.124	ug/l	100
86) p-Isopropyltoluene	13.51	119	81986	21.552	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	38687	21.199	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	37775	20.693	ug/l	98
89) n-Butylbenzene	13.83	91	73554	21.089	ug/l	99
90) Hexachloroethane	14.10	117	13549	20.288	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	35070	21.463	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2504	20.276	ug/l	97

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#

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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Quant Time: Dec 20 06:23:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 05:57:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23779	20.965	ug/l	99
94) Hexachlorobutadiene	15.24	225	12770	21.067	ug/l	98
95) Naphthalene	15.37	128	43845	20.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	20290	20.898	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed apatel

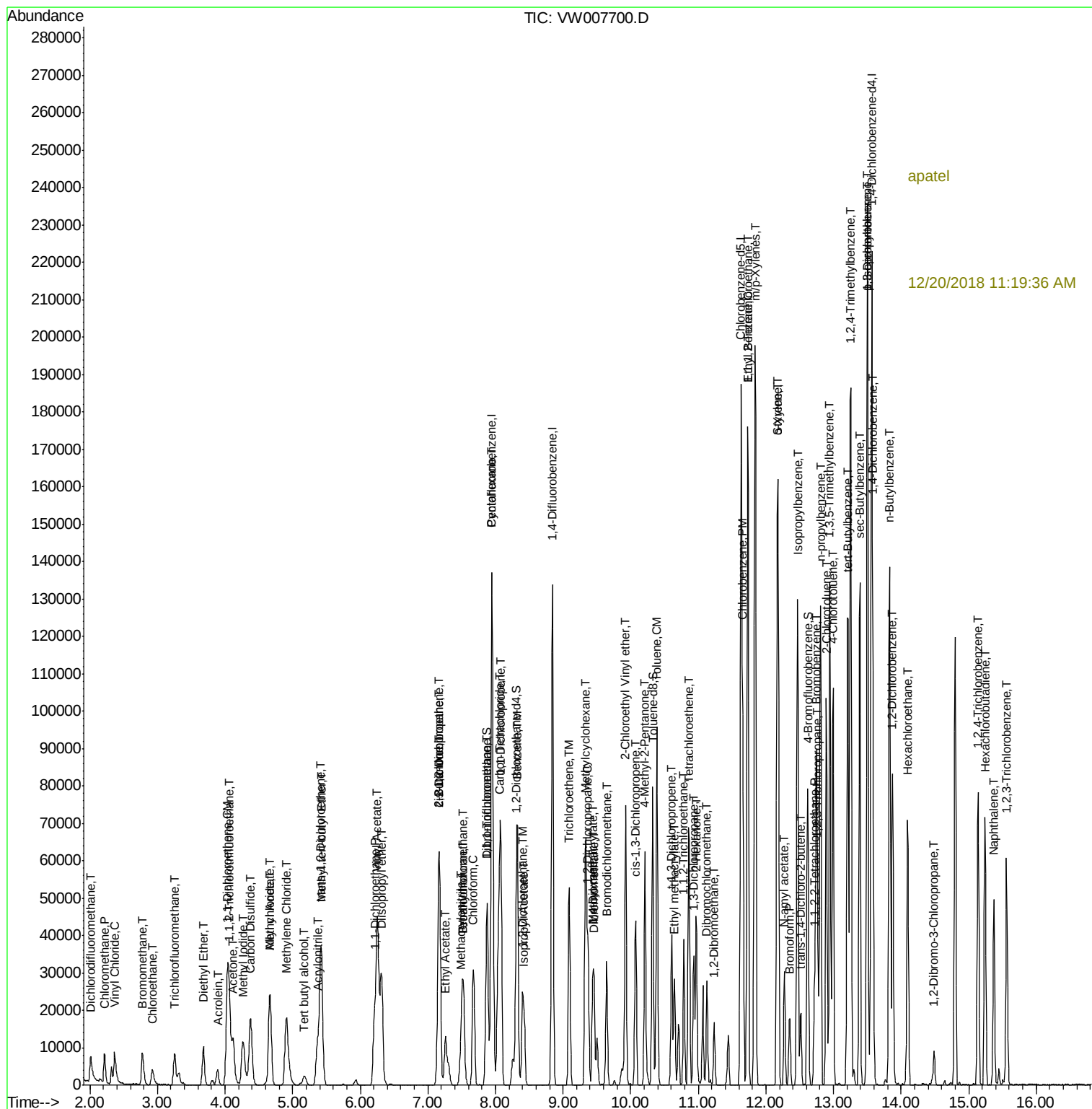
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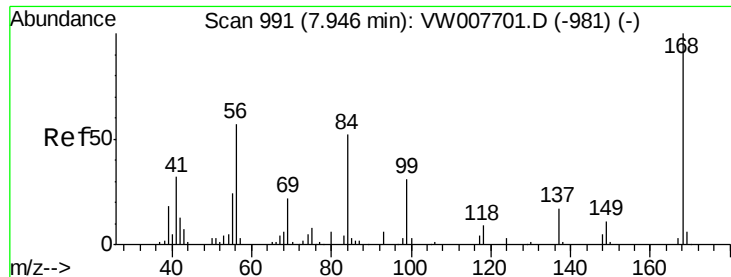
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122118\
 Data File : VW007700.D
 Acq On : 19 Dec 2018 14:27
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
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 ClientSampleId :
 VSTDIC020

Manual Integrations
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Quant Time: Dec 20 06:23:42 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 05:57:50 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 70646

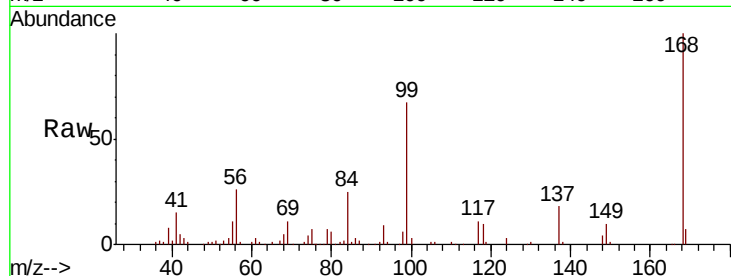
Ion Ratio Lower Upper

168 100

99 67.3 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

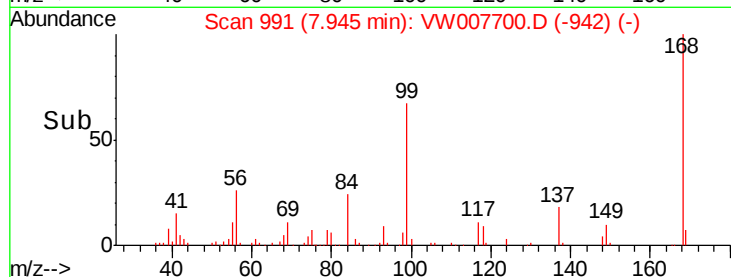
20000

10000

0

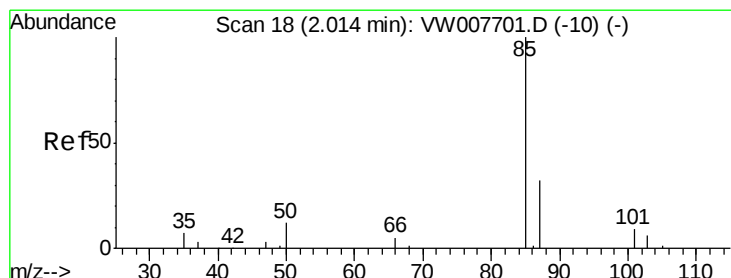
7.85 7.90 7.95 8.00 8.05

Time-->



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#2

Dichlorodifluoromethane

Concen: 19.561 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007700.D

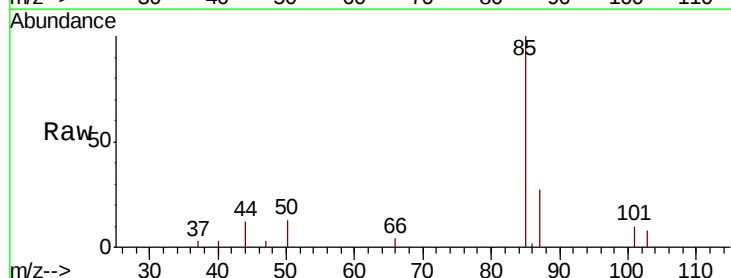
Acq: 19 Dec 2018 14:27

Tgt Ion: 85 Resp: 12285

Ion Ratio Lower Upper

85 100

87 26.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

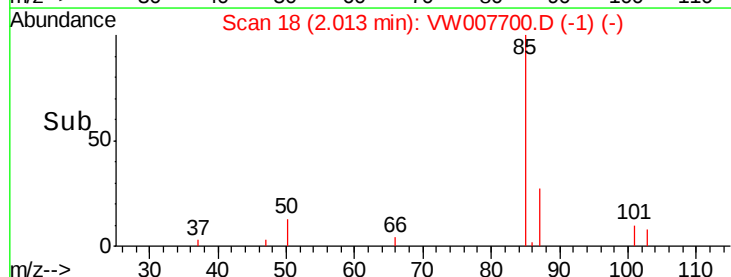
2000

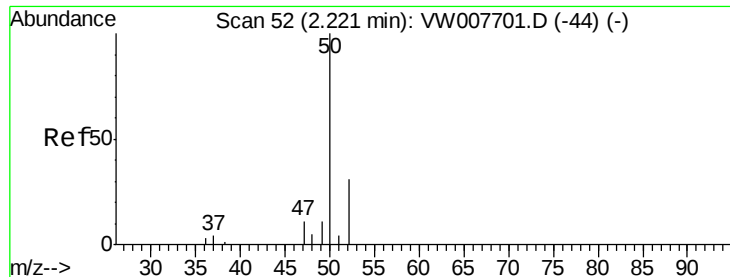
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.524 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

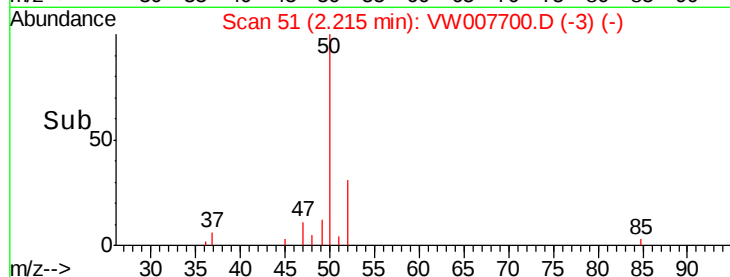
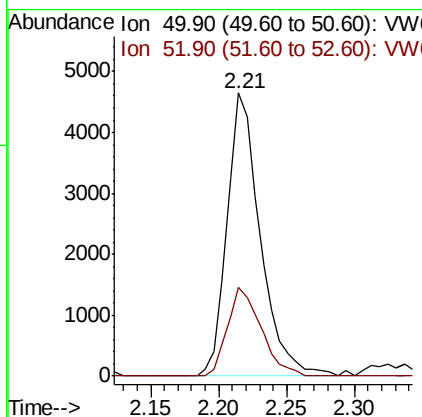
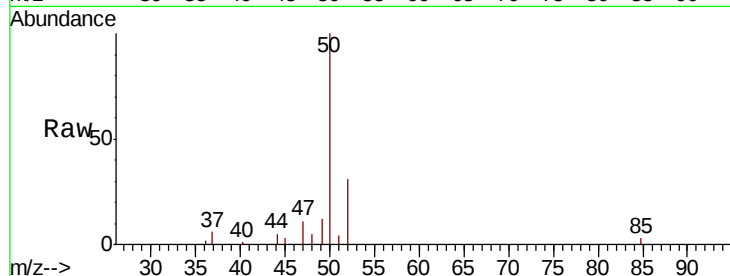
Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tot Ion	50	52	Resp	Lower	Upper
7915	100	31.4		25.1	37.7

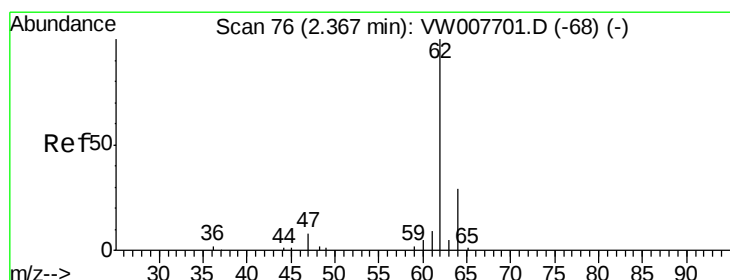
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.896 ug/l

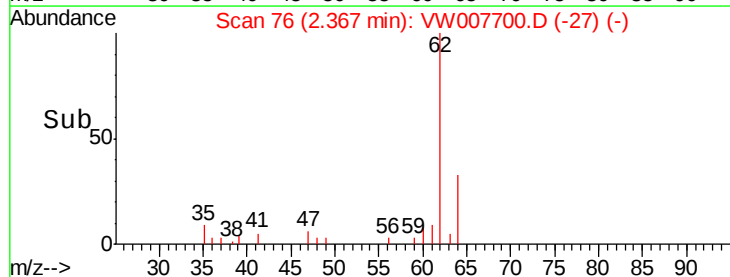
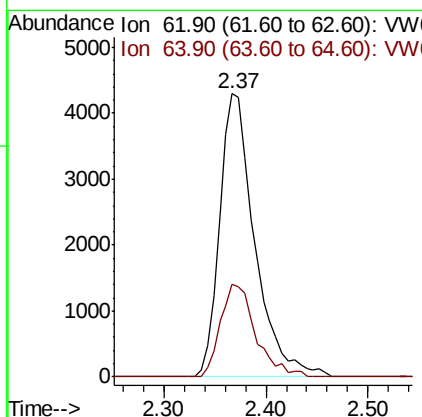
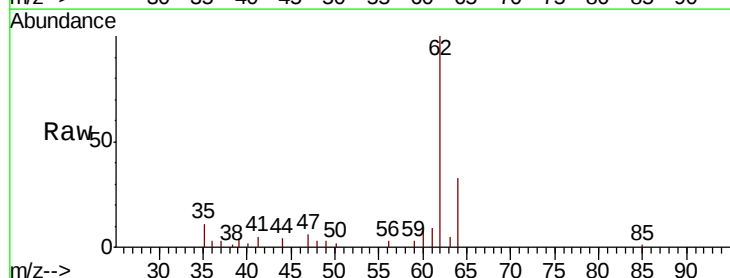
RT: 2.37 min Scan# 76

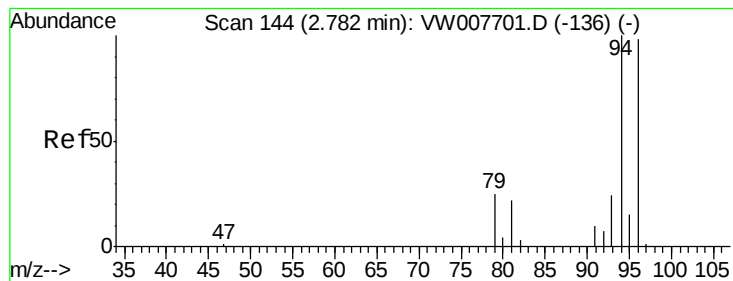
Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tgt Ion	62	64	Resp	Lower	Upper
10258	100	32.6		23.4	35.0





#5

Bromomethane

Concen: 19.905 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tot Ion: 94 Resp: 6806

Ion Ratio Lower Upper

94 100

96 83.4 78.2 117.2

Instrument :

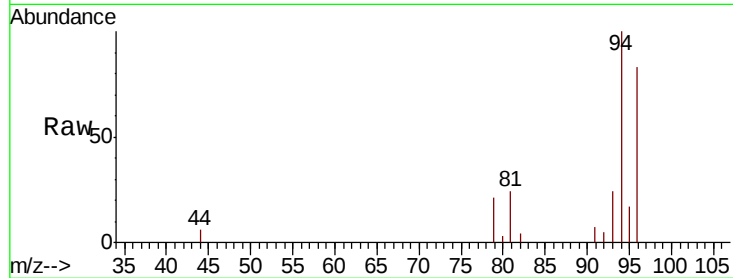
MSVOA_W

ClientSampleId :

VSTDIC020

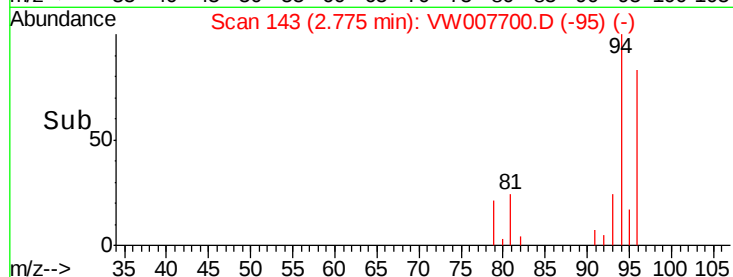
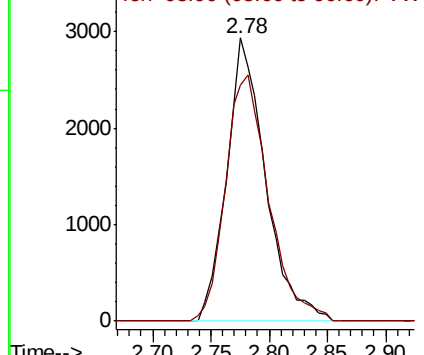
Manual Integrations

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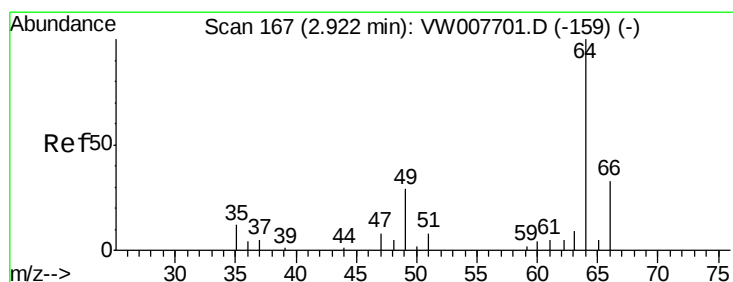
Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



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#6

Chloroethane

Concen: 20.709 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007700.D

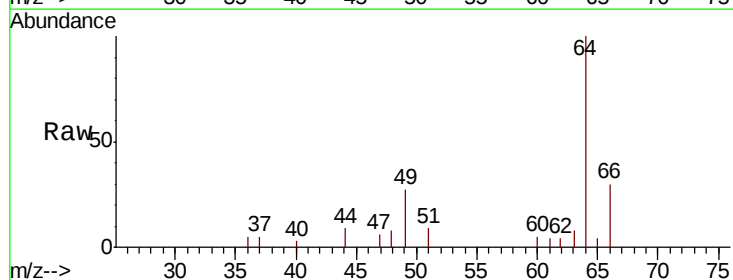
Acq: 19 Dec 2018 14:27

Tgt Ion: 64 Resp: 5439

Ion Ratio Lower Upper

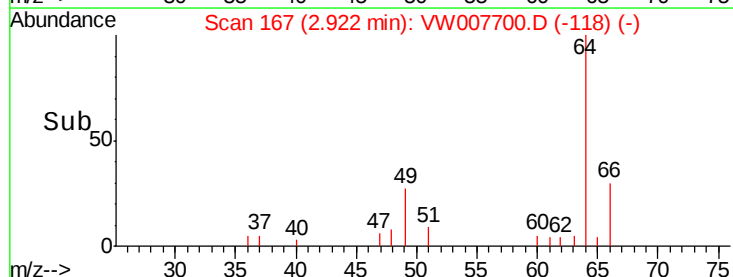
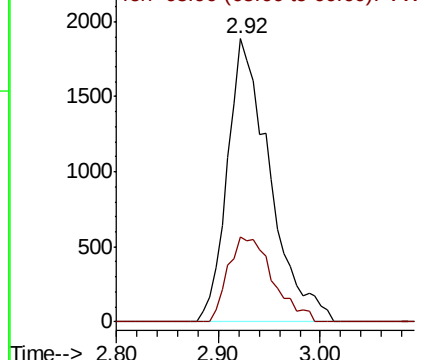
64 100

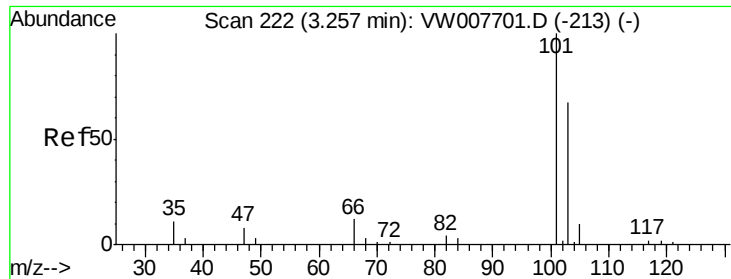
66 30.0 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





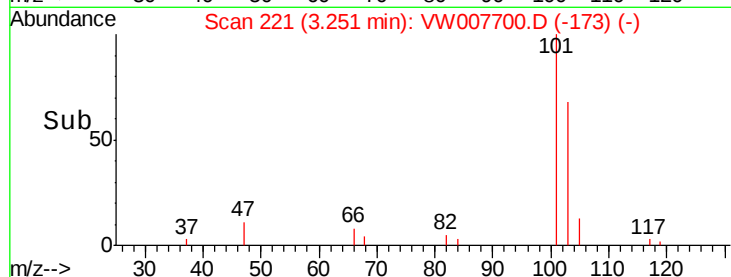
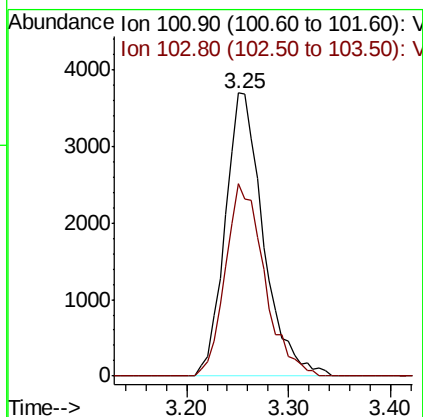
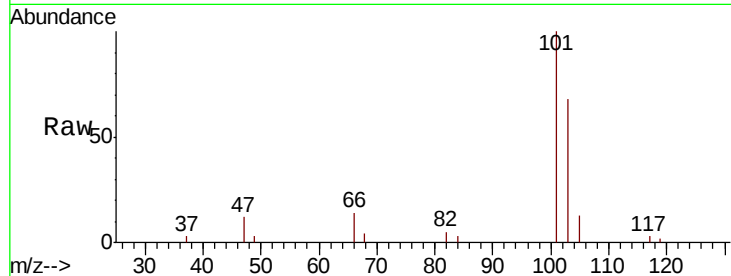
#7

Trichlorofluoromethane
Concen: 18.736 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
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ClientSampleId :
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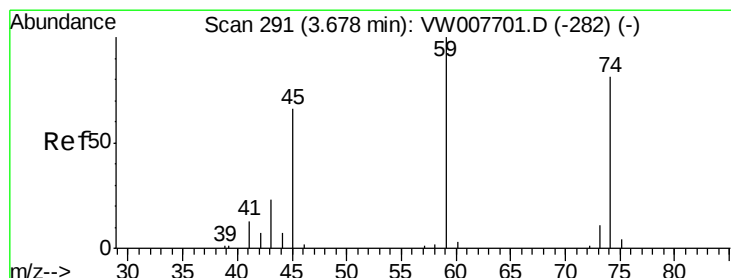
Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	53.4	80.2

Manual Integrations
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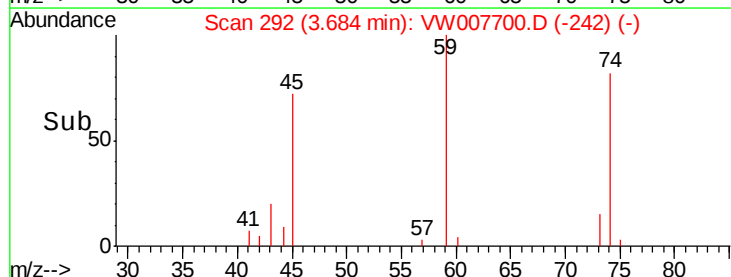
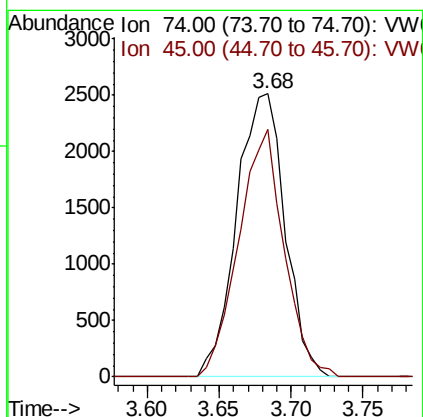
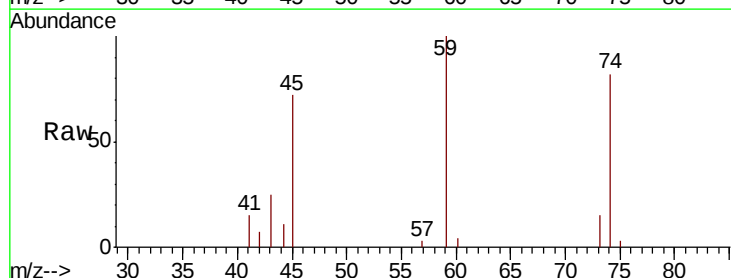
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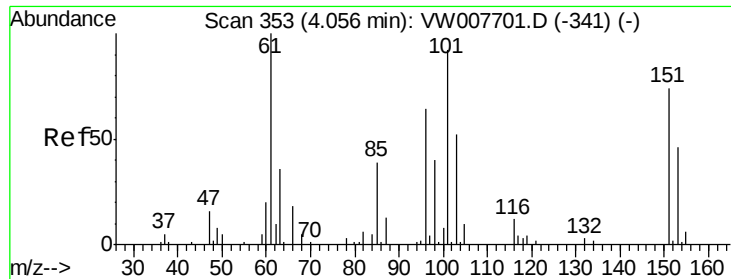


#8

Diethyl Ether
Concen: 18.729 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.8	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.175 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

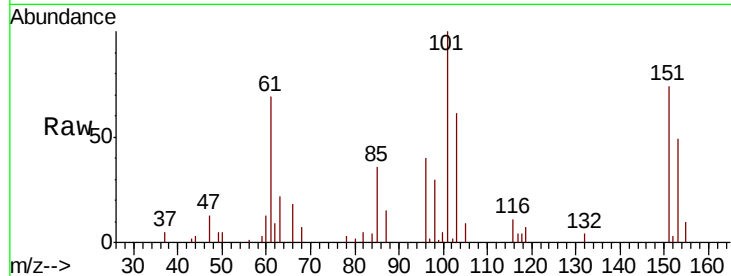
MSVOA_W

ClientSampleId :

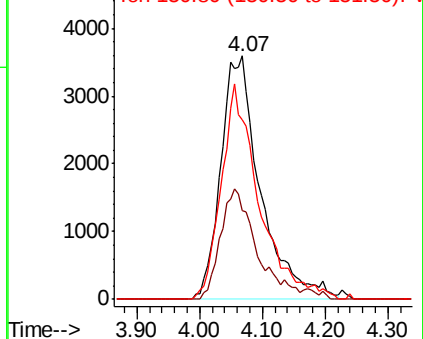
VSTDIC020

Tot Ion:	101	Resp:	15737
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.3	51.5
151	84.2	64.6	96.8

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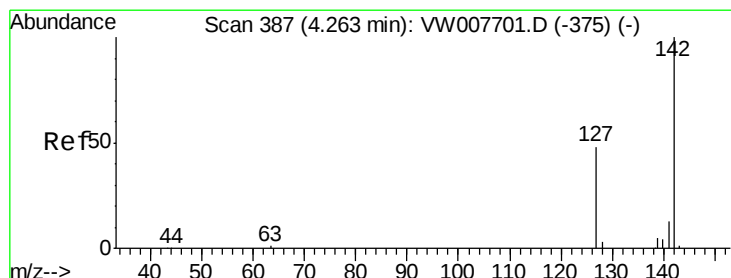
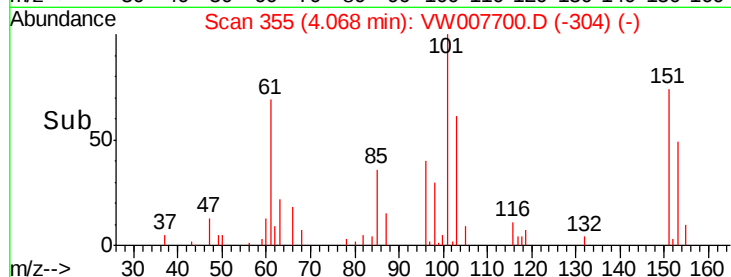


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 20.770 ug/l

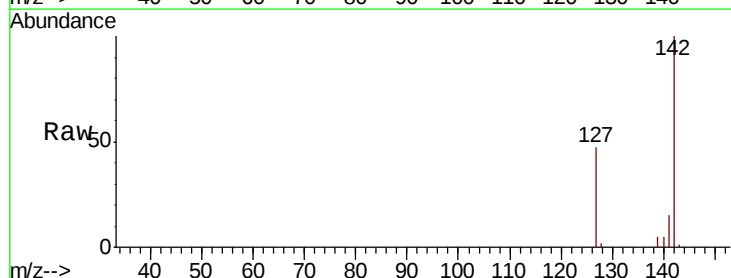
RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

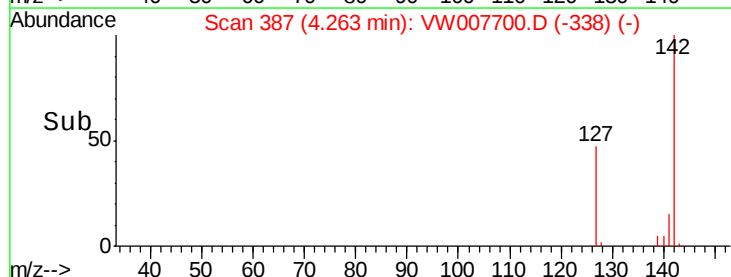
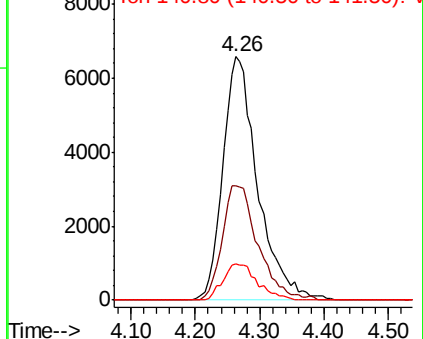
Lab File: VW007700.D

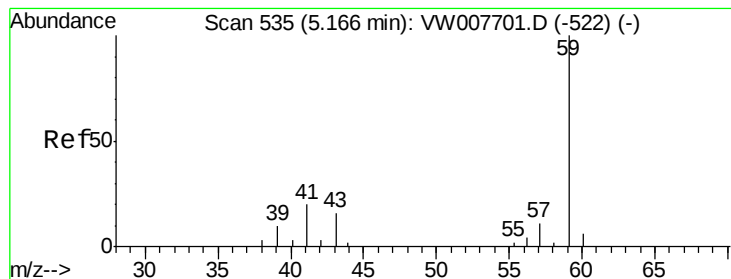
Acq: 19 Dec 2018 14:27

Tgt Ion:	142	Resp:	24862
Ion Ratio	Lower	Upper	
142	100		
127	48.2	37.7	56.5
141	14.8	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





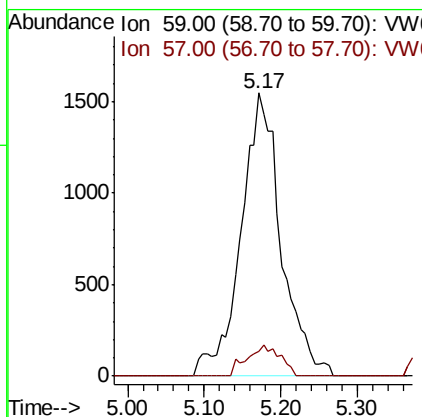
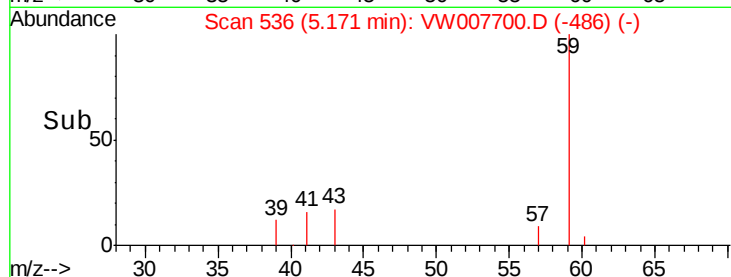
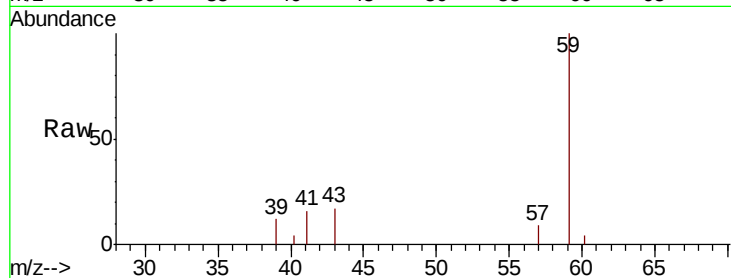
#11

Tert butyl alcohol
Concen: 108.015 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

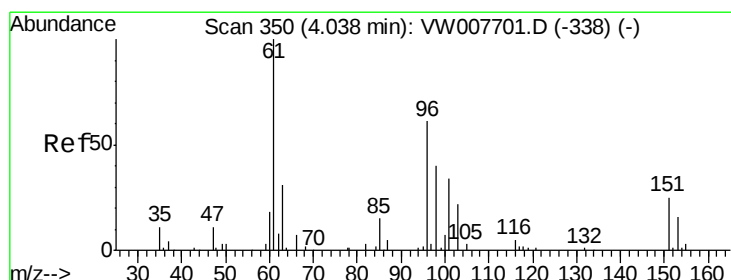
Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.8	11.8

Manual Integrations
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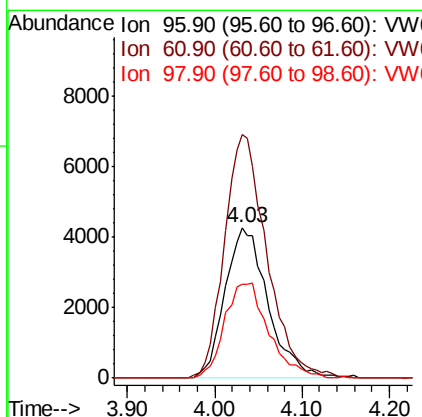
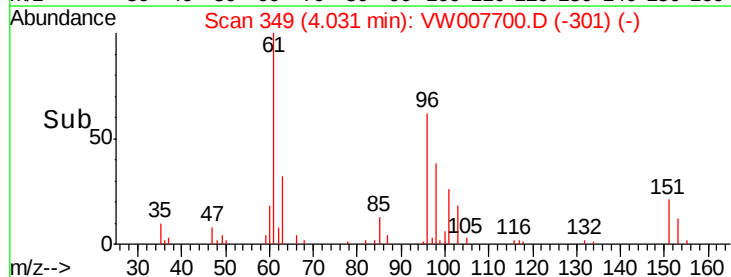
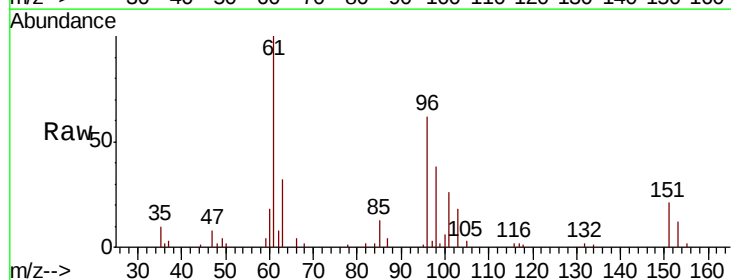
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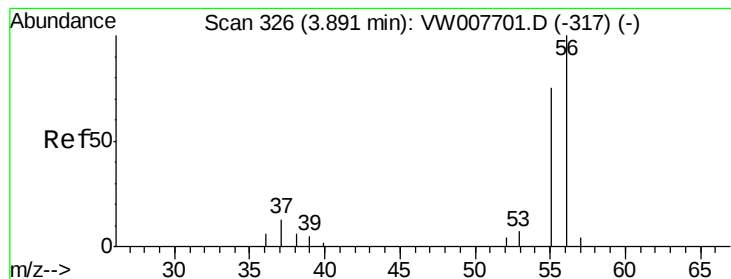


#12

1,1-Dichloroethene
Concen: 20.795 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	130.6	195.8
98	62.1	52.3	78.5





#13

Acrolein

Concen: 115.579 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 4827

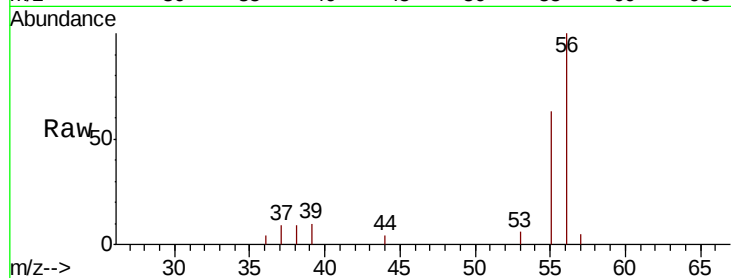
Ion Ratio Lower Upper

56 100

55 68.0 57.7 86.5

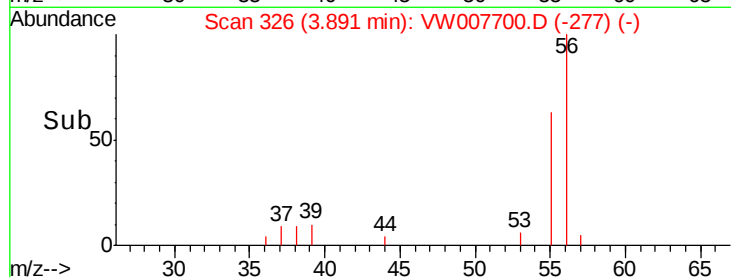
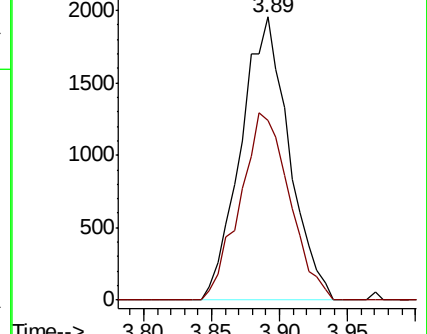
Manual Integrations

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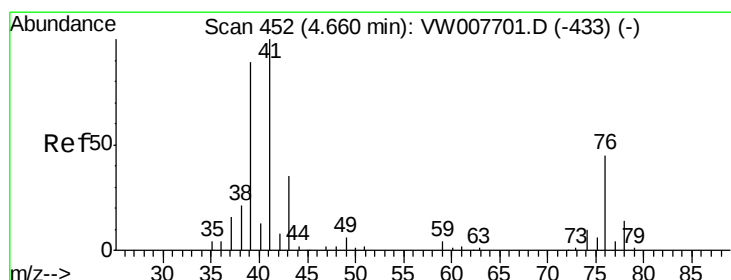
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



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#14

Allyl chloride

Concen: 20.614 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

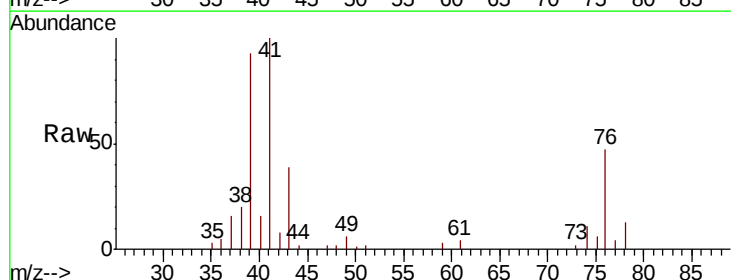
Tgt Ion: 41 Resp: 18842

Ion Ratio Lower Upper

41 100

39 88.0 69.5 104.3

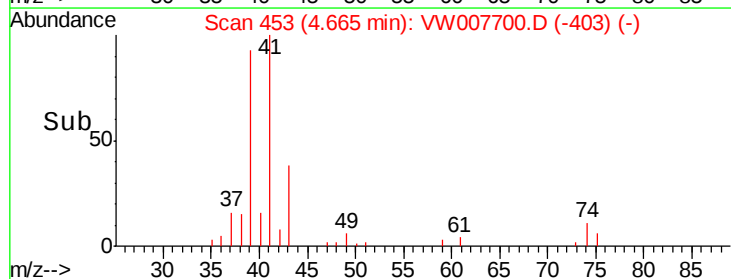
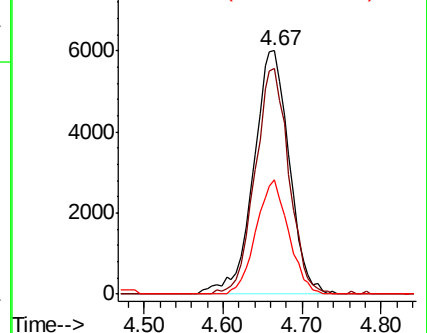
76 42.9 34.8 52.2

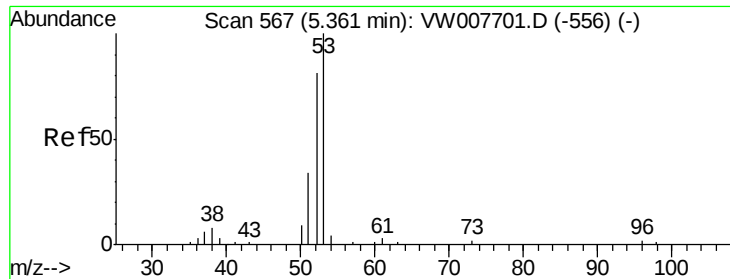


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 104.339 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

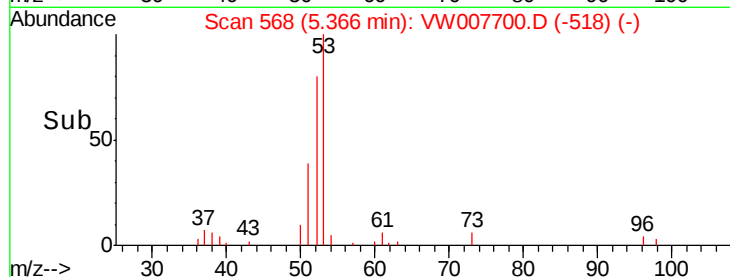
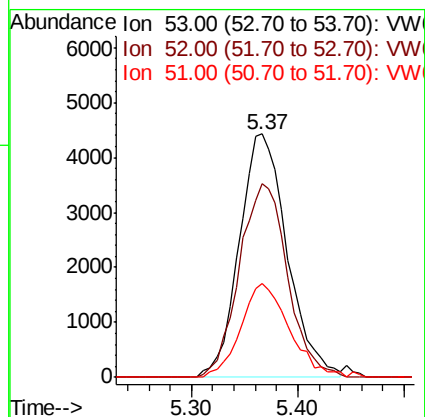
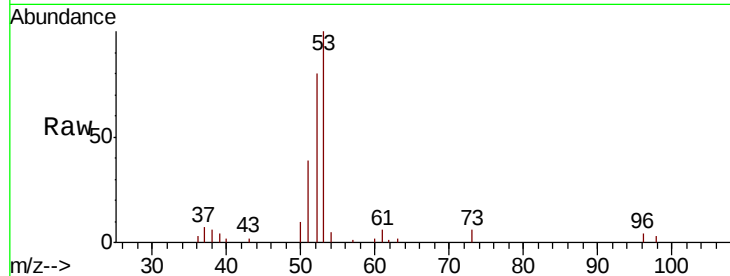
MSVOA_W

ClientSampleId :

VSTDIC020

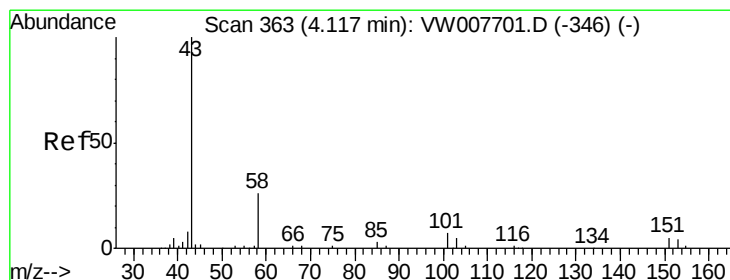
Tot Ion:	53	Resp:	13933
Ion	Ratio	Lower	Upper
53	100		
52	80.5	67.0	100.4
51	39.0	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 102.609 ug/l

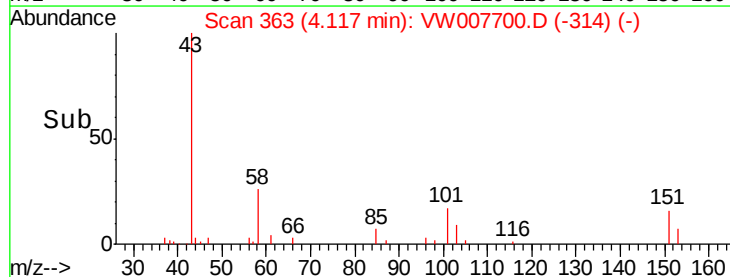
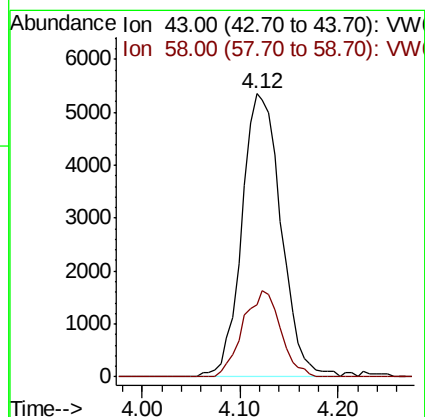
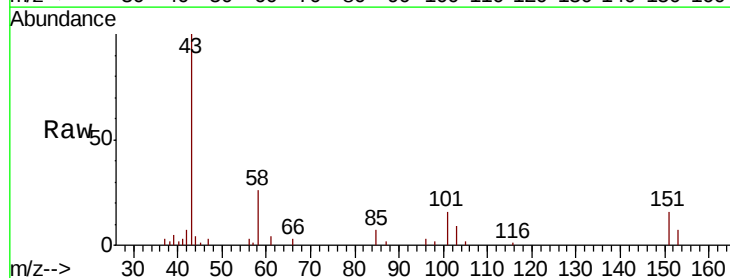
RT: 4.12 min Scan# 363

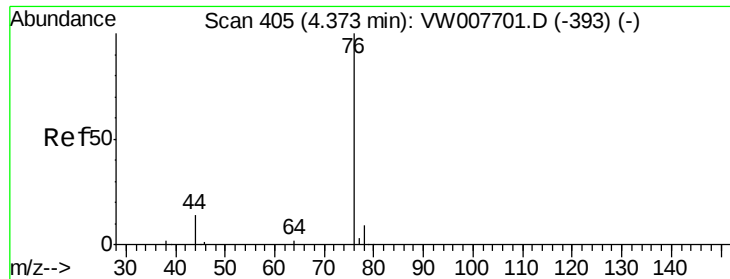
Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tgt Ion:	43	Resp:	14878
Ion	Ratio	Lower	Upper
43	100		
58	25.6	21.2	31.8



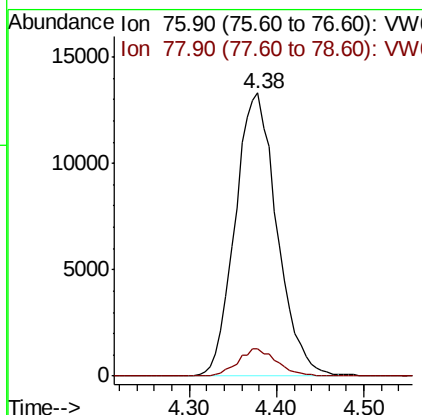
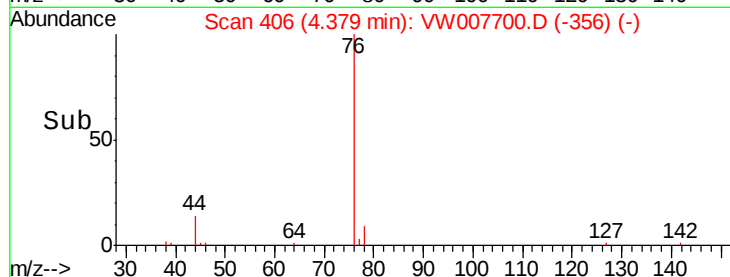
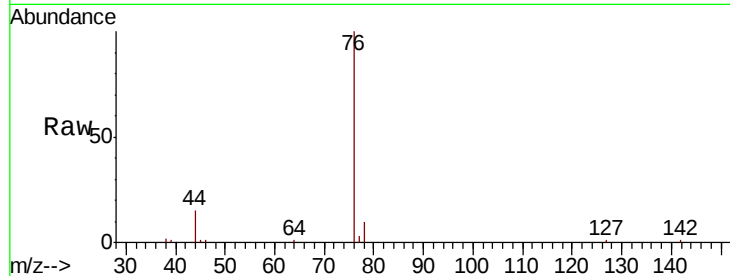


#17
Carbon Disulfide
Concen: 20.504 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

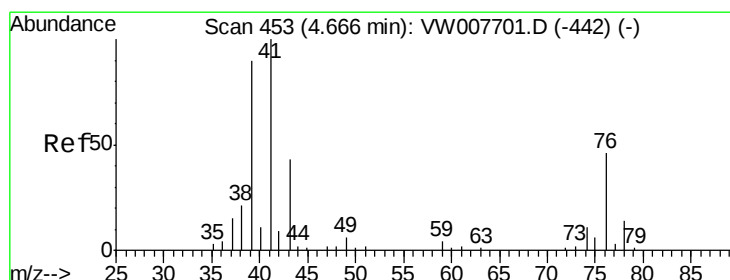
Tot Ion	76	Resp	44225
Ion Ratio	Lower	Upper	
76	100		
78	9.6	7.3	10.9

Manual Integrations
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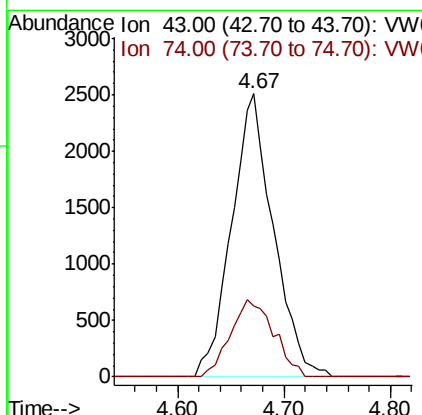
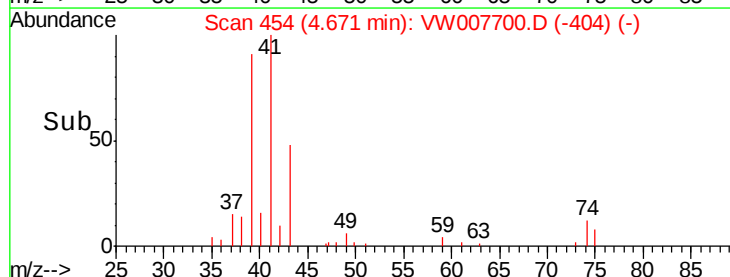
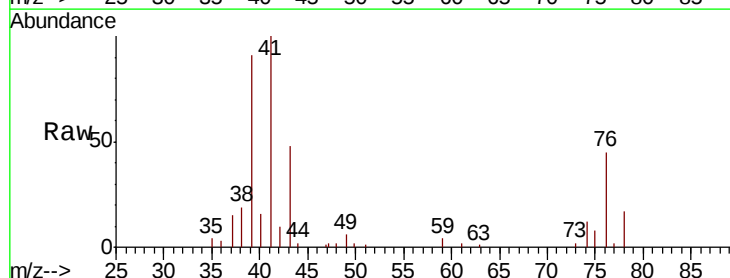
apatel

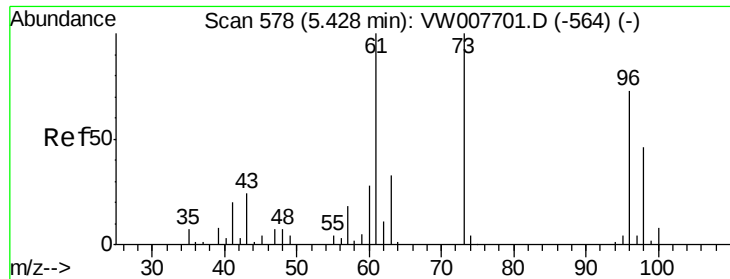
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#18
Methyl Acetate
Concen: 19.995 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	43	Resp	6895
Ion Ratio	Lower	Upper	
43	100		
74	28.3	22.7	34.1



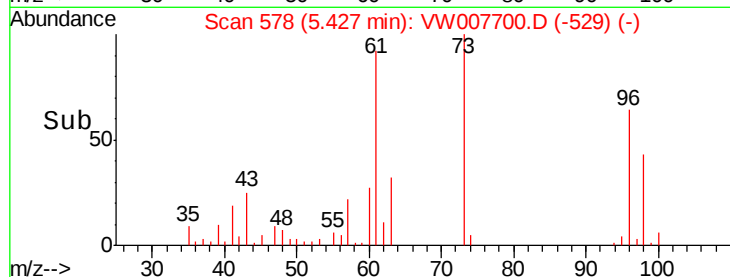
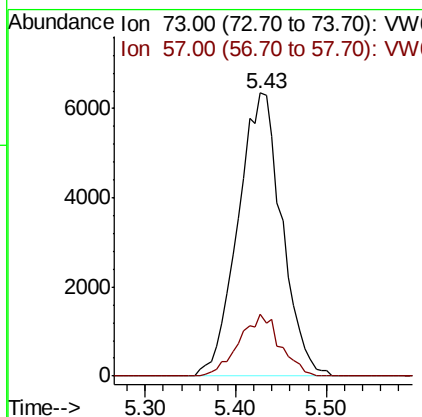
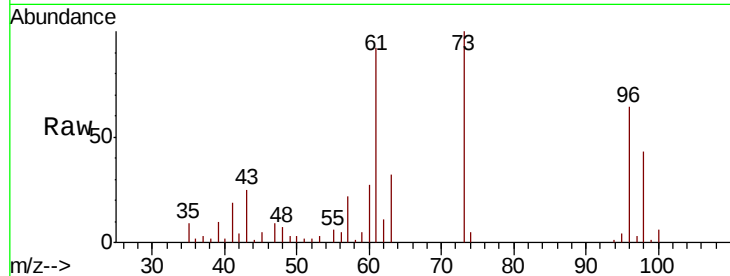


#19
Methyl tert-butyl Ether
Concen: 21.258 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

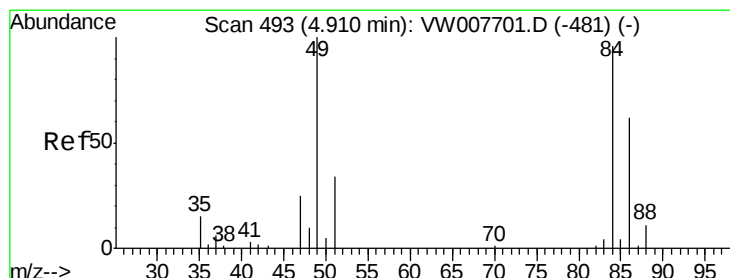
Tot Ion: 73 Resp: 21272
Ion Ratio Lower Upper
73 100
57 22.0 14.7 22.1

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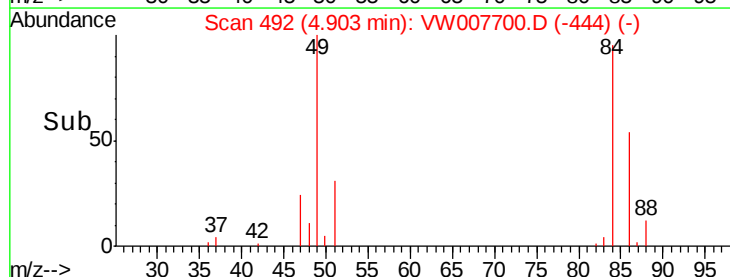
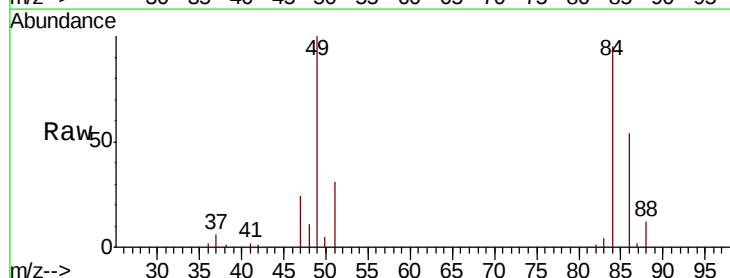
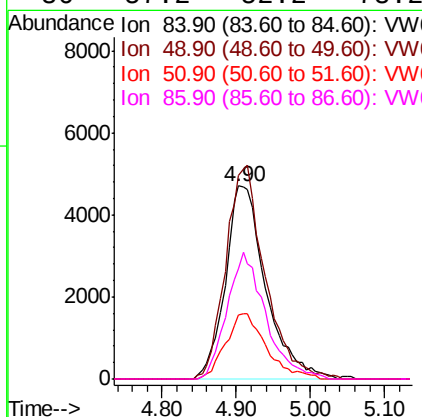
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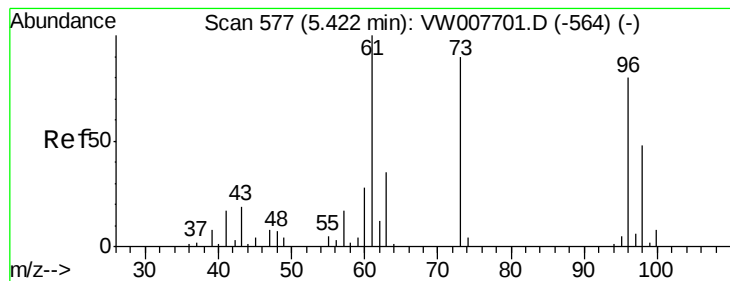
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#20
Methylene Chloride
Concen: 20.440 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion: 84 Resp: 17863
Ion Ratio Lower Upper
84 100
49 105.4 83.7 125.5
51 32.9 28.2 42.2
86 57.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.475 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 15696

Ion Ratio Lower Upper

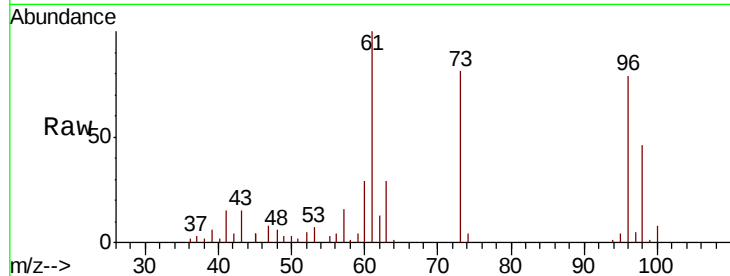
96 100

61 126.0 100.1 150.1

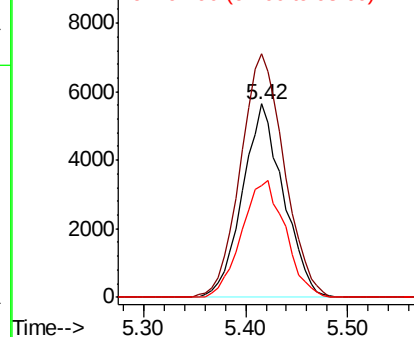
98 57.9 48.5 72.7

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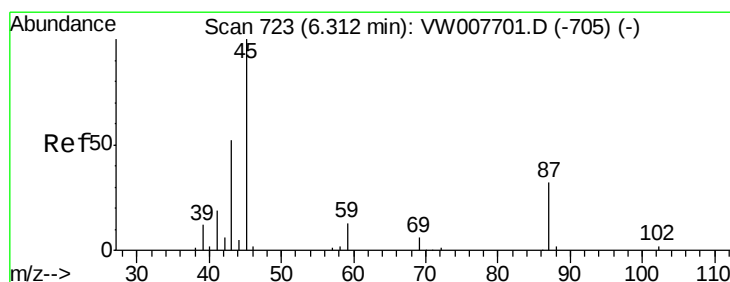
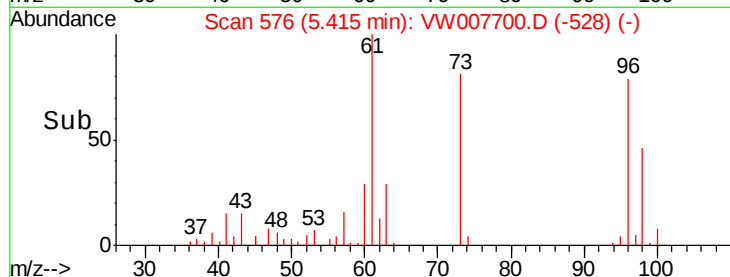


Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



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#22

Diisopropyl ether

Concen: 21.103 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tgt Ion: 45 Resp: 36118

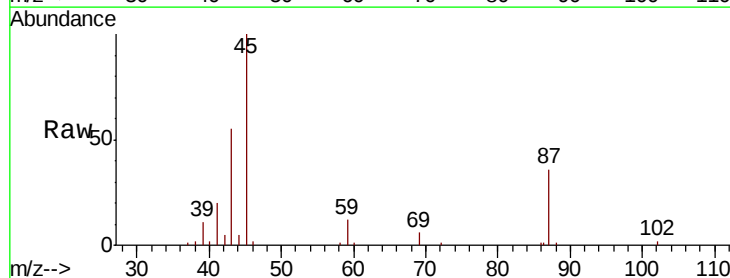
Ion Ratio Lower Upper

45 100

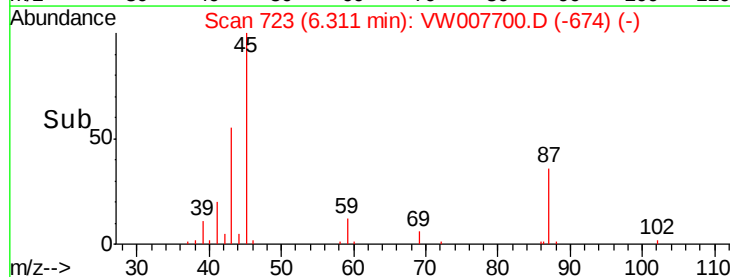
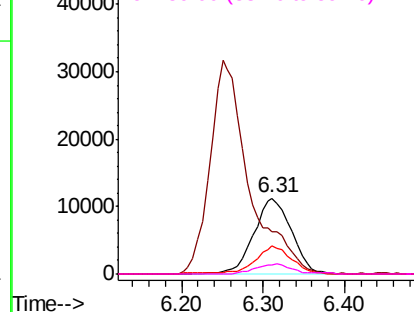
43 54.0 43.7 65.5

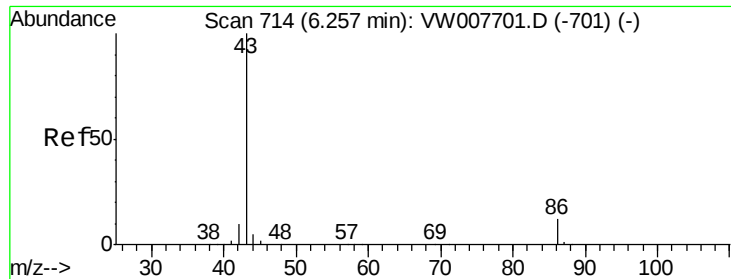
87 36.5 26.6 40.0

59 12.1 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 104.054 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 105807

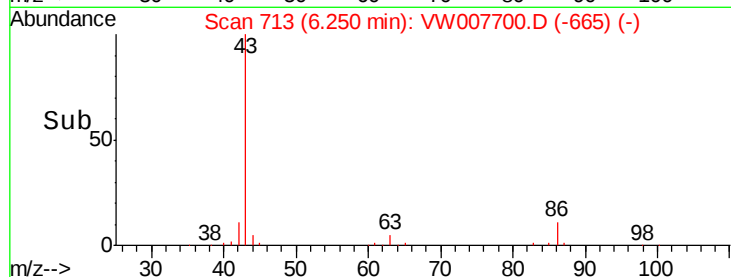
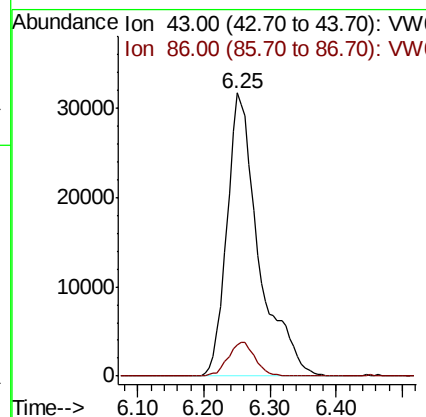
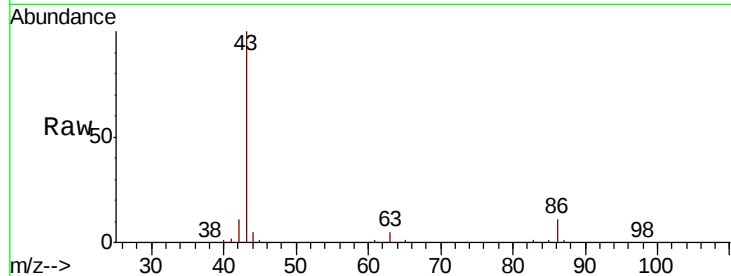
Ion Ratio Lower Upper

43 100

86 10.9 9.6 14.4

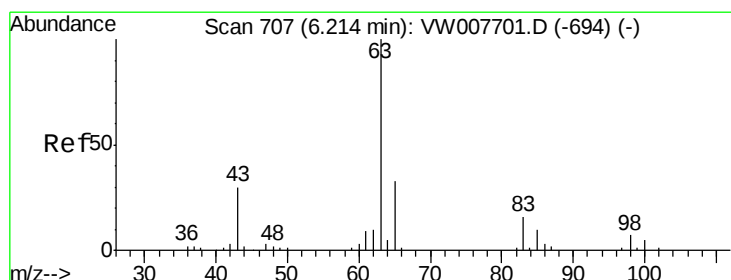
Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.885 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

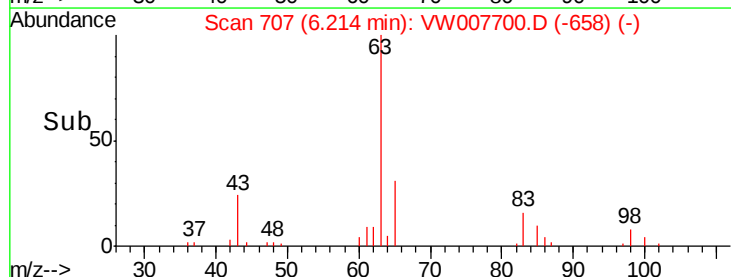
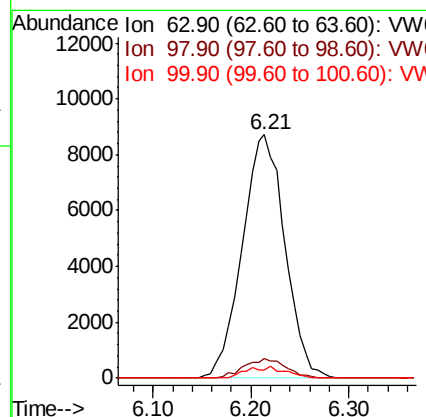
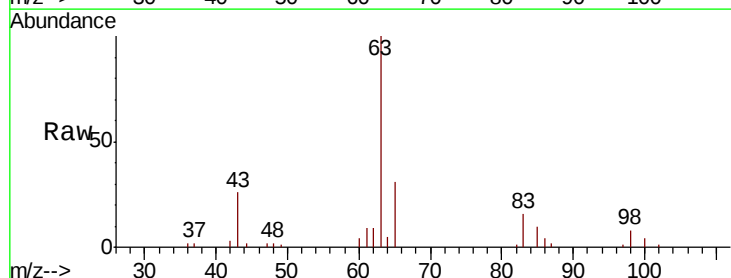
Tgt Ion: 63 Resp: 26296

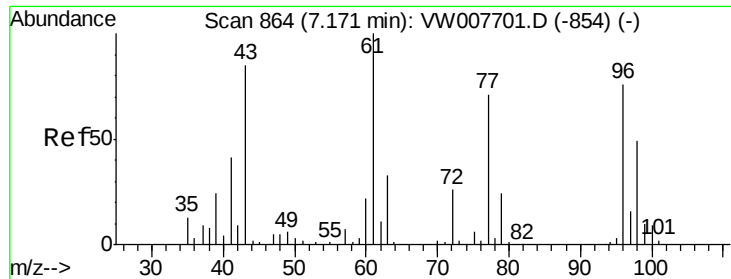
Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

100 3.5 2.5 7.5





#25

2-Butanone

Concen: 105.791 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tot Ion: 43 Resp: 17967

Ion Ratio Lower Upper

43 100

72 27.9 24.5 36.7

Instrument :

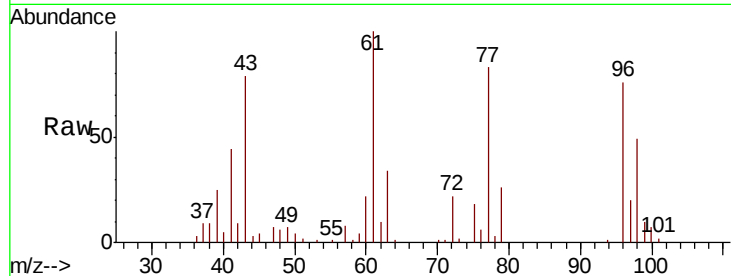
MSVOA_W

ClientSampled :

VSTDIC020

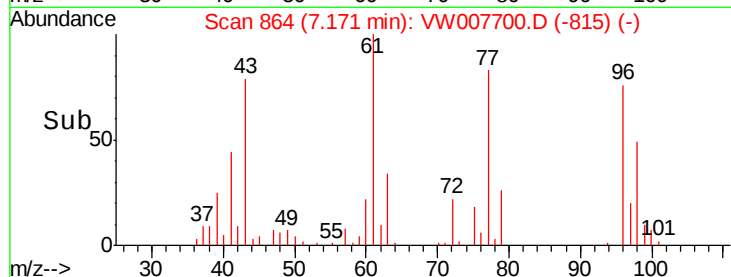
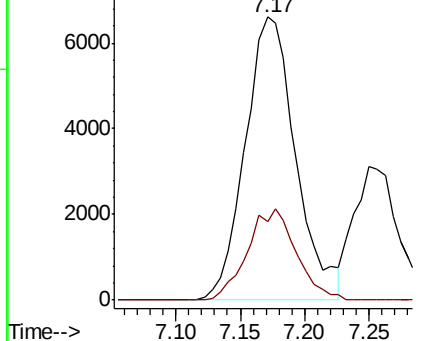
Manual Integrations

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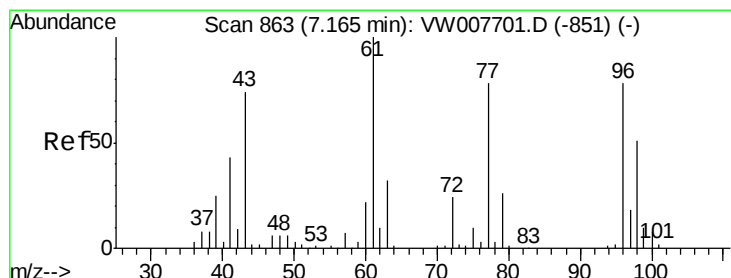
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



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#26

2,2-Dichloropropane

Concen: 21.489 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007700.D

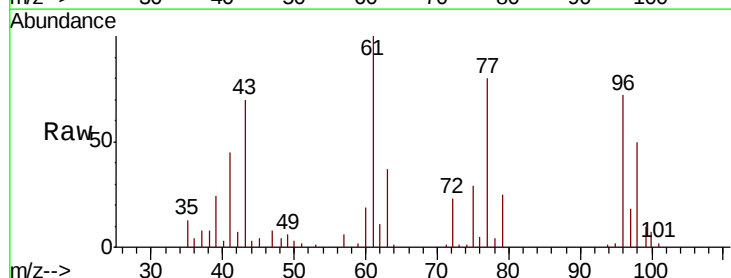
Acq: 19 Dec 2018 14:27

Tgt Ion: 77 Resp: 19799

Ion Ratio Lower Upper

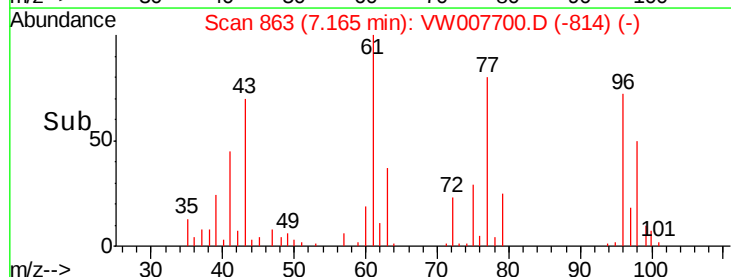
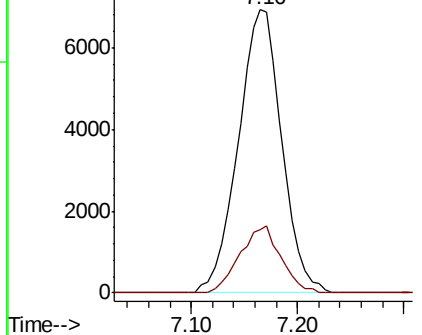
77 100

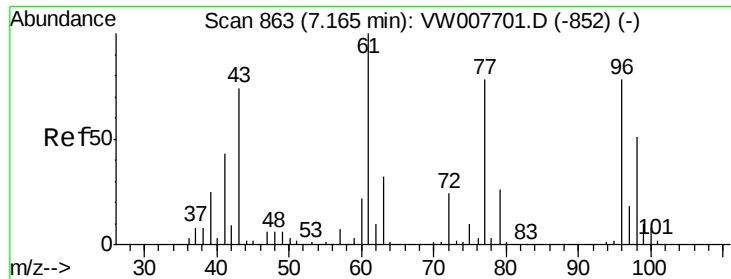
97 22.4 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





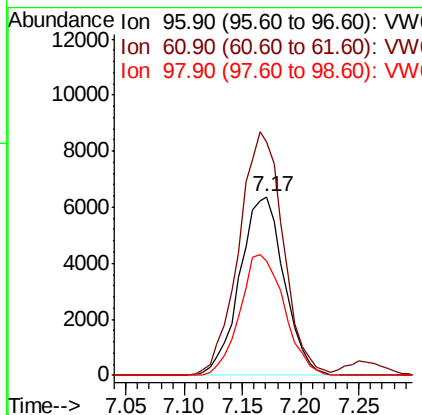
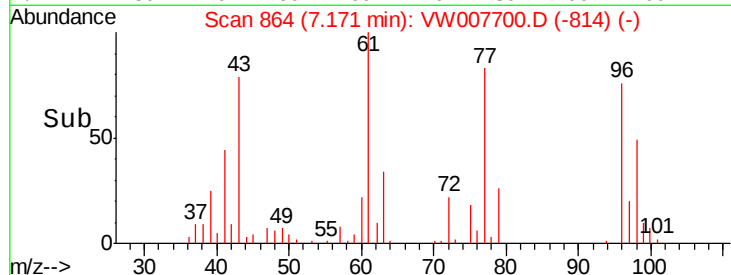
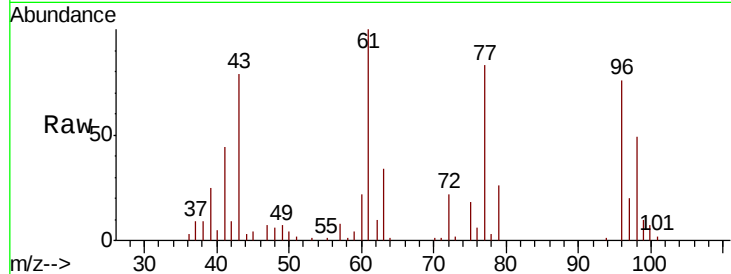
#27

cis-1,2-Dichloroethene
Concen: 20.687 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

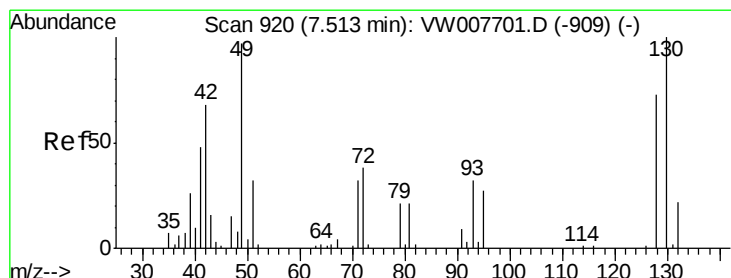
Tot Ion	Ratio	Resp	Lower	Upper
96	100	16895		
61	136.7		0.0	271.6
98	67.6		0.0	131.2

Manual Integrations
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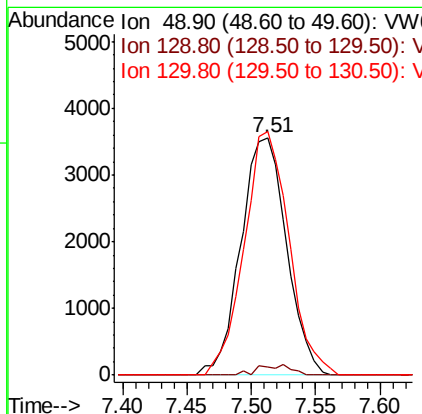
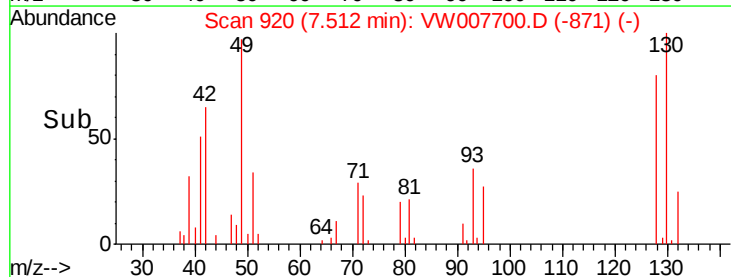
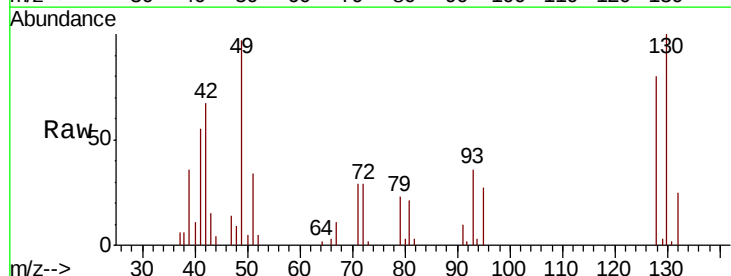
12/20/2018 11:19:36 AM

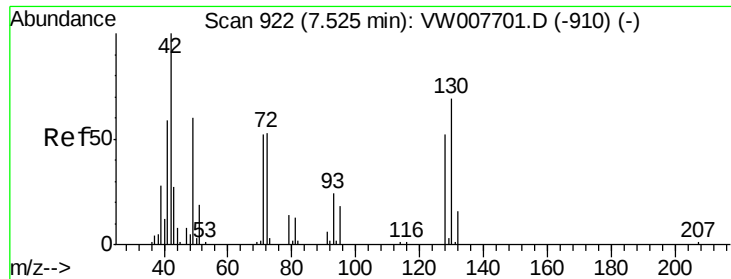


#28

Bromochloromethane
Concen: 20.373 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	8746		
129	1.8		0.0	2.2
130	100.7		81.5	122.3



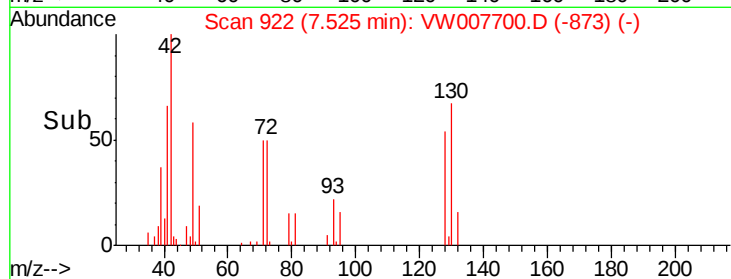
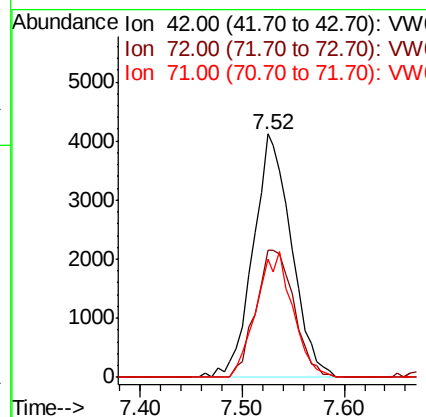
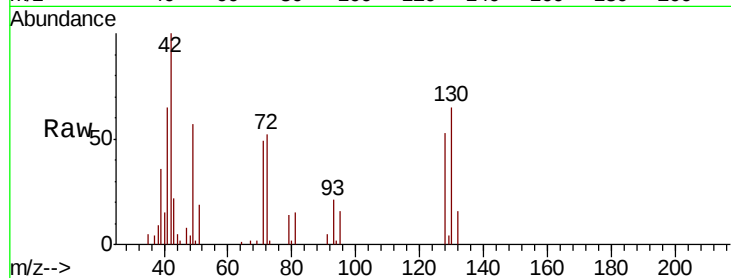


#29
Tetrahydrofuran
Concen: 105.781 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

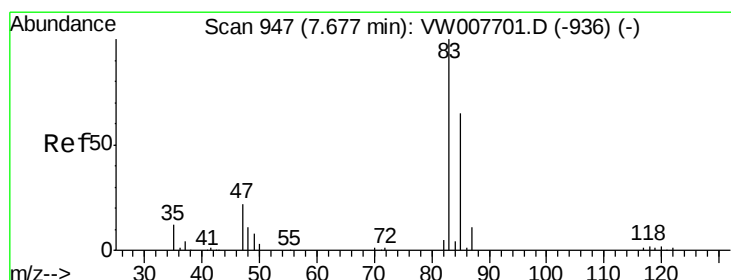
Tot Ion:	42	Resp:	10716
Ion	Ratio	Lower	Upper
42	100		
72	52.6	41.7	62.5
71	48.8	39.0	58.6

Manual Integrations
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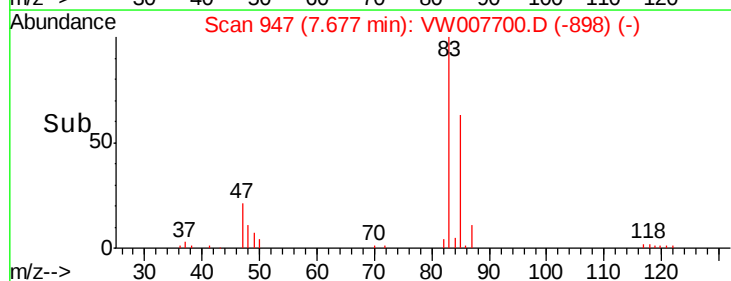
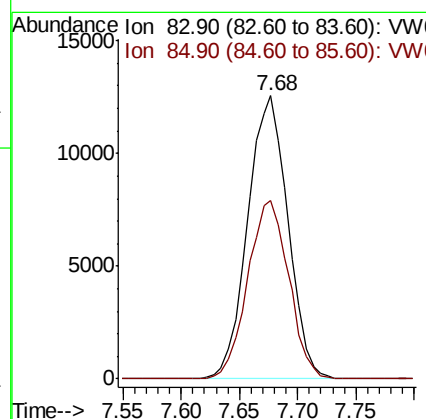
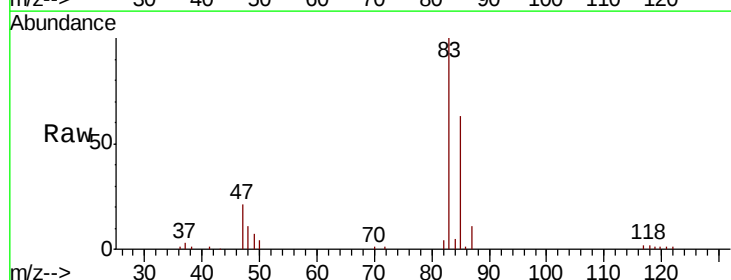
apatel

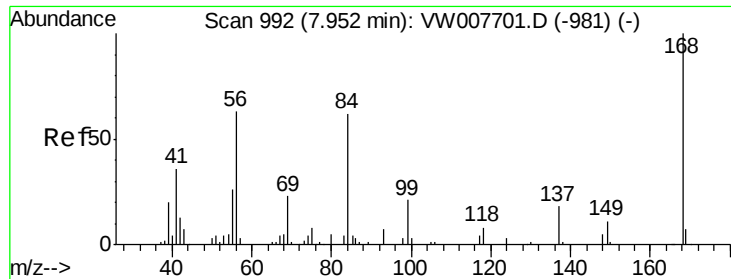
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#30
Chloroform
Concen: 21.179 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion:	83	Resp:	30178
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.2



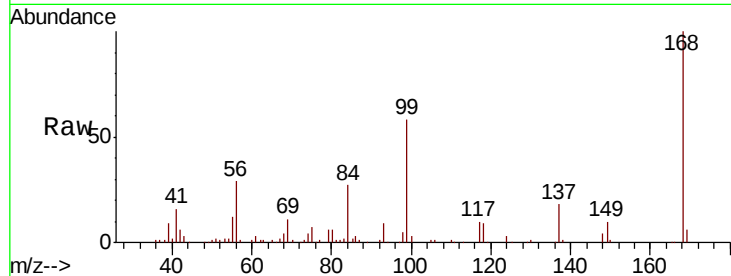


#31
Cyclohexane
Concen: 20.450 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	29.7	44.5
84	93.8	78.9	118.3

Manual Integrations
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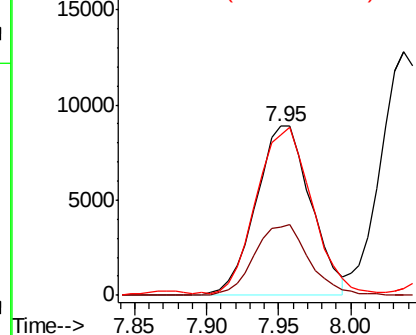


Abundance

Ion 56.00 (55.70 to 56.70): VW

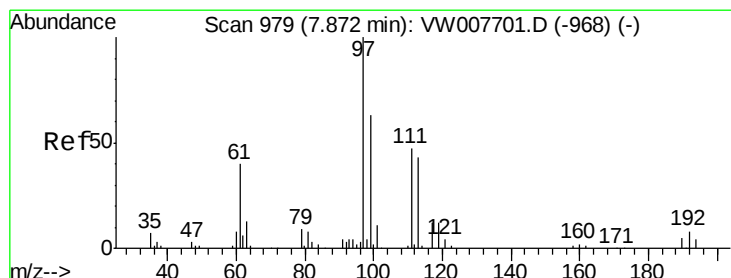
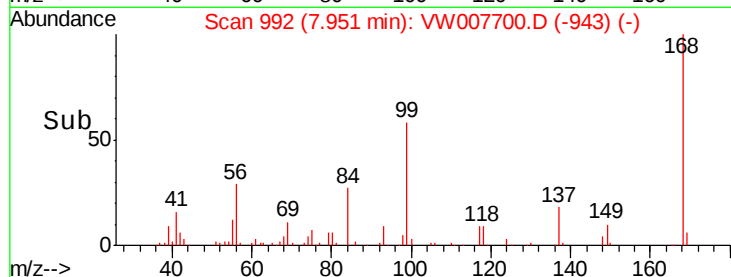
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



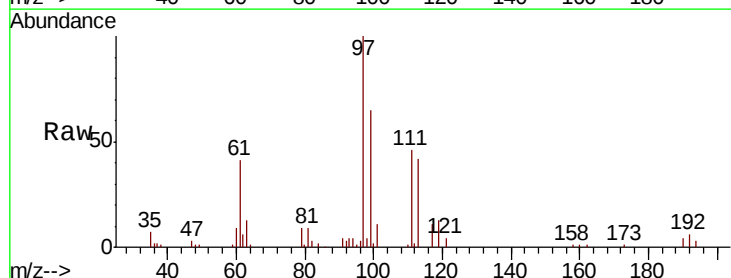
apatel

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#32
1,1,1-Trichloroethane
Concen: 20.767 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.6	76.0
61	41.6	32.3	48.5

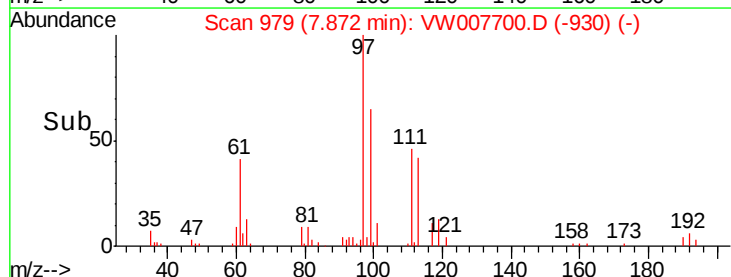
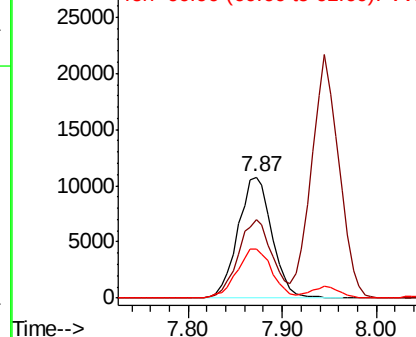


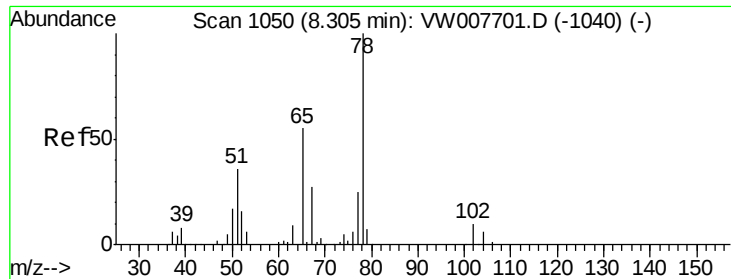
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 20.435 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tot Ion: 65 Resp: 15823

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.6

Instrument :

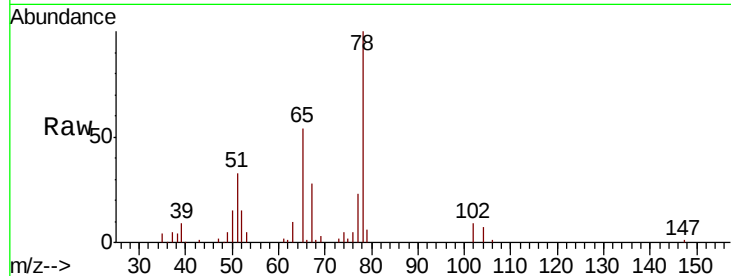
MSVOA_W

ClientSampleId :

VSTDIC020

Manual Integrations

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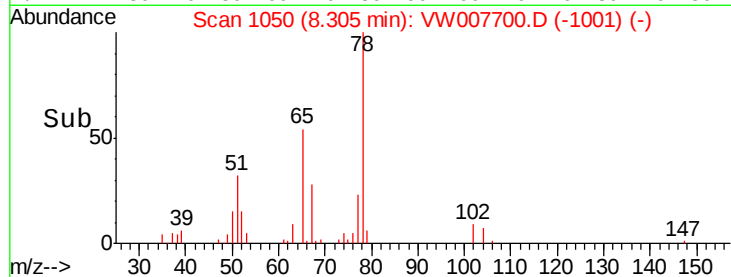


Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

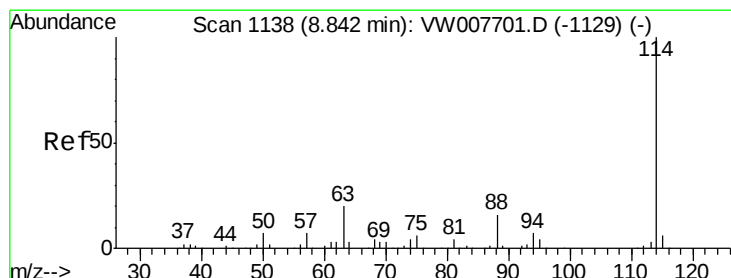
8.35



Time-->

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

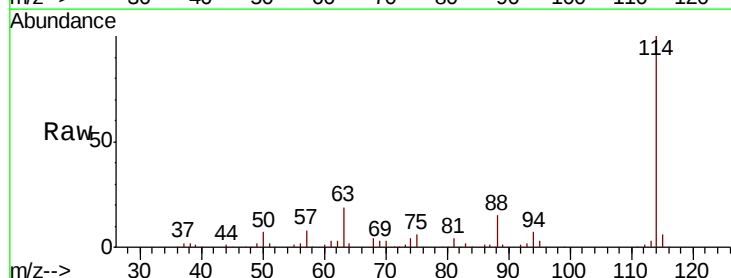
Tgt Ion: 114 Resp: 114083

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 15.5 0.0 32.6



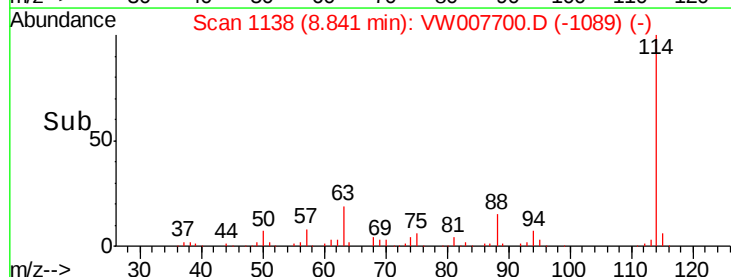
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

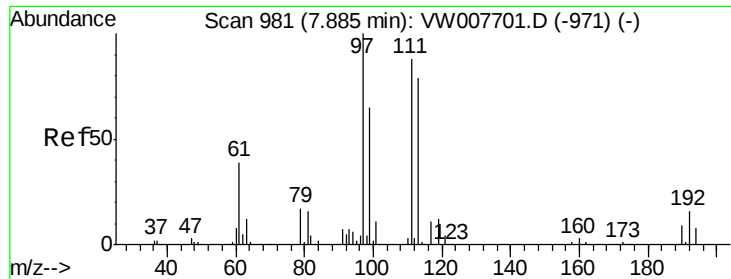
Ion 87.90 (87.60 to 88.60): VW

8.84

8.90



Time-->

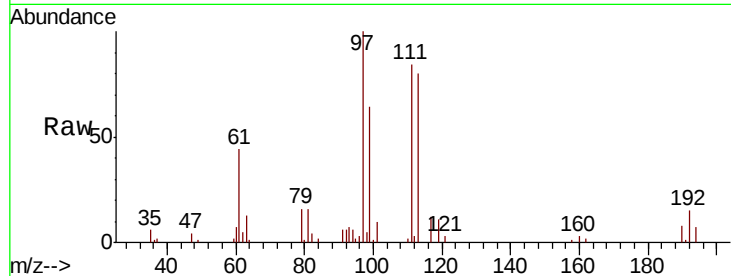


#35
Dibromofluoromethane
Concen: 20.149 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.9	82.6	124.0
192	18.6	15.5	23.3

Manual Integrations
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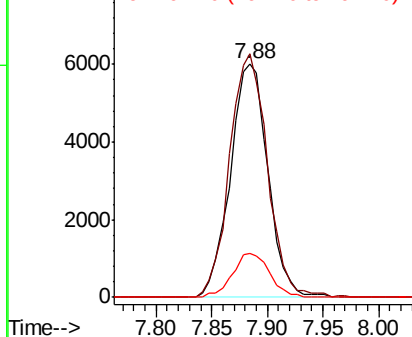


Abundance

Ion 112.80 (112.50 to 113.50): V

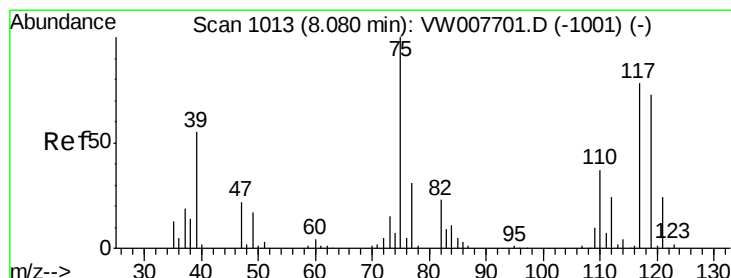
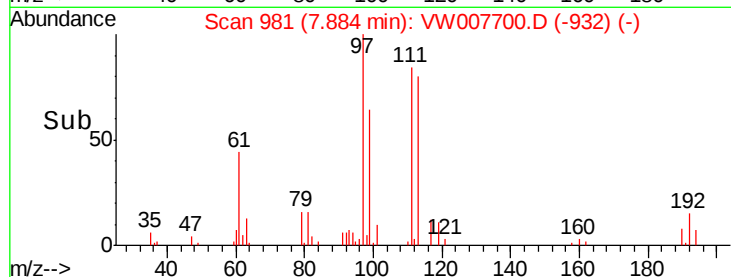
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



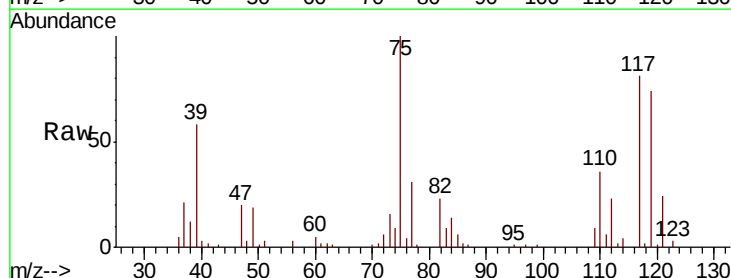
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#36
1,1-Dichloropropene
Concen: 20.551 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.6	55.8
77	31.2	25.0	37.4

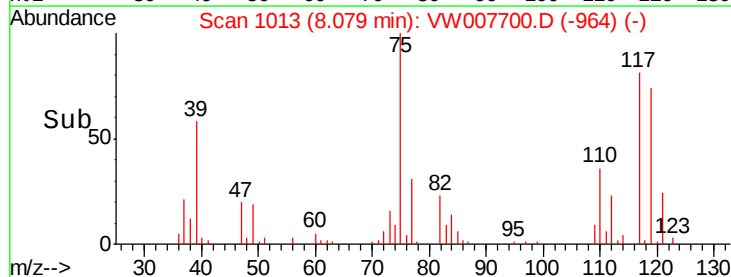
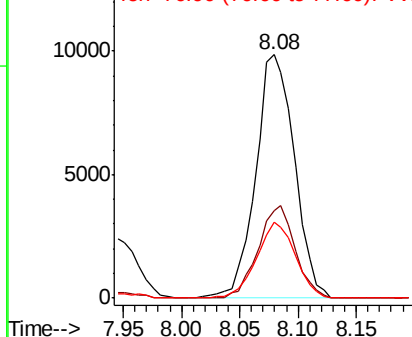


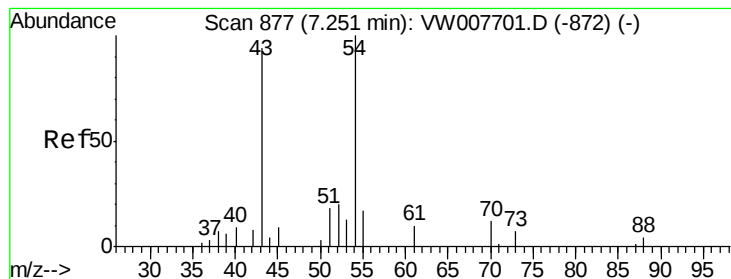
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.242 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 7692

Ion Ratio Lower Upper

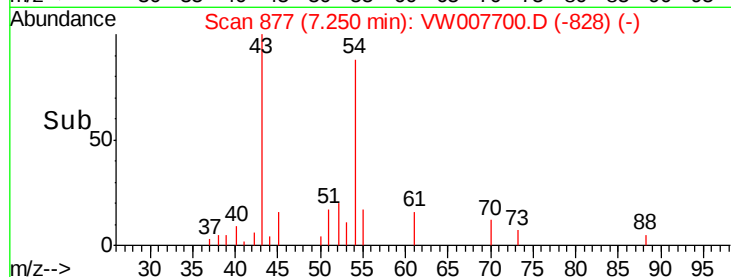
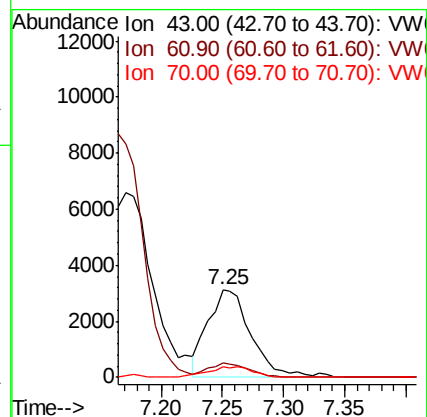
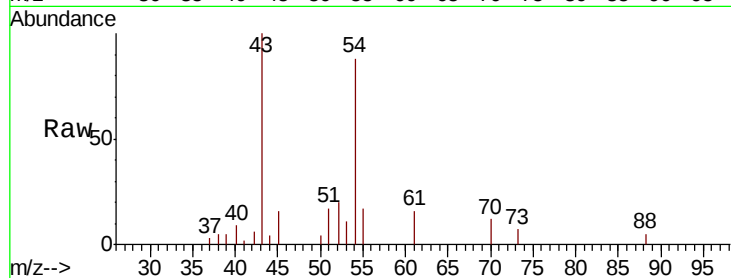
43 100

61 15.0 11.2 16.8

70 12.3 9.3 13.9

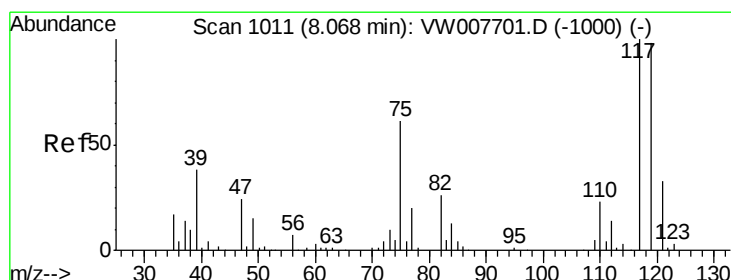
Manual Integrations

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#38

Carbon Tetrachloride

Concen: 20.458 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

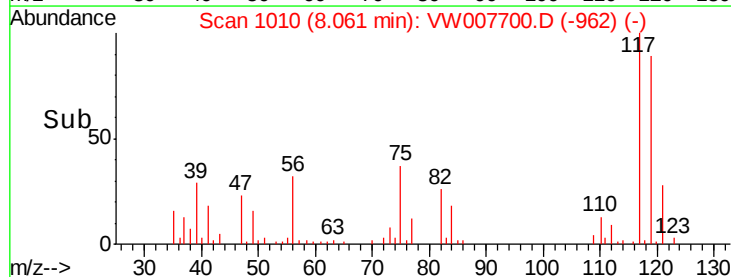
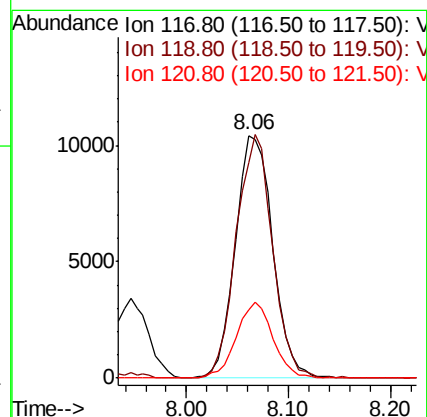
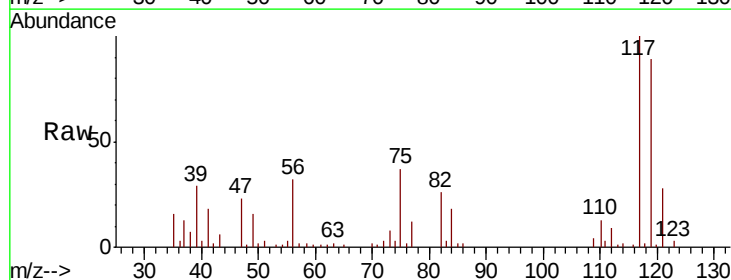
Tgt Ion: 117 Resp: 26529

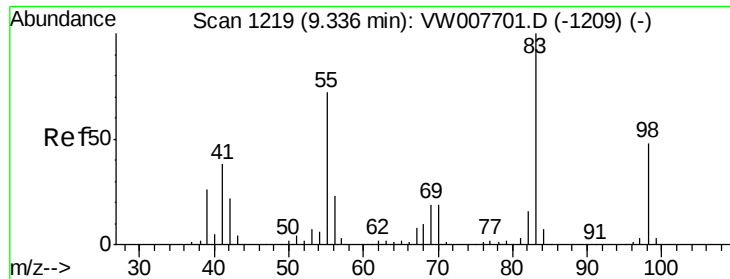
Ion Ratio Lower Upper

117 100

119 88.9 78.2 117.2

121 28.0 26.1 39.1



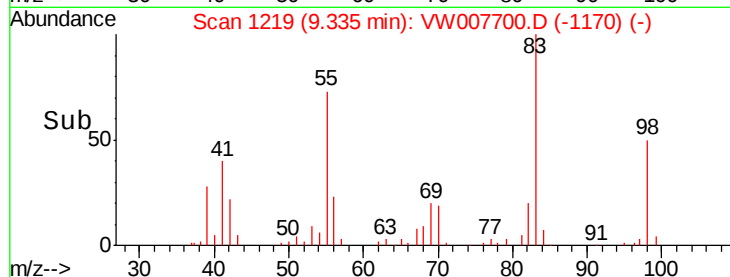
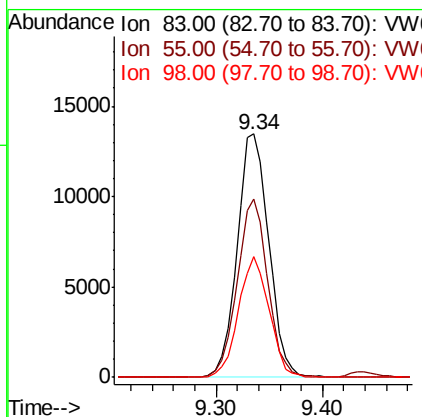
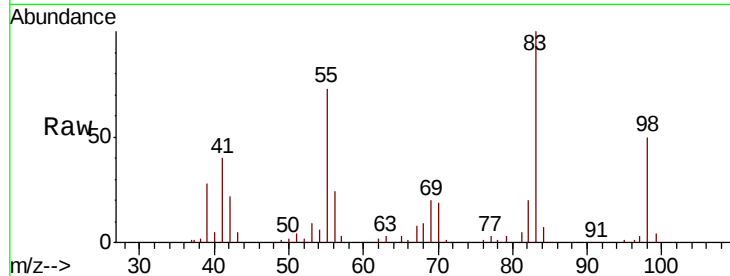


#39
Methvlcvclohexane
Concen: 20.567 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

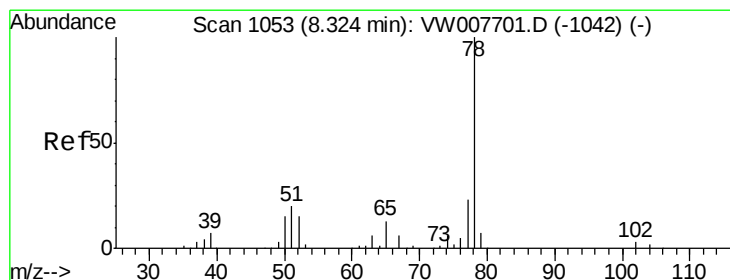
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	57.2	85.8
98	49.6	38.6	58.0

Manual Integrations
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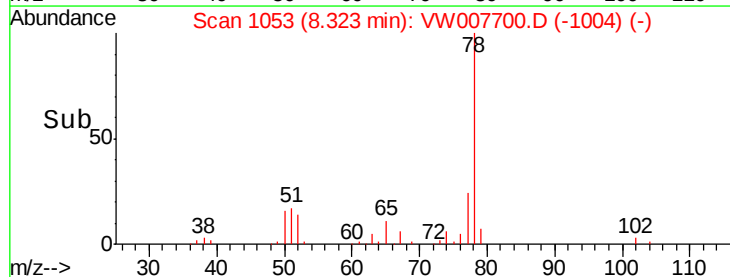
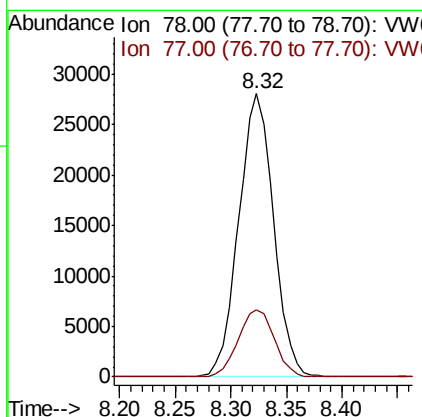
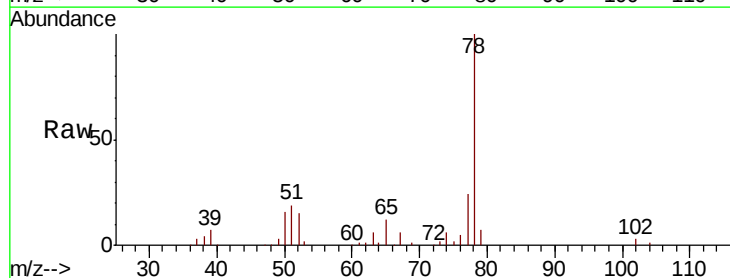
apatel

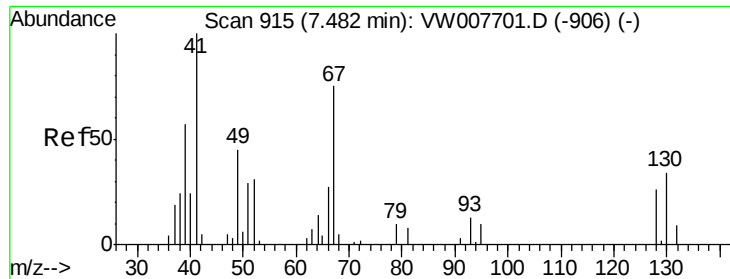
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#40
Benzene
Concen: 20.713 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1



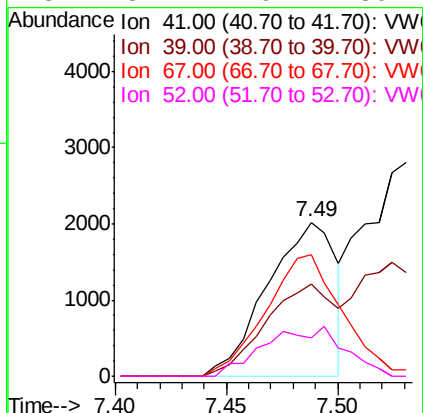
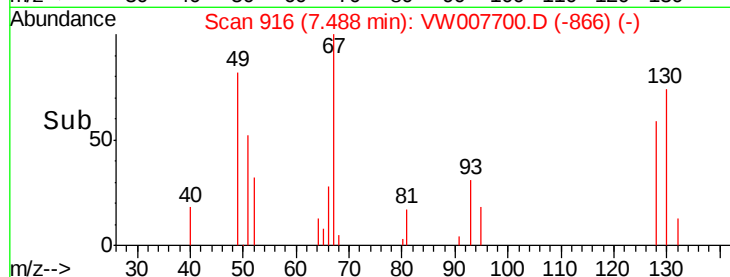
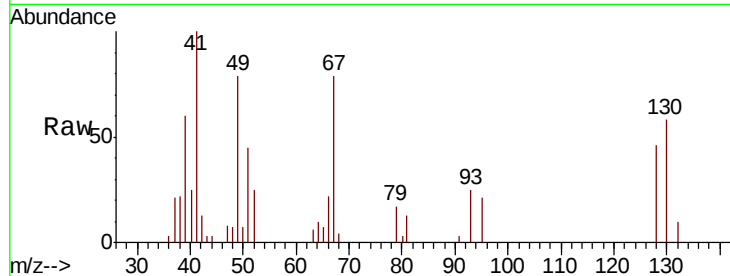


#41
Methacrylonitrile
Concen: 19.986 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

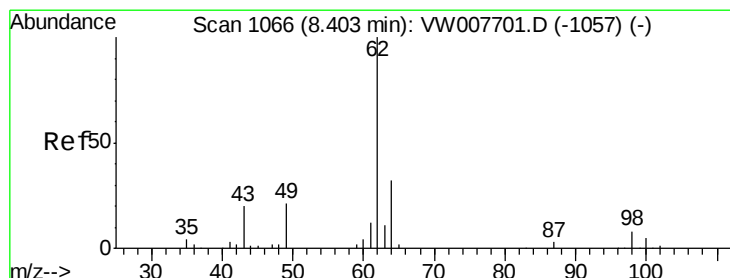
Tot Ion:	41	Resp:	4312
Ion	Ratio	Lower	Upper
41	100		
39	60.5	54.2	81.4
67	88.1	65.7	98.5
52	37.4	26.2	39.4

Manual Integrations
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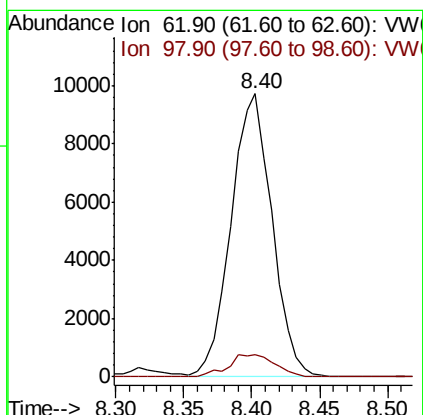
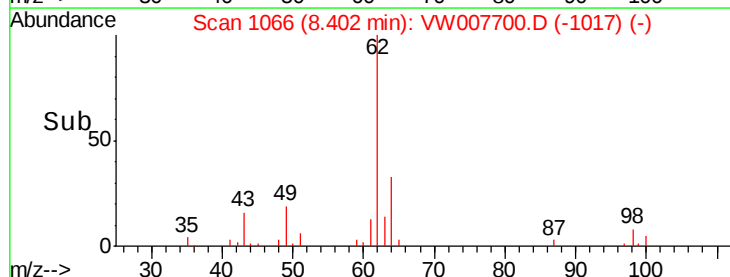
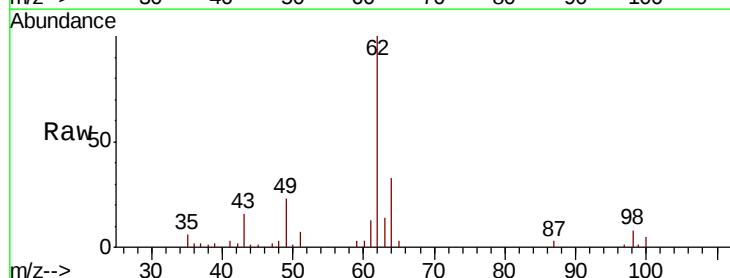
apatel

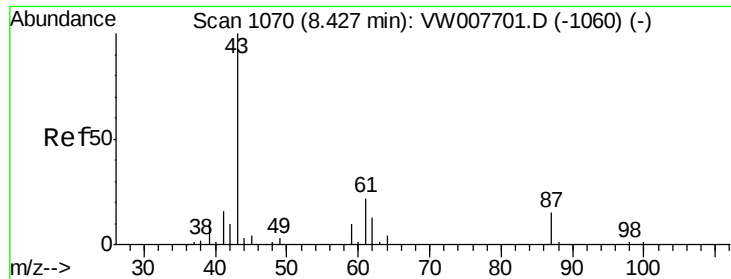
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#42
1,2-Dichloroethane
Concen: 20.755 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion:	62	Resp:	20437
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.329 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

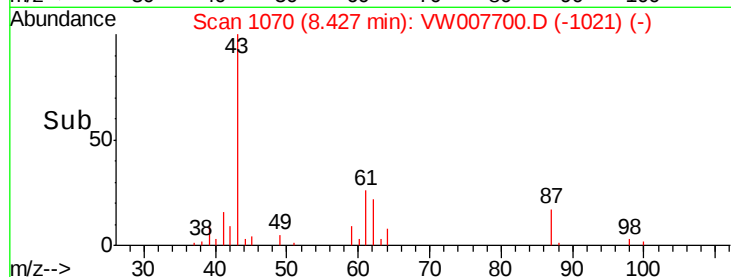
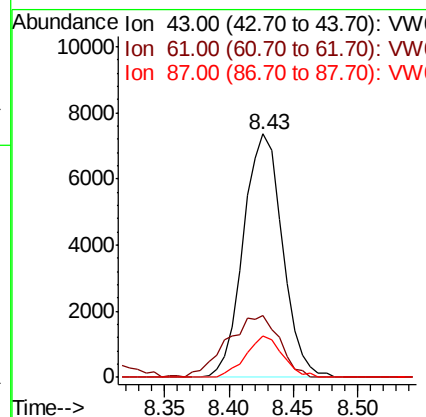
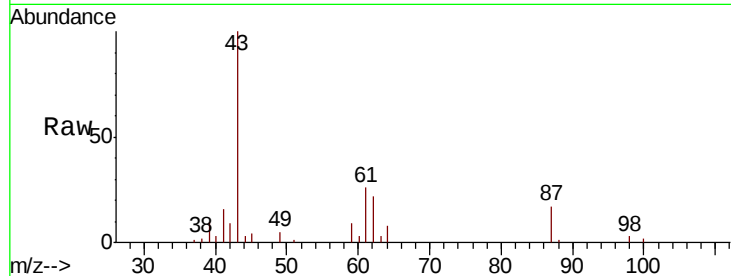
MSVOA_W

ClientSampleId :

VSTDIC020

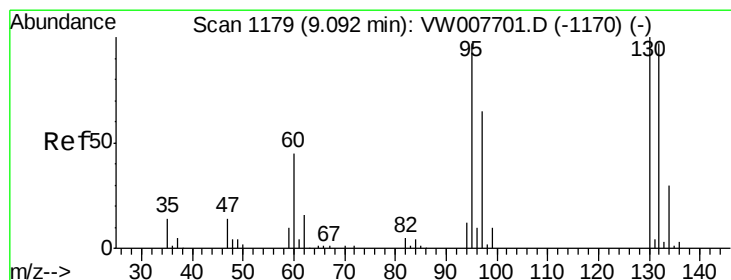
Tot Ion:	43	Resp:	15477
Ion	Ratio	Lower	Upper
43	100		
61	34.0	26.3	39.5
87	15.9	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.580 ug/l

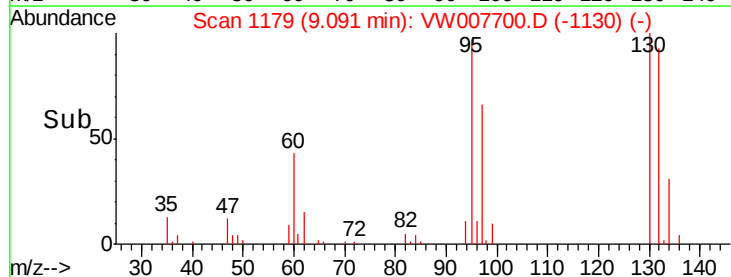
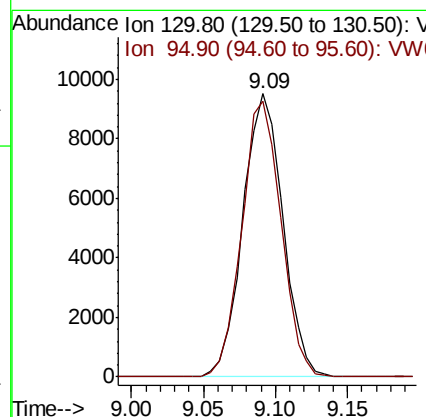
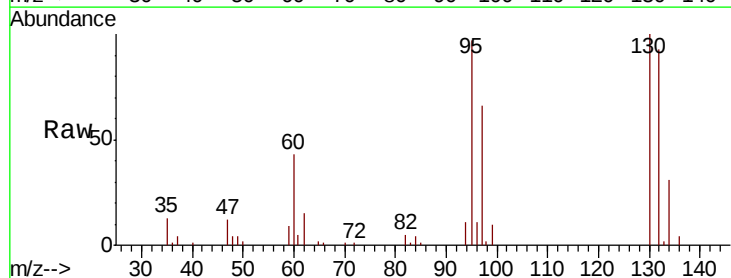
RT: 9.09 min Scan# 1179

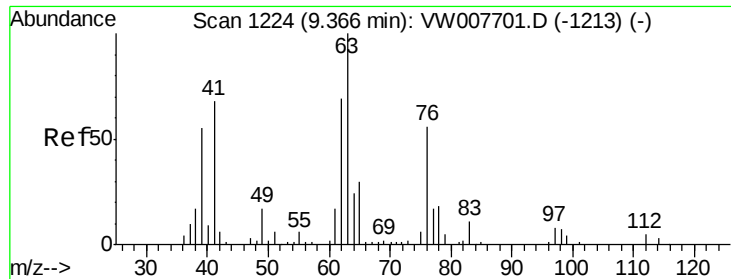
Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tgt Ion:	130	Resp:	18287
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	194.8





#45

1,2-Dichloropropane

Concen: 20.561 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 13405

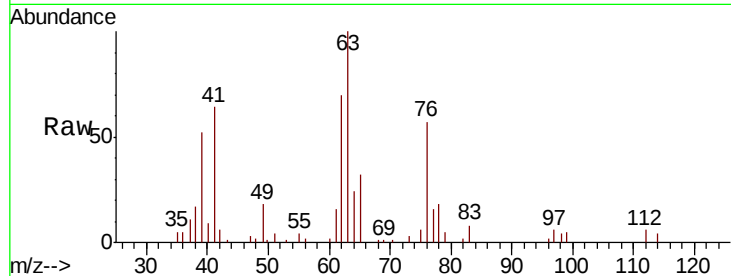
Ion Ratio Lower Upper

63 100

65 32.3 23.8 35.8

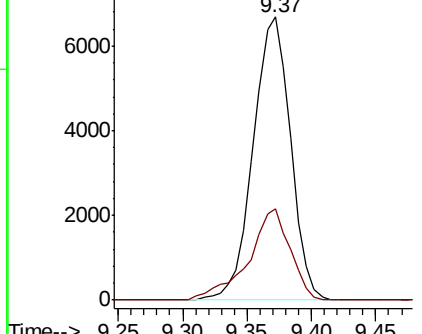
Manual Integrations

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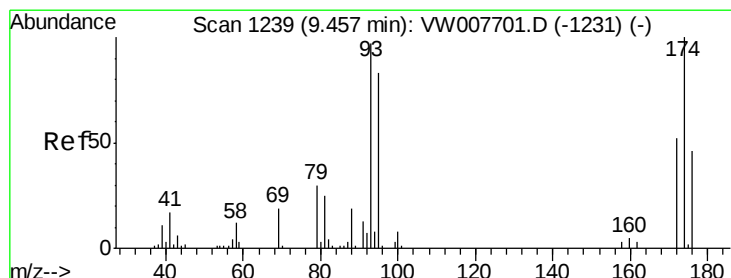
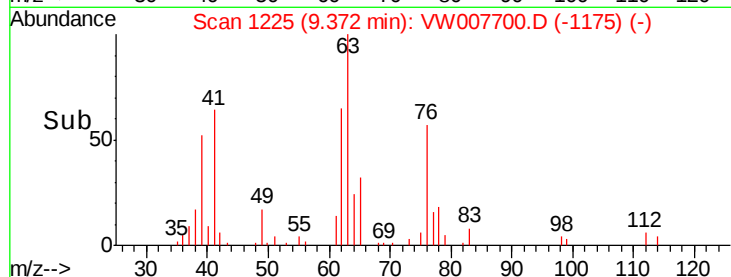
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



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#46

Dibromomethane

Concen: 20.825 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

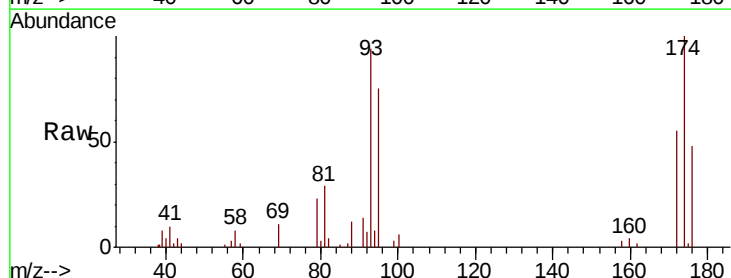
Tgt Ion: 93 Resp: 8358

Ion Ratio Lower Upper

93 100

95 82.1 67.5 101.3

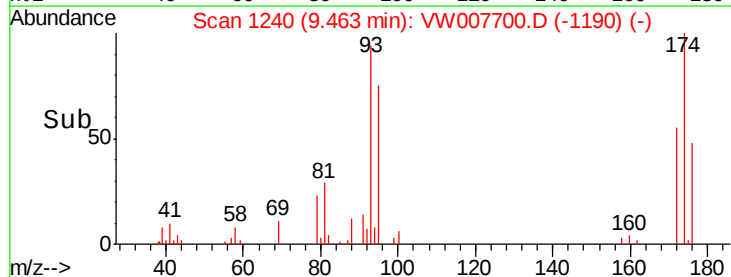
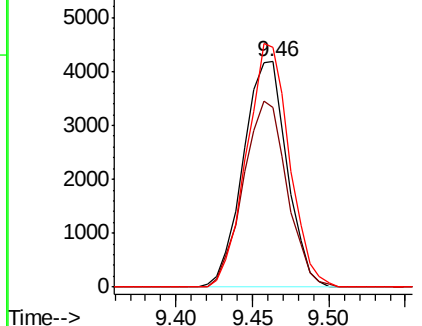
174 104.8 83.9 125.9

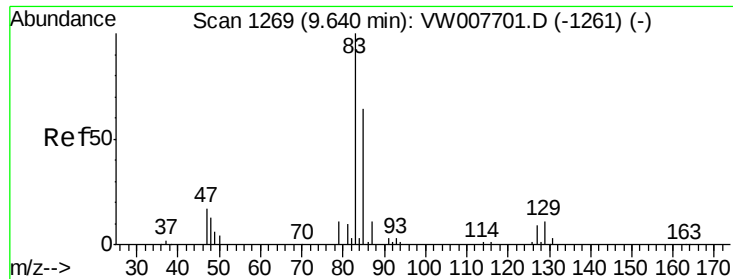


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



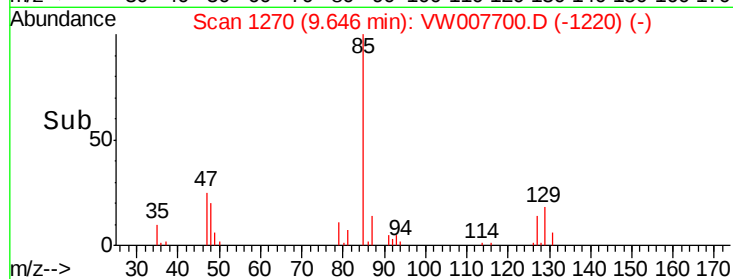
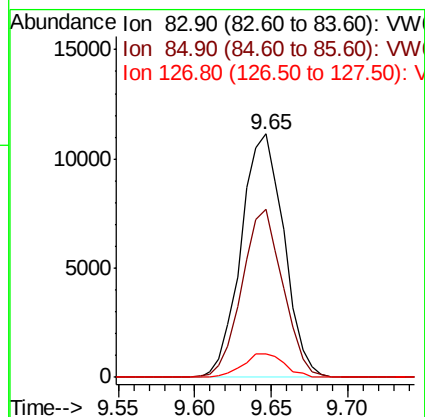
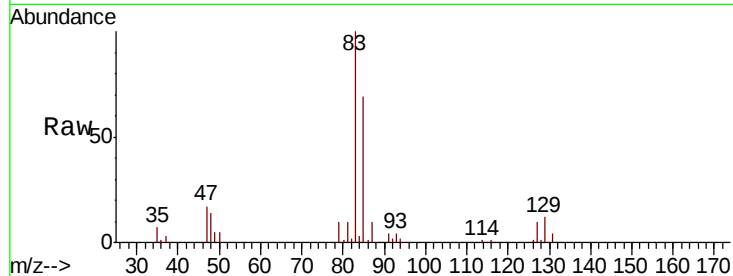


#47
Bromodichloromethane
Concen: 20.539 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

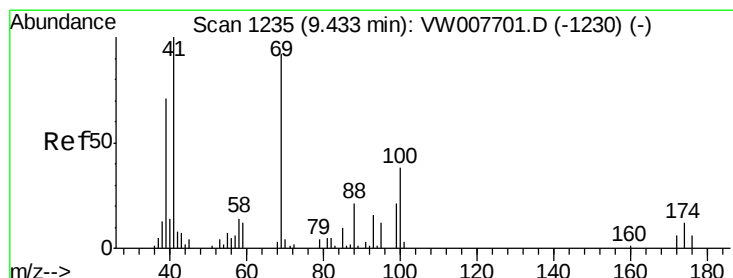
Tot Ion	Ratio	Lower	Upper
83	100		
85	68.9	51.4	77.0
127	9.7	7.5	11.3

Manual Integrations
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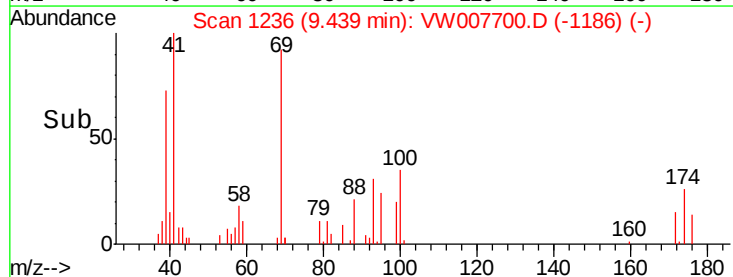
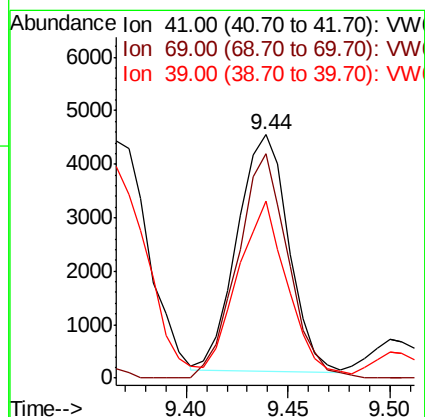
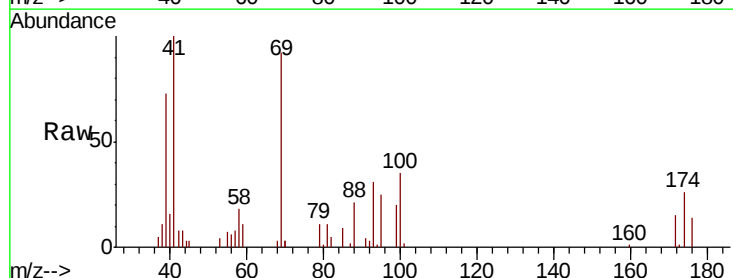
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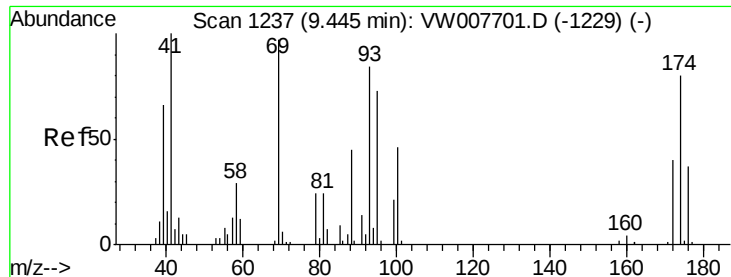
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#48
Methyl methacrylate
Concen: 20.517 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.7	74.2	111.2
39	73.3	53.9	80.9



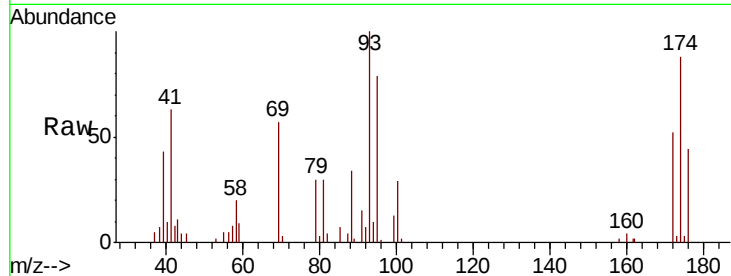


#49
1,4-Dioxane
Concen: 411.281 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	25.6	38.4
58	64.8	52.3	78.5

Manual Integrations
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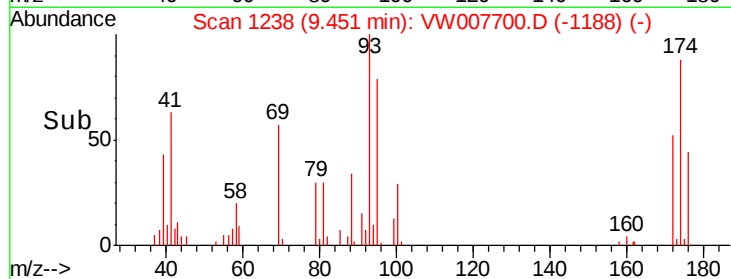
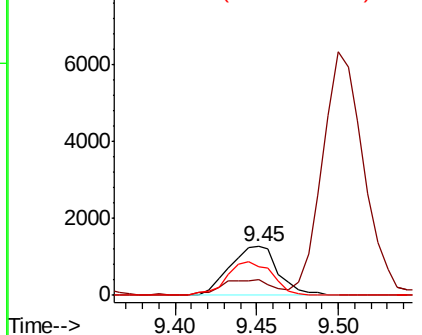


Abundance

Ion 88.00 (87.70 to 88.70): VW

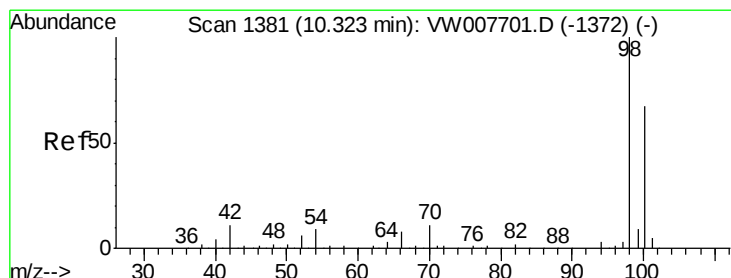
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



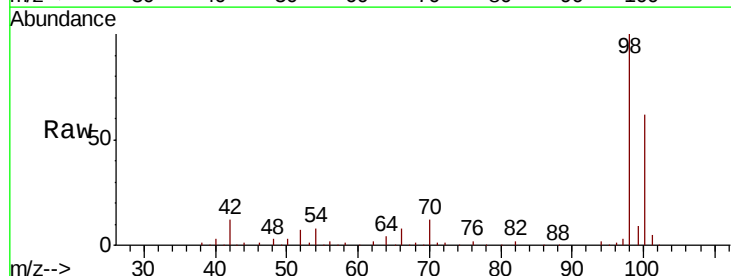
apatel

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#50
Toluene-d8
Concen: 20.119 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

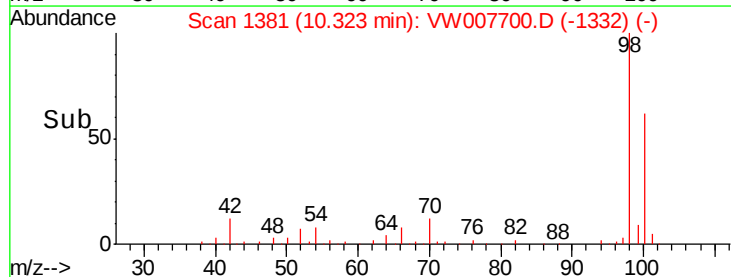
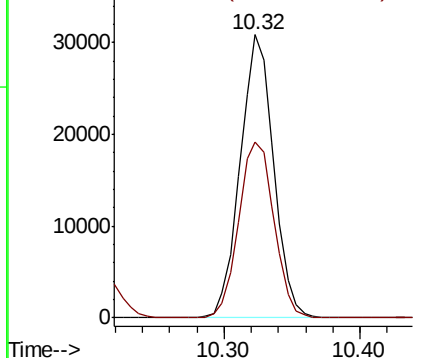
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.2

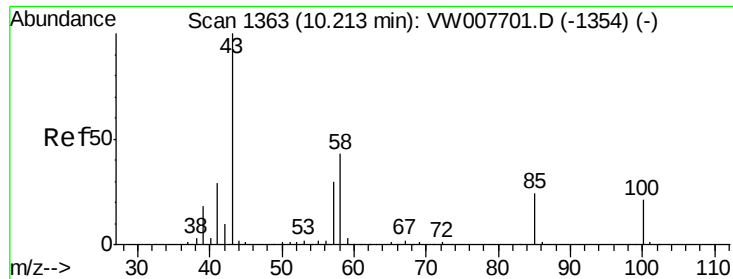


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 103.507 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

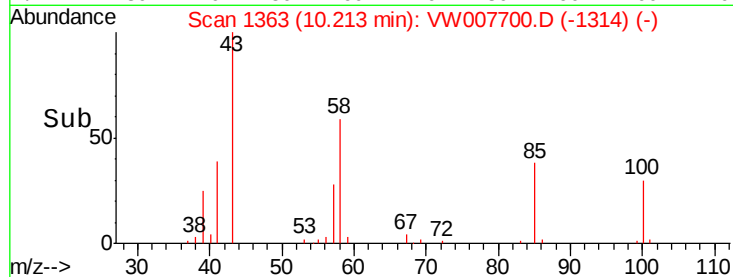
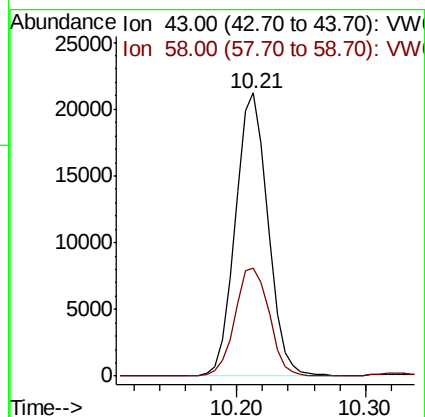
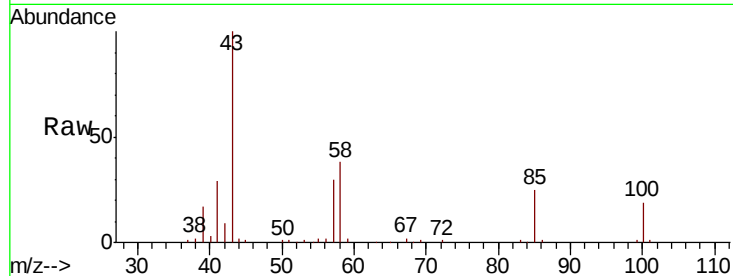
Tot Ion: 43 Resp: 37242

Ion Ratio Lower Upper

43 100

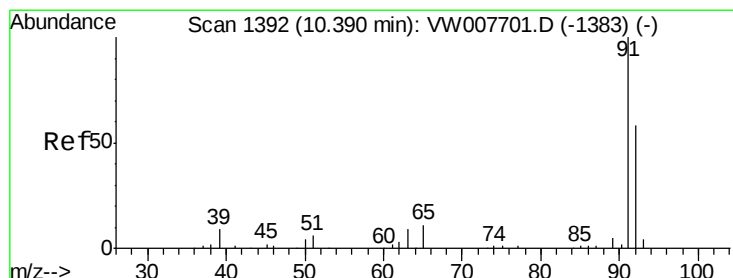
58 39.9 33.2 49.8

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#52

Toluene

Concen: 20.300 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007700.D

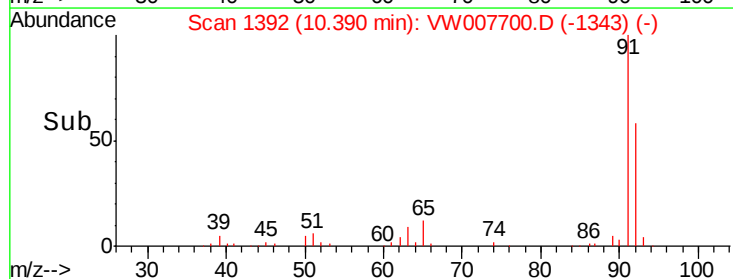
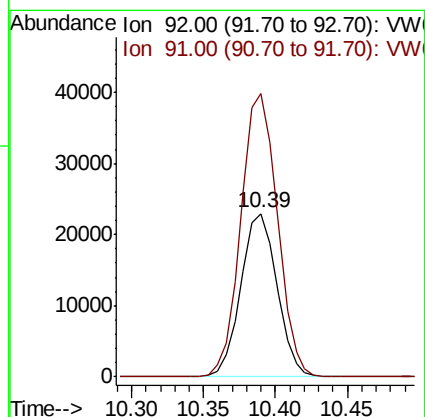
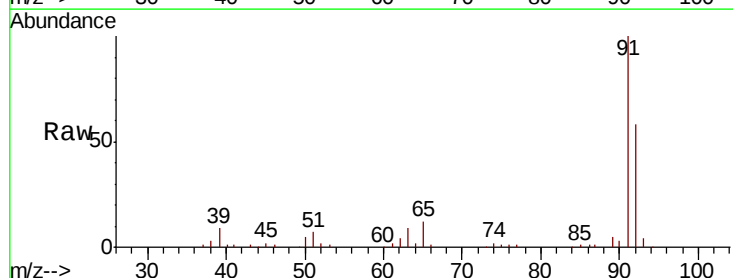
Acq: 19 Dec 2018 14:27

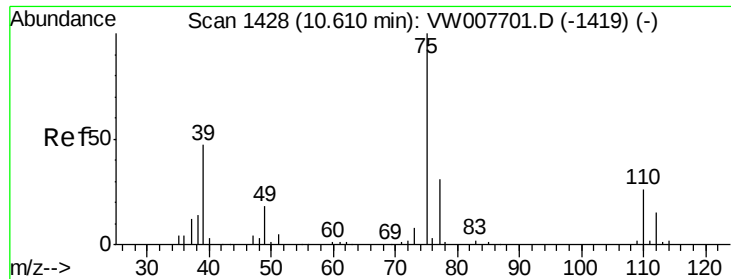
Tgt Ion: 92 Resp: 40020

Ion Ratio Lower Upper

92 100

91 175.3 137.0 205.4



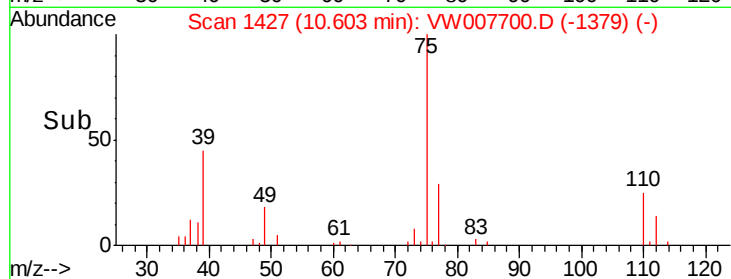
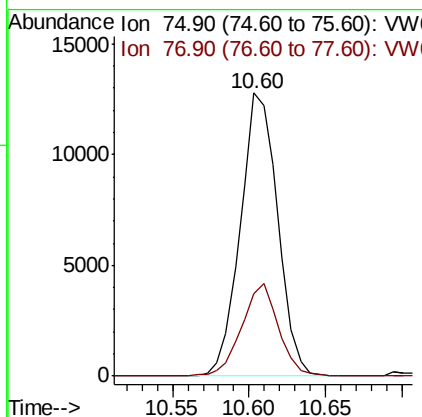
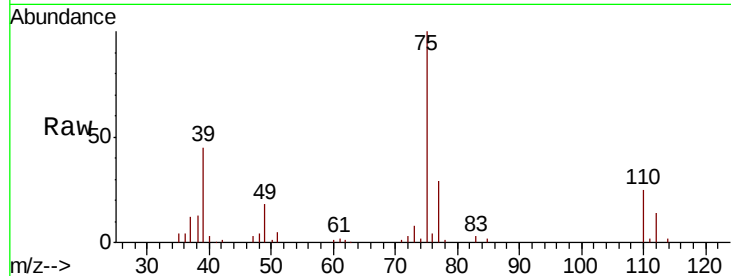


#53
 t-1,3-Dichloropropene
 Concen: 20.580 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

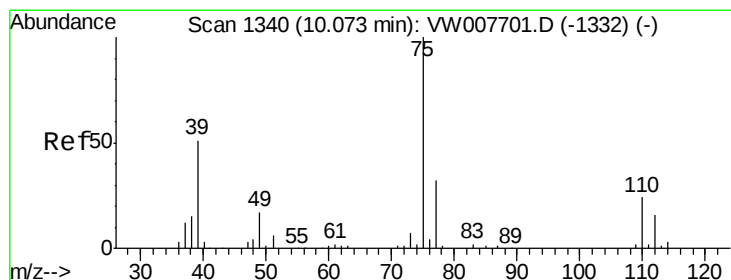
Tot Ion	75	Resp	21598
Ion Ratio	Lower	Upper	
75	100		
77	29.1	25.2	37.8

Manual Integrations
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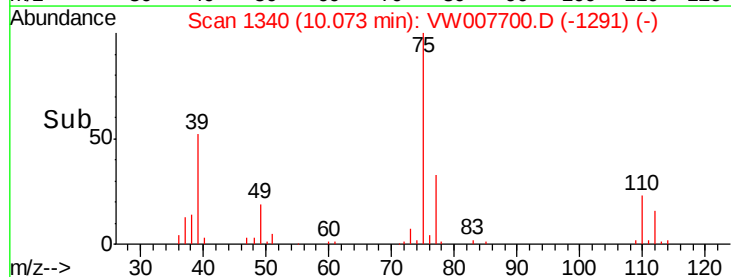
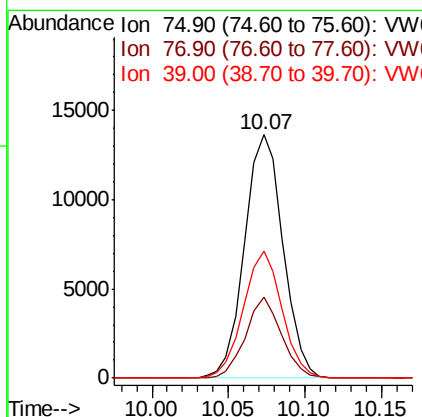
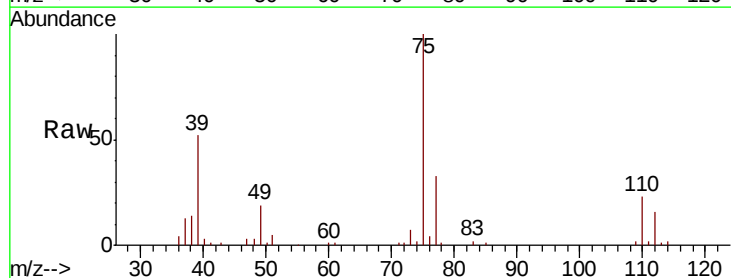
apatel

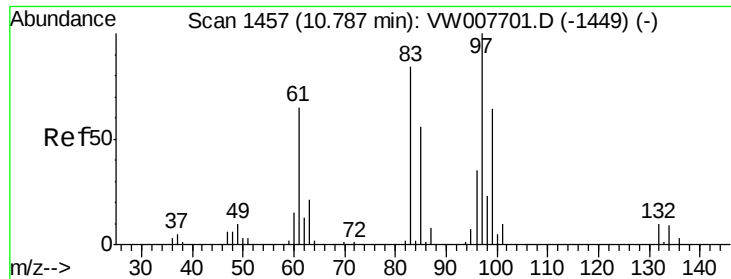
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#54
 cis-1,3-Dichloropropene
 Concen: 20.606 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Tgt Ion	75	Resp	23886
Ion Ratio	Lower	Upper	
75	100		
77	33.1	25.5	38.3
39	52.5	41.2	61.8



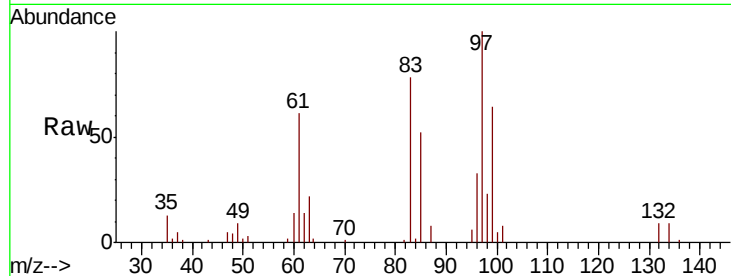


#55
 1,1,2-Trichloroethane
 Concen: 21.425 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	11854
Ion	Ratio	Lower	Upper
97	100		
83	78.4	67.5	101.3
85	51.9	44.8	67.2
99	64.3	51.0	76.4

Manual Integrations
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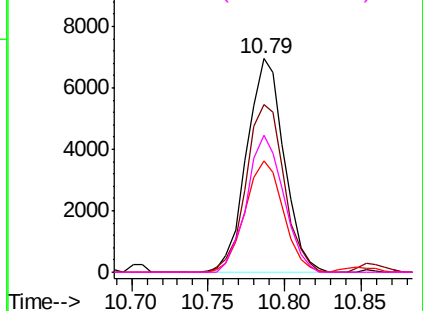
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

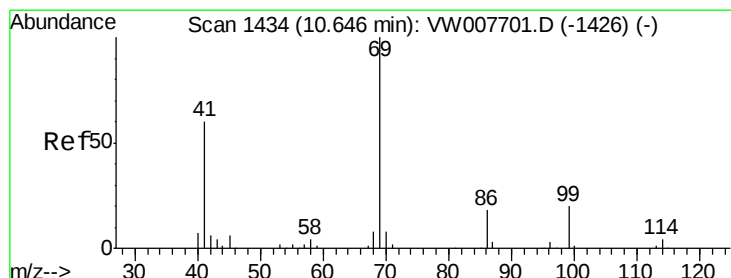
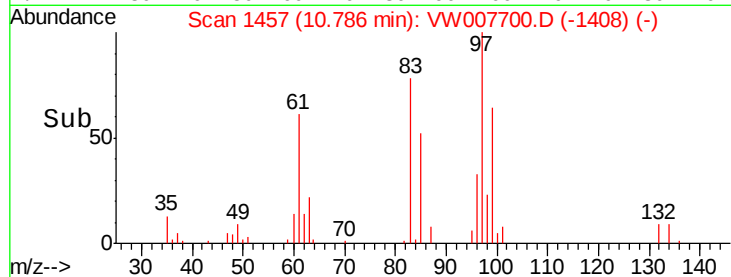
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



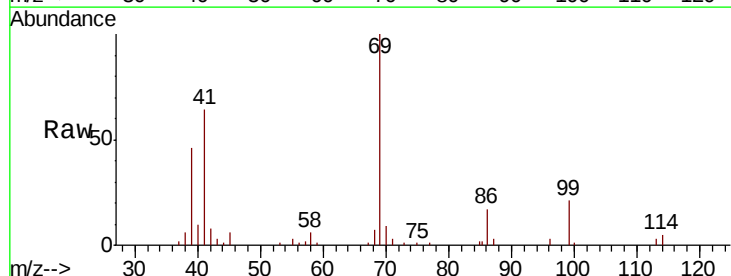
apatel

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#56
 Ethyl methacrylate
 Concen: 20.621 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Tgt Ion:	69	Resp:	13480
Ion	Ratio	Lower	Upper
69	100		
41	63.8	48.9	73.3
39	42.7	31.3	46.9

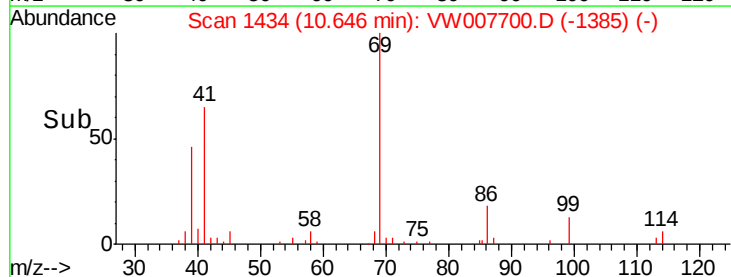
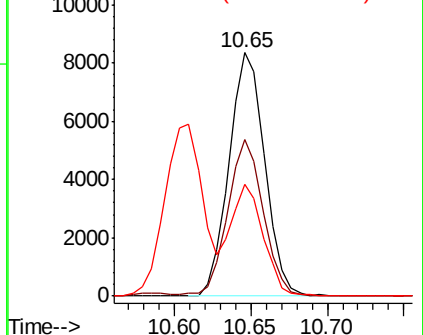


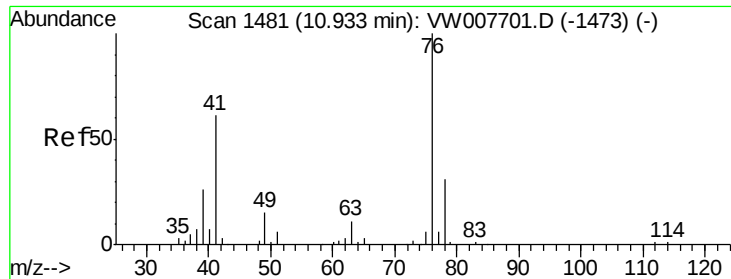
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



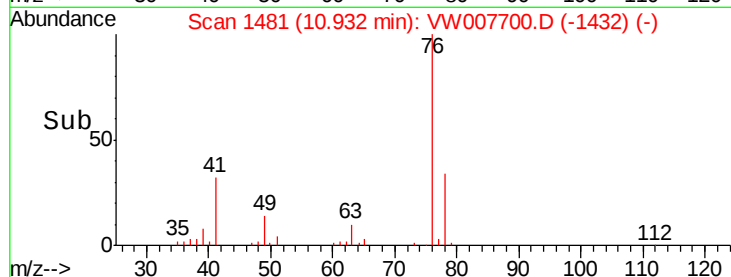
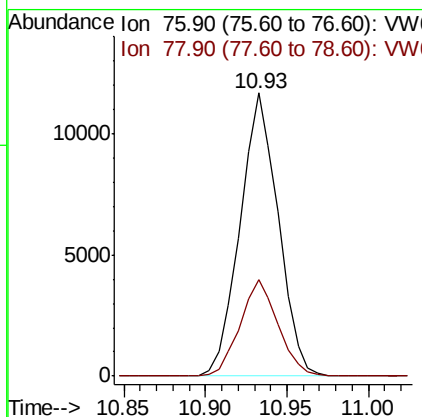
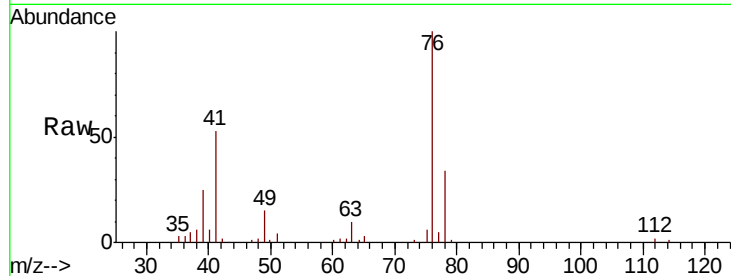


#57
 1,3-Dichloropropane
 Concen: 20.730 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

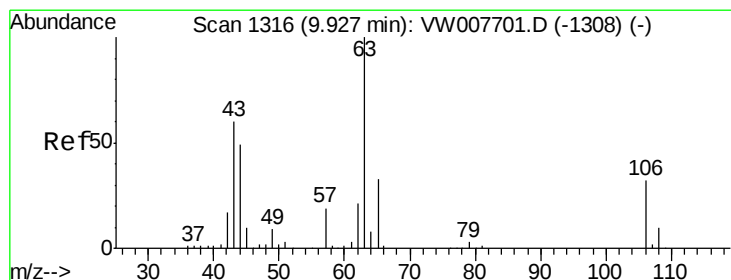
Tot Ion	Ratio	Lower	Upper
76	100		
78	33.8	26.2	39.2

Manual Integrations
 APPROVED



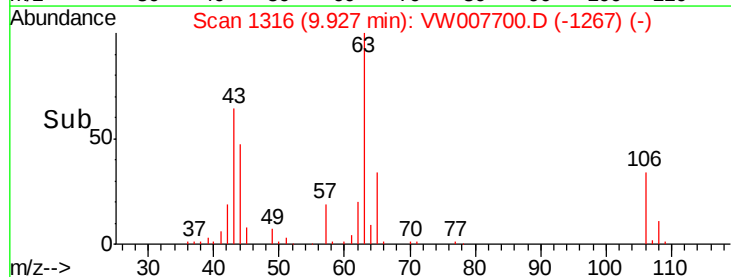
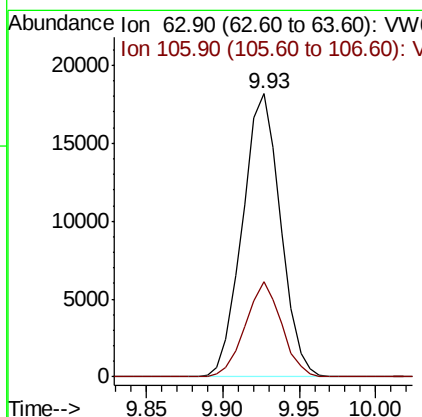
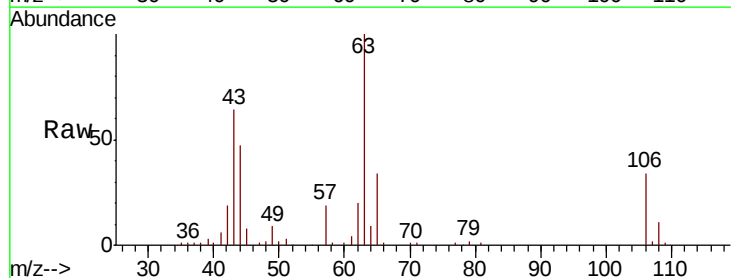
apatel

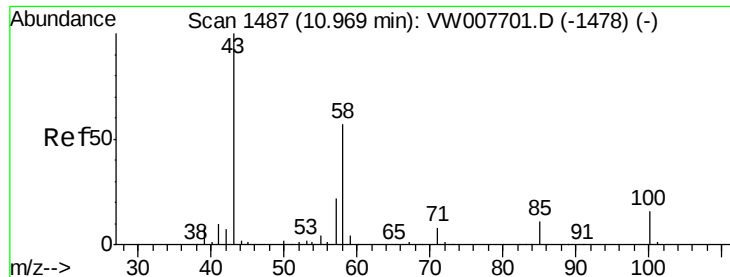
12/20/2018 11:19:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.339 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.9	25.9	38.9



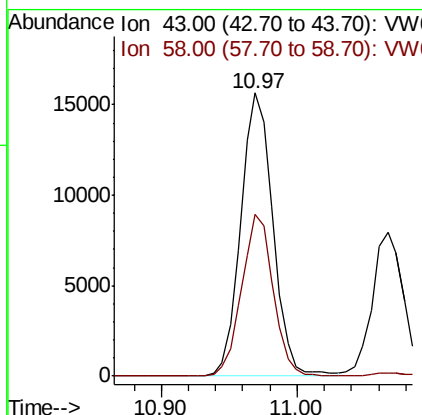
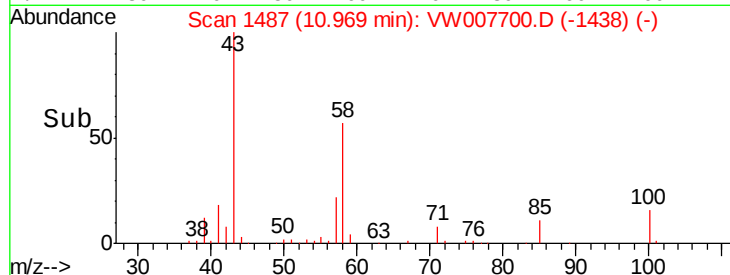
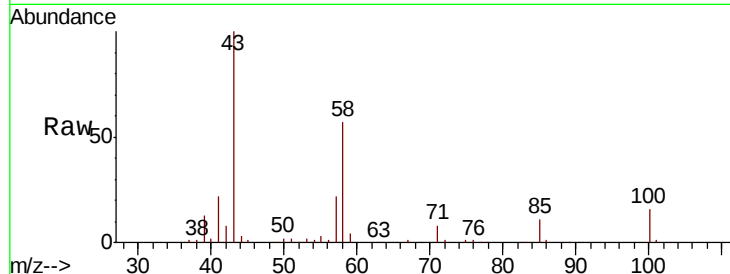


#59
2-Hexanone
Concen: 102.301 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

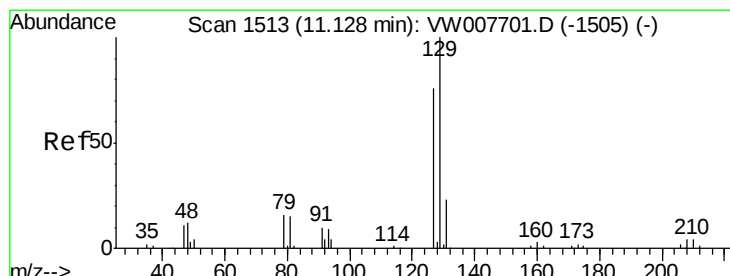
Tot Ion: 43 Resp: 25886
Ion Ratio Lower Upper
43 100
58 56.0 27.7 83.1

Manual Integrations
APPROVED



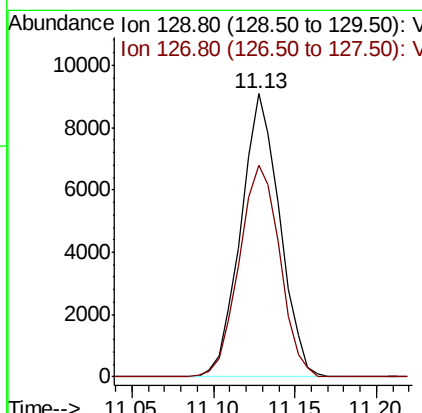
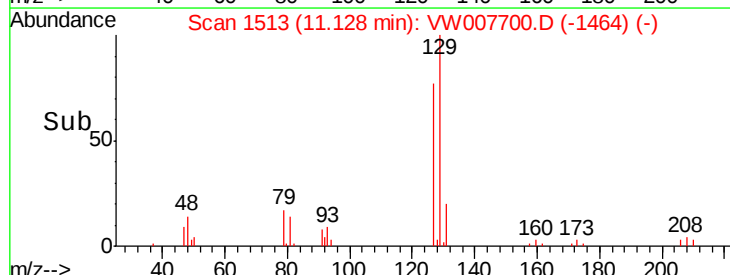
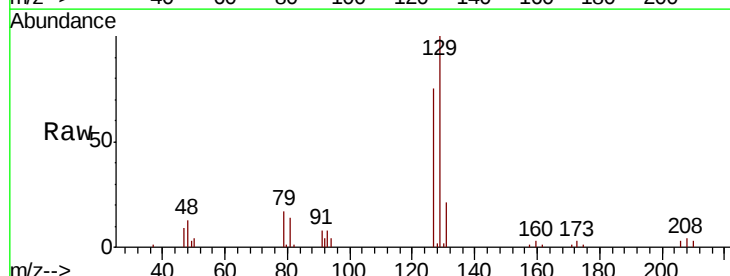
apatel

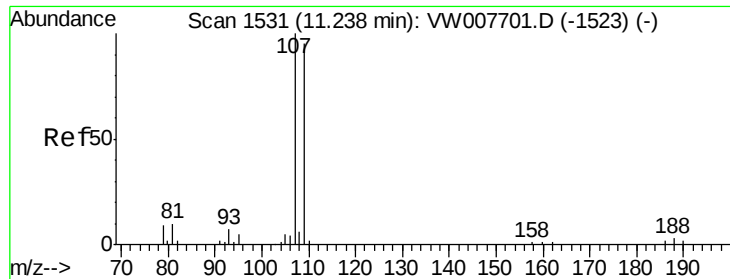
12/20/2018 11:19:36 AM



#60
Dibromochloromethane
Concen: 20.646 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion: 129 Resp: 15125
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9



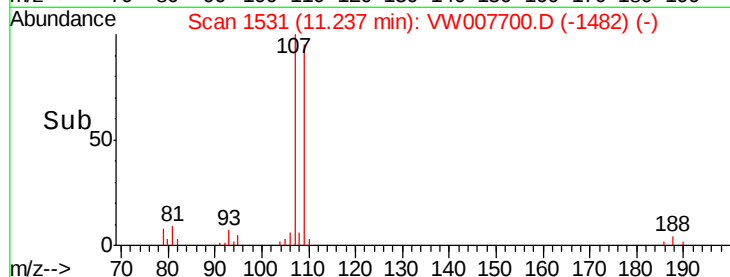
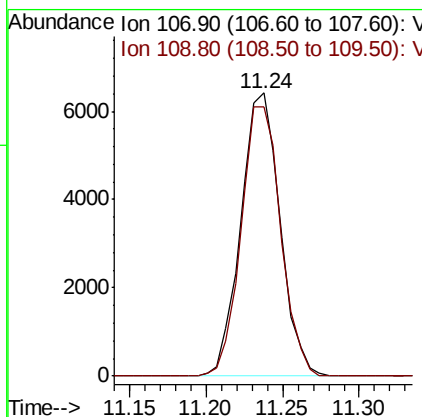
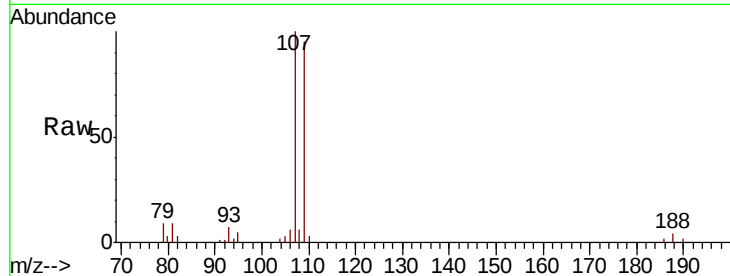


#61
 1,2-Dibromoethane
 Concen: 20.386 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

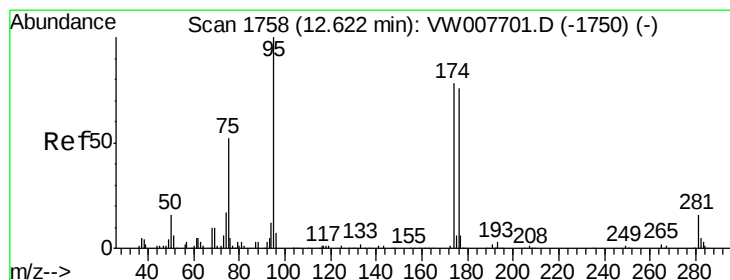
Tot Ion: 107 Resp: 11422
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.4 113.0

Manual Integrations
 APPROVED



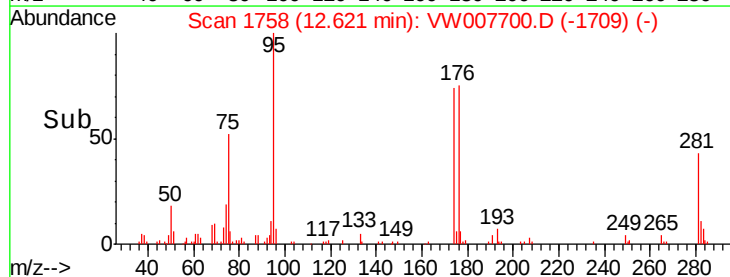
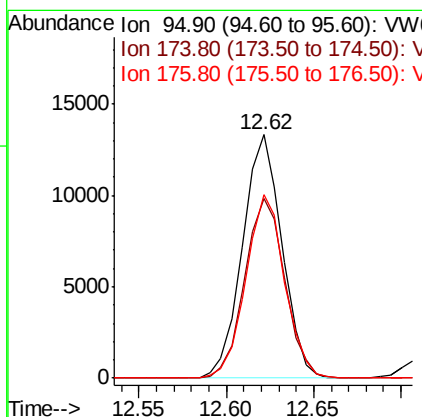
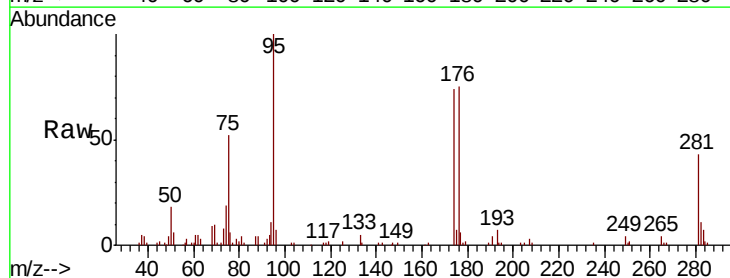
apatel

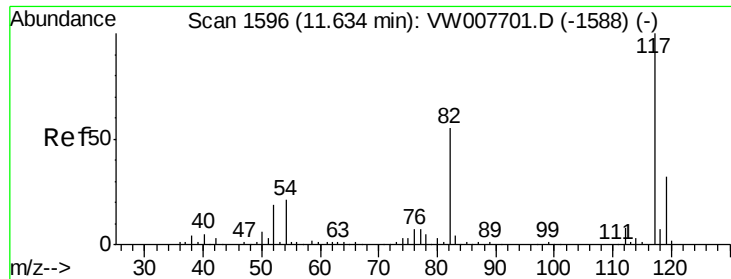
12/20/2018 11:19:36 AM



#62
 4-Bromofluorobenzene
 Concen: 20.580 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Tgt Ion: 95 Resp: 20860
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 152.2
 176 74.0 0.0 146.8



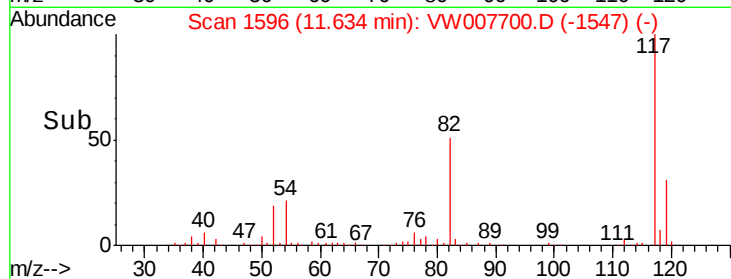
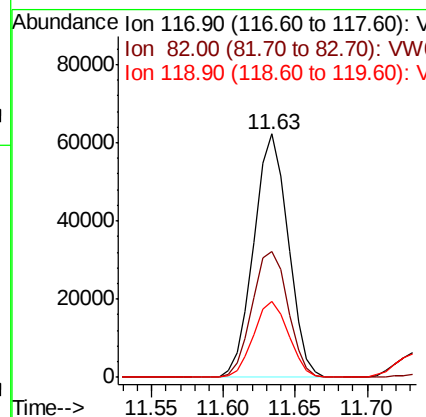
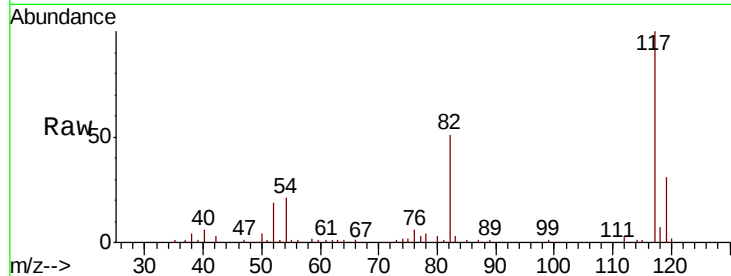


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

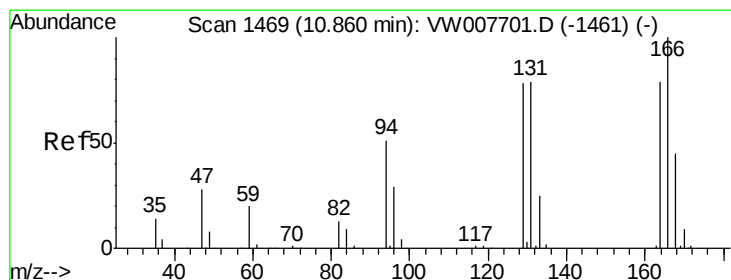
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	44.3	66.5
119	31.1	25.7	38.5

Manual Integrations
APPROVED



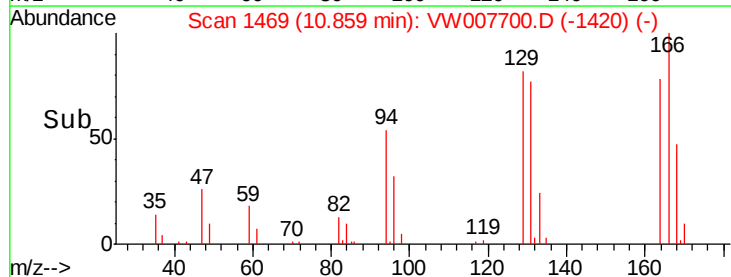
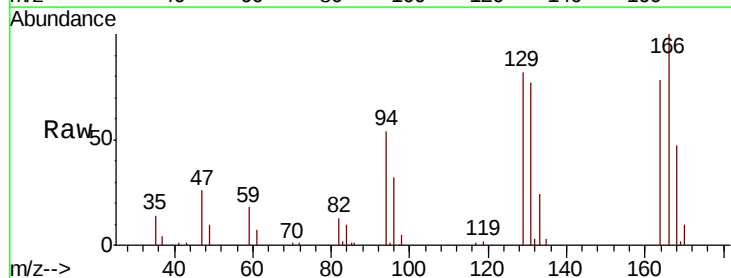
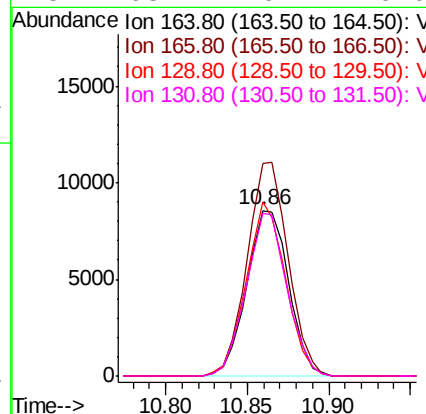
apatel

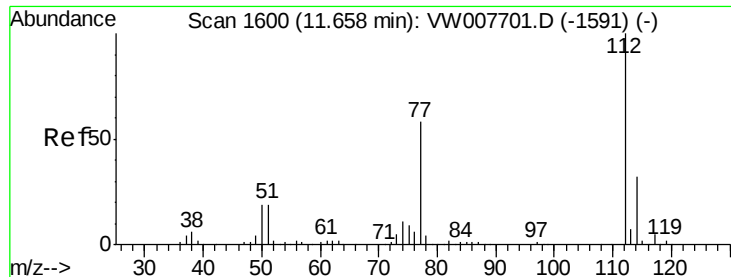
12/20/2018 11:19:36 AM



#64
Tetrachloroethene
Concen: 20.957 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.0	151.6
129	105.2	78.7	118.1
131	98.4	79.4	119.0



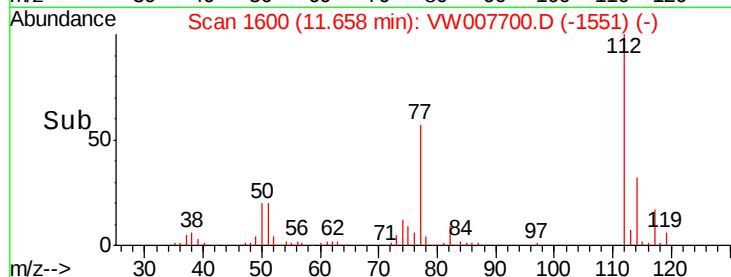
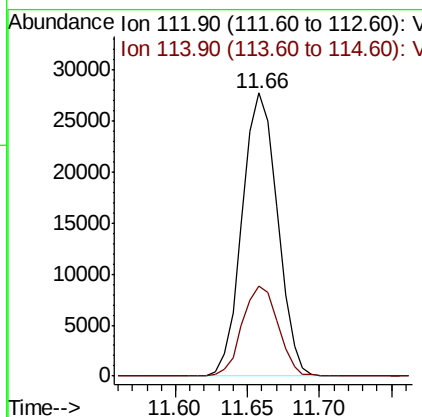
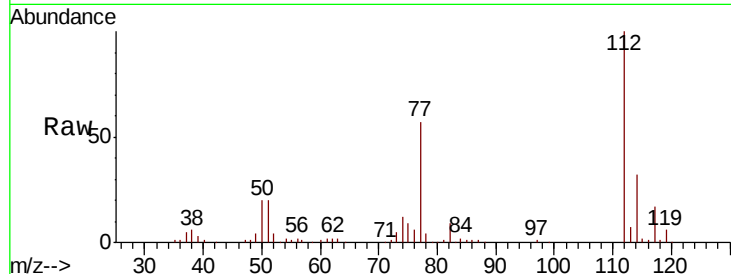


#65
Chlorobenzene
Concen: 21.177 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

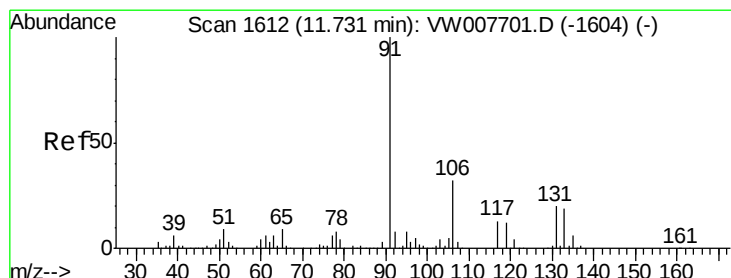
Tot Ion:112 Resp: 47155
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

Manual Integrations
APPROVED



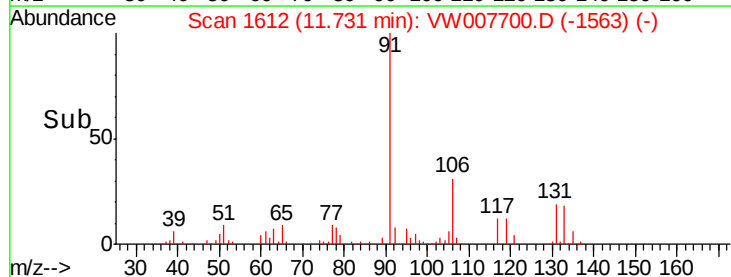
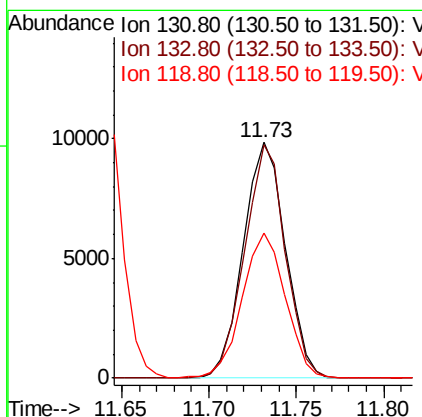
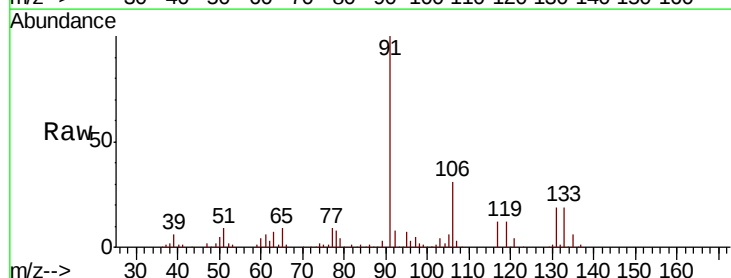
apatel

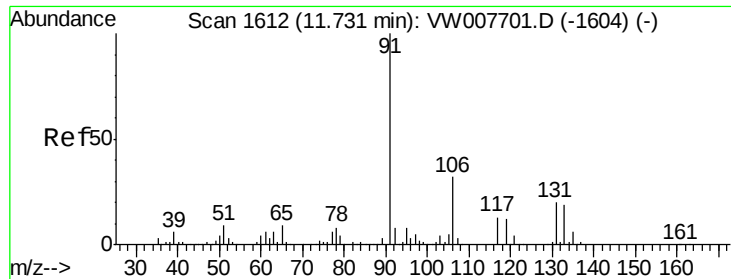
12/20/2018 11:19:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.800 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion:131 Resp: 16549
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 63.0 30.2 90.6



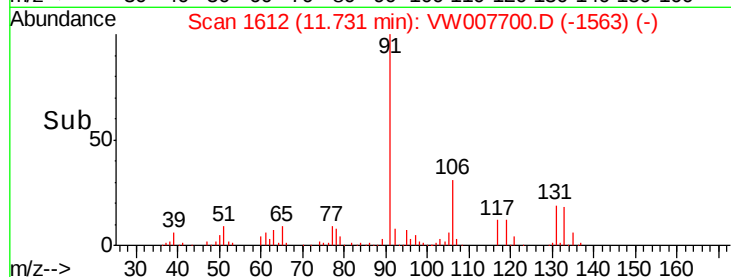
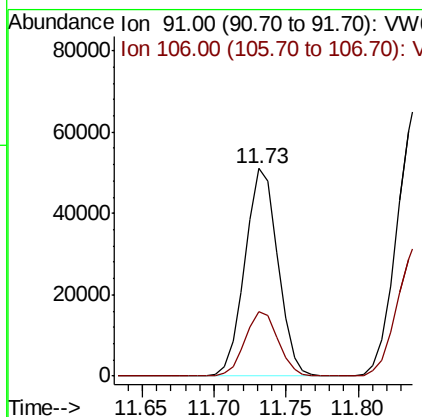
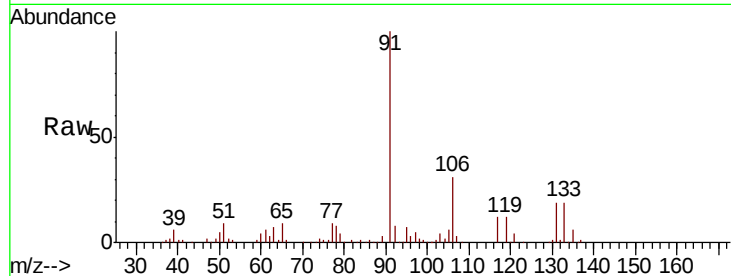


#67
Ethyl Benzene
Concen: 21.118 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

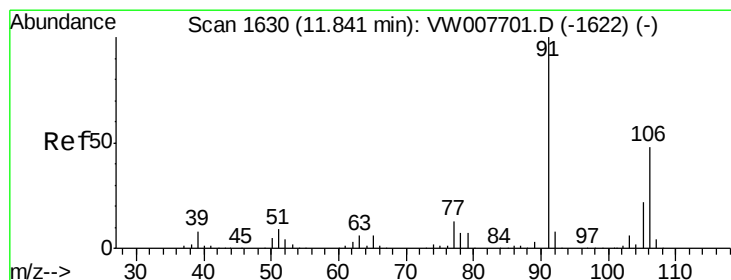
Tot Ion: 91 Resp: 80691
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.8

Manual Integrations
APPROVED



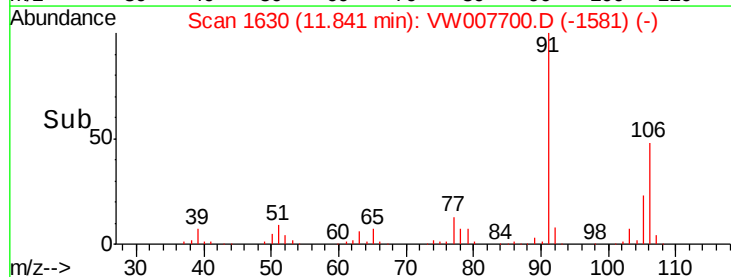
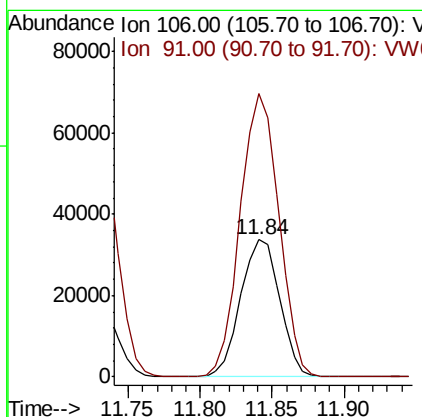
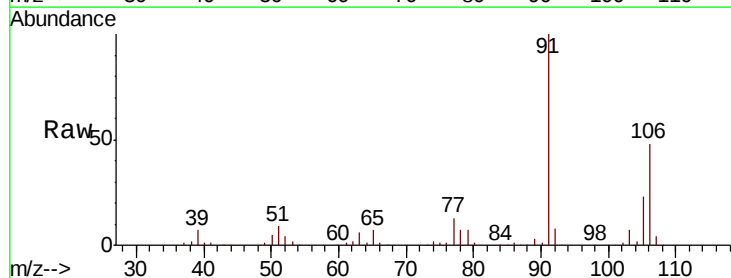
apatel

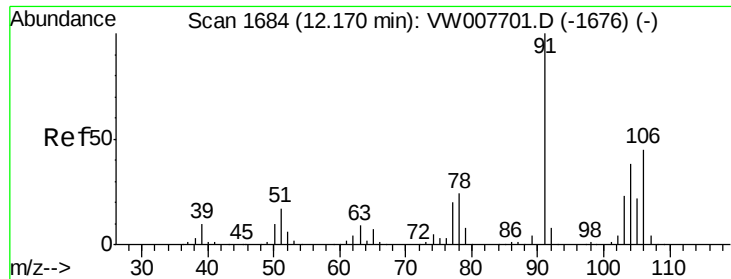
12/20/2018 11:19:36 AM



#68
m/p-Xylenes
Concen: 42.878 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion: 106 Resp: 63556
Ion Ratio Lower Upper
106 100
91 204.5 165.2 247.8



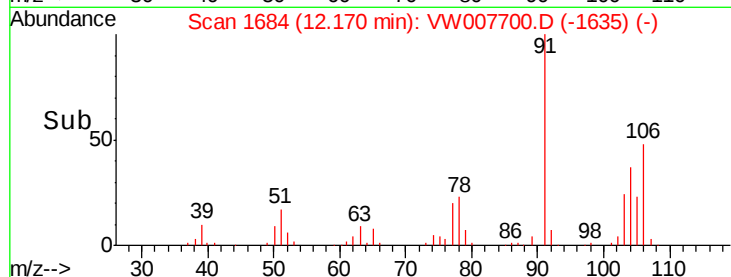
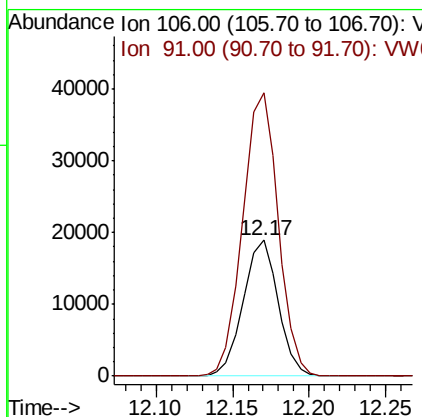
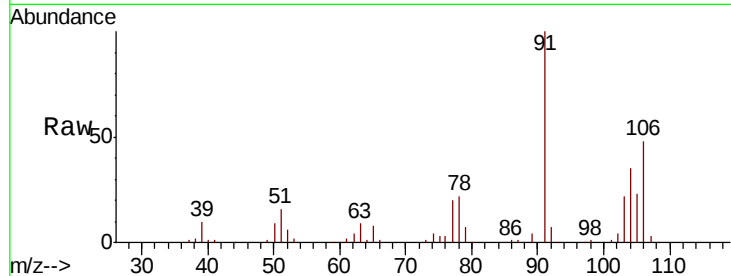


#69
o-Xylene
Concen: 21.593 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

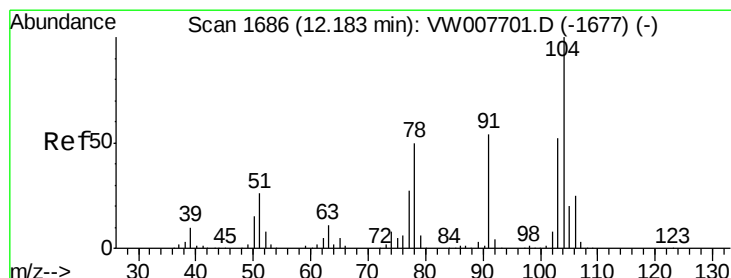
Tot Ion:106 Resp: 30002
Ion Ratio Lower Upper
106 100
91 212.0 110.5 331.4

Manual Integrations
APPROVED



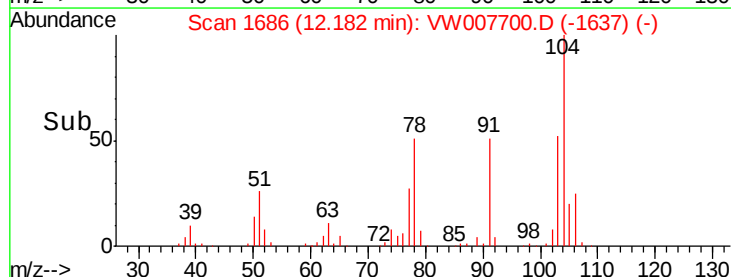
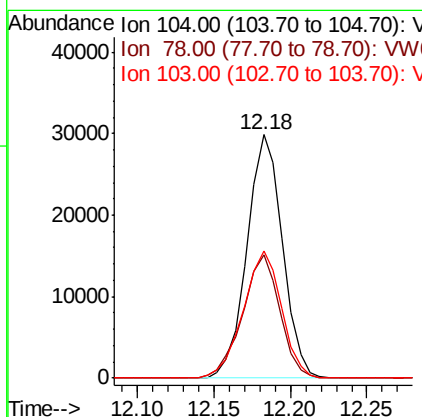
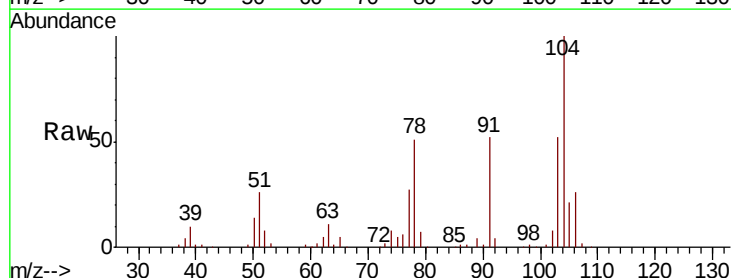
apatel

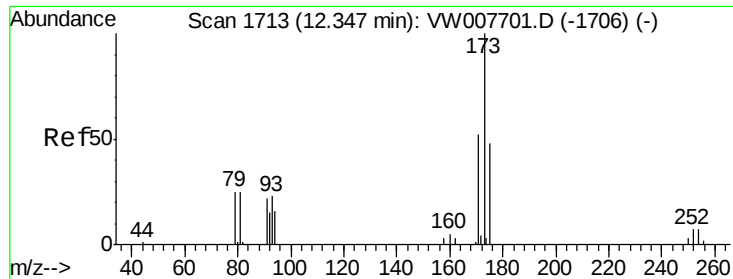
12/20/2018 11:19:36 AM



#70
Styrene
Concen: 21.108 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion:104 Resp: 48208
Ion Ratio Lower Upper
104 100
78 53.1 43.4 65.0
103 56.2 44.5 66.7





#71

Bromoform

Concen: 20.645 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

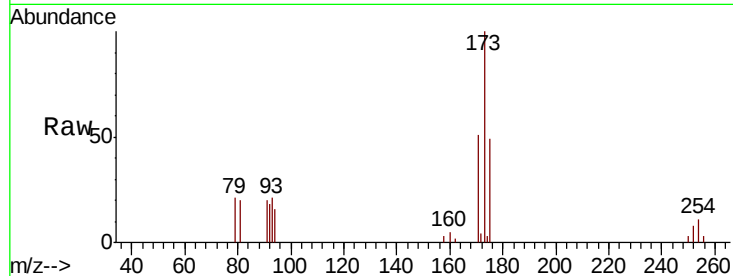
MSVOA_W

ClientSampled :

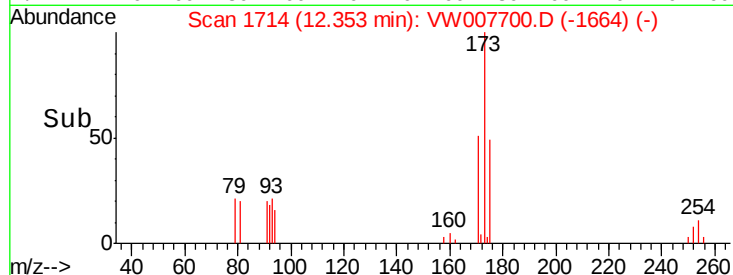
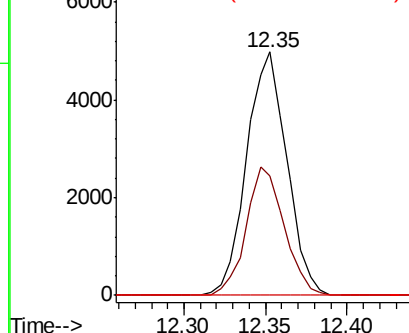
VSTDIC020

Tot Ion:	173	Resp:	8527
Ion Ratio	Lower	Upper	
173	100		
175	49.9	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
APPROVED

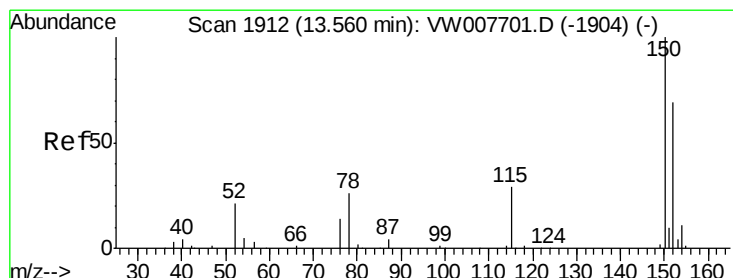


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



apatel

12/20/2018 11:19:36 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

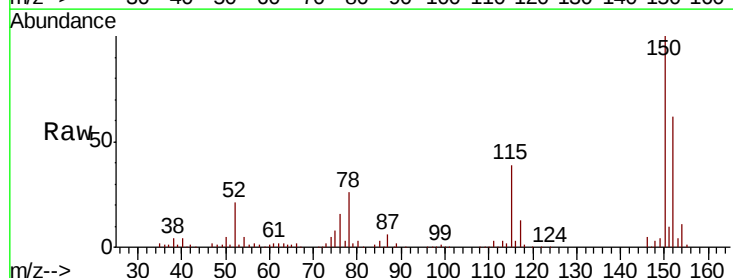
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

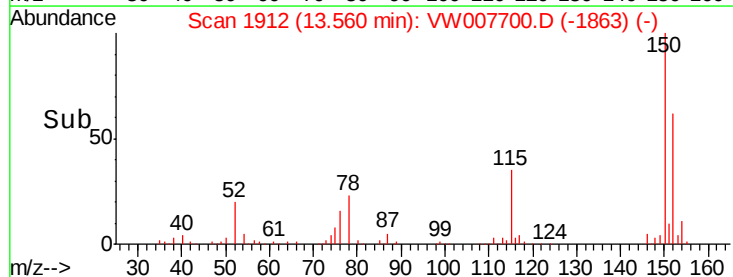
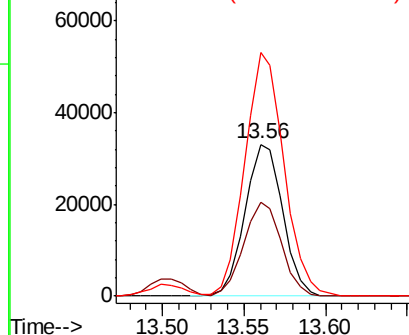
Lab File: VW007700.D

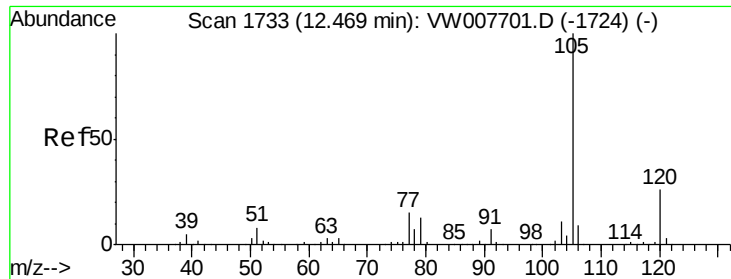
Acq: 19 Dec 2018 14:27

Tgt Ion:	152	Resp:	53060
Ion Ratio	Lower	Upper	
152	100		
115	62.0	31.8	95.4
150	167.0	0.0	350.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.798 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

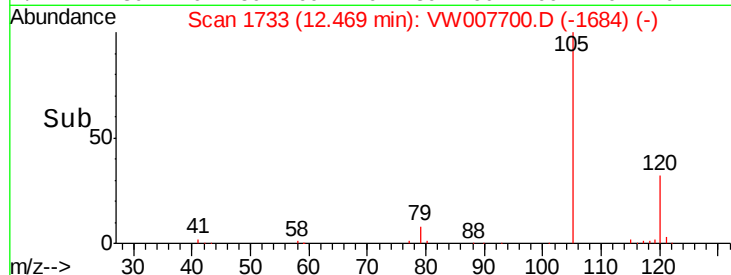
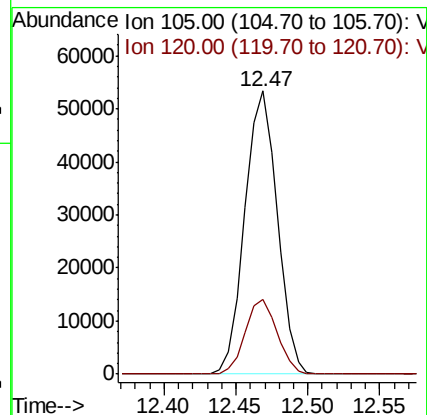
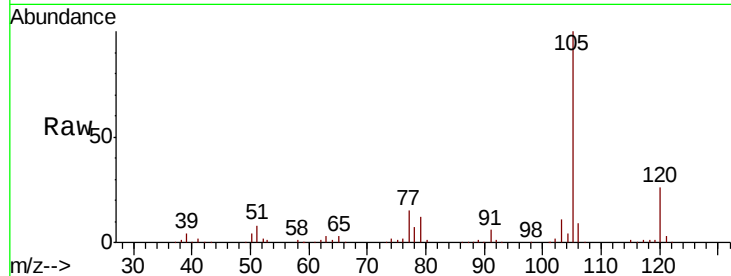
Tot Ion: 105 Resp: 83417

Ion Ratio Lower Upper

105 100

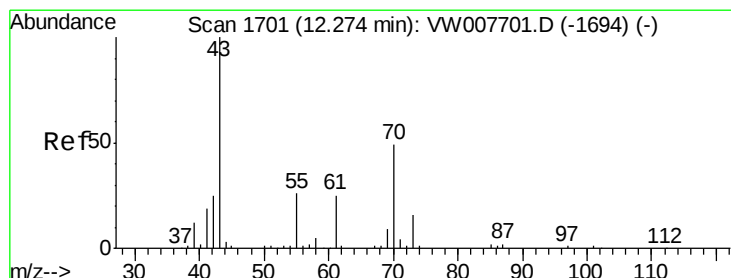
120 26.0 13.1 39.3

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#74

N-ethyl acetate

Concen: 20.487 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tgt Ion: 43 Resp: 14233

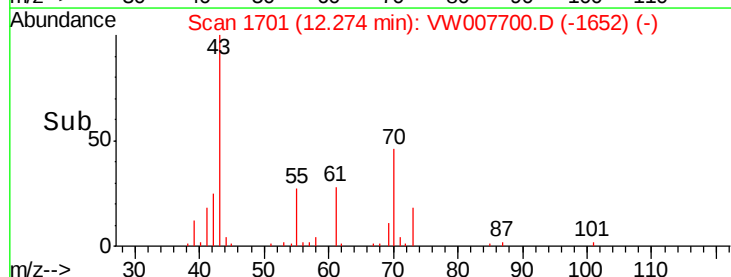
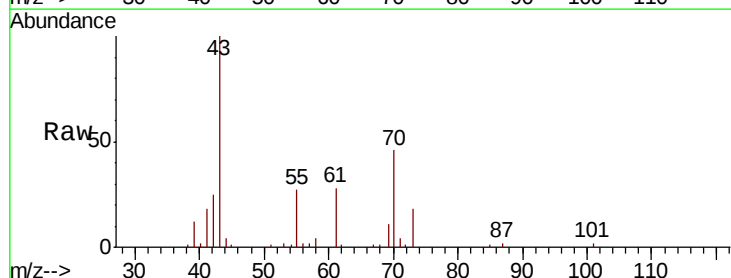
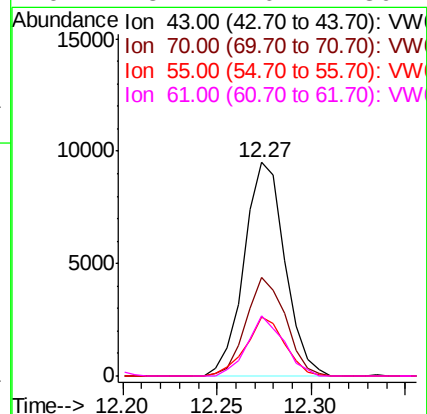
Ion Ratio Lower Upper

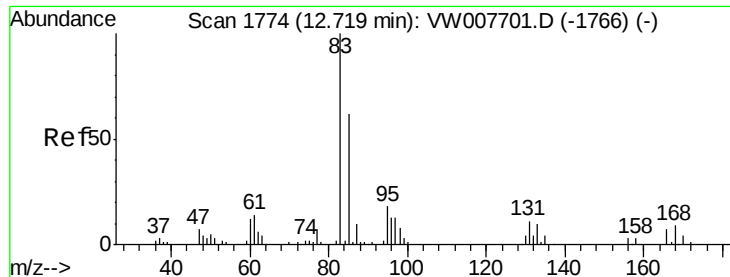
43 100

70 44.8 37.6 56.4

55 26.5 21.7 32.5

61 25.1 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.770 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

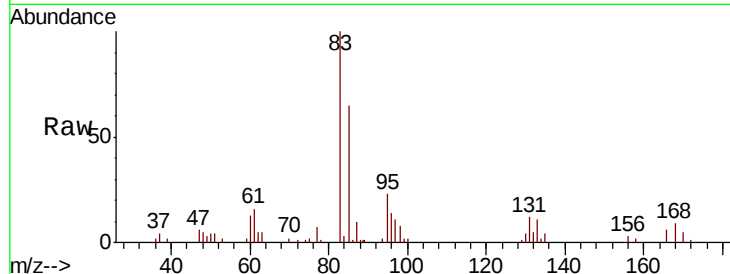
MSVOA_W

ClientSampleId :

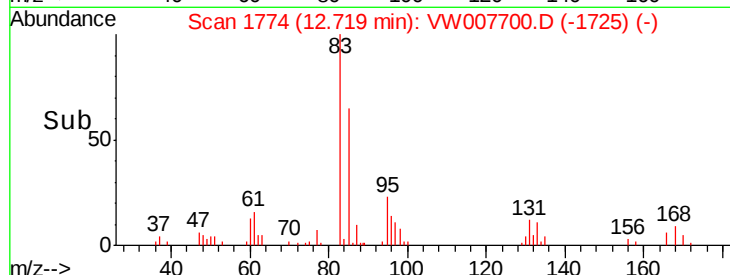
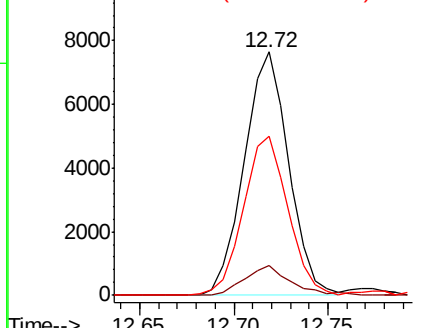
VSTDIC020

Tot Ion:	83	Resp:	12490
Ion	Ratio	Lower	Upper
83	100		
131	12.6	6.3	18.8
85	65.6	32.3	96.8

Manual Integrations
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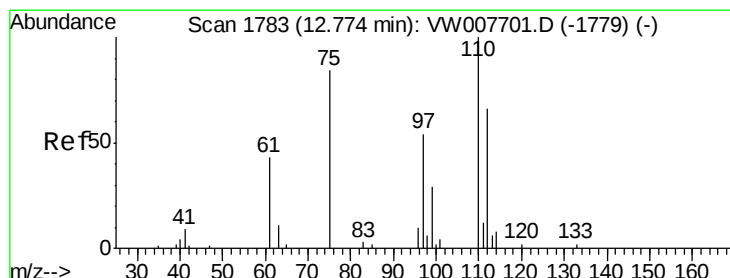


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



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#76

1,2,3-Trichloropropane

Concen: 9.749 ug/l m

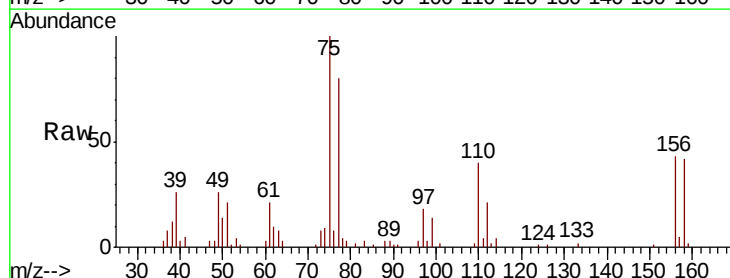
RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

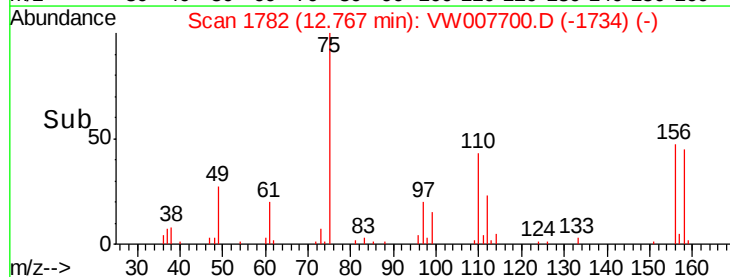
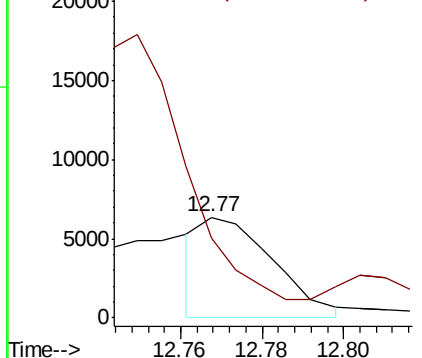
Lab File: VW007700.D

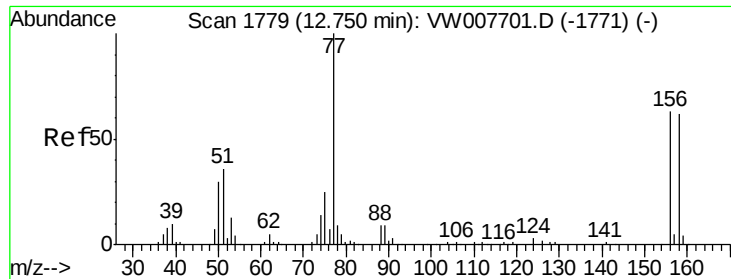
Acq: 19 Dec 2018 14:27

Tgt Ion:	75	Resp:	7831
Ion	Ratio	Lower	Upper
75	100		
77	425.5	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.753 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

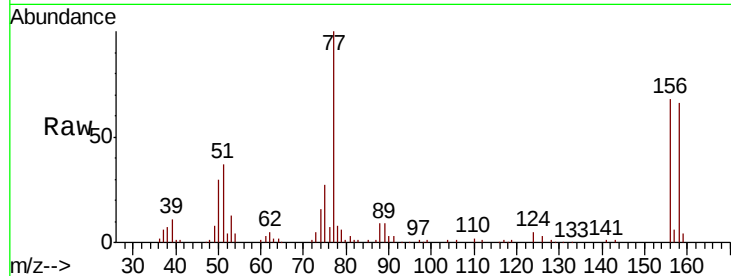
MSVOA_W

ClientSampleId :

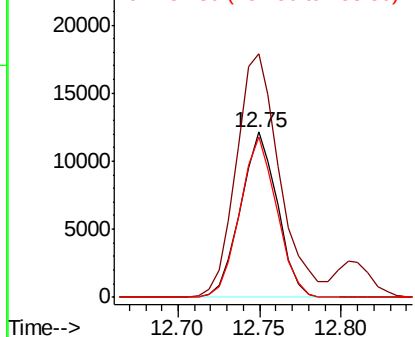
VSTDIC020

Tot Ion:	156	Resp:	19075
Ion Ratio	Lower	Upper	
156	100		
77	174.7	87.4	262.1
158	96.9	48.4	145.0

Manual Integrations
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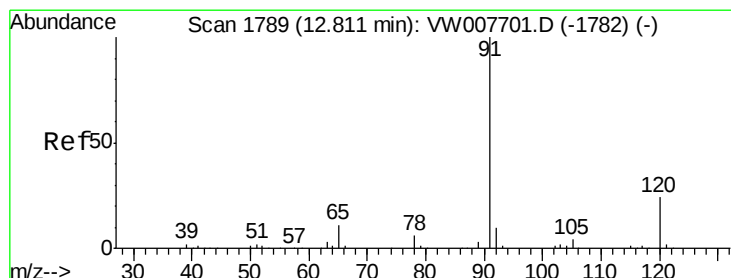
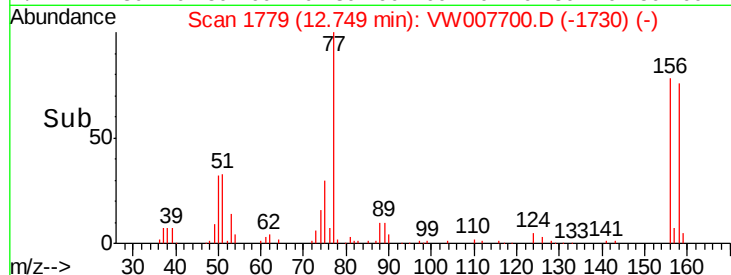


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 21.020 ug/l

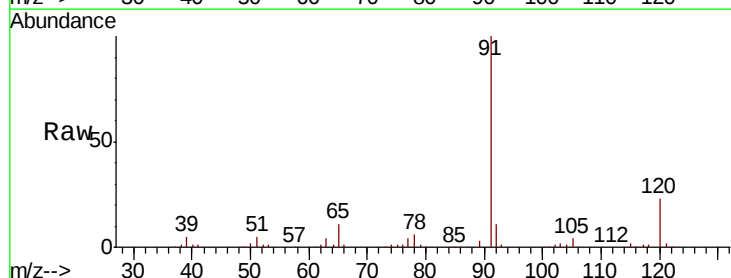
RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

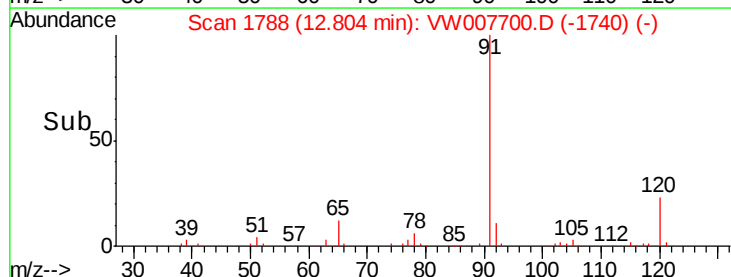
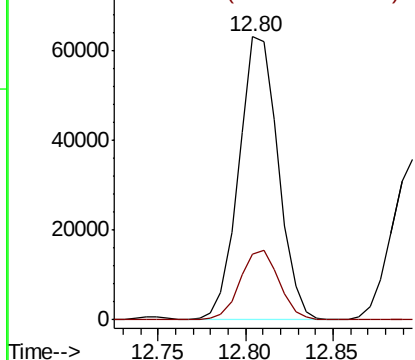
Lab File: VW007700.D

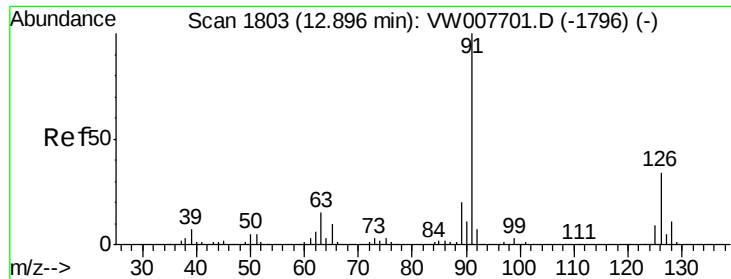
Acq: 19 Dec 2018 14:27

Tgt Ion:	91	Resp:	98136
Ion Ratio	Lower	Upper	
91	100		
120	24.3	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V



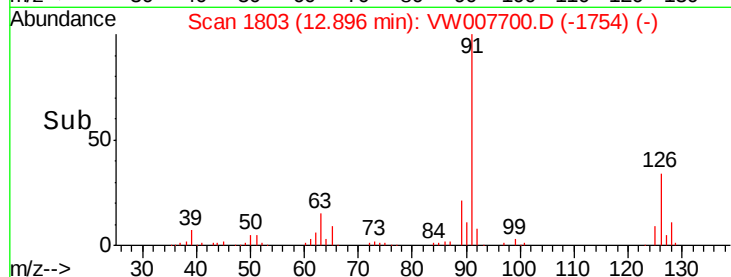
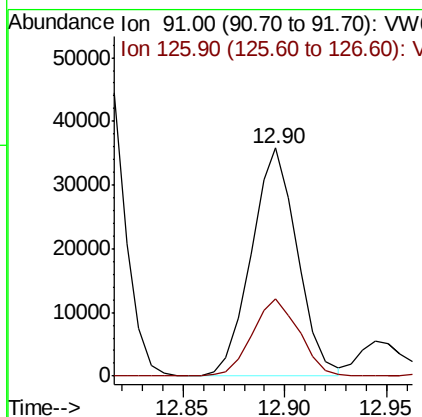
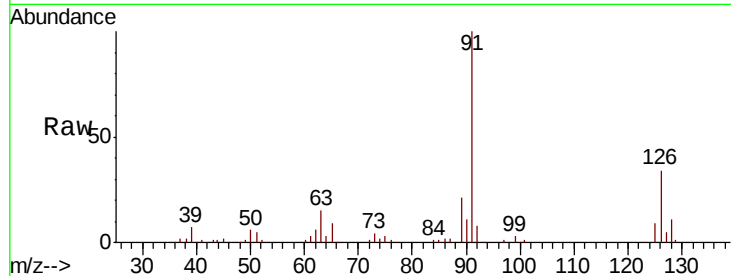


#79
2-Chlorotoluene
Concen: 20.618 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

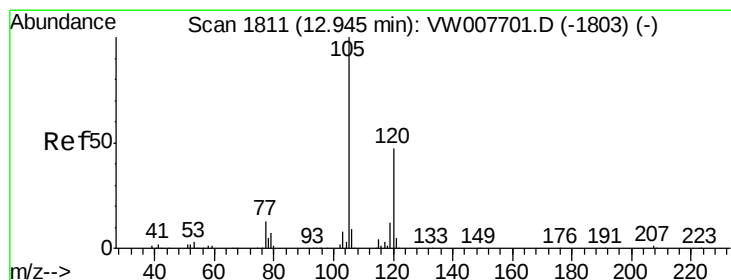
Tot Ion: 91 Resp: 56077
Ion Ratio Lower Upper
91 100
126 34.5 17.0 51.0

Manual Integrations
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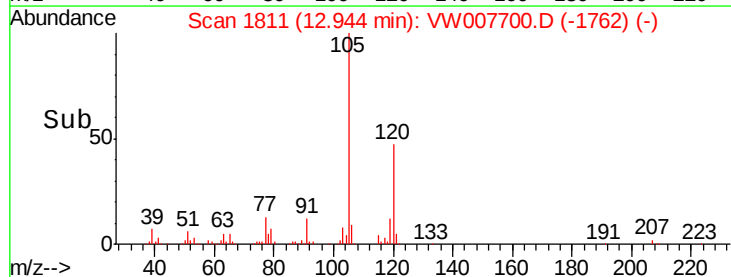
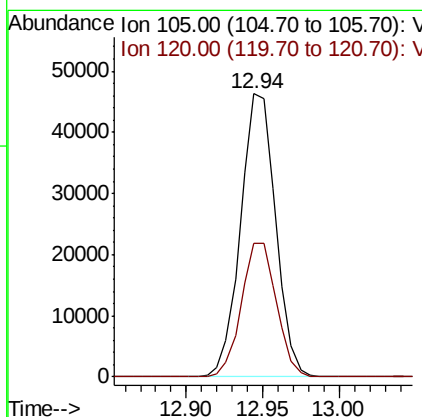
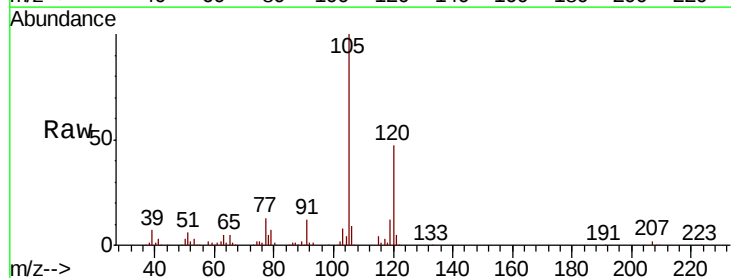
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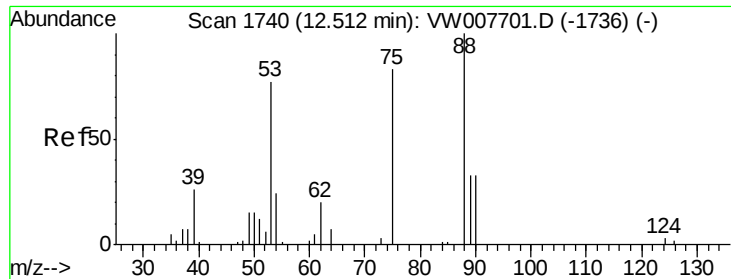
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#80
1,3,5-Trimethylbenzene
Concen: 21.243 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion: 105 Resp: 73491
Ion Ratio Lower Upper
105 100
120 47.3 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.642 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

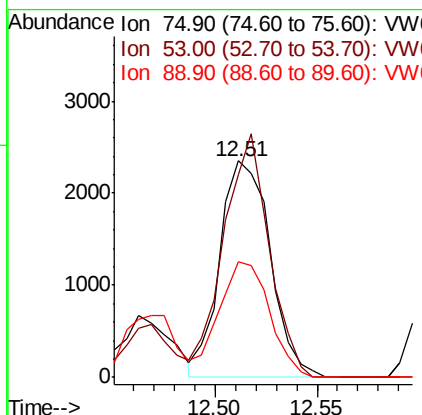
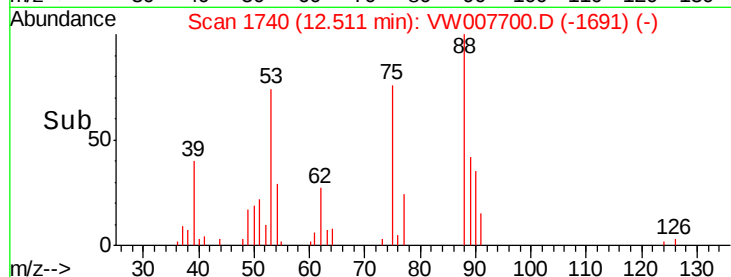
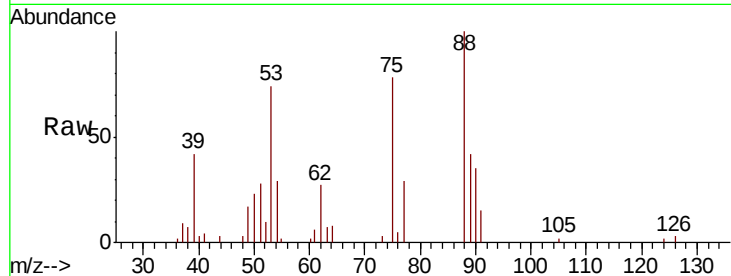
MSVOA_W

ClientSampleId :

VSTDIC020

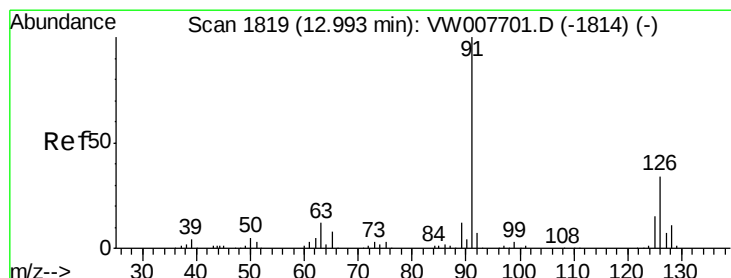
Tot Ion:	75	Resp:	4033
Ion	Ratio	Lower	Upper
75	100		
53	101.3	80.2	120.2
89	53.7	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.754 ug/l

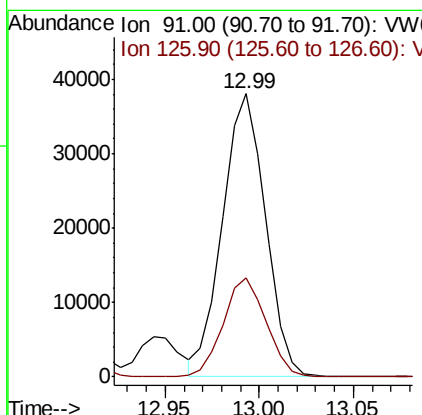
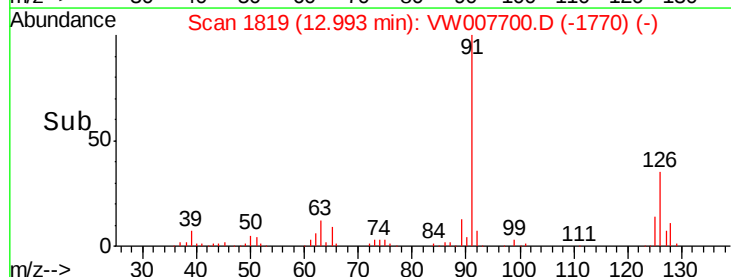
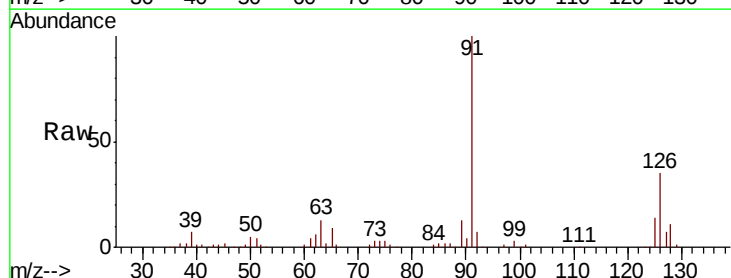
RT: 12.99 min Scan# 1819

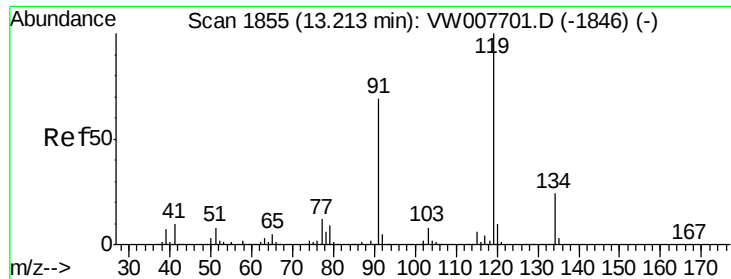
Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tgt Ion:	91	Resp:	60103
Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.5	49.5



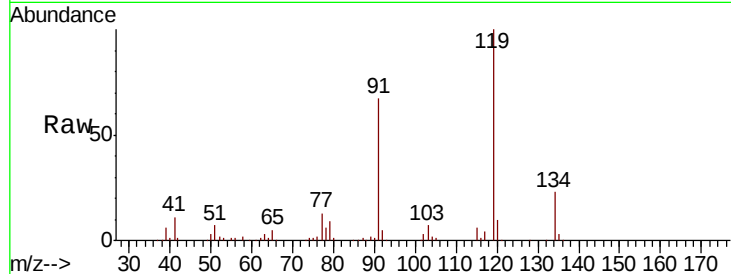


#83
tert-Butylbenzene
Concen: 21.362 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

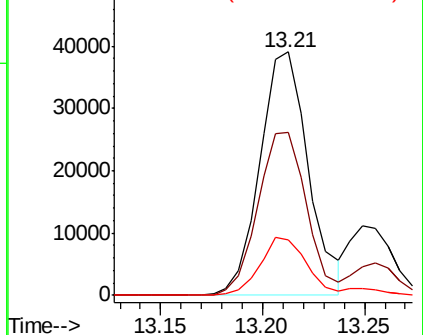
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.2	102.5
134	22.5	12.8	38.4

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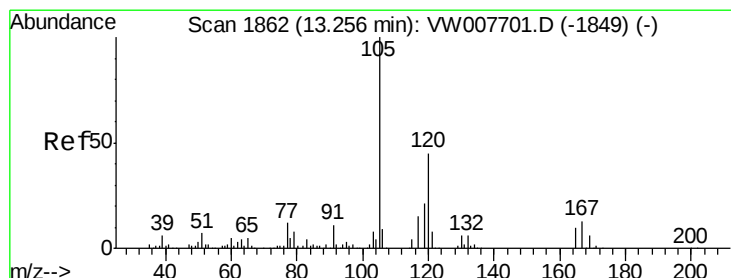
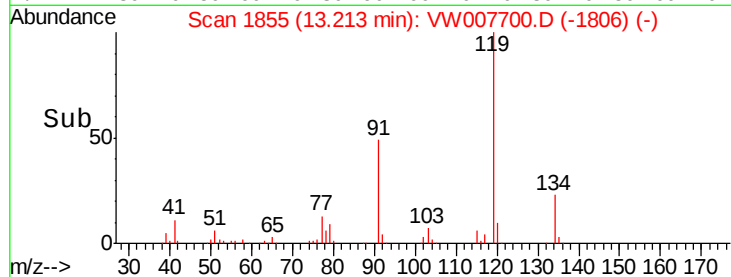


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



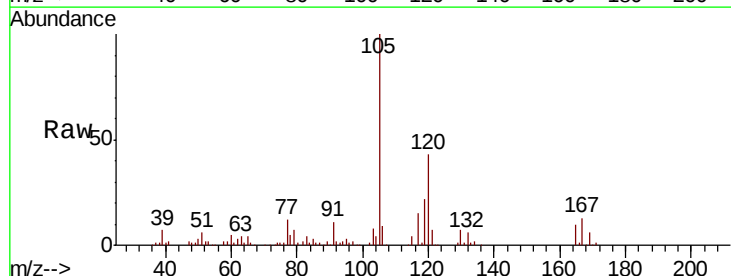
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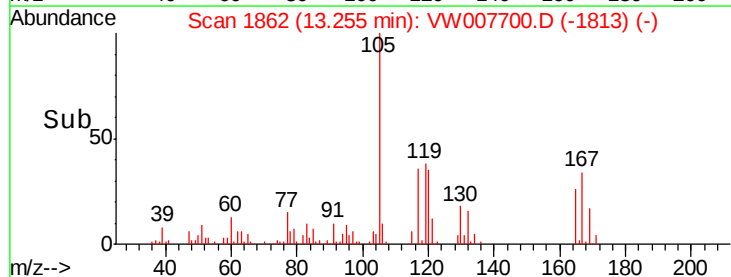
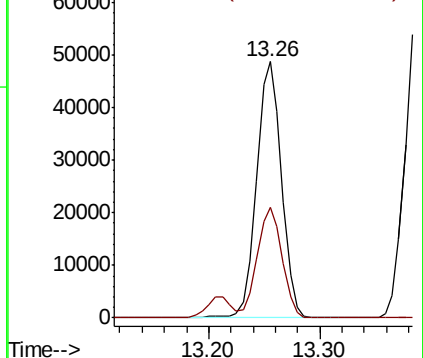


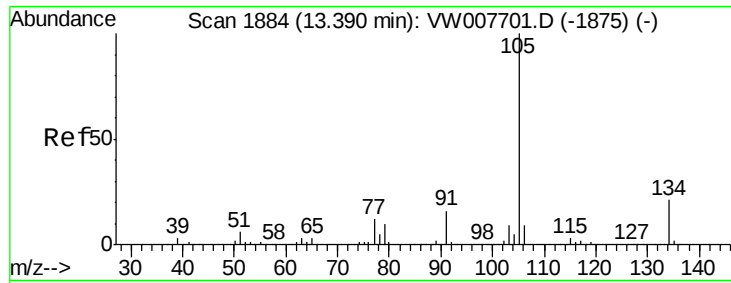
#84
1,2,4-Trimethylbenzene
Concen: 21.681 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.0	66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



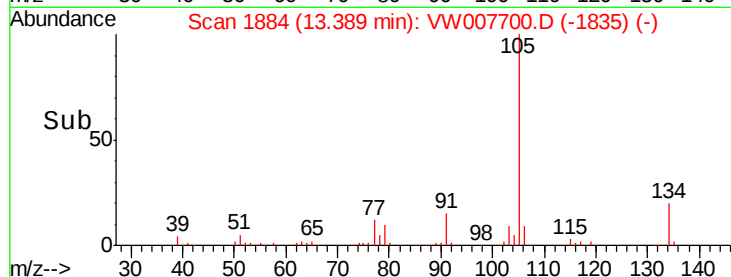
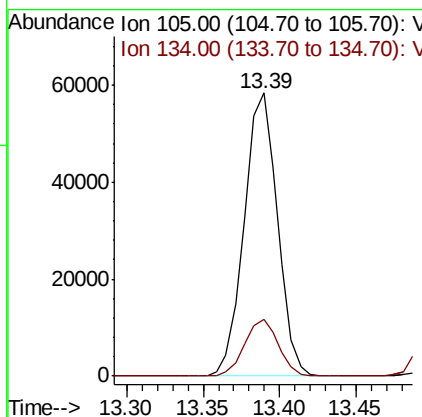
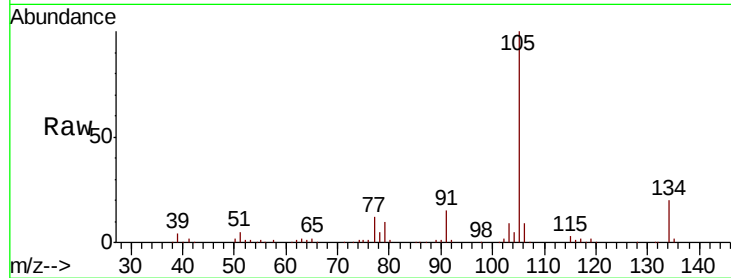


#85
 sec-Butylbenzene
 Concen: 21.124 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

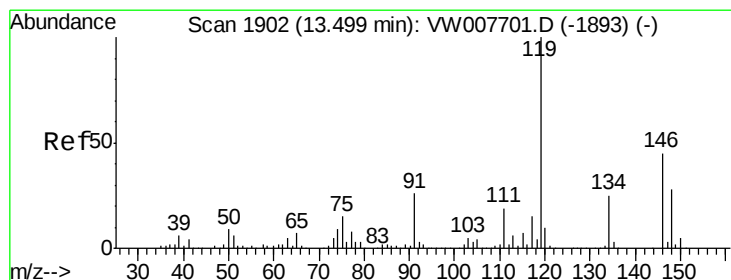
Tot Ion:105 Resp: 88372
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4

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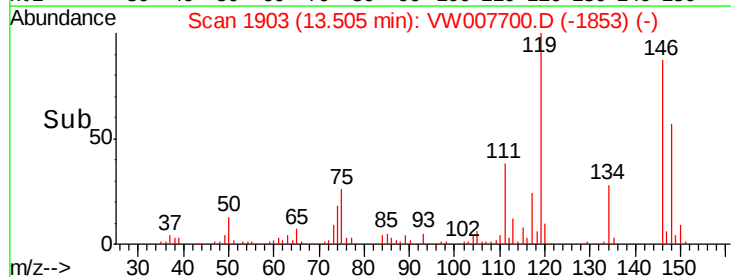
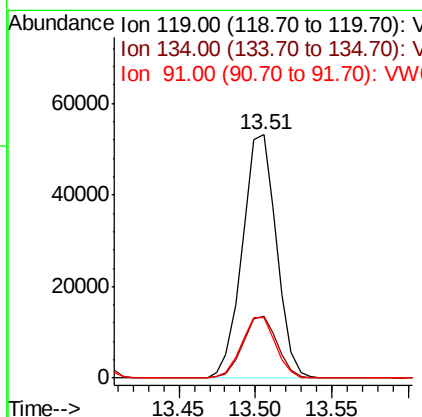
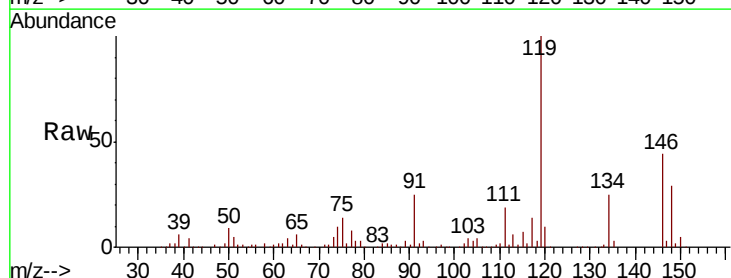
apatel

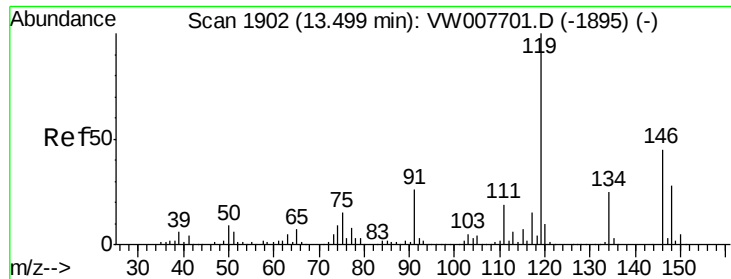
12/20/2018 11:19:36 AM



#86
 p-Isopropyltoluene
 Concen: 21.552 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Tgt Ion:119 Resp: 81986
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 39.0
 91 25.0 12.8 38.4



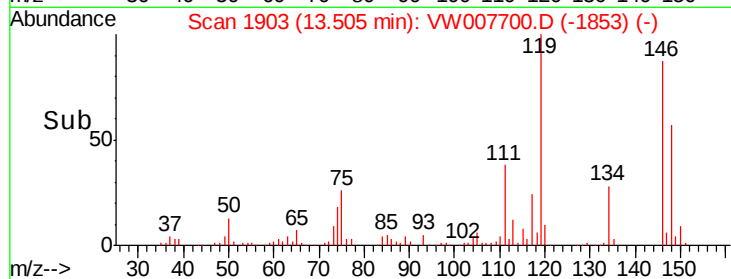
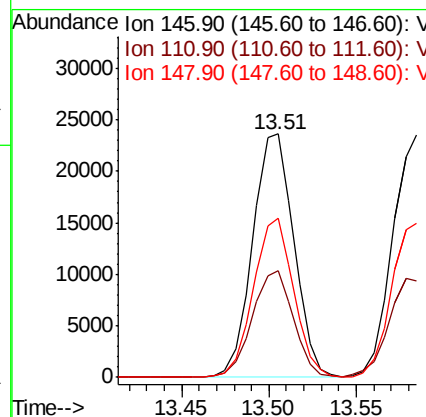
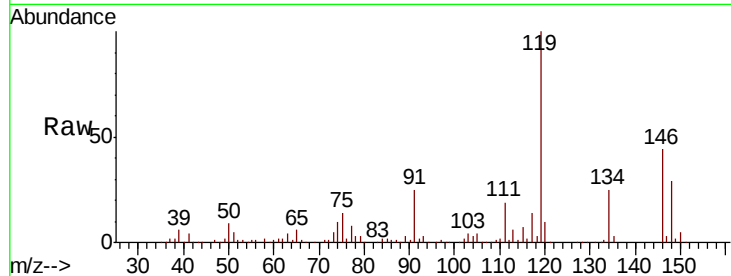


#87
 1,3-Dichlorobenzene
 Concen: 21.199 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

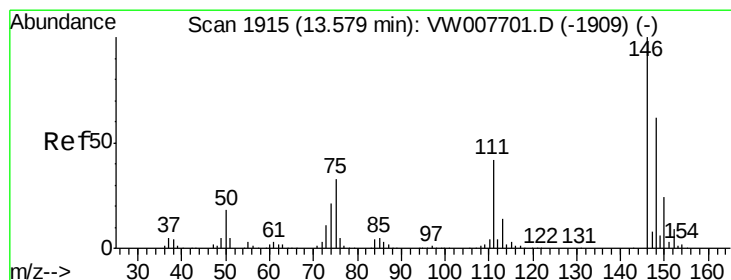
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.1	63.4
148	63.6	32.1	96.5

Manual Integrations
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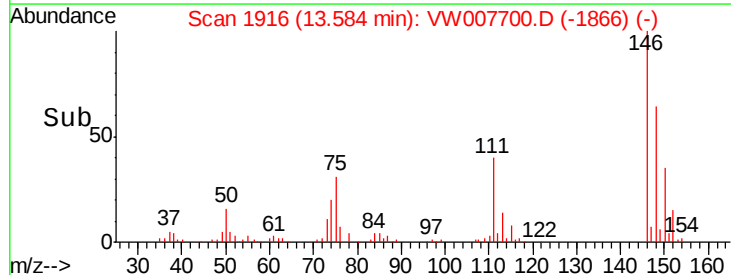
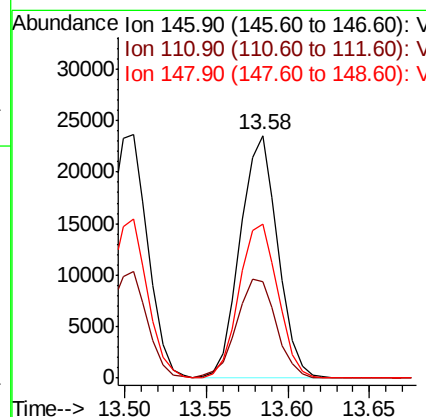
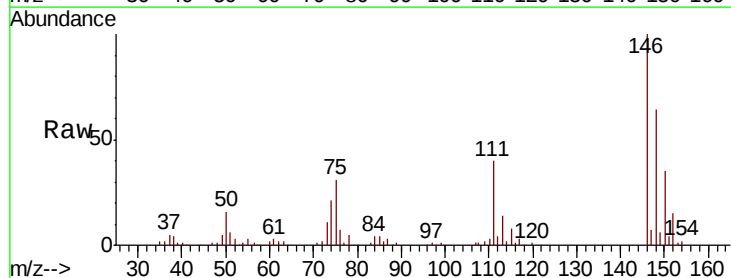
apatel

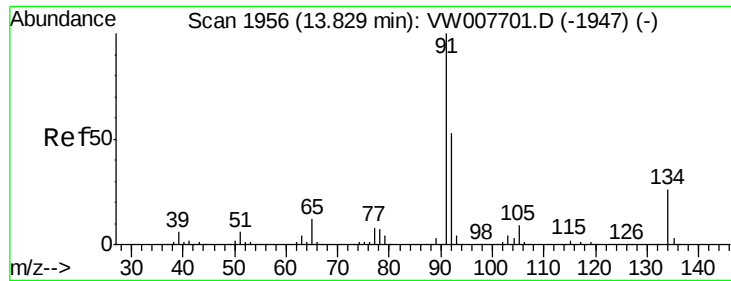
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#88
 1,4-Dichlorobenzene
 Concen: 20.693 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007700.D
 Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.0	63.0
148	65.5	31.8	95.4



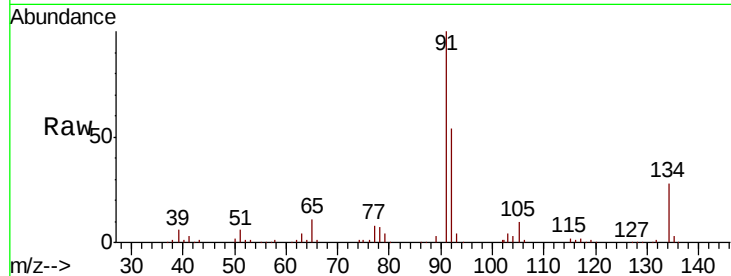


#89
n-Butylbenzene
Concen: 21.089 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.2
134	27.2	13.7	41.0

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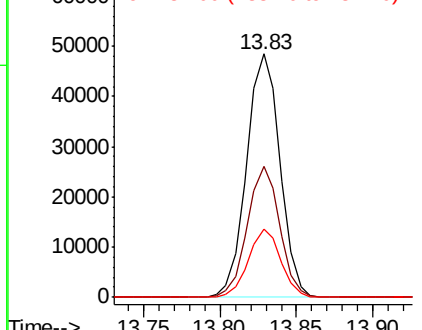


Abundance

Ion 91.00 (90.70 to 91.70): VW

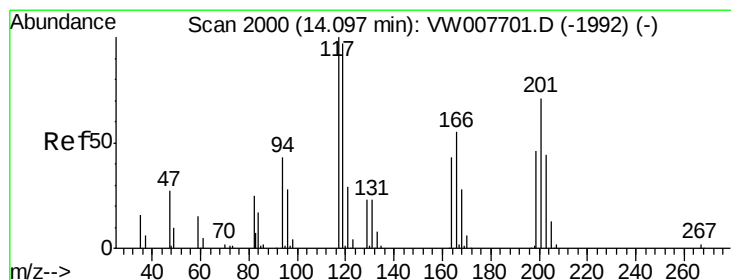
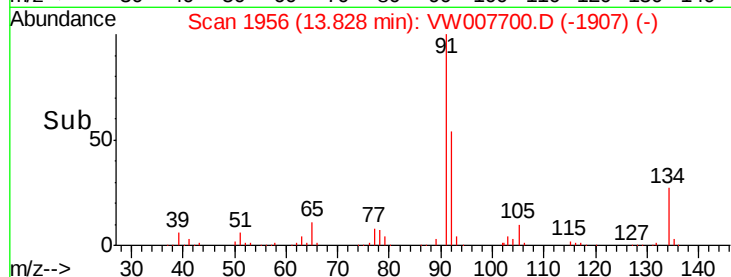
Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



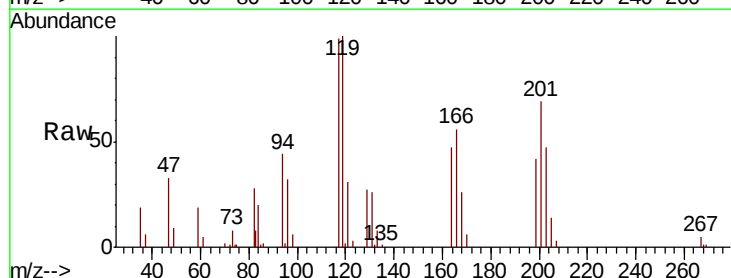
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#90
Hexachloroethane
Concen: 20.288 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

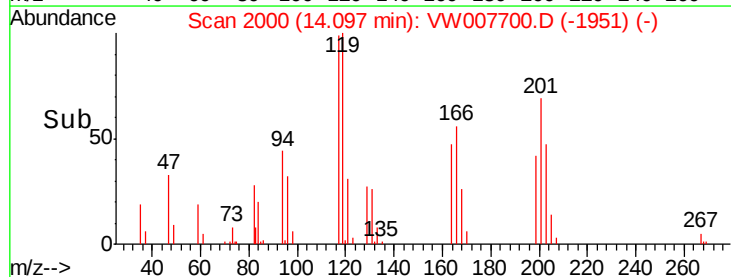
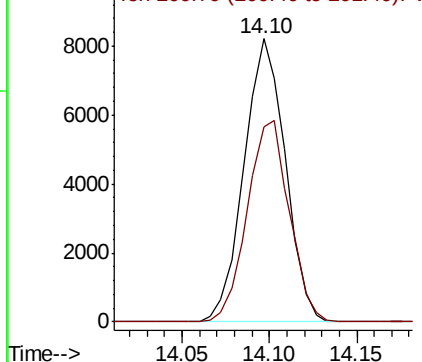
Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.4	36.2	108.6

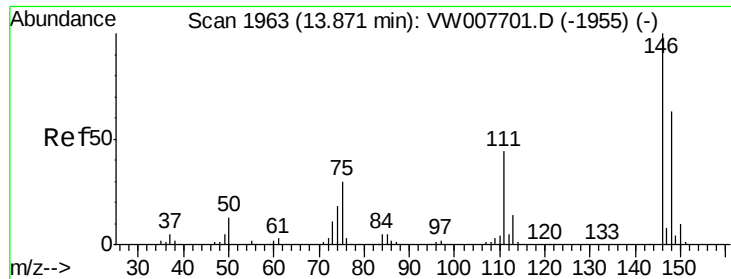


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.463 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Instrument :

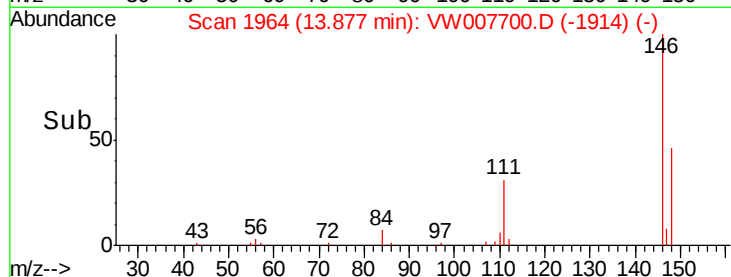
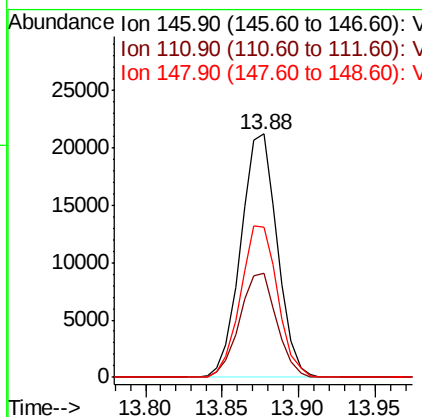
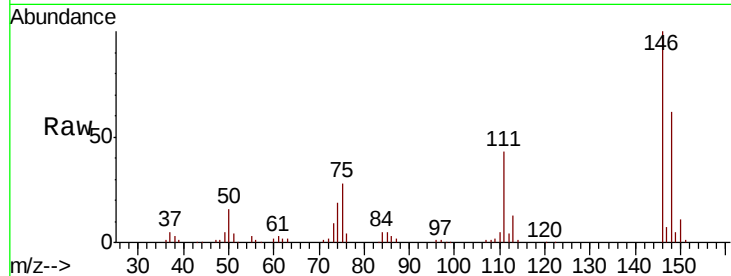
MSVOA_W

ClientSampleId :

VSTDIC020

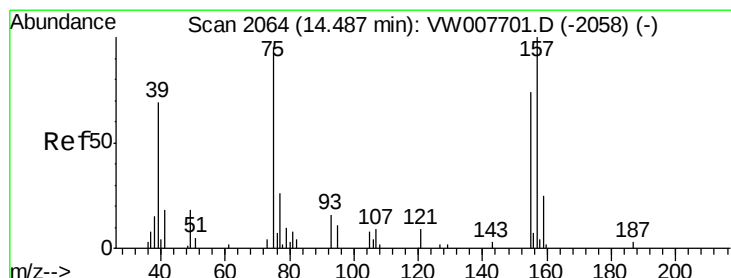
Tot Ion:	146	Resp:	35070
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.7	65.1
148	63.2	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.276 ug/l

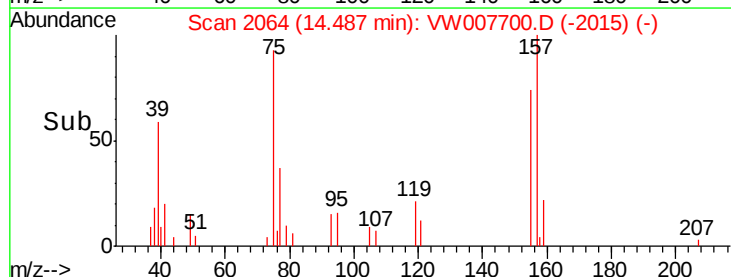
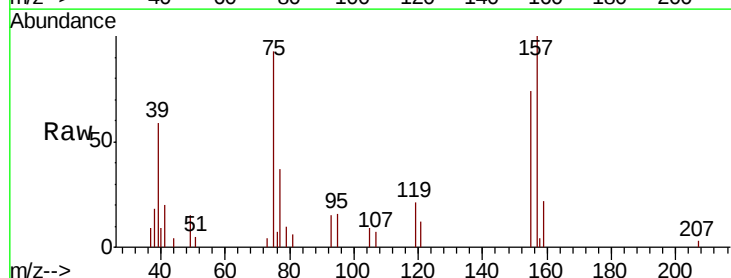
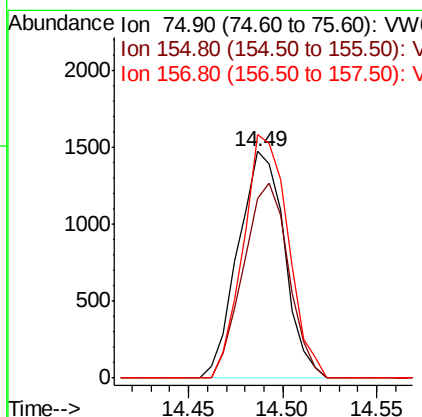
RT: 14.49 min Scan# 2064

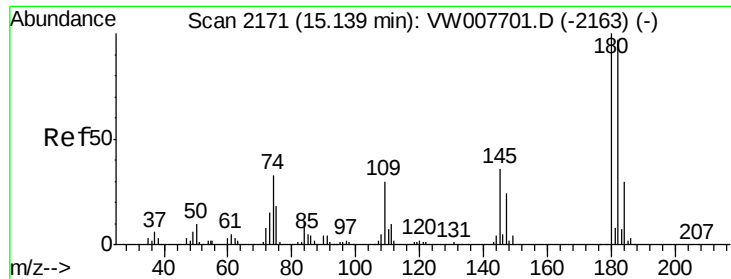
Delta R.T. -0.00 min

Lab File: VW007700.D

Acq: 19 Dec 2018 14:27

Tgt Ion:	75	Resp:	2504
Ion Ratio	Lower	Upper	
75	100		
155	84.3	39.4	118.1
157	104.8	52.0	156.0



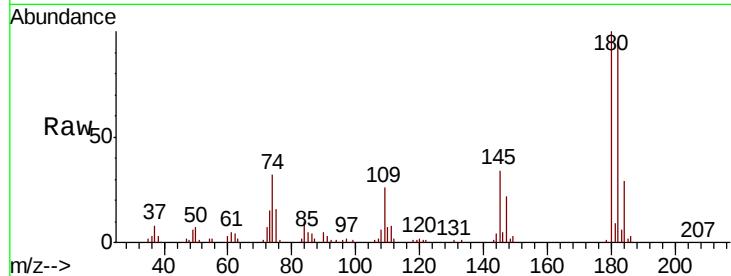


#93
1,2,4-Trichlorobenzene
Concen: 20.965 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	23779		
182	96.2		47.5	142.6
145	34.3		17.5	52.5

Manual Integrations
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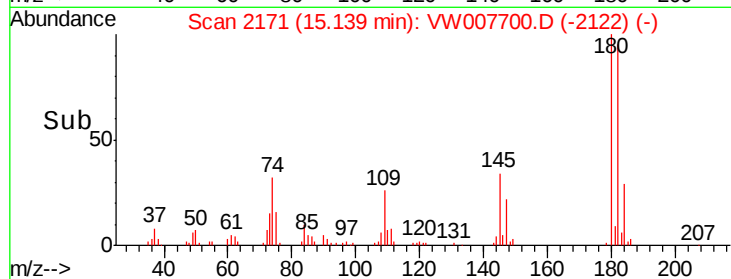
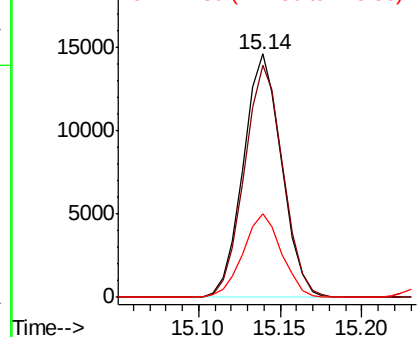


Abundance

Ion 179.80 (179.50 to 180.50): V

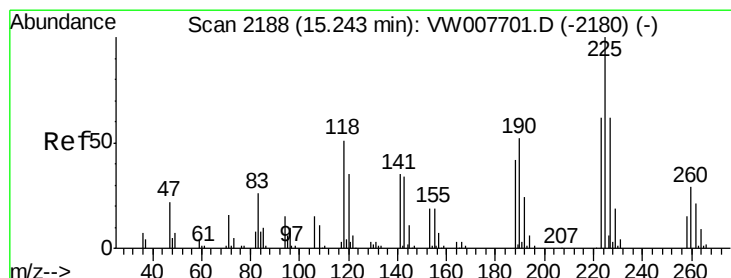
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



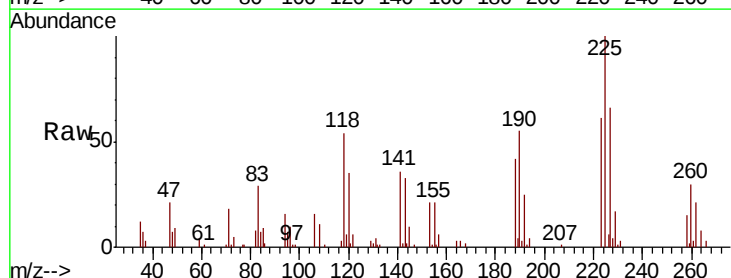
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#94
Hexachlorobutadiene
Concen: 21.067 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12770		
223	60.7		31.6	94.8
227	63.5		32.1	96.3

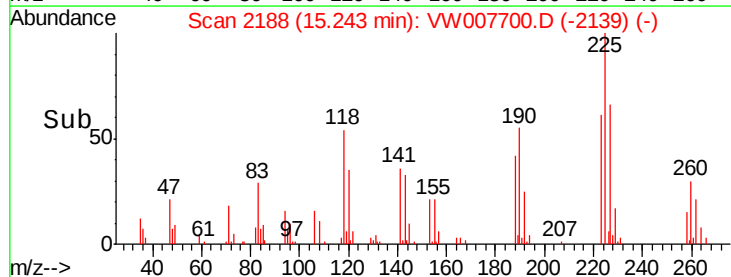
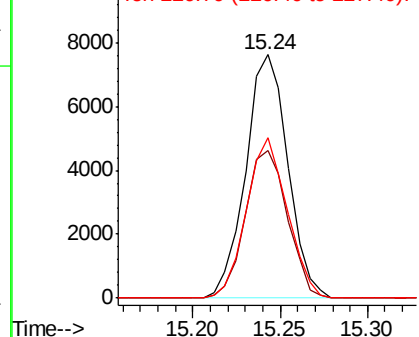


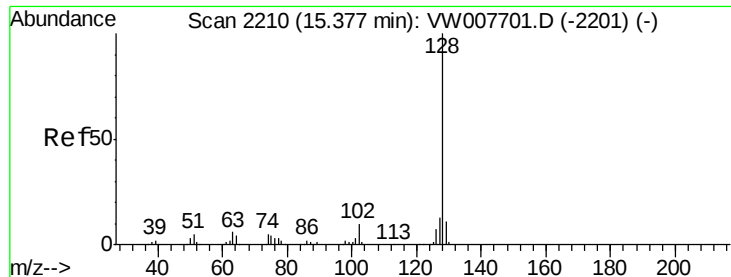
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



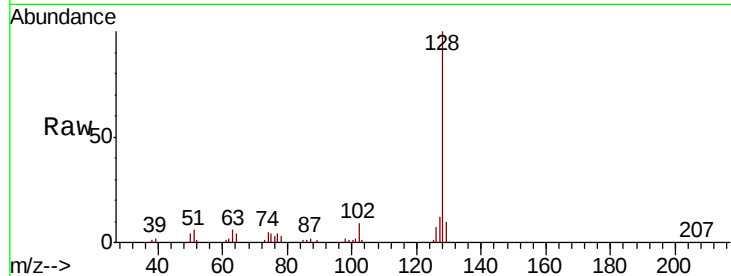


#95
Naphthalene
Concen: 20.909 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.6	8.8	13.2

Manual Integrations
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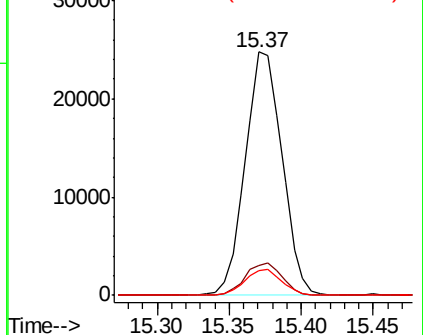


Abundance

Ion 128.00 (127.70 to 128.70): V

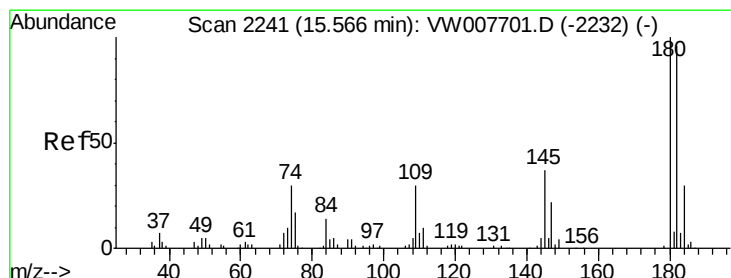
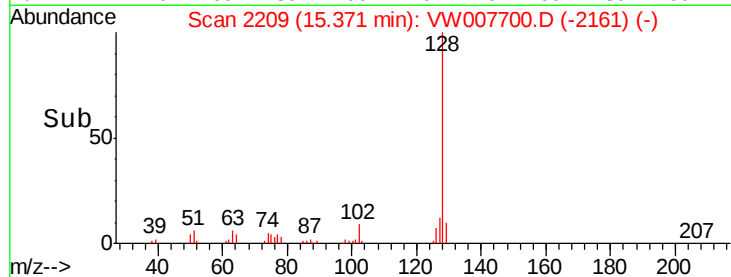
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



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#96
1,2,3-Trichlorobenzene
Concen: 20.898 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007700.D
Acq: 19 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.2
145	35.8	18.4	55.0

Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

