

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120518\
 Data File : VW007232.D
 Acq On : 05 Dec 2018 15:47
 Operator : SY/AP
 Sample : VW1205SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Manual Integrations
 APPROVED

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 12/6/2018 12:55:53 PM

Quant Time: Dec 06 06:38:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	103623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	155441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	75160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	51291	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	7.88	113	49275	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
50) Toluene-d8	10.32	98	213616	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
62) 4-Bromofluorobenzene	12.62	95	82495	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	25388	22.394	ug/l	100
3) Chloromethane	2.21	50	28660	19.962	ug/l	99
4) Vinyl Chloride	2.35	62	19098	21.245	ug/l	98
5) Bromomethane	2.75	94	11761	26.109	ug/l	89
6) Chloroethane	2.91	64	10496	20.810	ug/l	97
7) Trichlorofluoromethane	3.26	101	37523	21.410	ug/l	97
8) Diethyl Ether	3.68	74	10013	20.497	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	22117	20.891	ug/l	99
10) Methyl Iodide	4.27	142	13336	14.787	ug/l	100
11) Tert butyl alcohol	5.16	59	10124	98.462	ug/l	95
12) 1,1-Dichloroethene	4.04	96	20580	20.743	ug/l	99
13) Acrolein	3.90	56	6876	101.714	ug/l	98
14) Allyl chloride	4.68	41	31542	19.833	ug/l	99
15) Acrylonitrile	5.37	53	21051	103.078	ug/l	99
16) Acetone	4.12	43	22127	96.880	ug/l	97
17) Carbon Disulfide	4.38	76	64962	19.863	ug/l	97
18) Methyl Acetate	4.67	43	10801	20.718	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	48614	20.811	ug/l	99
20) Methylene Chloride	4.92	84	25224	18.662	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	22673	20.466	ug/l	98
22) Diisopropyl ether	6.31	45	59464	20.829	ug/l	95
23) Vinyl Acetate	6.26	43	161676	103.786	ug/l	99
24) 1,1-Dichloroethane	6.22	63	37757	20.634	ug/l	99
25) 2-Butanone	7.18	43	25704	97.086	ug/l	99
26) 2,2-Dichloropropane	7.17	77	36063	20.509	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	24395	20.541	ug/l	99
28) Bromochloromethane	7.52	49	13263	20.101	ug/l	99
29) Tetrahydrofuran	7.54	42	16326	99.788	ug/l	98
30) Chloroform	7.68	83	39426	20.732	ug/l	99
31) Cyclohexane	7.96	56	38772	20.251	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	38178	21.333	ug/l	98
36) 1,1-Dichloropropene	8.09	75	33220	21.964	ug/l	99
37) Ethyl Acetate	7.26	43	11468	20.961	ug/l	99
38) Carbon Tetrachloride	8.07	117	33485	21.691	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	41708	20.600	ug/l	99
40) Benzene	8.33	78	88916	21.439	ug/l	97
41) Methacrylonitrile	7.49	41	6104	18.627	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	25343	21.864	ug/l	100
43) Isopropyl Acetate	8.43	43	21970	20.676	ug/l	100
44) Trichloroethene	9.09	130	25369	21.761	ug/l	93
45) 1,2-Dichloropropane	9.37	63	20500	21.241	ug/l	99
46) Dibromomethane	9.46	93	10955	21.844	ug/l	96
47) Bromodichloromethane	9.65	83	28921	21.923	ug/l	99
48) Methyl methacrylate	9.44	41	10903	19.770	ug/l	94
49) 1,4-Dioxane	9.45	88	3678	419.823	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	54375	103.841	ug/l	100
52) Toluene	10.39	92	63006	21.839	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	29100	21.941	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	34357	22.104	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	15530	21.770	ug/l	98
56) Ethyl methacrylate	10.65	69	20161	21.666	ug/l	96
57) 1,3-Dichloropropane	10.93	76	26266	21.809	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	43553	116.527	ug/l	99
59) 2-Hexanone	10.97	43	40334	106.255	ug/l	99
60) Dibromochloromethane	11.13	129	19128	21.817	ug/l	96
61) 1,2-Dibromoethane	11.24	107	15201	22.217	ug/l	97
64) Tetrachloroethene	10.87	164	21891	20.277	ug/l	95
65) Chlorobenzene	11.66	112	69823	21.157	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	21733	21.323	ug/l	99
67) Ethyl Benzene	11.73	91	127675	21.226	ug/l	96
68) m/p-Xylenes	11.84	106	101148	42.865	ug/l	99
69) o-Xylene	12.17	106	47276	21.444	ug/l	98
70) Styrene	12.18	104	76389	21.167	ug/l	98
71) Bromoform	12.35	173	10821	21.209	ug/l #	98
73) Isopropylbenzene	12.47	105	131038	21.436	ug/l	100
74) N-amyl acetate	12.27	43	23084	21.299	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	17226	21.698	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	11022m	18.939	ug/l	
77) Bromobenzene	12.75	156	27731	21.016	ug/l	99
78) n-propylbenzene	12.81	91	155882	21.404	ug/l	97
79) 2-Chlorotoluene	12.90	91	87799	21.348	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	110778	21.183	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	5616	20.799	ug/l	92
82) 4-Chlorotoluene	12.99	91	93130	21.286	ug/l	97
83) tert-Butylbenzene	13.21	119	97503	21.335	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	112213	21.021	ug/l	96
85) sec-Butylbenzene	13.39	105	137508	21.076	ug/l	99
86) p-Isopropyltoluene	13.51	119	122822	21.147	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	57432	21.202	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	57142	20.884	ug/l	98
89) n-Butylbenzene	13.83	91	114789	21.150	ug/l	99
90) Hexachloroethane	14.10	117	17936	20.265	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	51453	21.942	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3147	20.462	ug/l	99

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ClientSampleId :
VW1205SBSD01

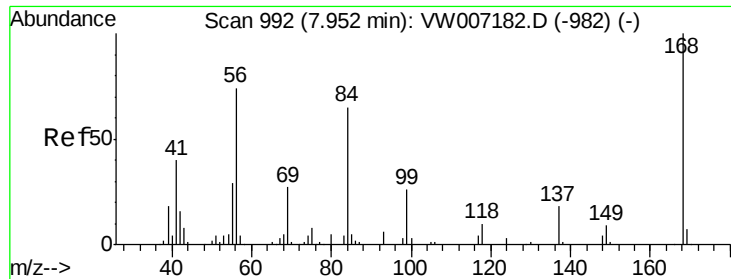
Manual Integrations
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12/6/2018 12:55:53 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	33876	20.845	ug/l	98
94) Hexachlorobutadiene	15.24	225	18151	20.712	ug/l	97
95) Naphthalene	15.38	128	59755	20.517	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	27454	20.035	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

Tgt Ion:168 Resp: 103623

Ion Ratio Lower Upper

168 100

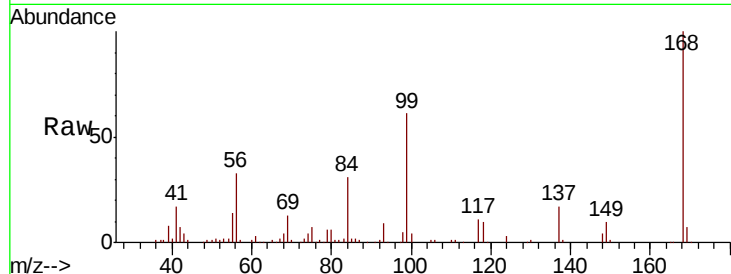
99 60.7 47.8 71.8

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

50000

40000

30000

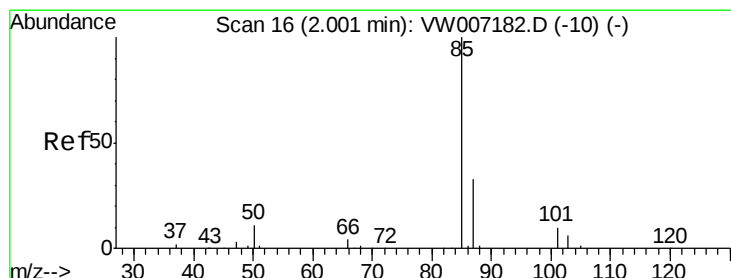
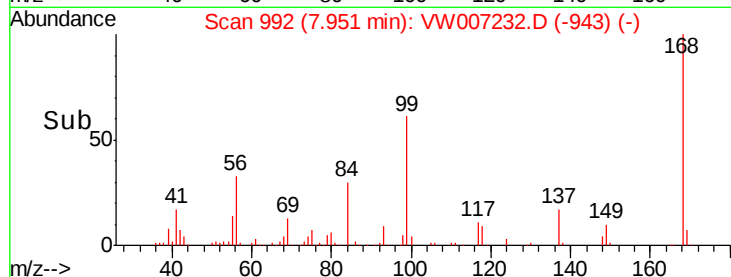
20000

10000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.394 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007232.D

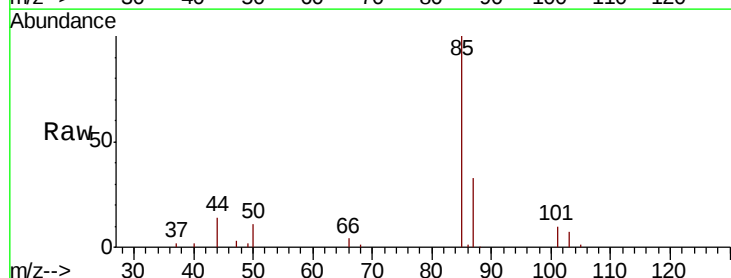
Acq: 05 Dec 2018 15:47

Tgt Ion: 85 Resp: 25388

Ion Ratio Lower Upper

85 100

87 33.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

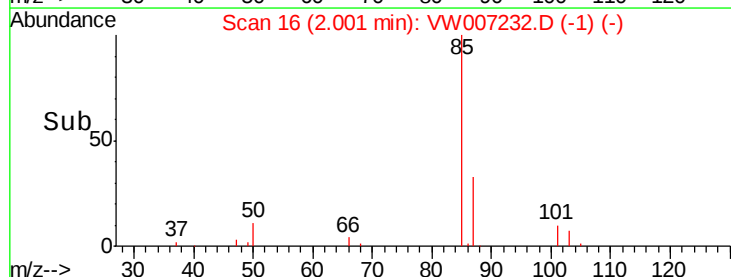
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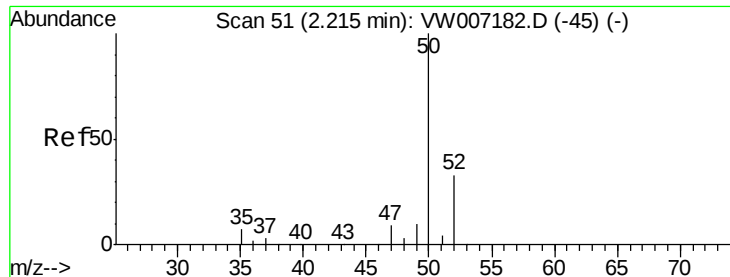
5000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.962 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

Tgt Ion: 50 Resp: 28660

Ion Ratio Lower Upper

50 100

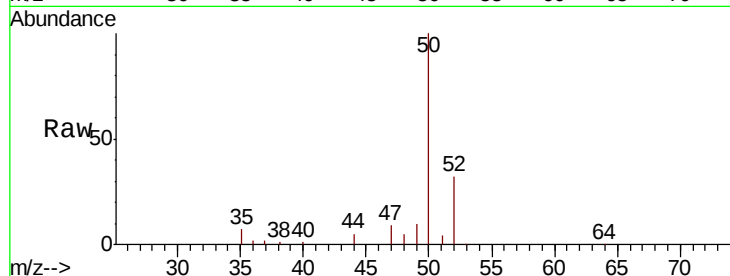
52 32.0 26.2 39.2

Manual Integrations

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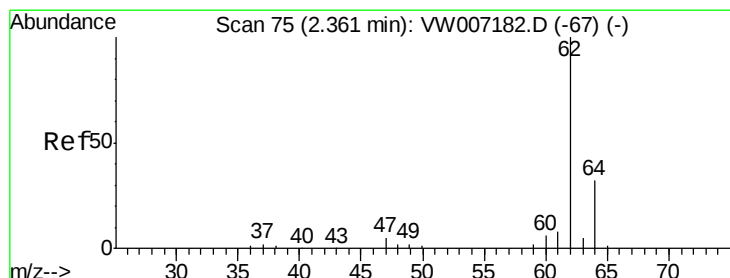
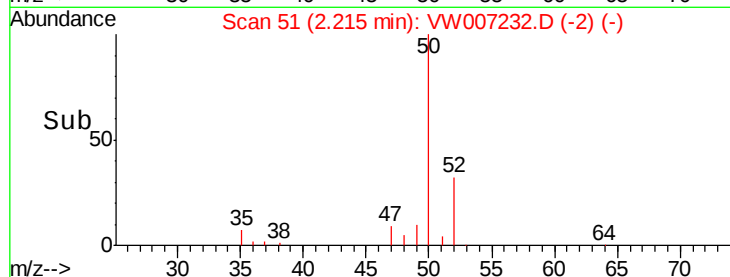
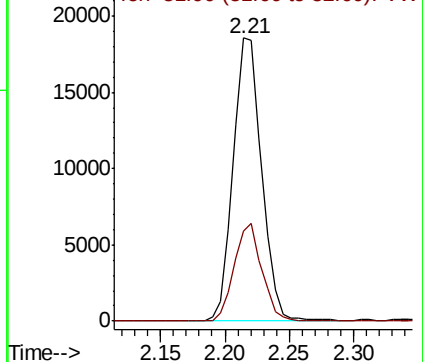
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.245 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007232.D

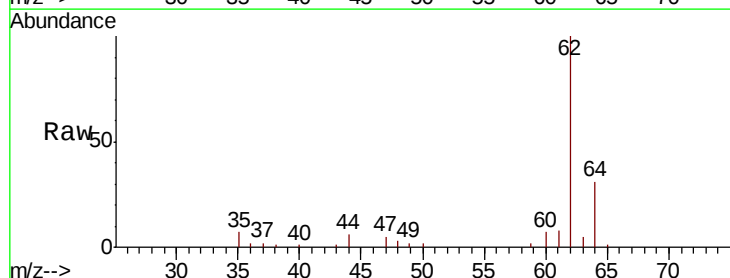
Acq: 05 Dec 2018 15:47

Tgt Ion: 62 Resp: 19098

Ion Ratio Lower Upper

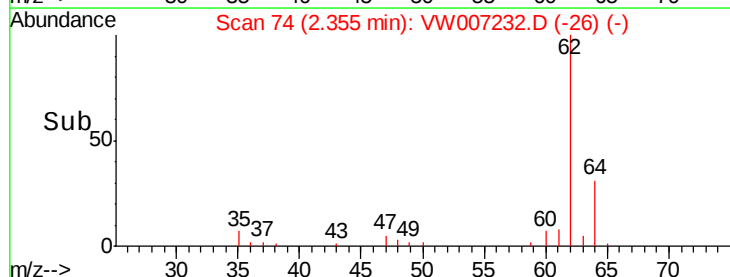
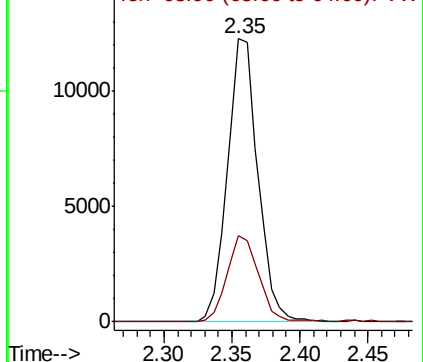
62 100

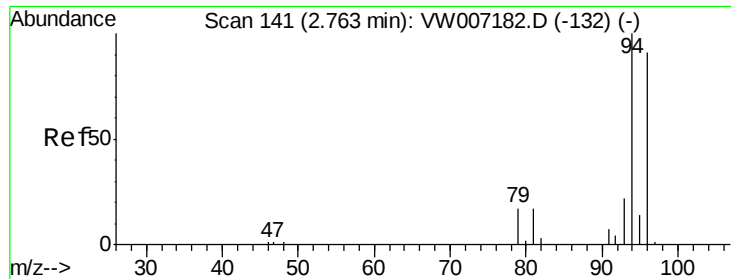
64 30.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 26.109 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBSD01

Tgt Ion: 94 Resp: 11761

Ion Ratio Lower Upper

94 100

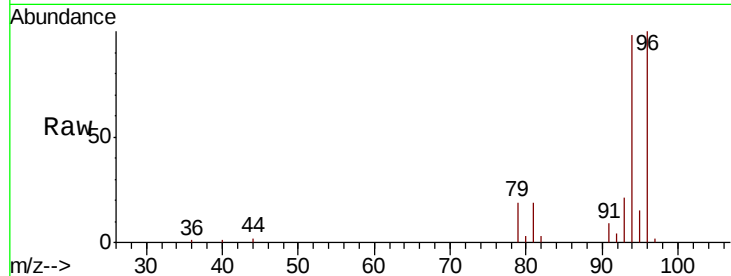
96 101.8 72.8 109.2

Manual Integrations

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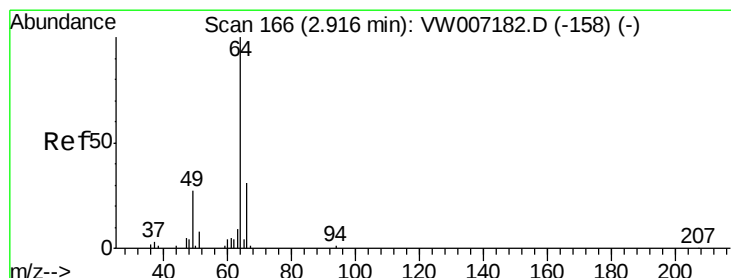
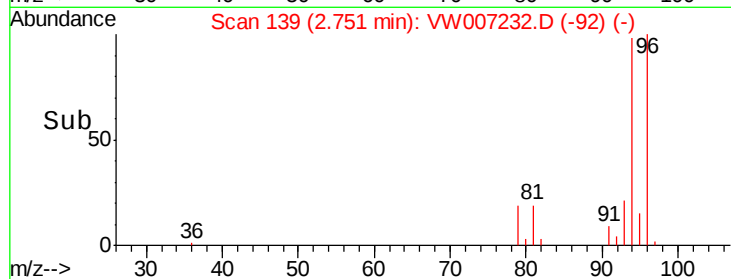
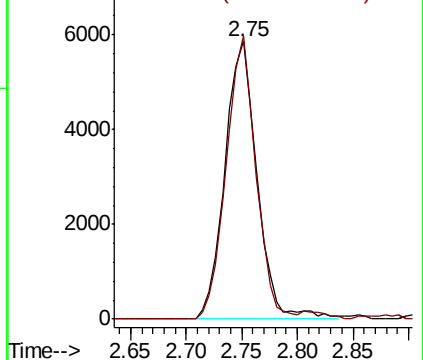
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.810 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007232.D

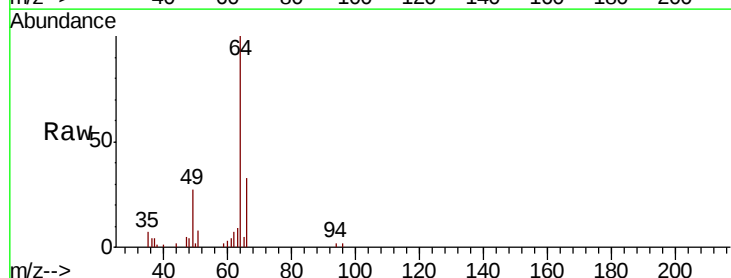
Acq: 05 Dec 2018 15:47

Tgt Ion: 64 Resp: 10496

Ion Ratio Lower Upper

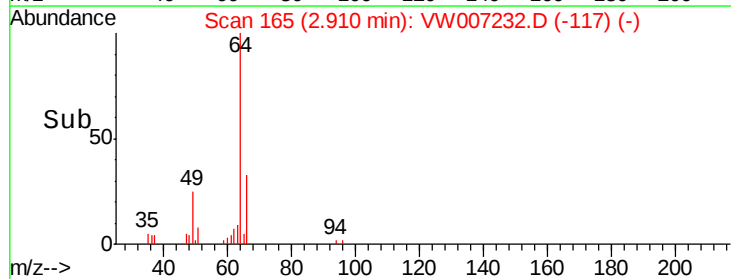
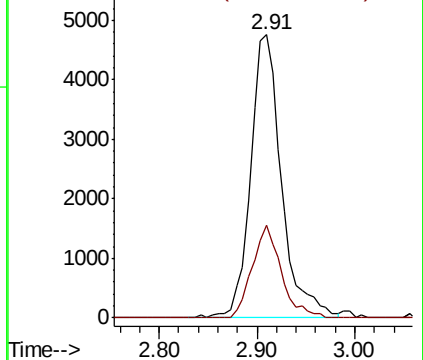
64 100

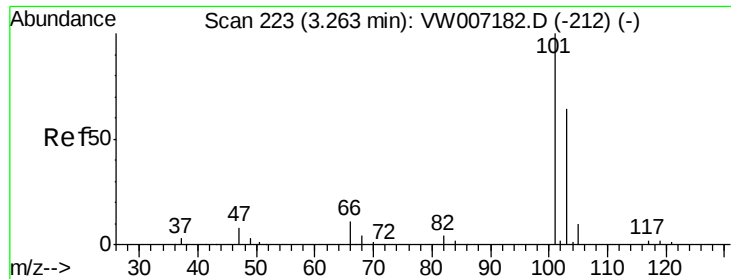
66 32.8 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

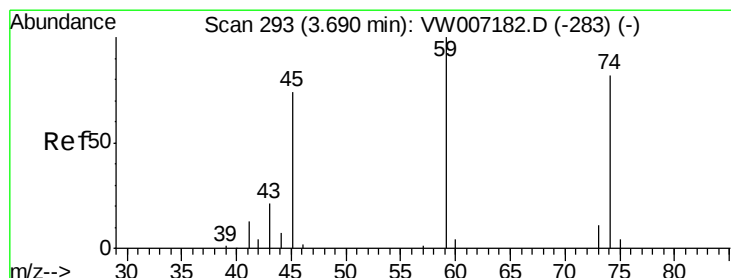
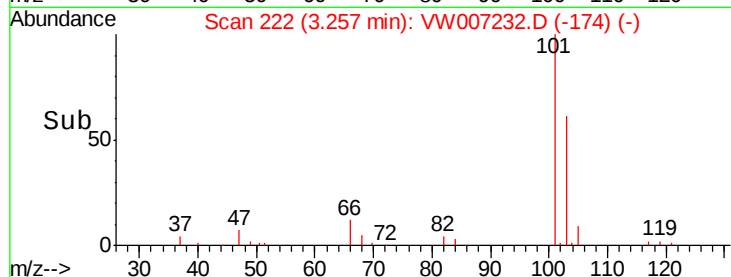
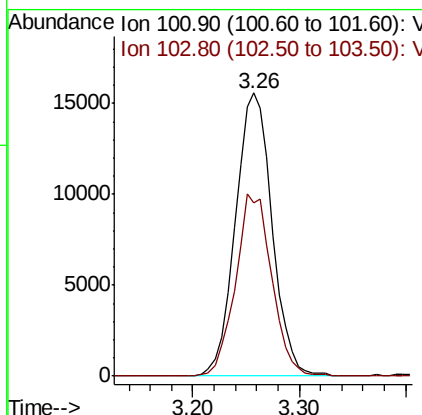
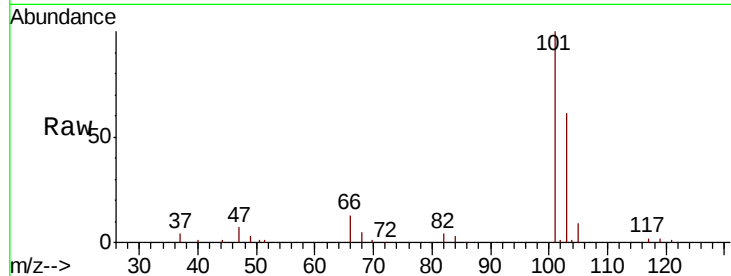
Trichlorofluoromethane
 Concen: 21.410 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tgt Ion: 101 Resp: 37523
 Ion Ratio Lower Upper
 101 100
 103 61.1 50.9 76.3

Manual Integrations
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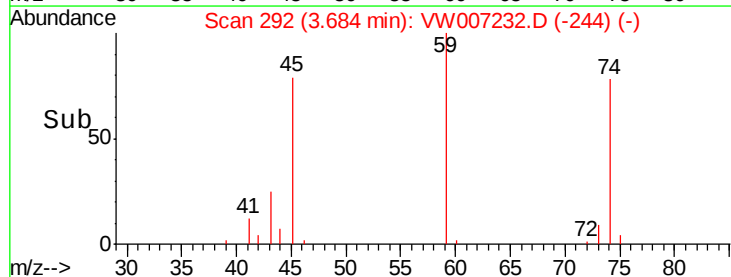
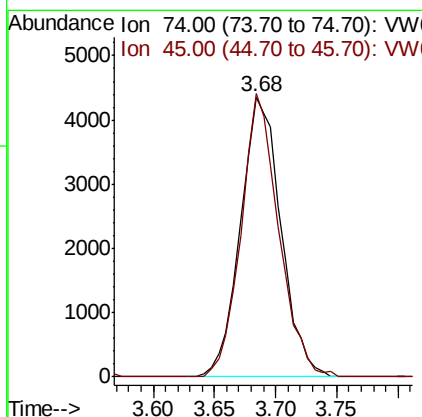
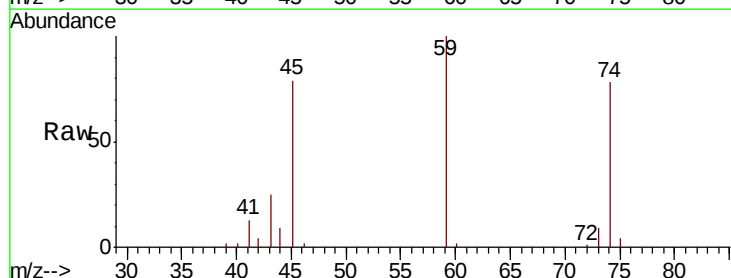
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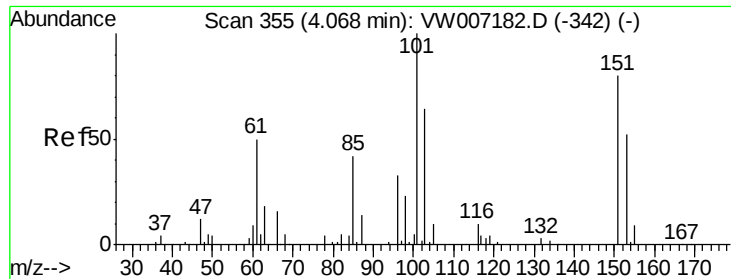


#8

Diethyl Ether
 Concen: 20.497 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion: 74 Resp: 10013
 Ion Ratio Lower Upper
 74 100
 45 94.1 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.891 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

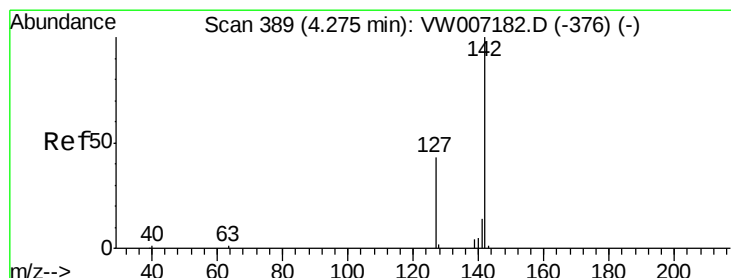
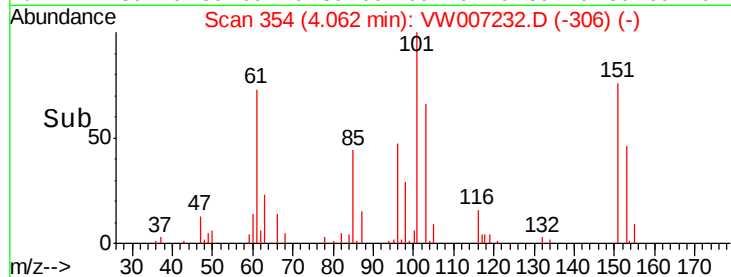
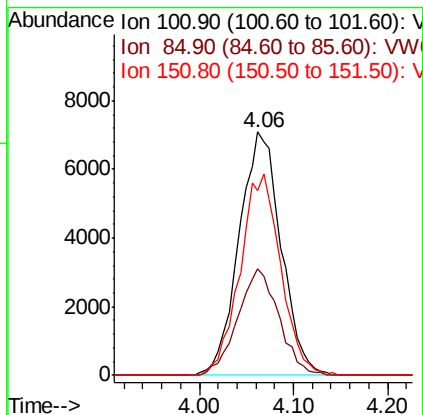
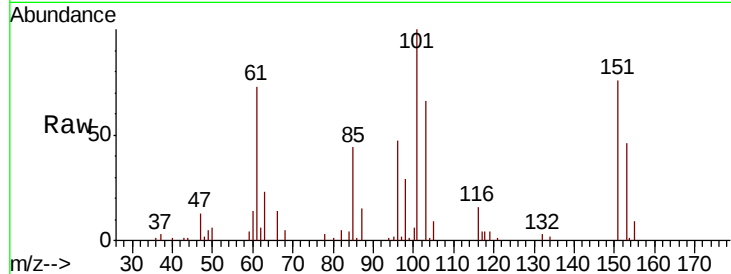
ClientSampleId :

VW1205SBS01

Tgt Ion:	101	Resp:	22117
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.4	50.2
151	80.0	63.9	95.9

Manual Integrations
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#10

Methyl Iodide

Concen: 14.787 ug/l

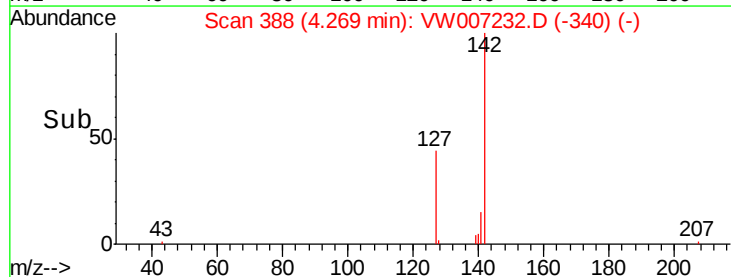
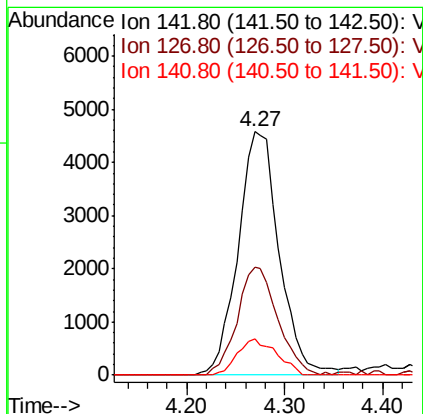
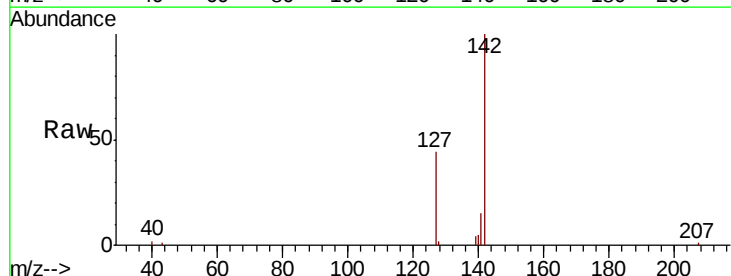
RT: 4.27 min Scan# 388

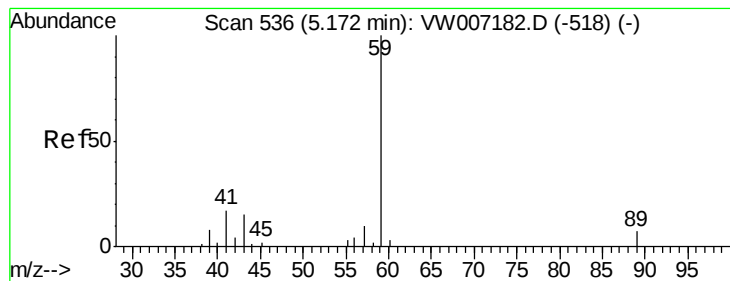
Delta R.T. -0.01 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Tgt Ion:	142	Resp:	13336
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.9	52.3
141	14.1	11.7	17.5





#11

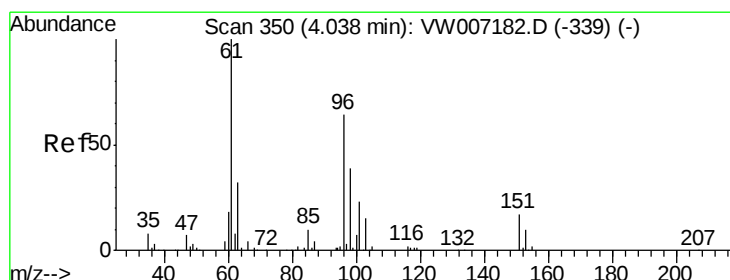
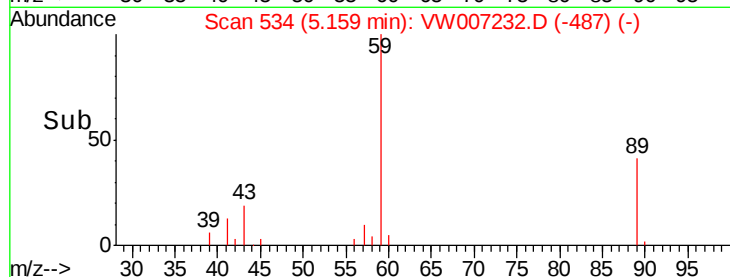
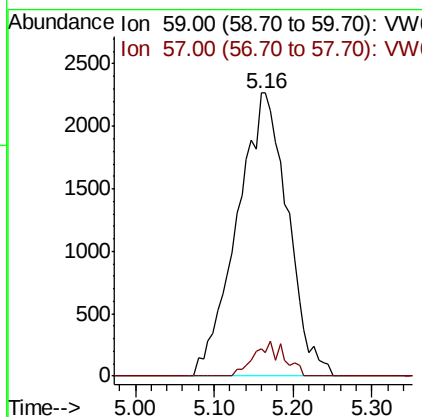
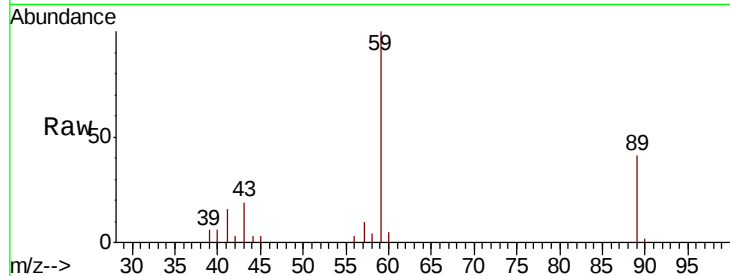
Tert butyl alcohol
 Concen: 98.462 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.2	7.1	10.7

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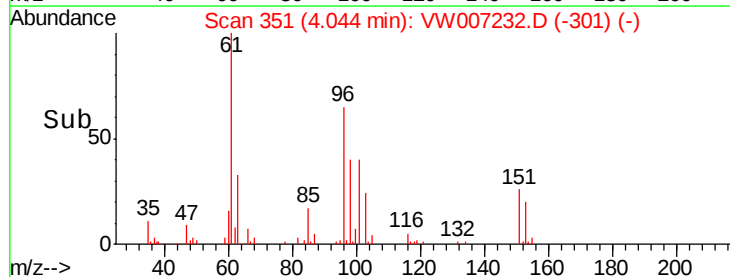
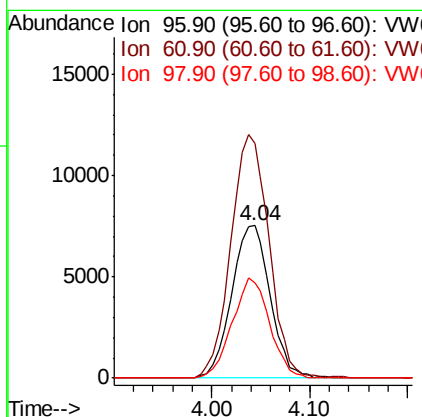
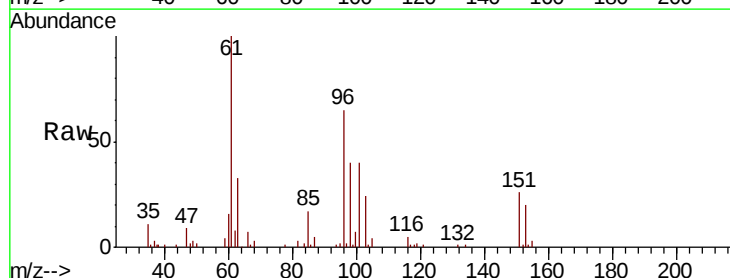
apatel
 12/6/2018 12:55:53 PM

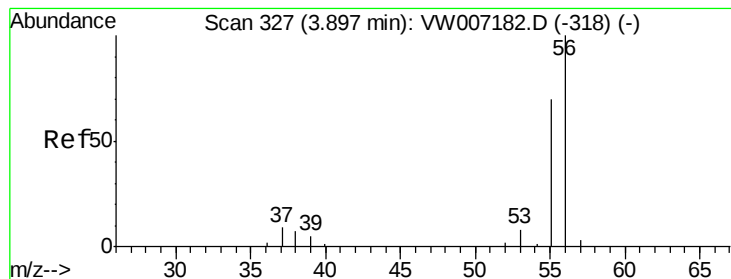


#12

1,1-Dichloroethene
 Concen: 20.743 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	124.1	186.1
98	62.3	48.6	72.8





#13

Acrolein

Concen: 101.714 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

Tgt Ion: 56 Resp: 6876

Ion Ratio Lower Upper

56 100

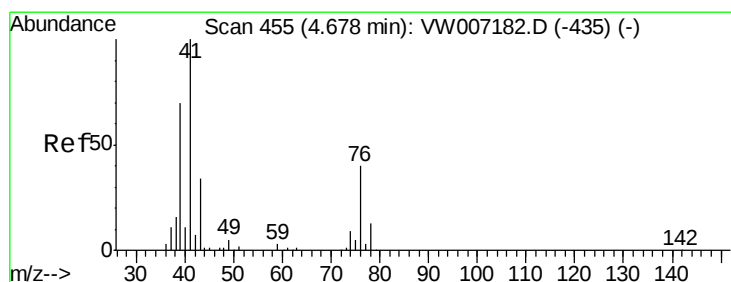
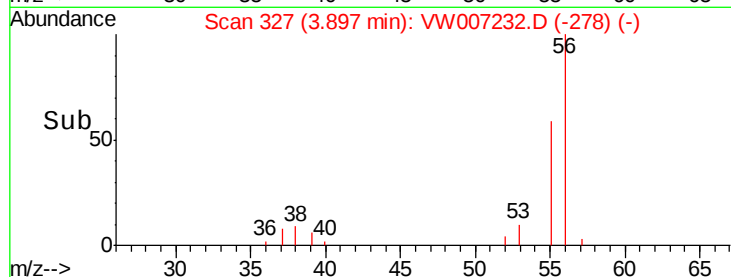
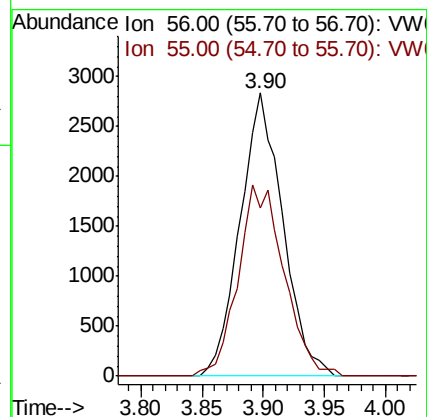
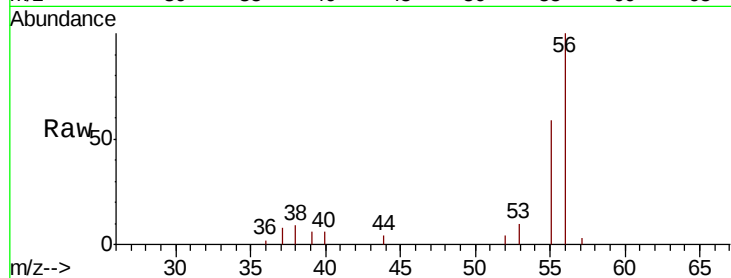
55 72.6 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 19.833 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

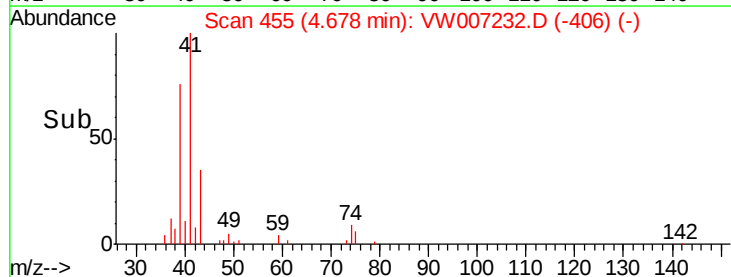
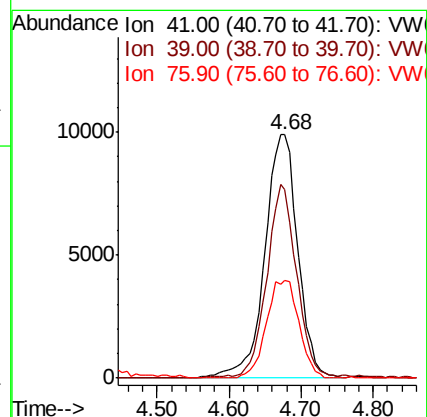
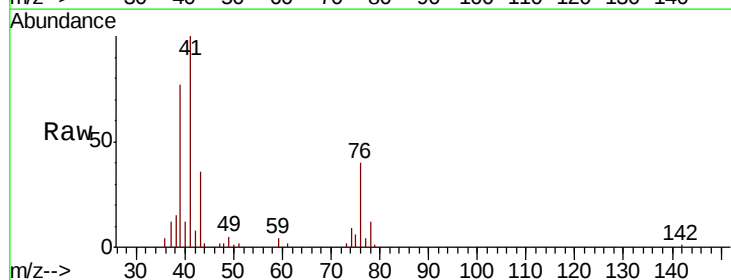
Tgt Ion: 41 Resp: 31542

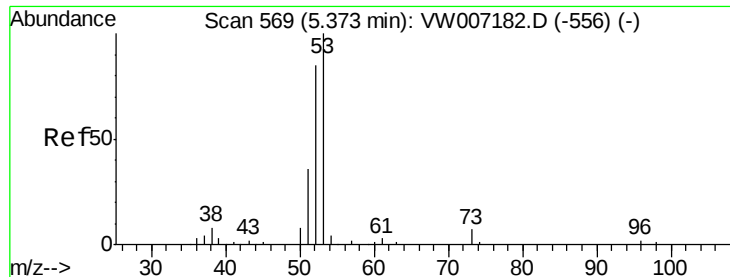
Ion Ratio Lower Upper

41 100

39 70.6 55.9 83.9

76 39.4 30.8 46.2





#15

Acrylonitrile

Concen: 103.078 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

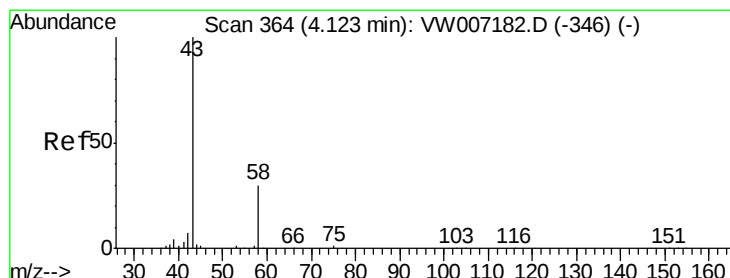
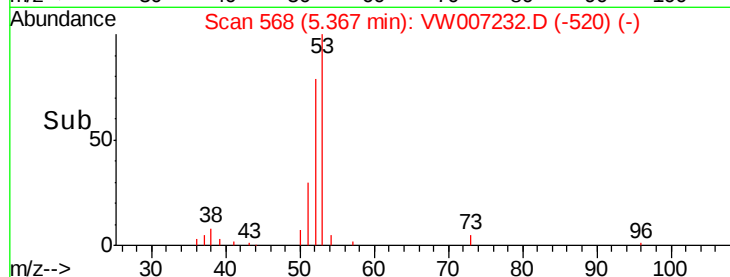
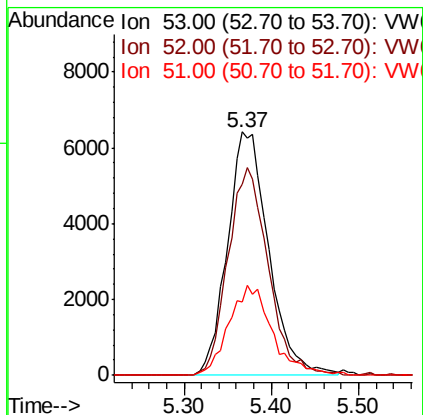
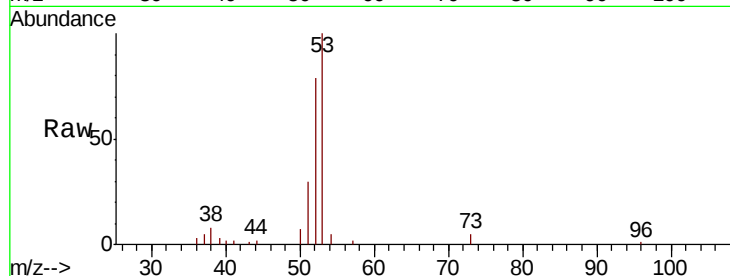
ClientSampleId :

VW1205SBS01

Tgt Ion:	53	Resp:	21051
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.1	99.1
51	38.9	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 96.880 ug/l

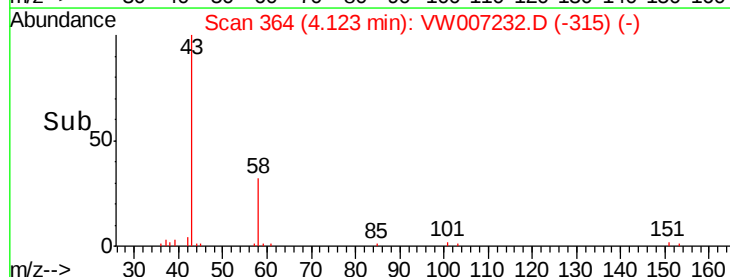
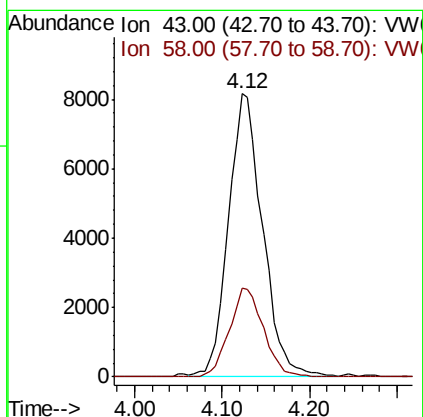
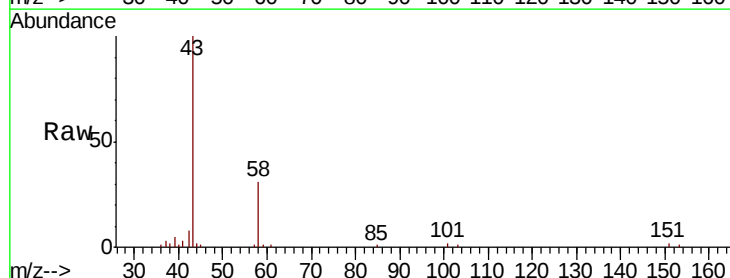
RT: 4.12 min Scan# 364

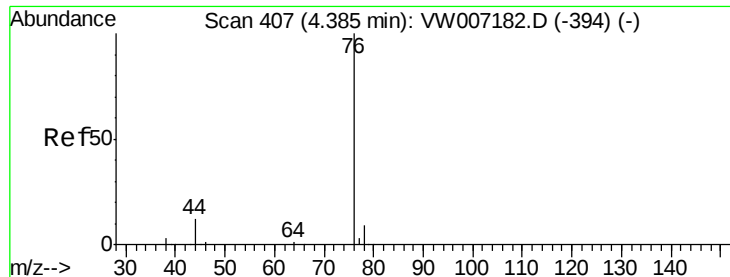
Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Tgt Ion:	43	Resp:	22127
Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.8	35.8





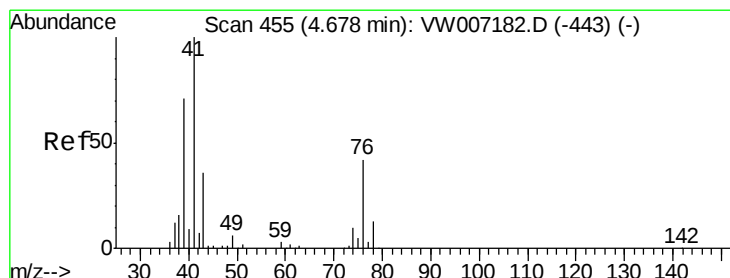
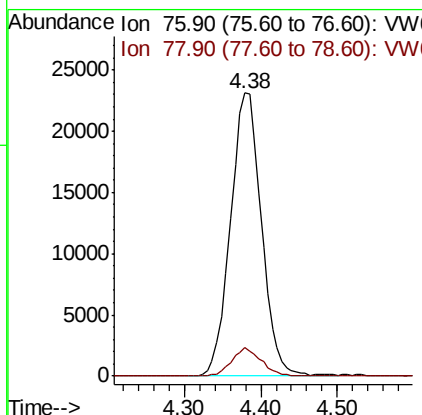
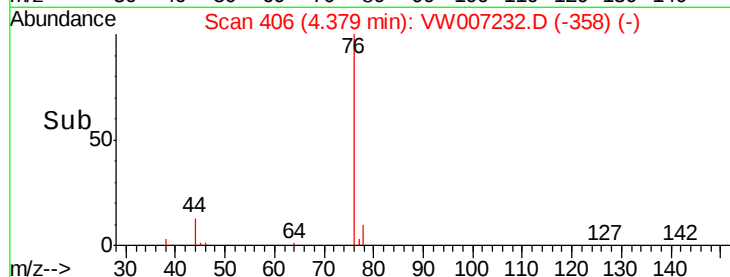
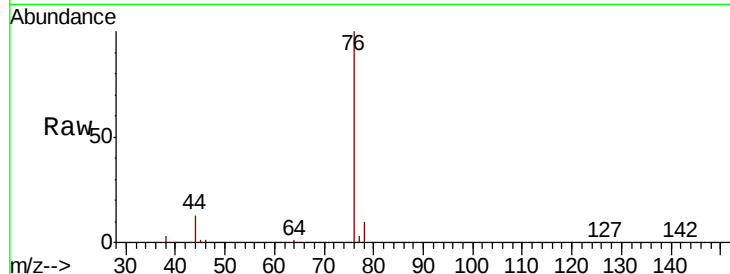
#17
Carbon Disulfide
Concen: 19.863 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBSD01

Tgt Ion: 76 Resp: 64962
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8

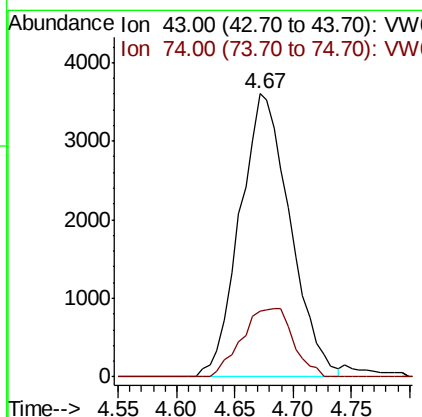
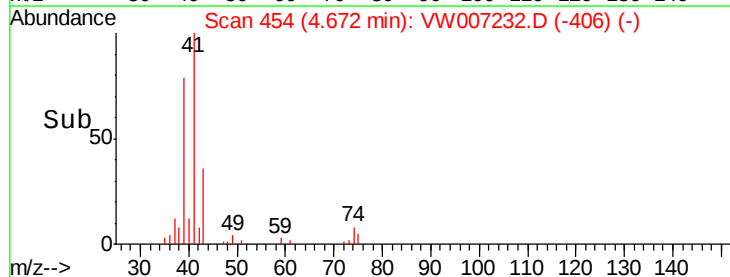
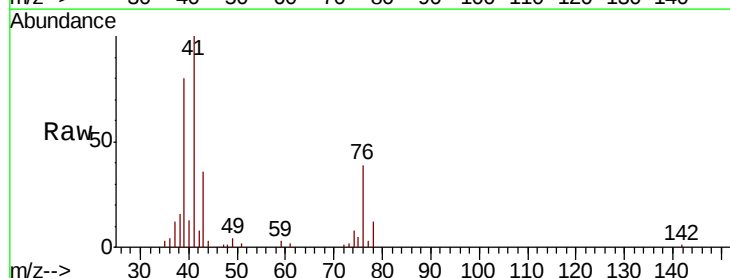
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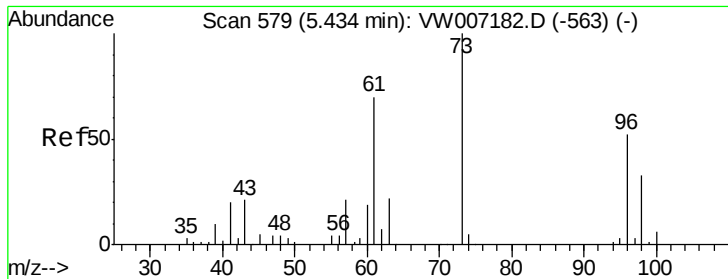
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#18
Methyl Acetate
Concen: 20.718 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion: 43 Resp: 10801
Ion Ratio Lower Upper
43 100
74 24.4 20.1 30.1





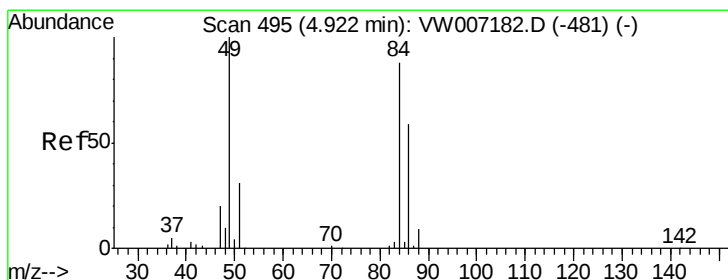
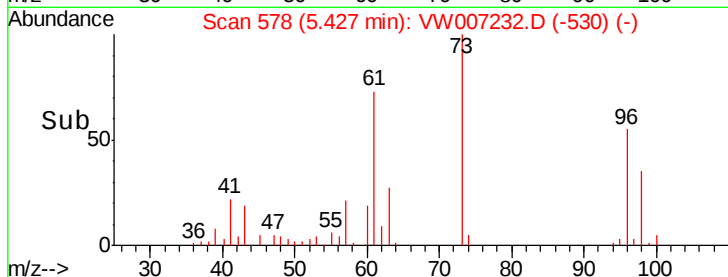
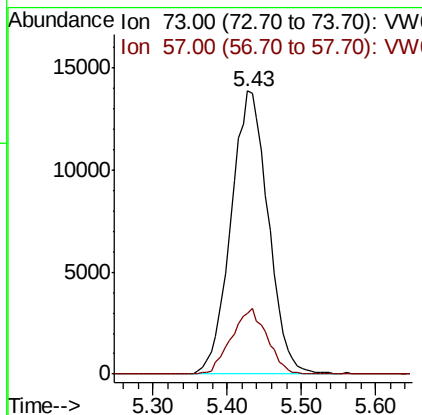
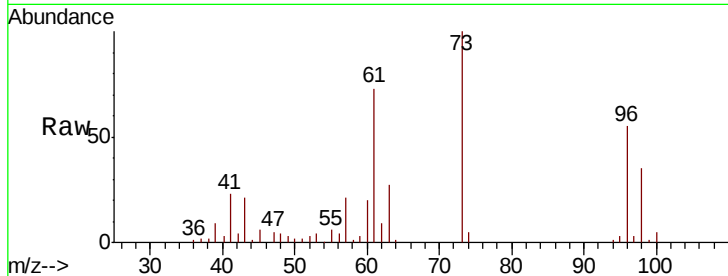
#19
Methyl tert-butyl Ether
Concen: 20.811 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion: 73 Resp: 48614
Ion Ratio Lower Upper
73 100
57 21.4 16.6 25.0

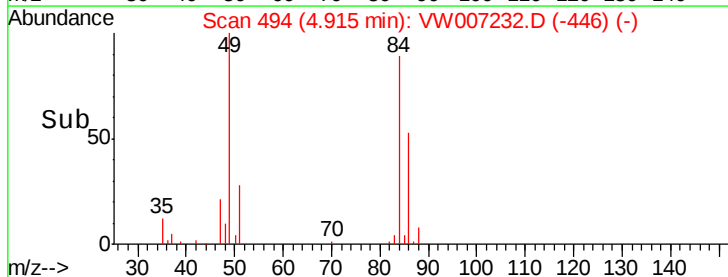
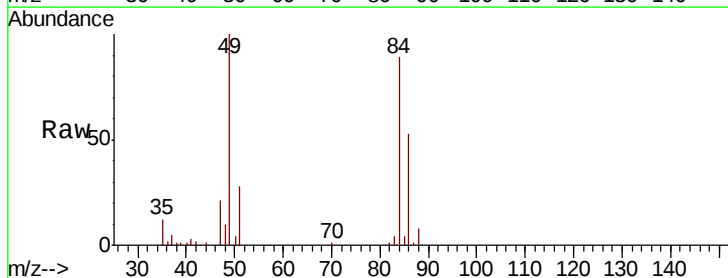
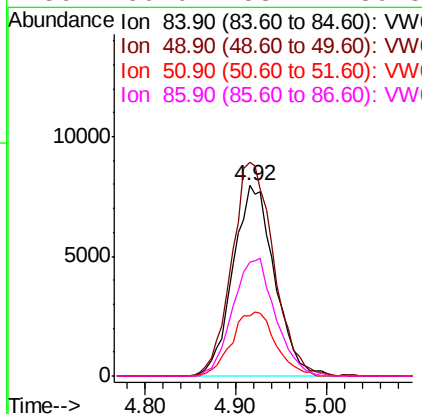
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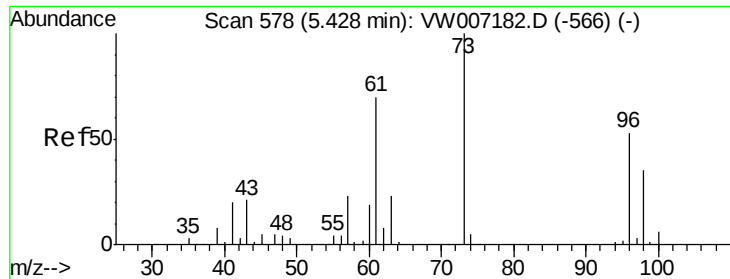
apatel
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#20
Methylene Chloride
Concen: 18.662 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion: 84 Resp: 25224
Ion Ratio Lower Upper
84 100
49 112.3 90.6 135.8
51 31.3 27.6 41.4
86 60.0 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 20.466 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

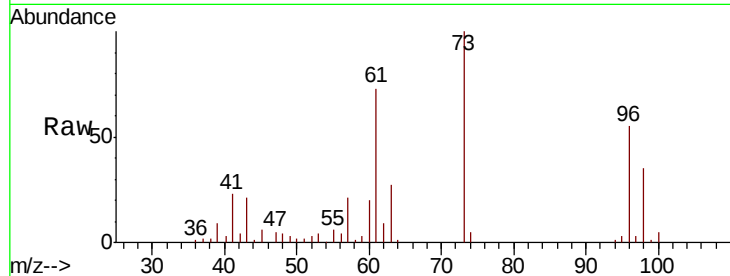
ClientSampleId :

VW1205SBS01

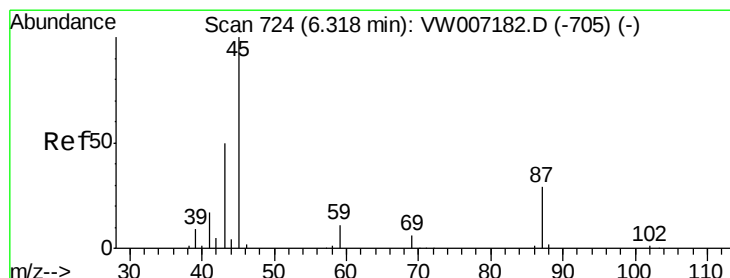
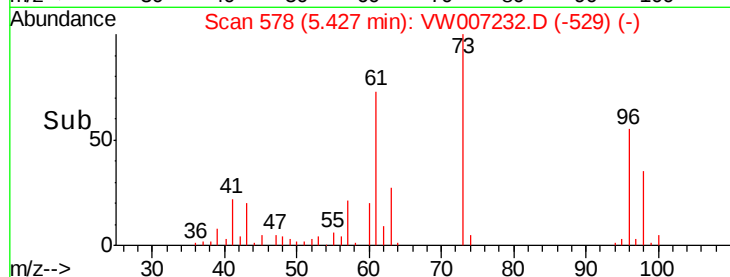
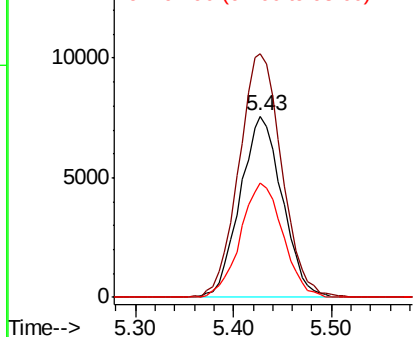
Tgt Ion:	96	Resp:	22673
Ion	Ratio	Lower	Upper
96	100		
61	134.1	105.5	158.3
98	63.3	52.6	79.0

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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



#22

Diisopropyl ether

Concen: 20.829 ug/l

RT: 6.31 min Scan# 723

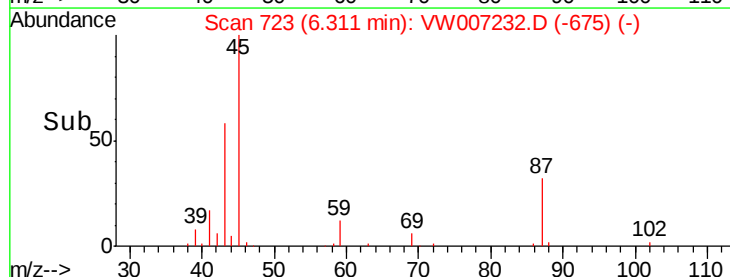
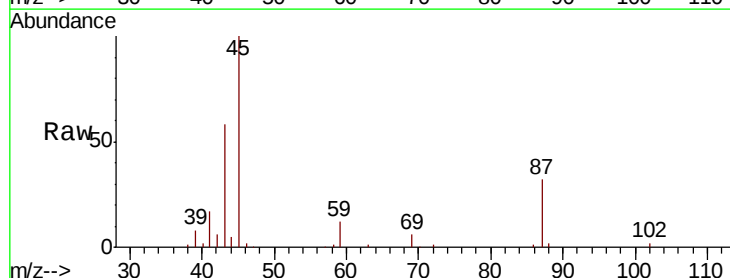
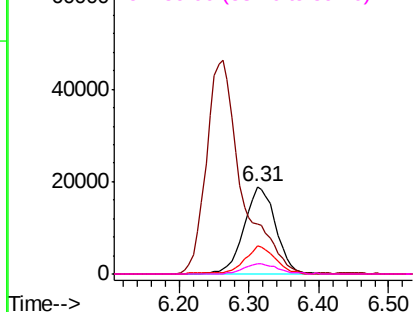
Delta R.T. -0.01 min

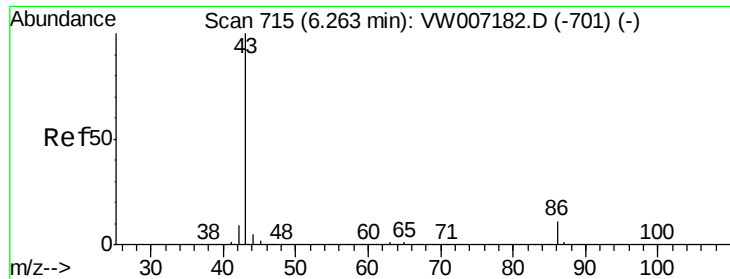
Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Tgt Ion:	45	Resp:	59464
Ion	Ratio	Lower	Upper
45	100		
43	56.5	40.8	61.2
87	31.6	24.0	36.0
59	11.6	9.1	13.7

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: 103.786 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

ClientSampleID :

VW1205SBSD01

Tgt Ion: 43 Resp: 161676

Ion Ratio Lower Upper

43 100

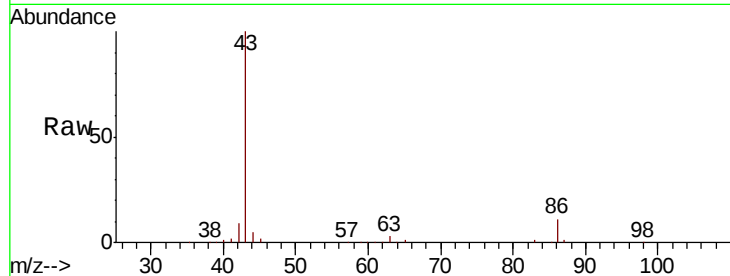
86 10.8 9.0 13.6

Manual Integrations

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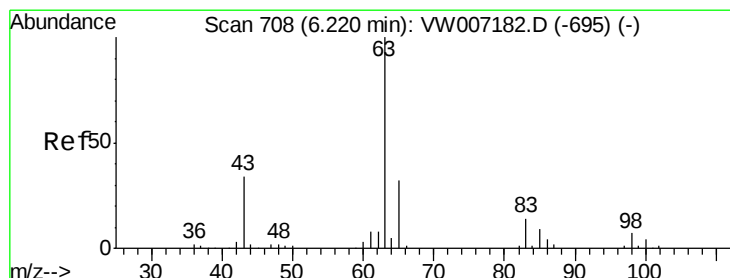
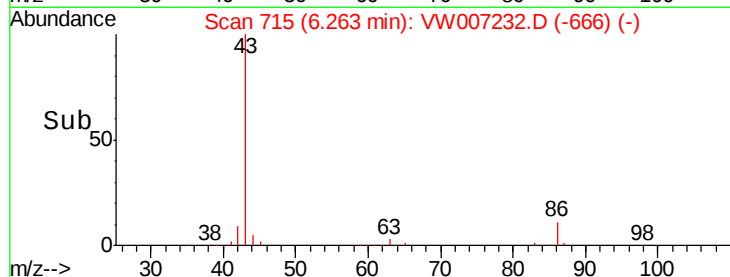
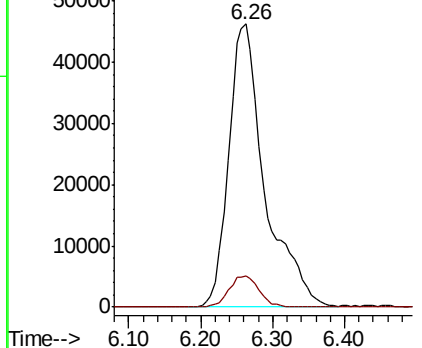
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.634 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

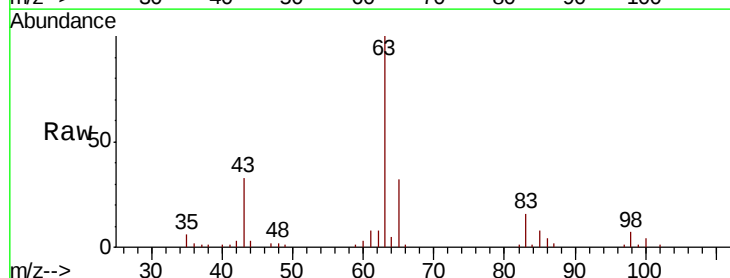
Tgt Ion: 63 Resp: 37757

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

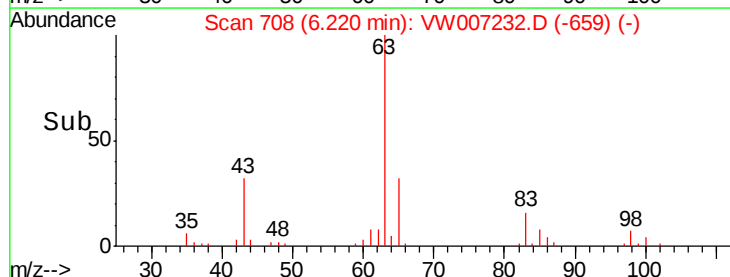
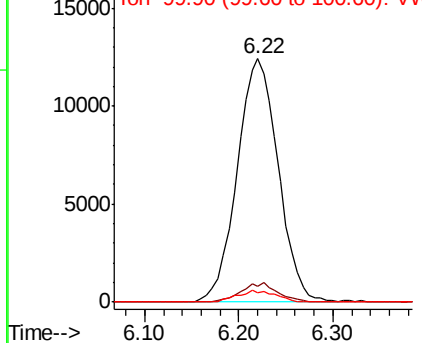
100 4.1 2.1 6.2

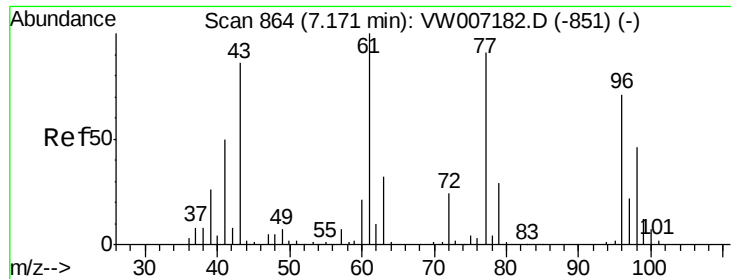


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 97.086 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

Tgt Ion: 43 Resp: 25704

Ion Ratio Lower Upper

43 100

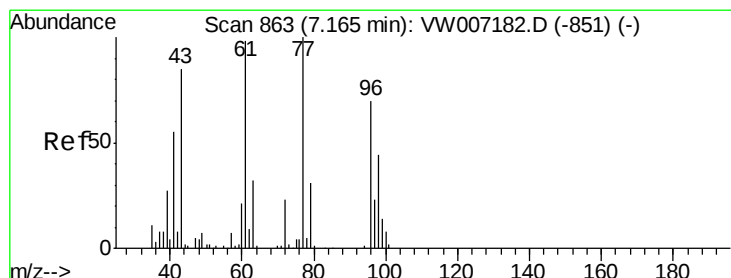
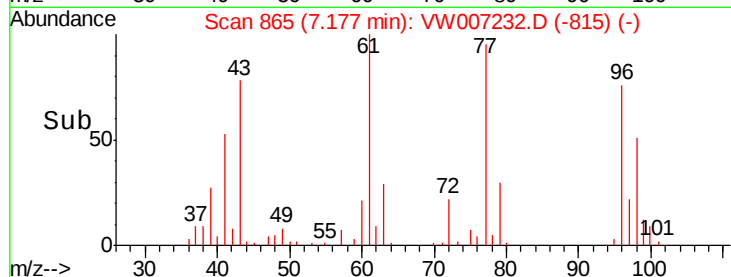
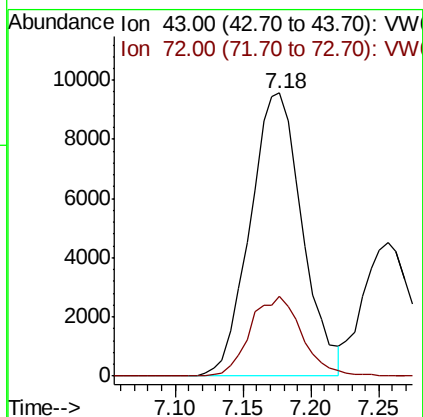
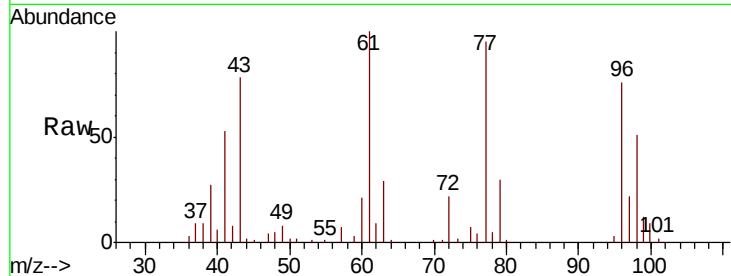
72 28.2 22.8 34.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.509 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007232.D

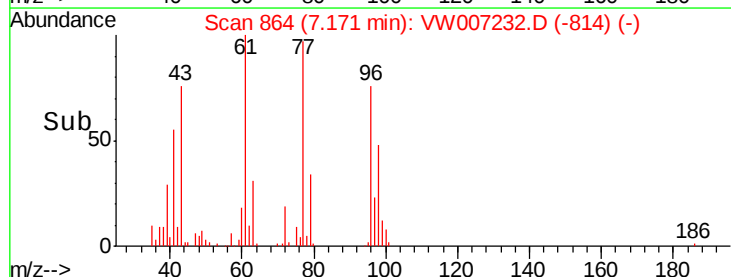
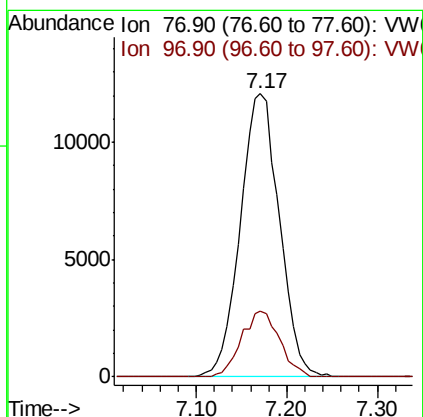
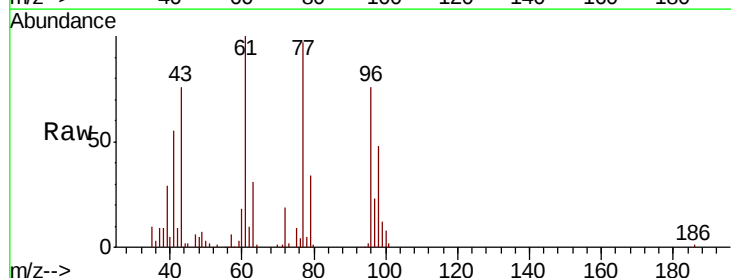
Acq: 05 Dec 2018 15:47

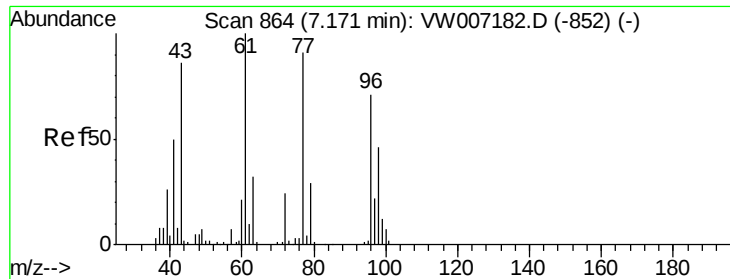
Tgt Ion: 77 Resp: 36063

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.4





#27

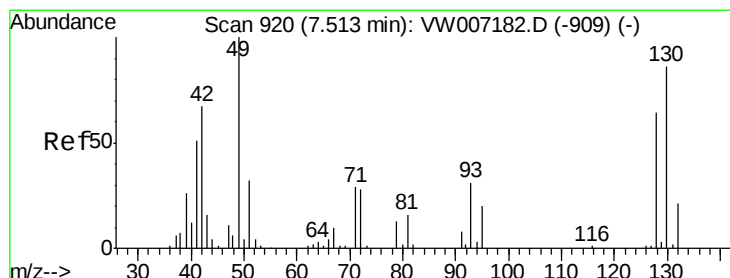
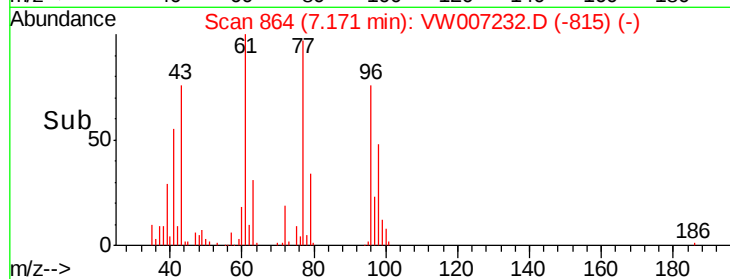
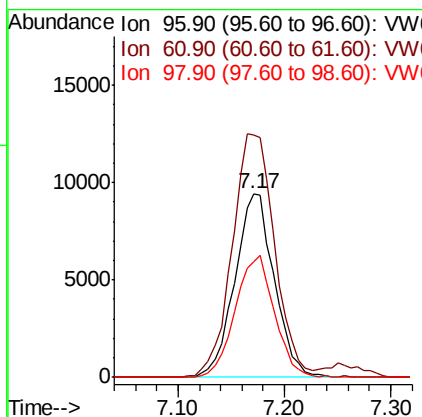
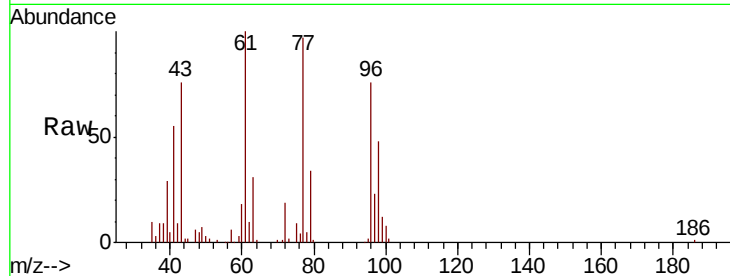
cis-1,2-Dichloroethene
Concen: 20.541 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	24395		
61	142.7	0.0	282.4	
98	66.1	0.0	129.8	

Manual Integrations
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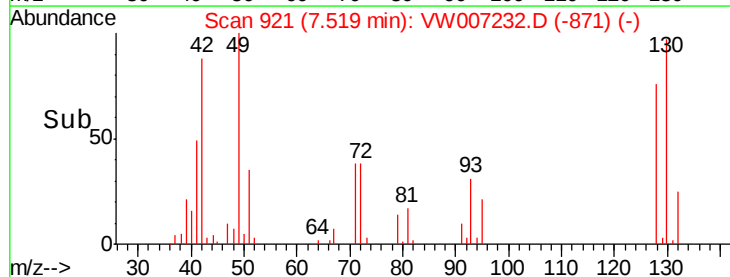
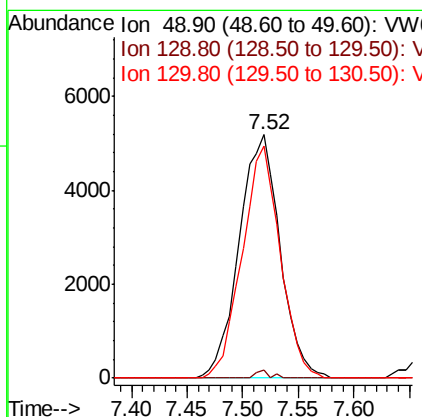
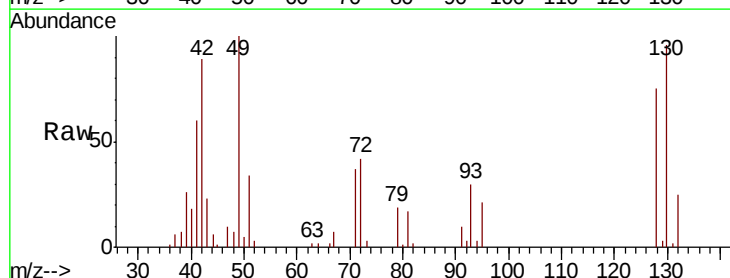
apatel
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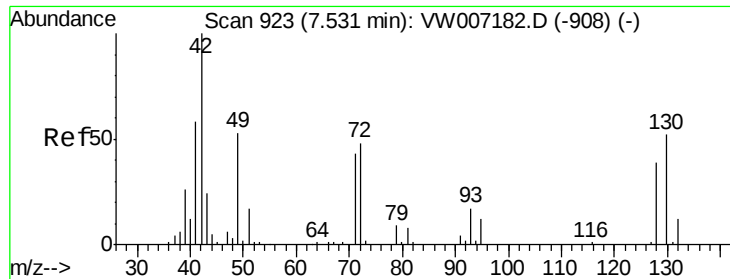


#28

Bromochloromethane
Concen: 20.101 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	13263		
129	1.0	0.0	3.8	
130	88.6	70.3	105.5	





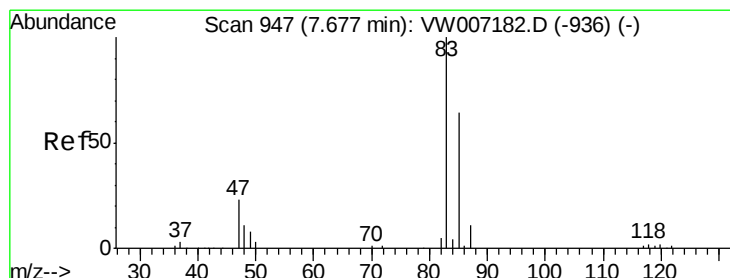
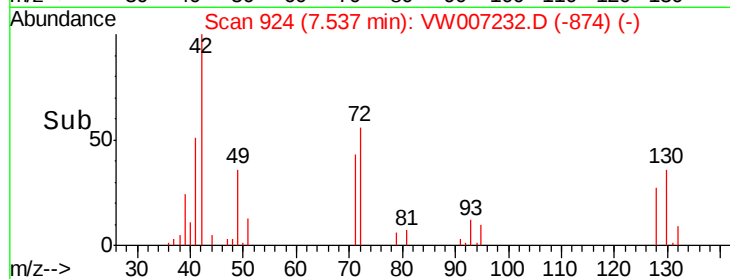
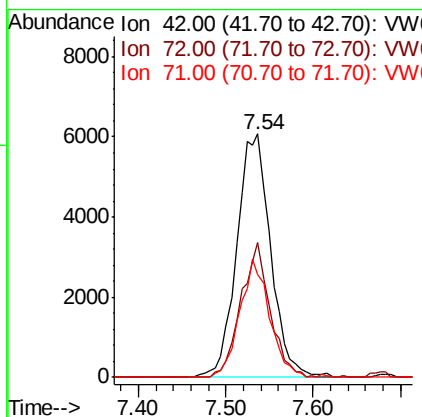
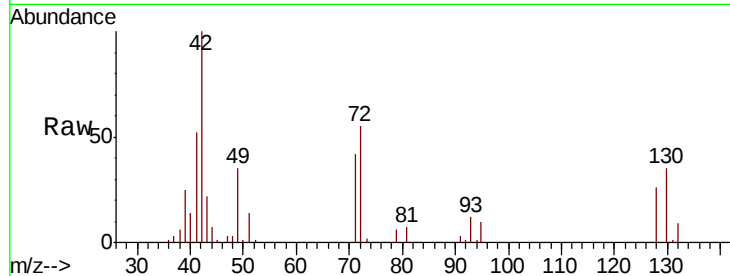
#29
Tetrahydrofuran
Concen: 99.788 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.6	36.6	55.0
71	42.6	34.8	52.2

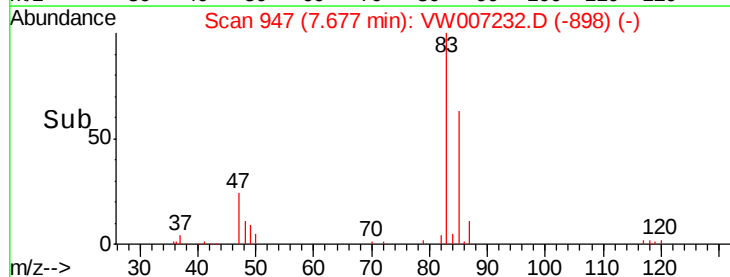
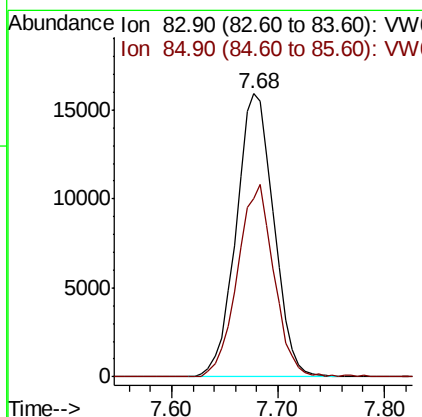
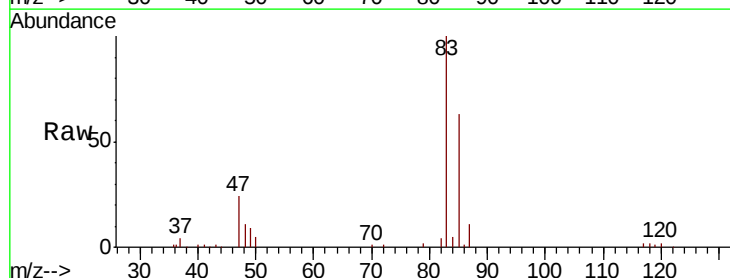
Manual Integrations
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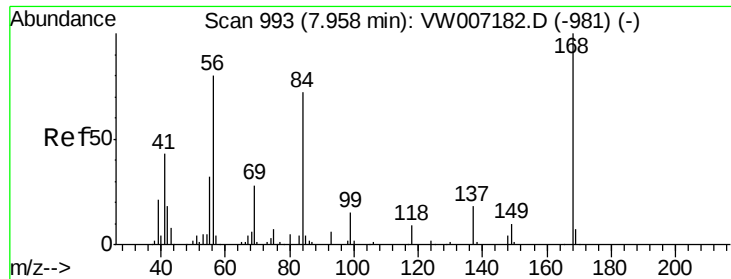
apatel
12/6/2018 12:55:53 PM



#30
Chloroform
Concen: 20.732 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.5	77.3





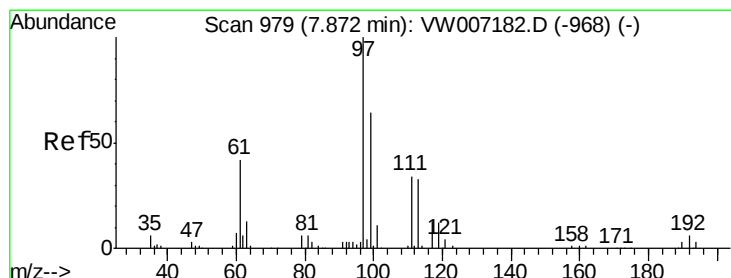
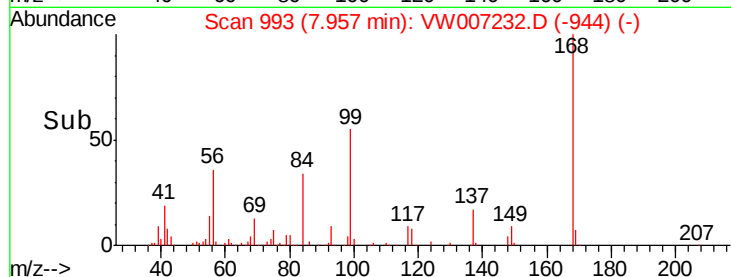
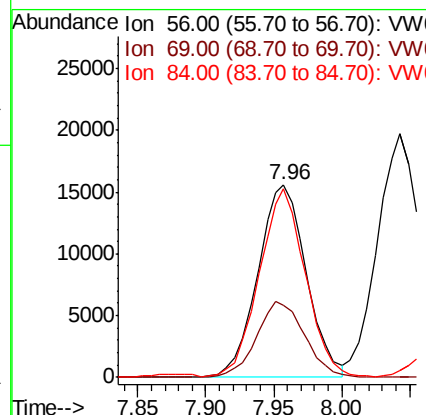
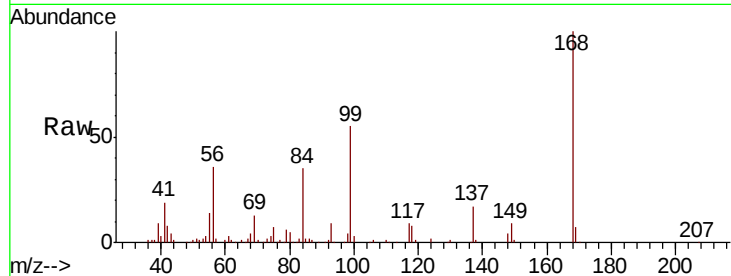
#31
Cyclohexane
Concen: 20.251 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.6	28.2	42.2
84	96.7	72.1	108.1

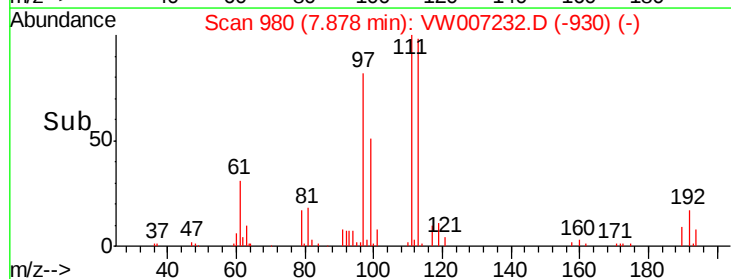
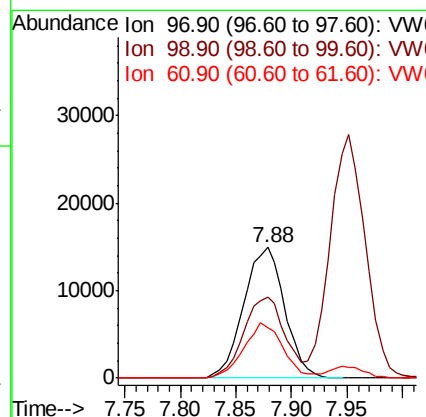
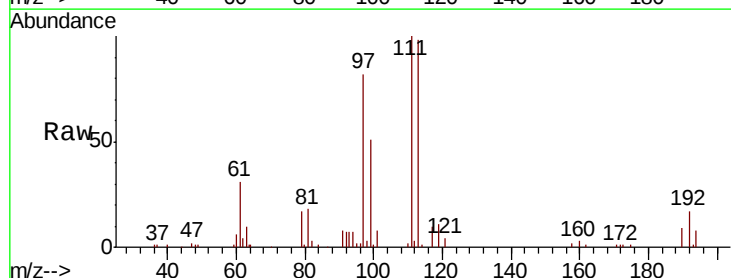
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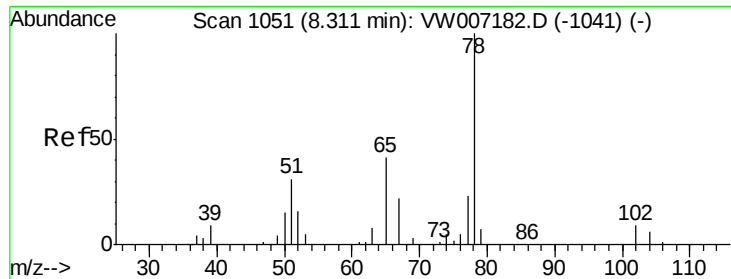
apatel
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#32
1,1,1-Trichloroethane
Concen: 21.333 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.3	76.9
61	40.3	33.2	49.8





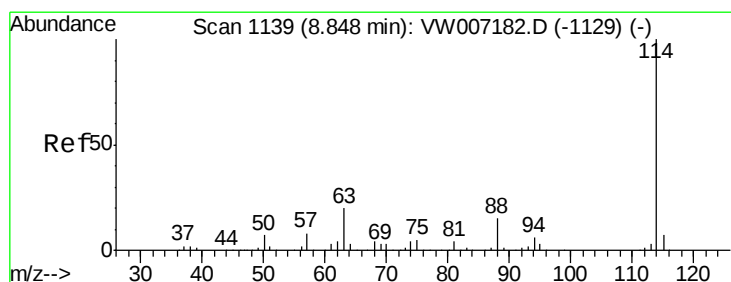
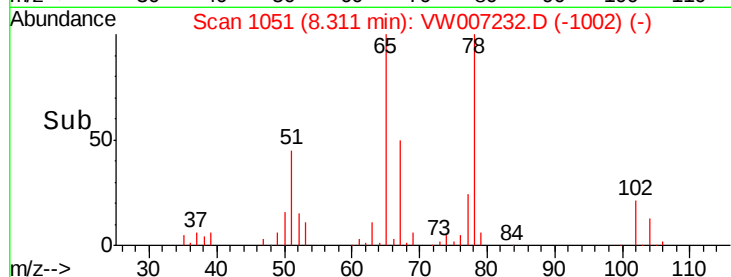
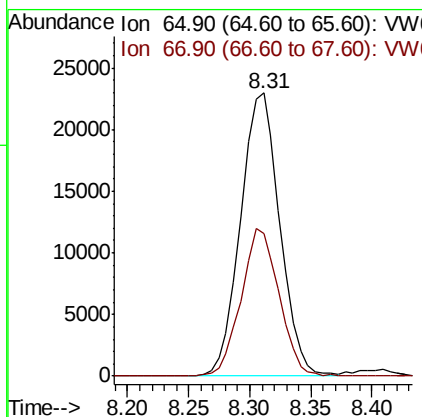
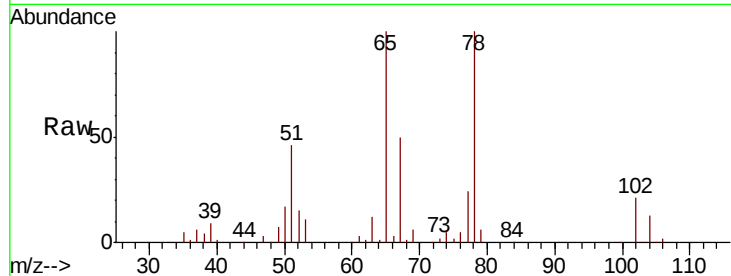
#33
 1,2-Dichloroethane-d4
 Concen: 53.164 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1205SBS01

Tgt Ion: 65 Resp: 51291
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.4

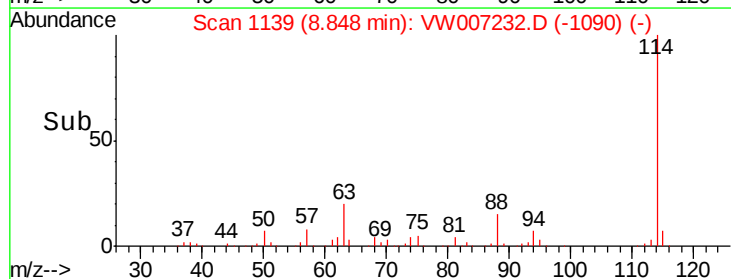
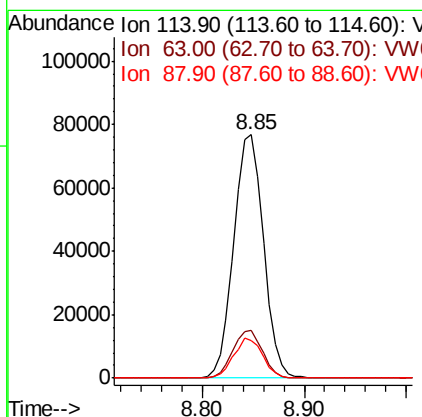
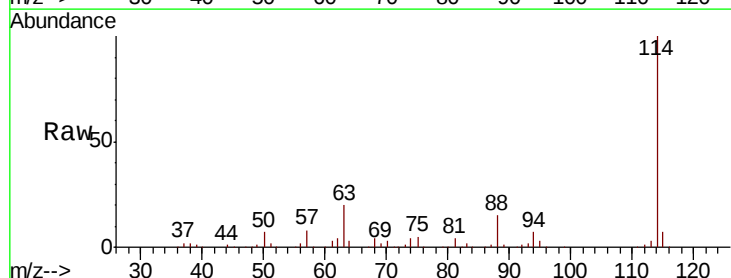
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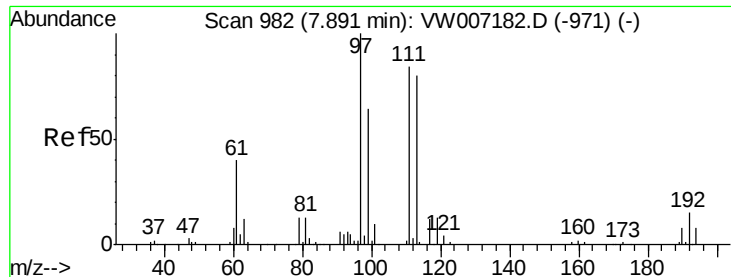
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion: 114 Resp: 155441
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.2
 88 15.4 0.0 30.0





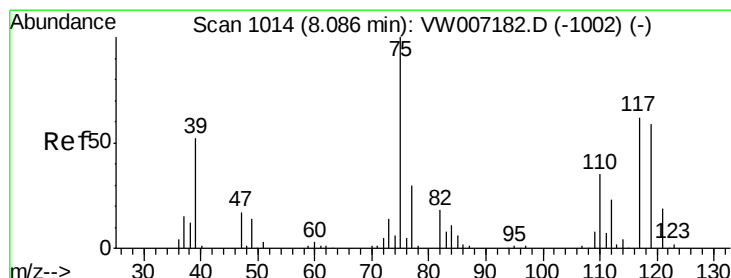
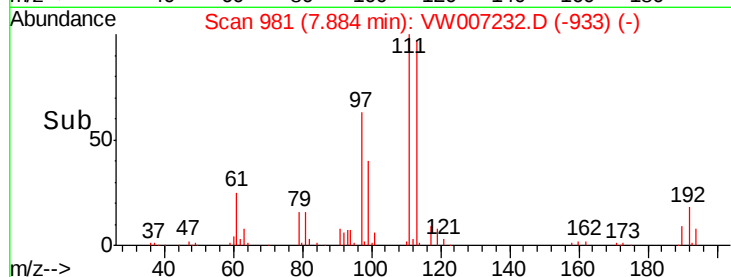
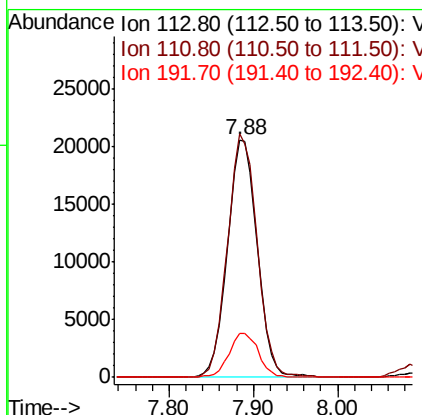
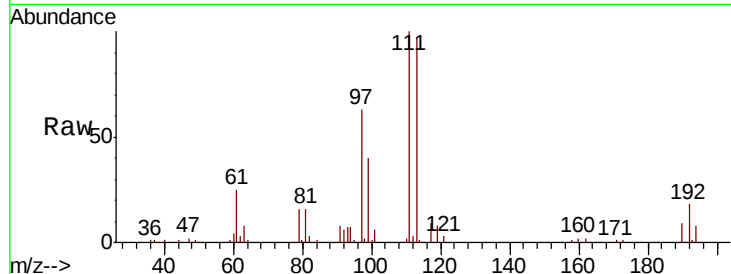
#35
 Dibromofluoromethane
 Concen: 55.362 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	49275		
111	102.1	82.2	123.4	
192	18.2	14.4	21.6	

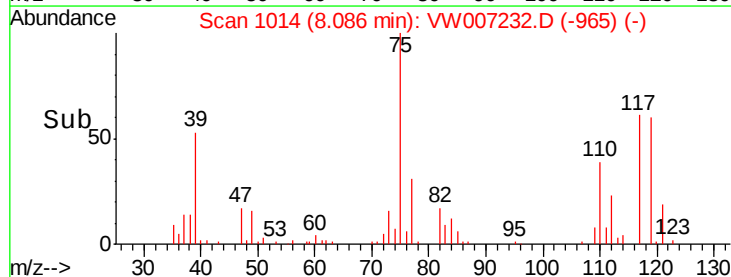
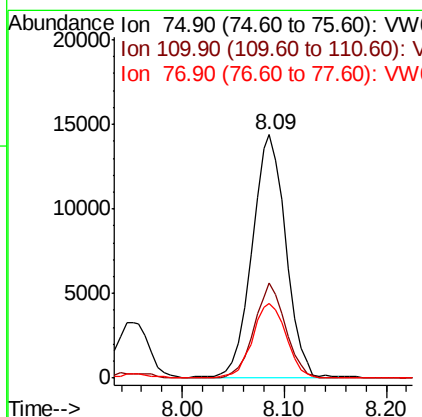
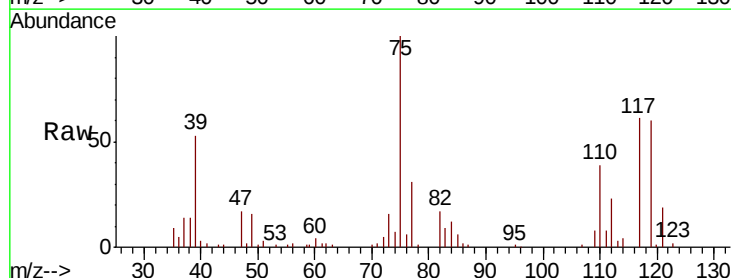
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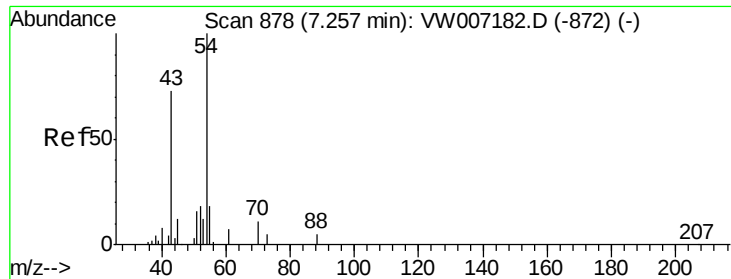
apatel
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#36
 1,1-Dichloropropene
 Concen: 21.964 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33220		
110	35.9	18.3	54.9	
77	30.8	24.9	37.3	





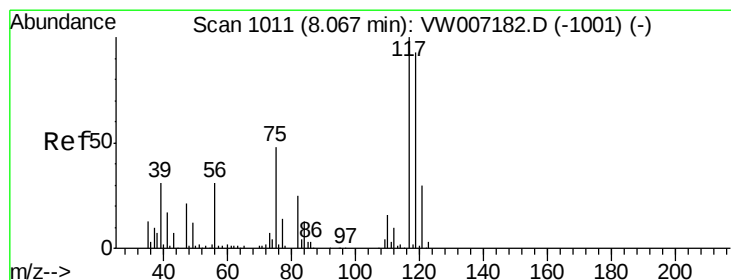
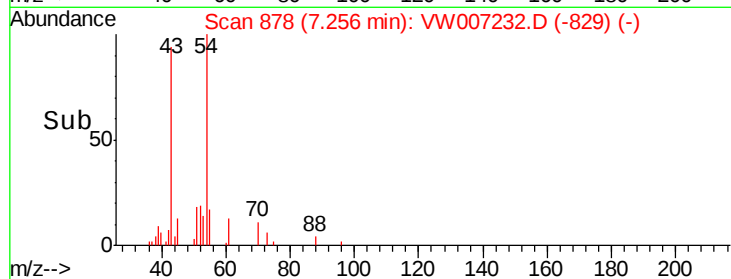
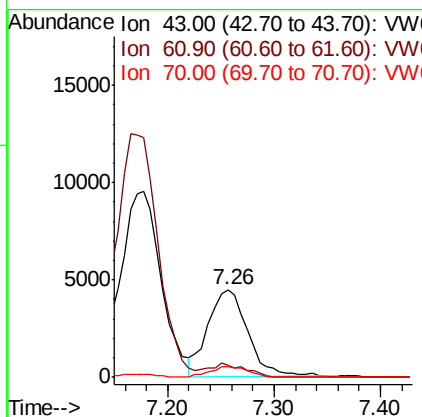
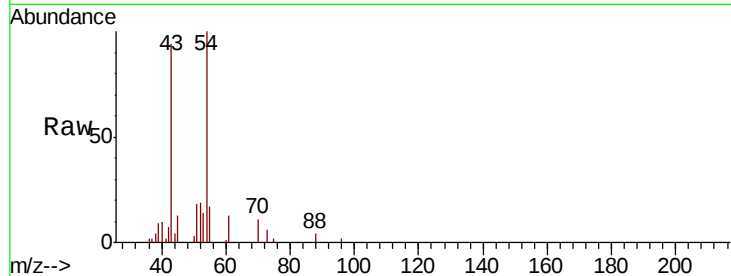
#37
Ethyl Acetate
Concen: 20.961 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.1	18.1
70	11.6	9.1	13.7

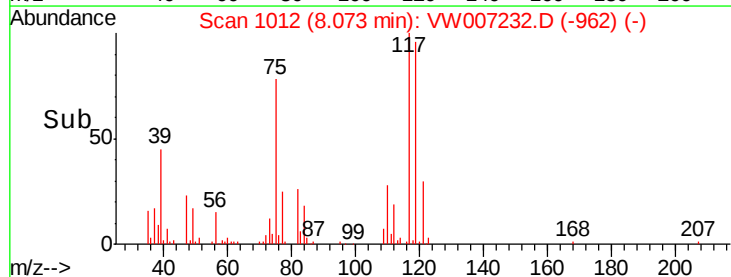
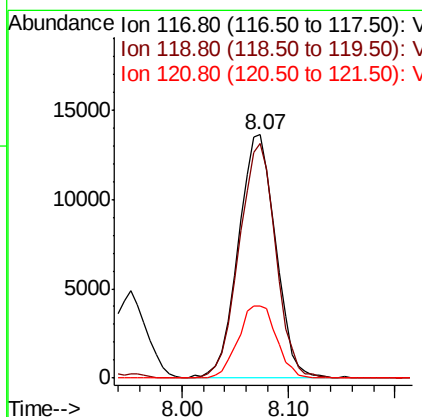
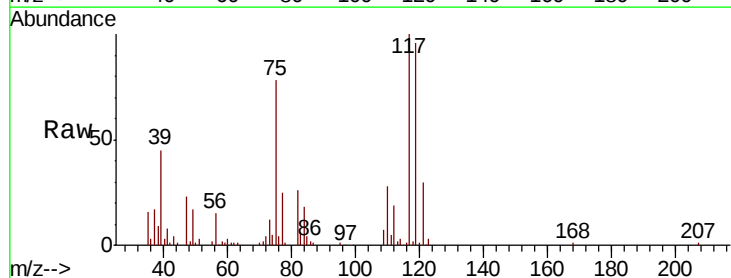
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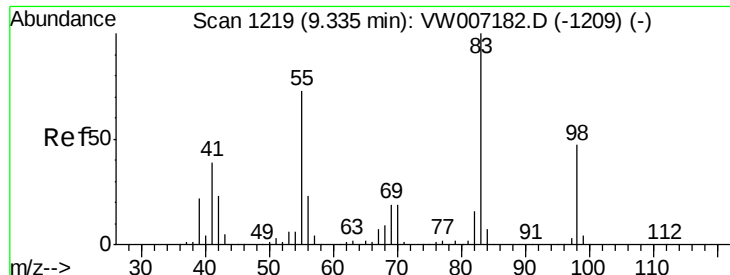
apatel
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#38
Carbon Tetrachloride
Concen: 21.691 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.1	111.1
121	29.5	23.9	35.9





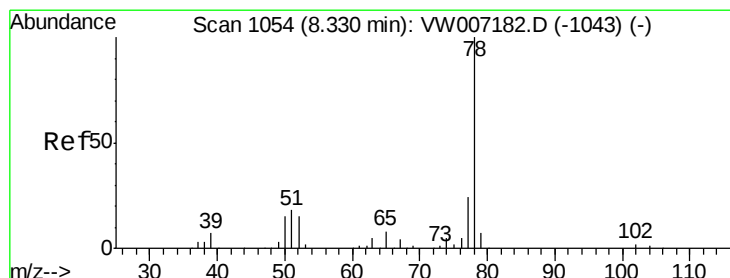
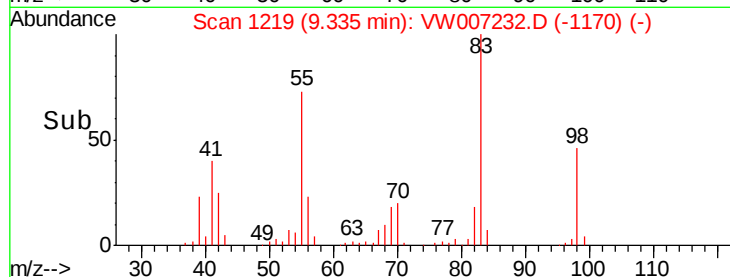
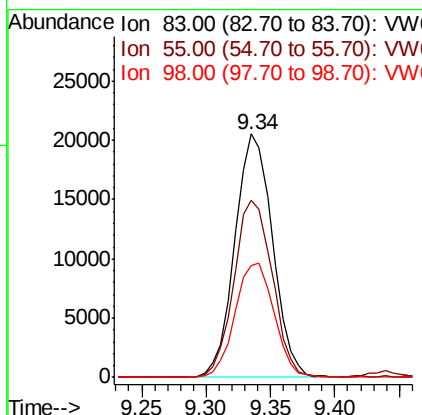
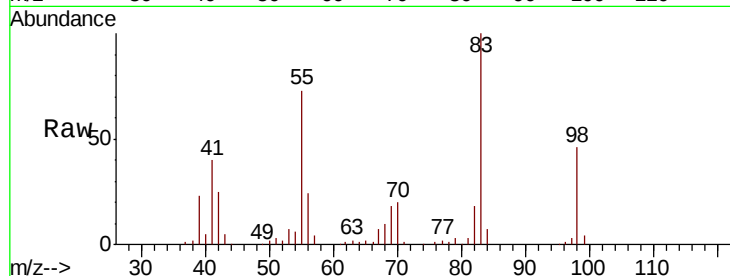
#39
Methylcyclohexane
Concen: 20.600 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.9	58.1	87.1
98	45.8	37.3	55.9

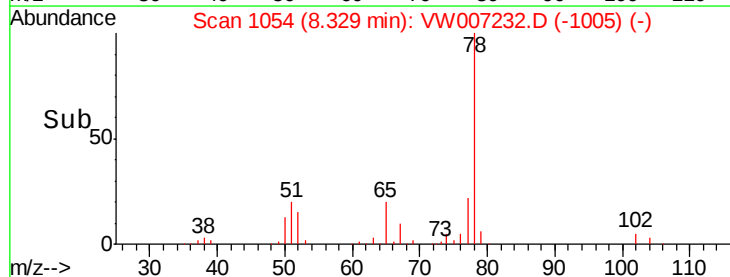
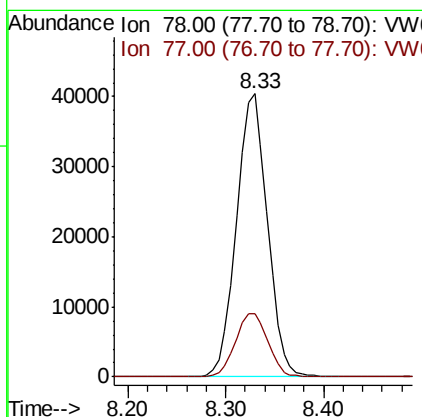
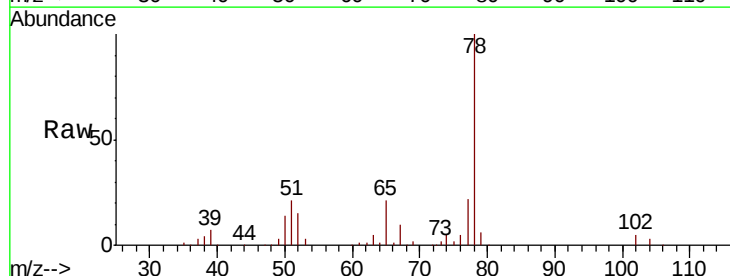
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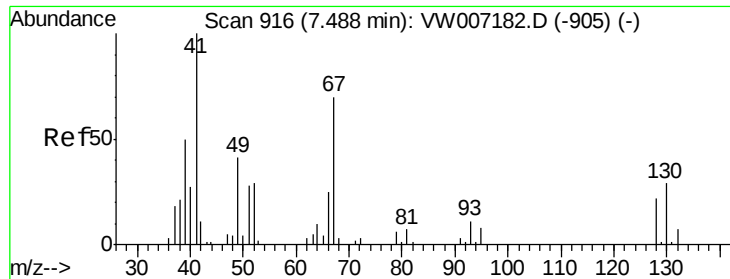
apatel
12/6/2018 12:55:53 PM



#40
Benzene
Concen: 21.439 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.9	28.3





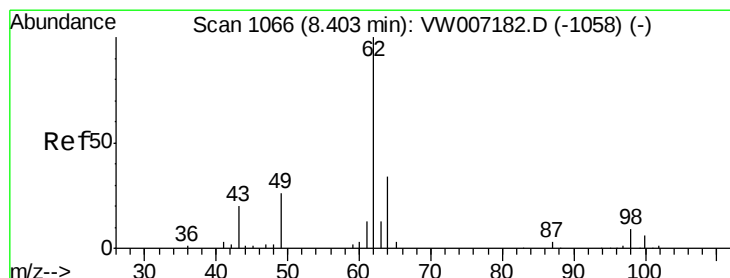
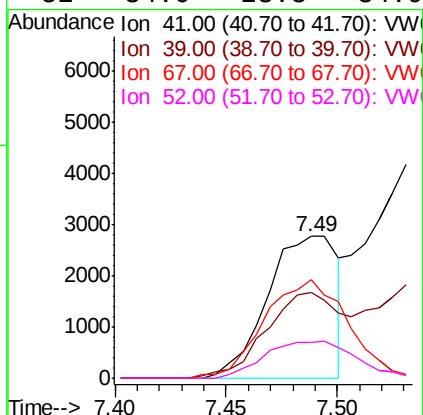
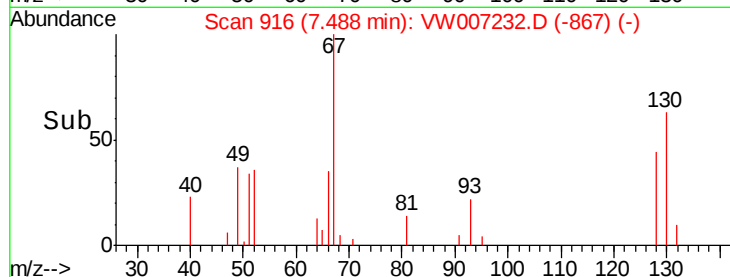
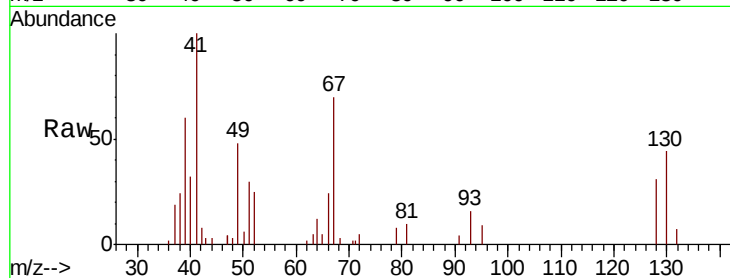
#41
Methacrylonitrile
Concen: 18.627 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.6	43.4	65.0#
67	81.6	57.4	86.0
52	34.0	23.3	34.9

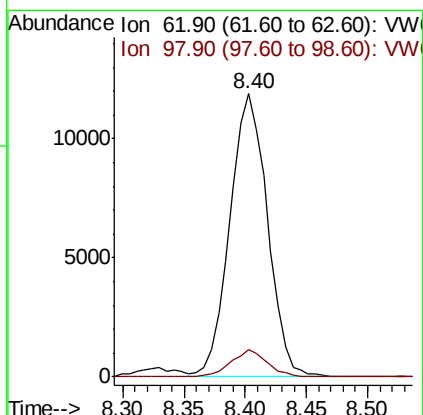
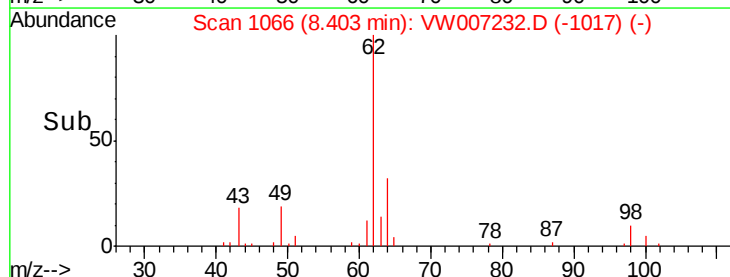
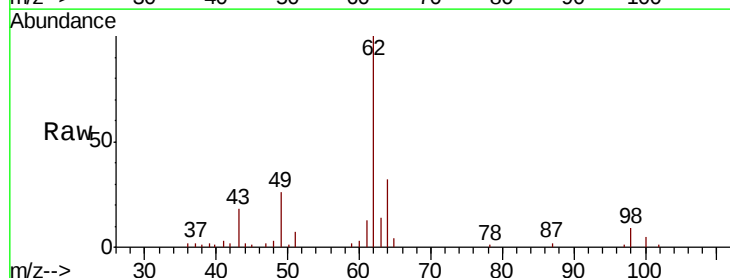
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#42
1,2-Dichloroethane
Concen: 21.864 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 20.676 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

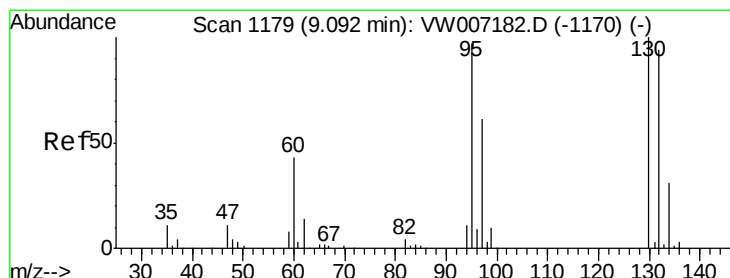
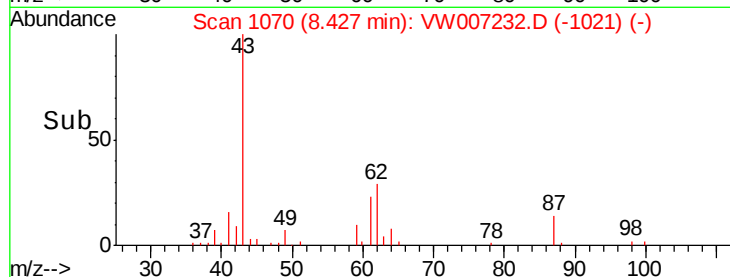
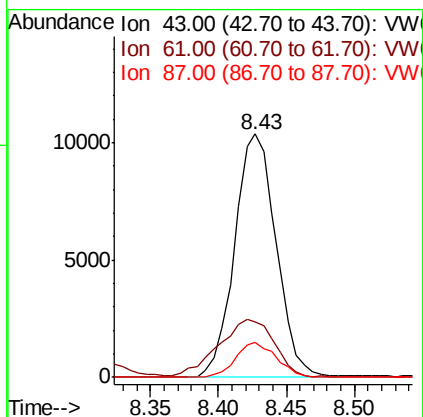
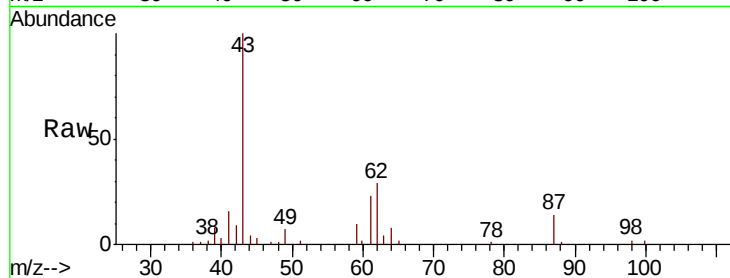
ClientSampleId :

VW1205SBS01

Tgt Ion:	43	Resp:	21970
Ion	Ratio	Lower	Upper
43	100		
61	32.0	25.4	38.0
87	14.1	11.4	17.0

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#44

Trichloroethene

Concen: 21.761 ug/l

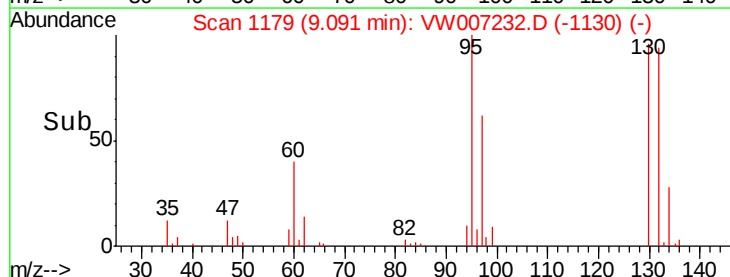
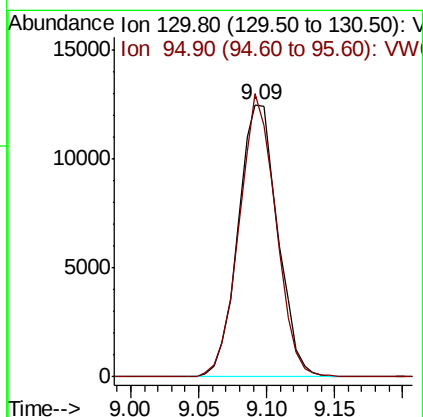
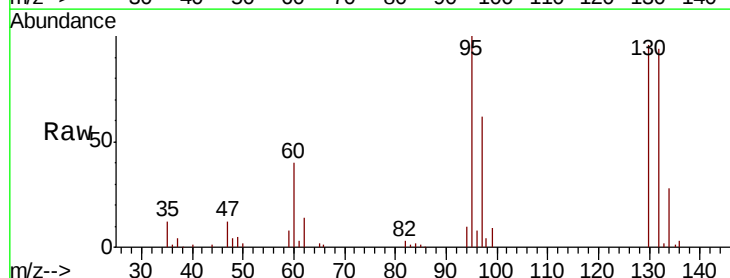
RT: 9.09 min Scan# 1179

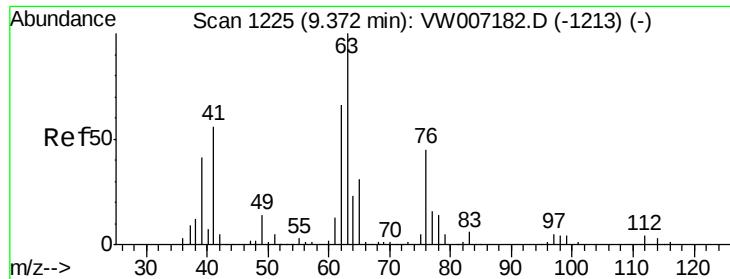
Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Tgt Ion:	130	Resp:	25369
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	194.0





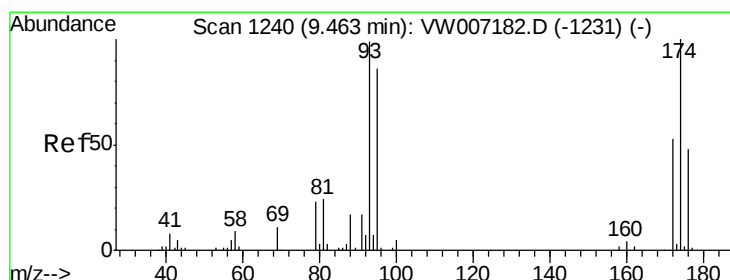
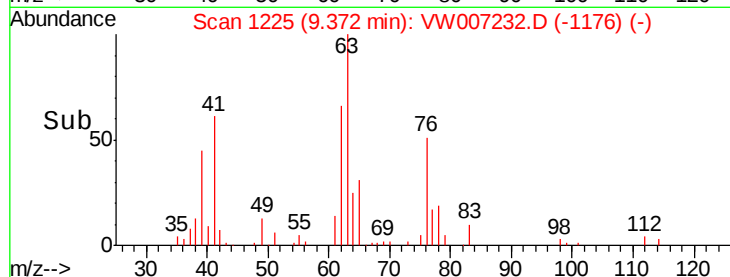
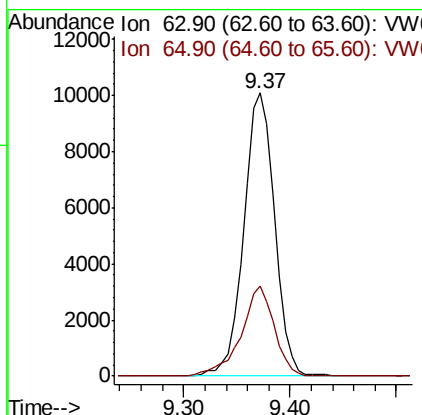
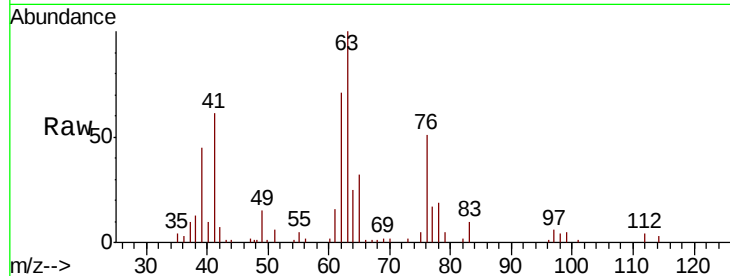
#45
 1,2-Dichloropropane
 Concen: 21.241 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tgt Ion: 63 Resp: 20500
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.4

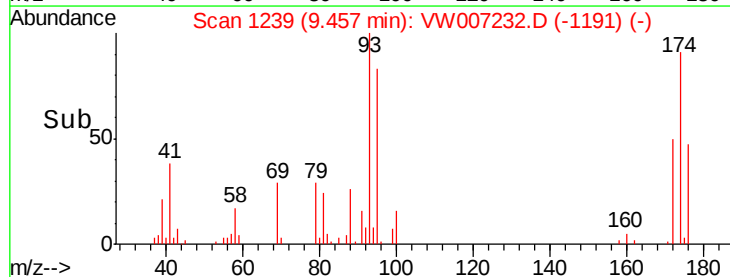
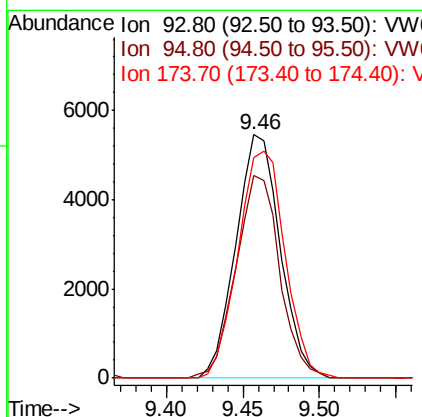
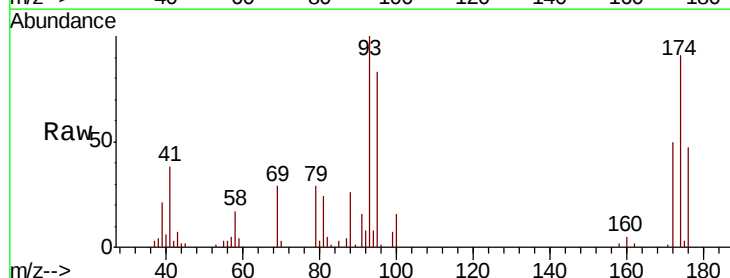
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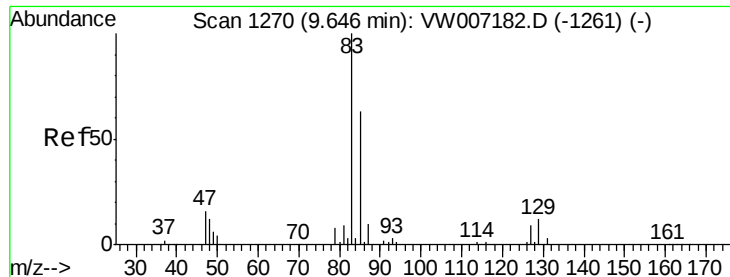
apatel
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#46
 Dibromomethane
 Concen: 21.844 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion: 93 Resp: 10955
 Ion Ratio Lower Upper
 93 100
 95 82.1 68.7 103.1
 174 98.7 82.9 124.3





#47

Bromodichloromethane

Concen: 21.923 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

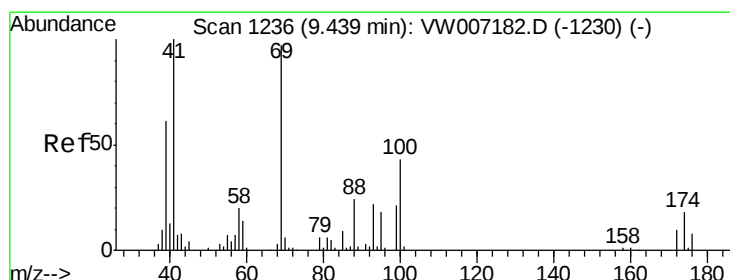
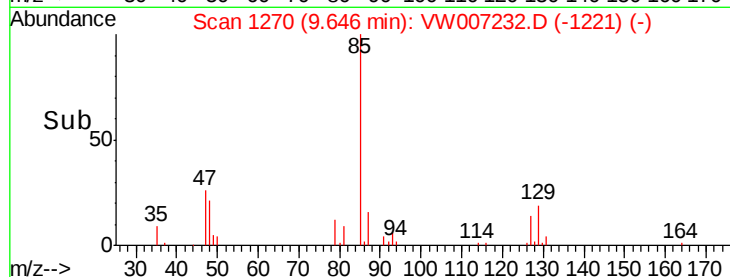
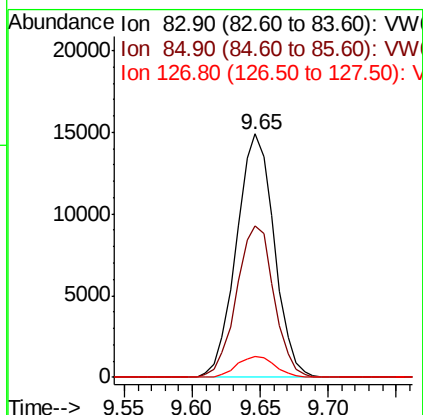
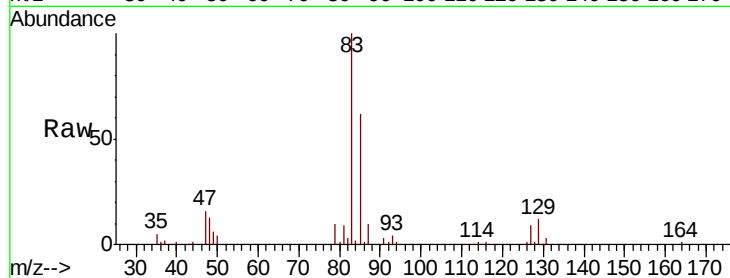
ClientSampleId :

VW1205SBS01

Tgt Ion:	83	Resp:	28921
Ion Ratio	Lower	Upper	
83	100		
85	62.1	50.6	76.0
127	8.7	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.770 ug/l

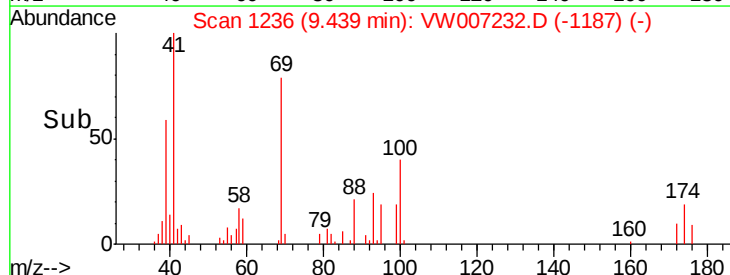
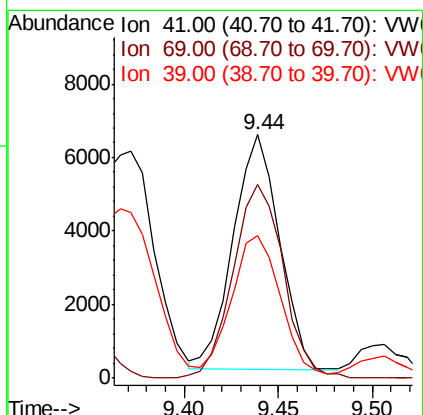
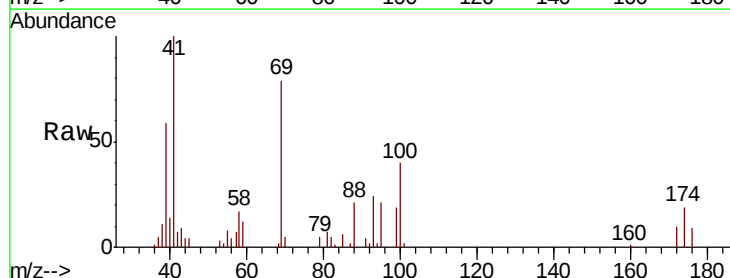
RT: 9.44 min Scan# 1236

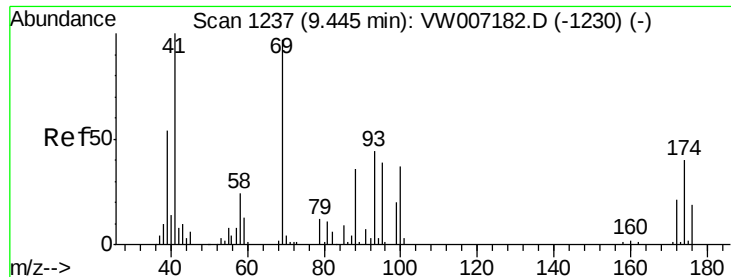
Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Tgt Ion:	41	Resp:	10903
Ion Ratio	Lower	Upper	
41	100		
69	89.4	69.6	104.4
39	60.4	42.4	63.6





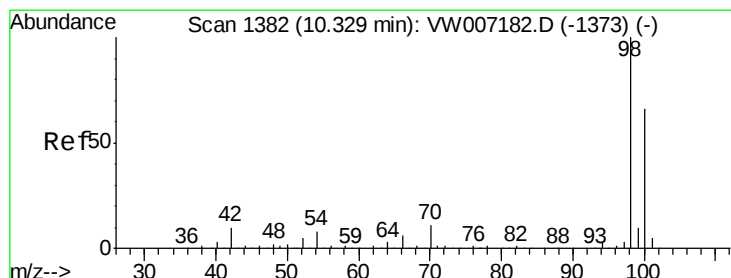
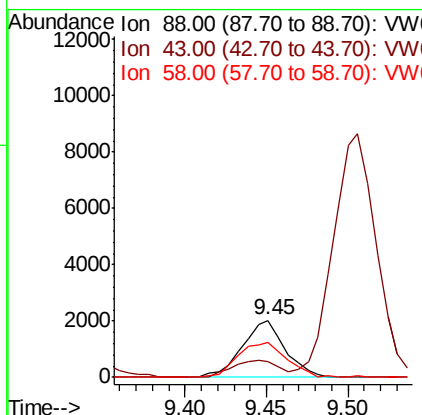
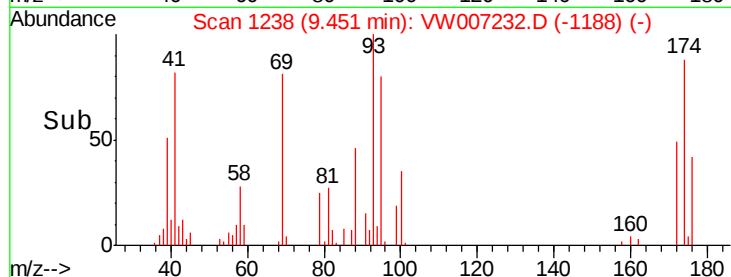
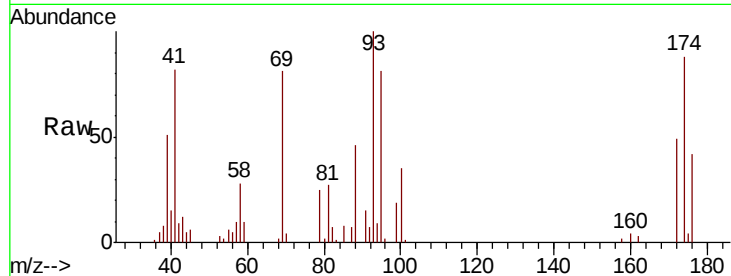
#49
1,4-Dioxane
Concen: 419.823 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.8	38.8
58	70.3	58.9	88.3

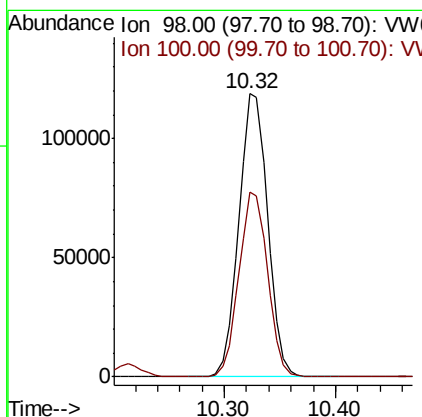
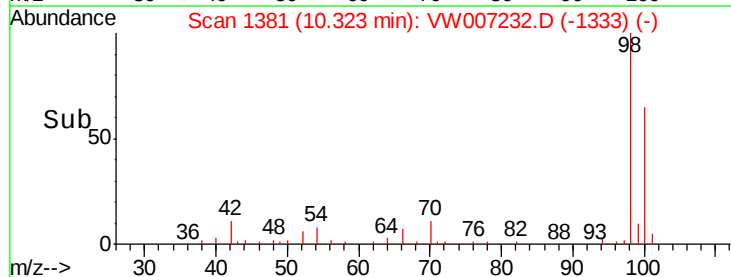
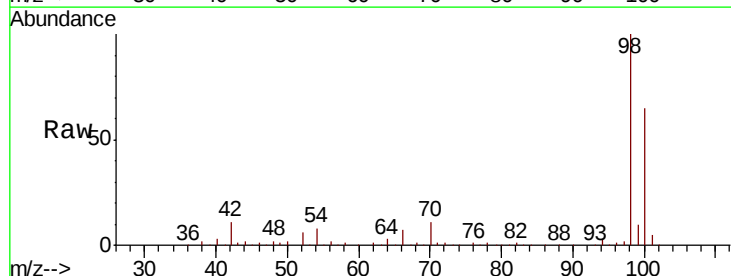
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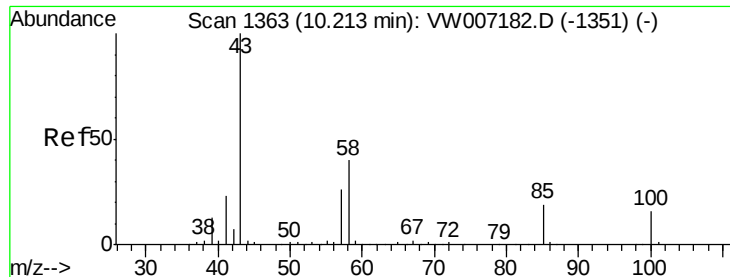
apatel
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#50
Toluene-d8
Concen: 54.485 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1





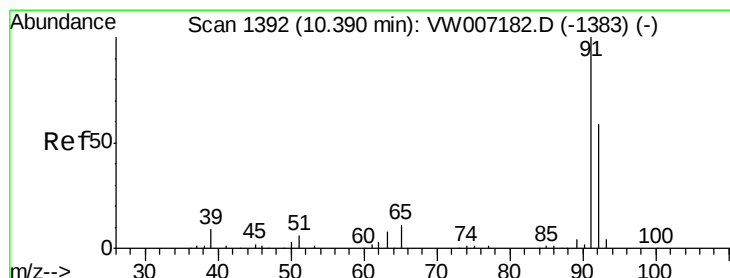
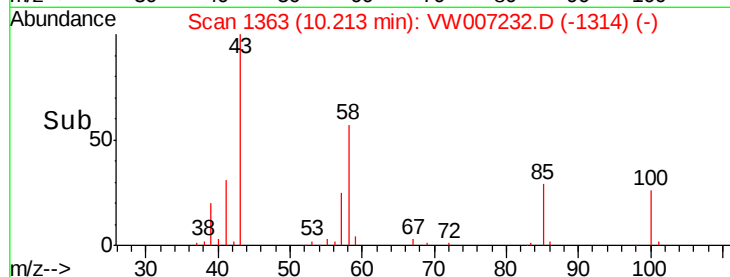
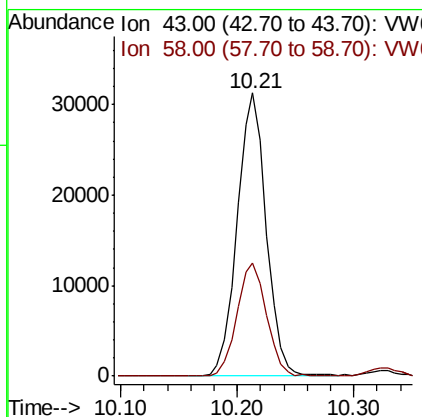
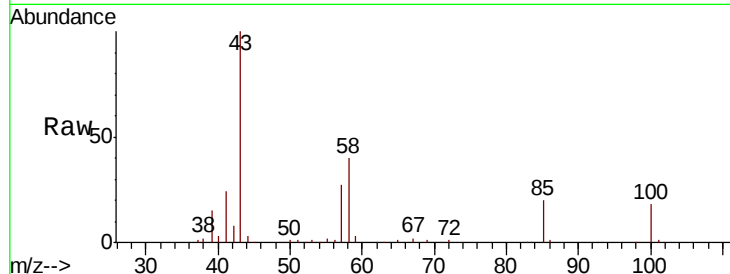
#51
4-Methyl-2-Pentanone
Concen: 103.841 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampled :
VW1205SBS01

Tgt Ion: 43 Resp: 54375
Ion Ratio Lower Upper
43 100
58 40.7 32.3 48.5

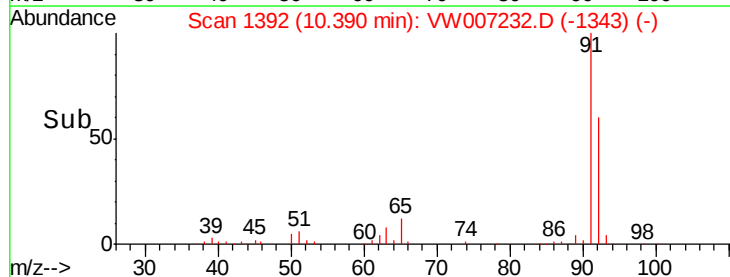
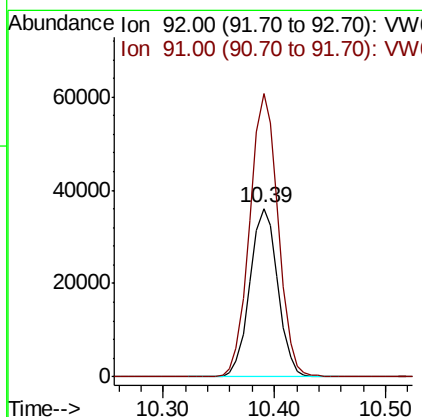
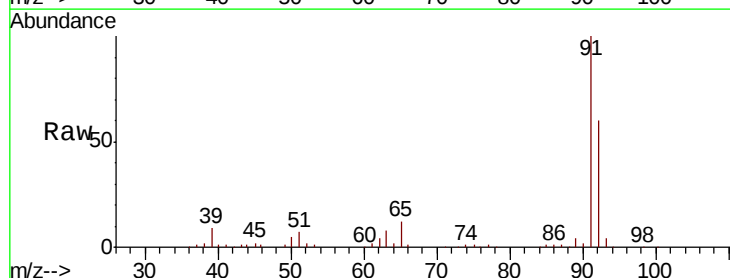
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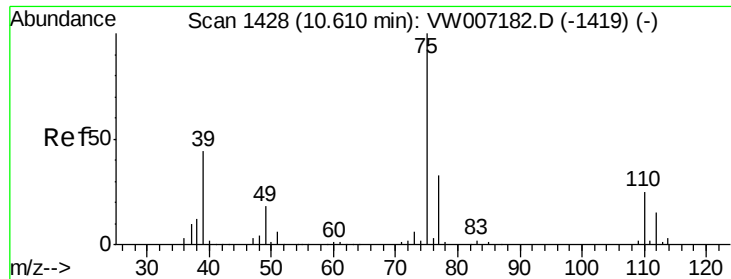
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#52
Toluene
Concen: 21.839 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion: 92 Resp: 63006
Ion Ratio Lower Upper
92 100
91 170.8 136.0 204.0





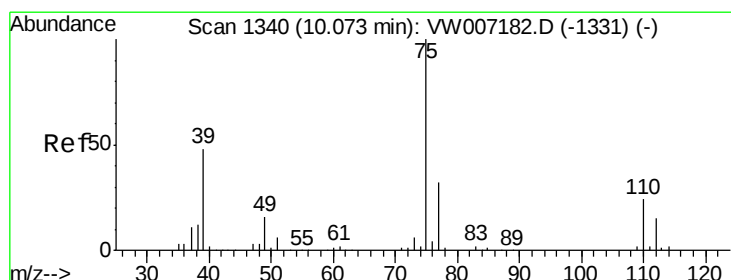
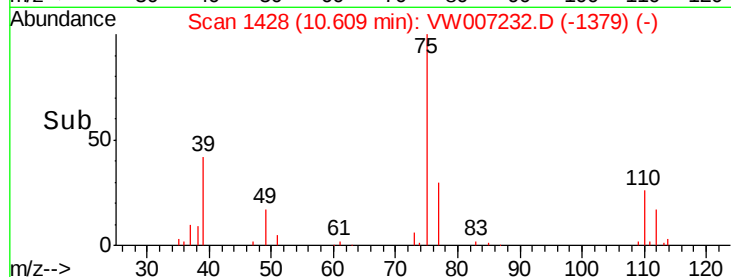
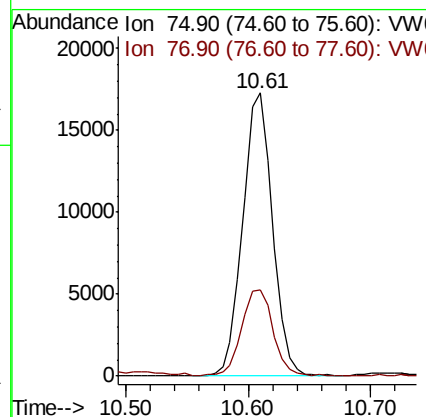
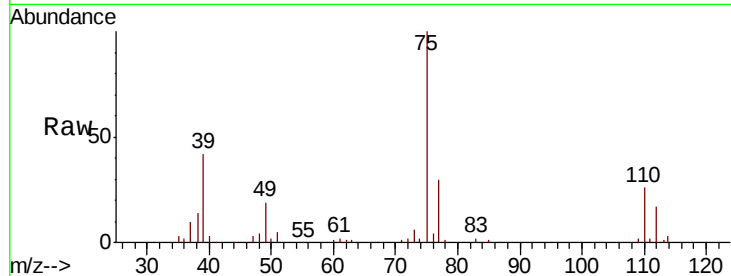
#53
 t-1,3-Dichloropropene
 Concen: 21.941 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tgt Ion: 75 Resp: 29100
 Ion Ratio Lower Upper
 75 100
 77 30.0 26.2 39.2

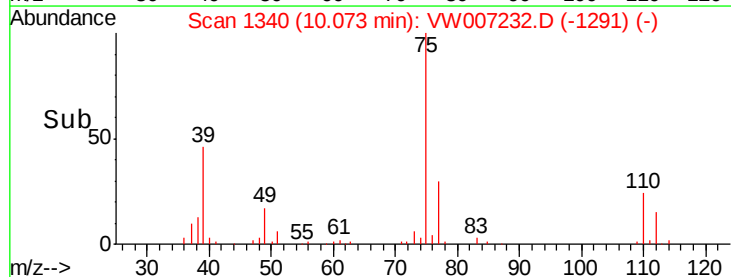
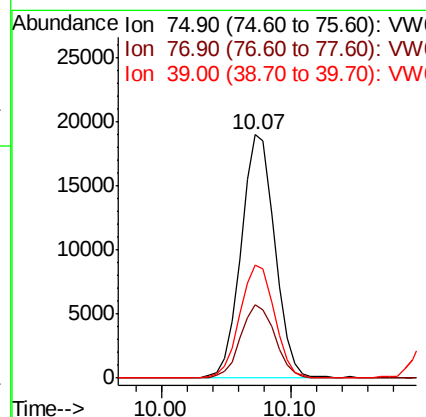
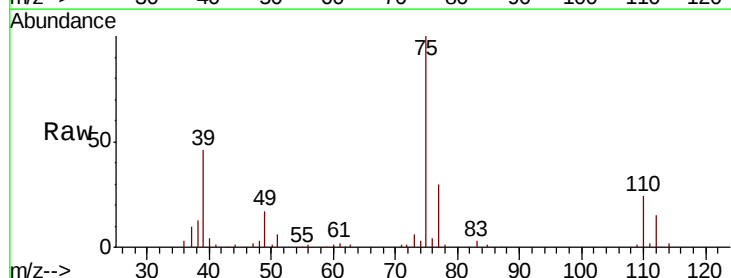
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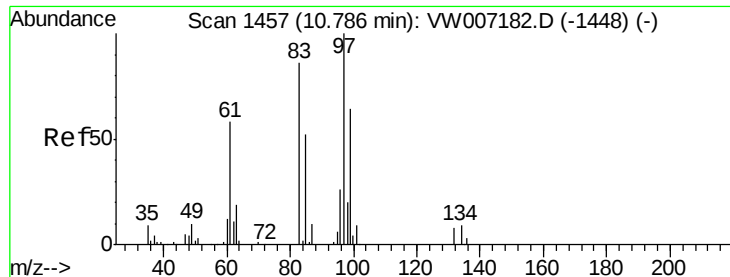
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#54
 cis-1,3-Dichloropropene
 Concen: 22.104 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion: 75 Resp: 34357
 Ion Ratio Lower Upper
 75 100
 77 30.1 26.0 39.0
 39 46.2 38.0 57.0





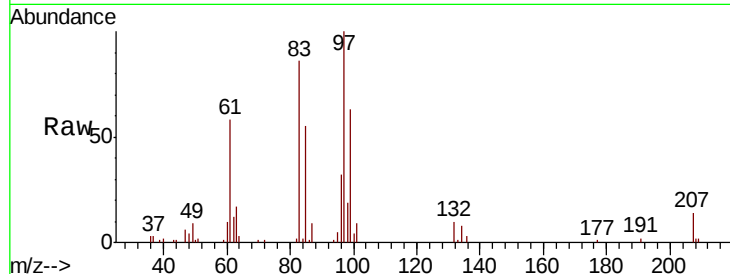
#55
 1,1,2-Trichloroethane
 Concen: 21.770 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

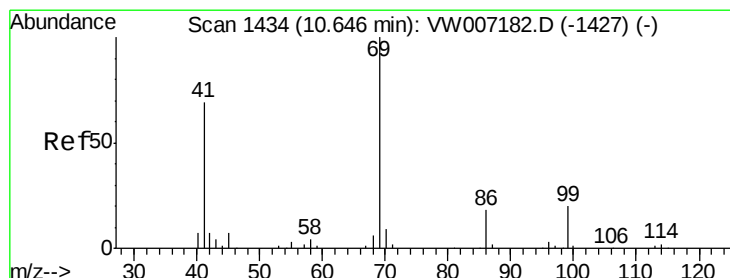
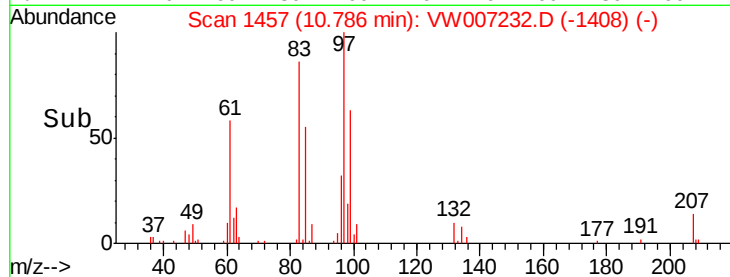
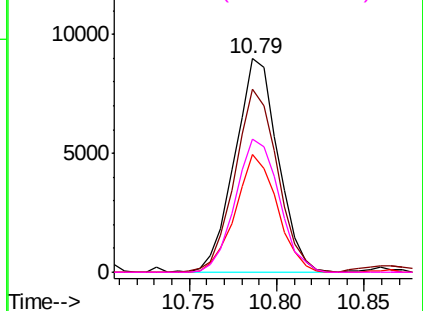
Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.6	102.8
85	55.2	41.4	62.2
99	62.5	51.2	76.8

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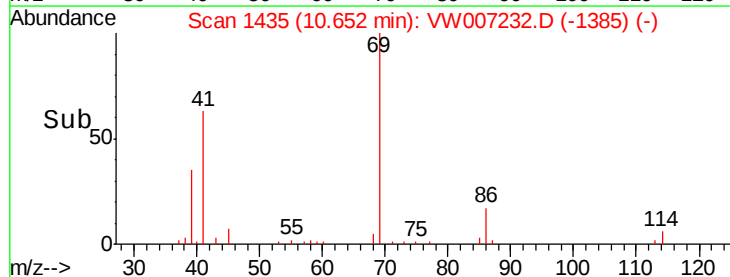
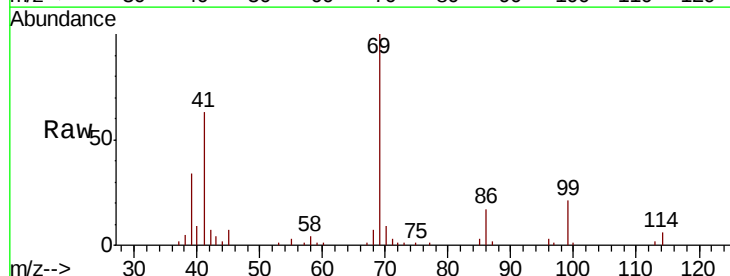
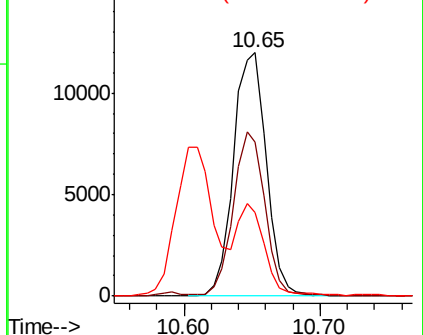
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

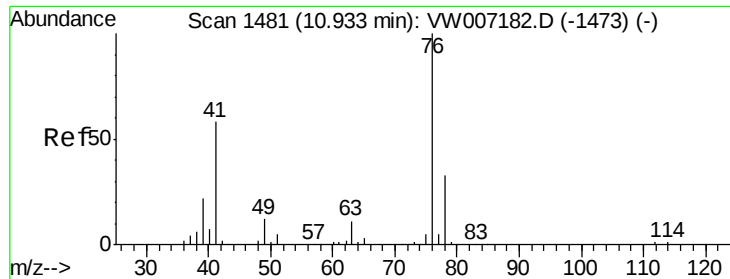


#56
 Ethyl methacrylate
 Concen: 21.666 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.8	77.6
39	30.7	28.7	43.1

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





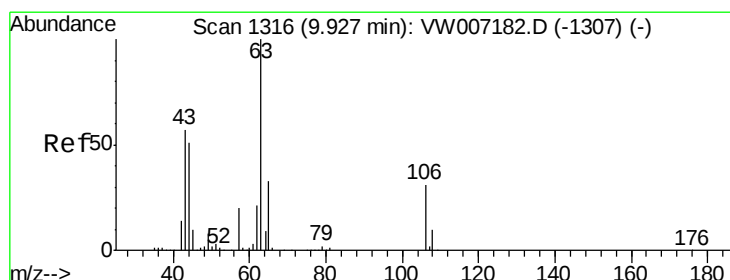
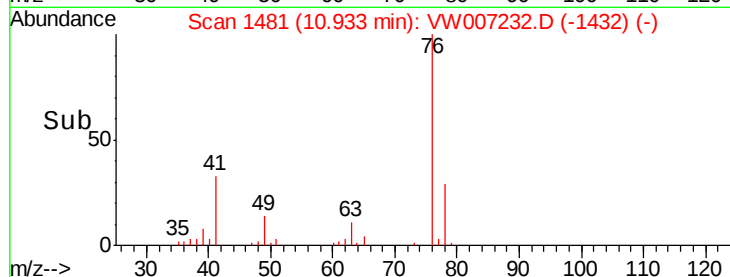
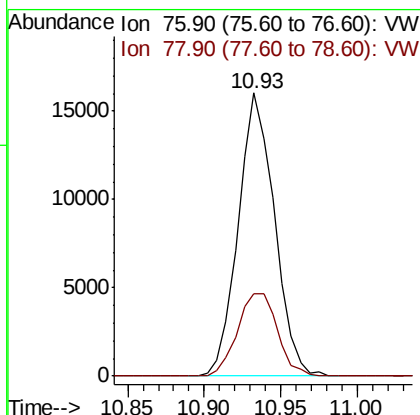
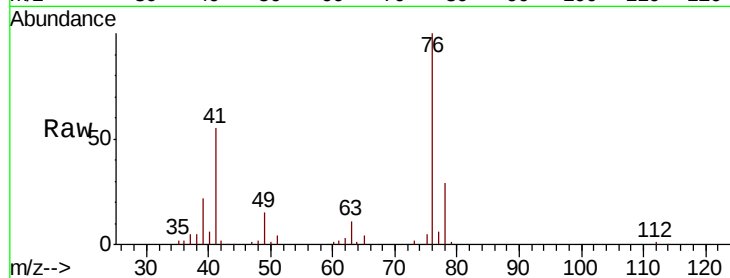
#57
 1,3-Dichloropropane
 Concen: 21.809 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBSD01

Tgt Ion: 76 Resp: 26266
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.6 40.0

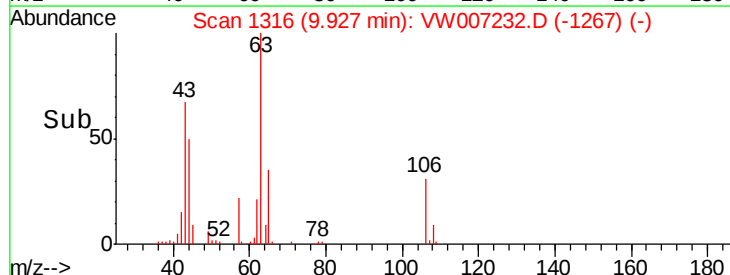
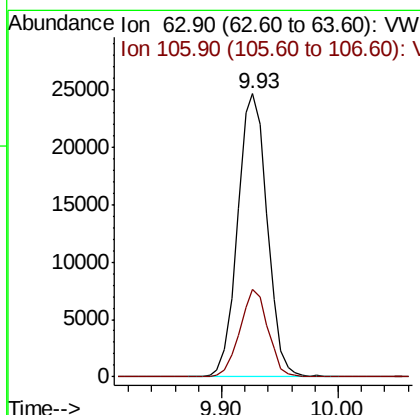
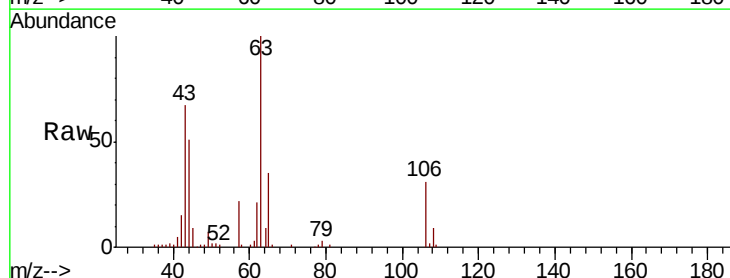
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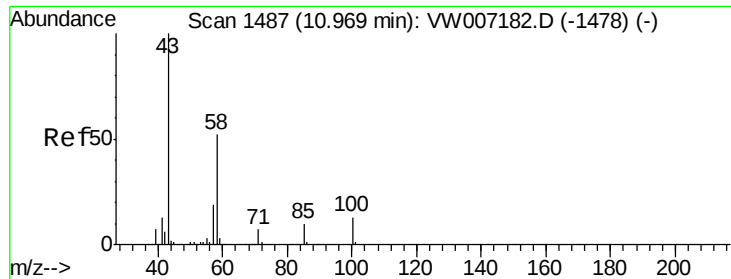
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.527 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion: 63 Resp: 43553
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.1 36.1





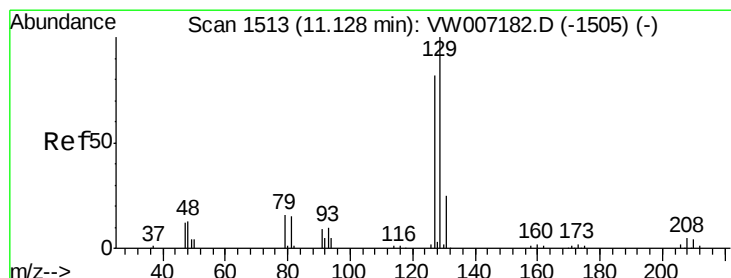
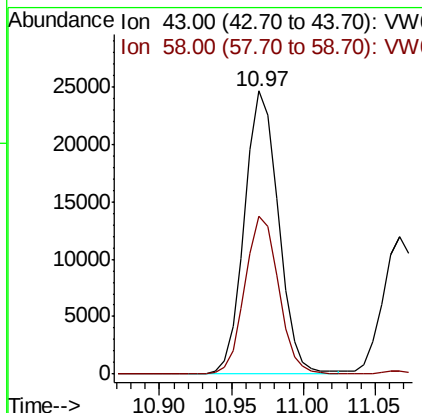
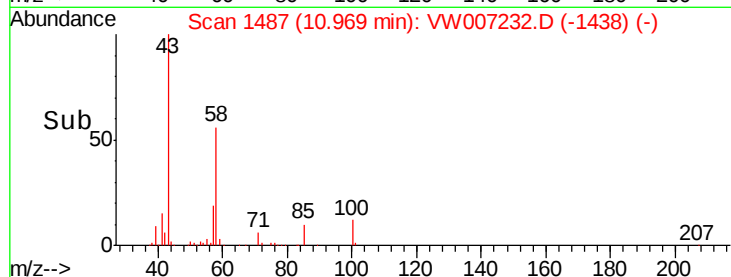
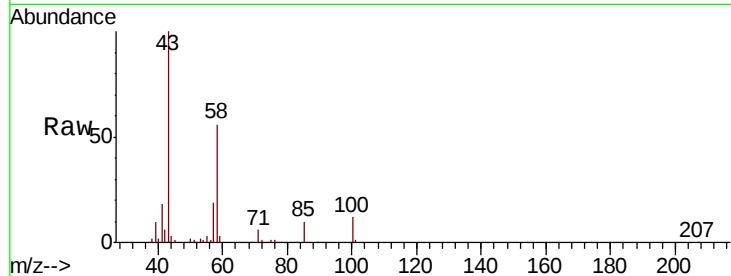
#59
2-Hexanone
Concen: 106.255 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion: 43 Resp: 40334
Ion Ratio Lower Upper
43 100
58 55.3 28.1 84.4

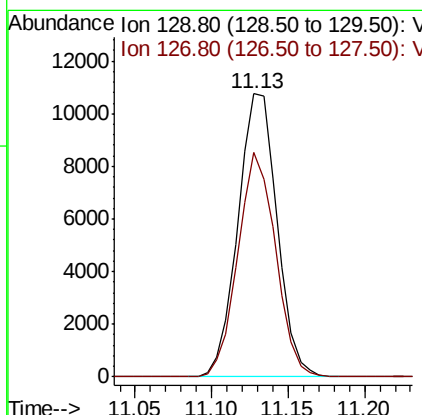
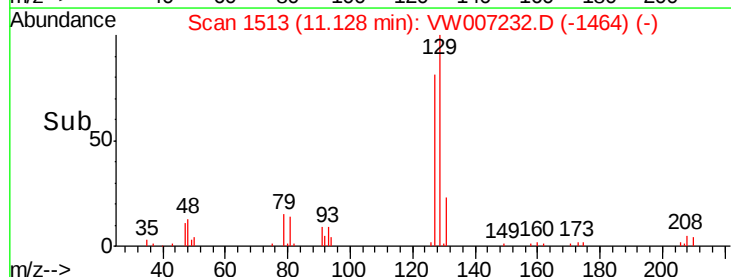
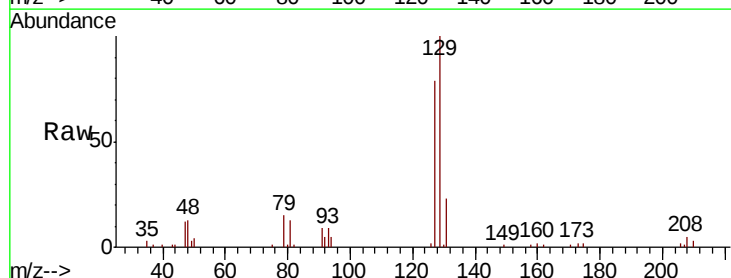
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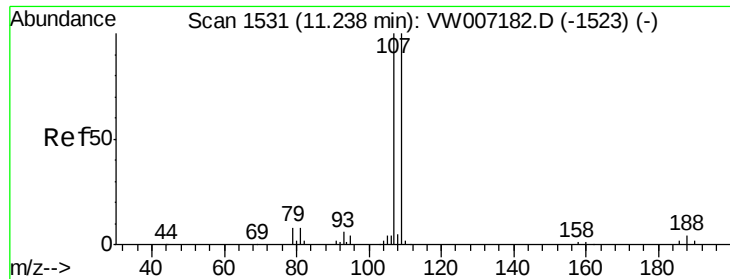
apatel
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#60
Dibromochloromethane
Concen: 21.817 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion: 129 Resp: 19128
Ion Ratio Lower Upper
129 100
127 76.5 39.8 119.4





#61

1,2-Dibromoethane

Concen: 22.217 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

Tgt Ion: 107 Resp: 15201

Ion Ratio Lower Upper

107 100

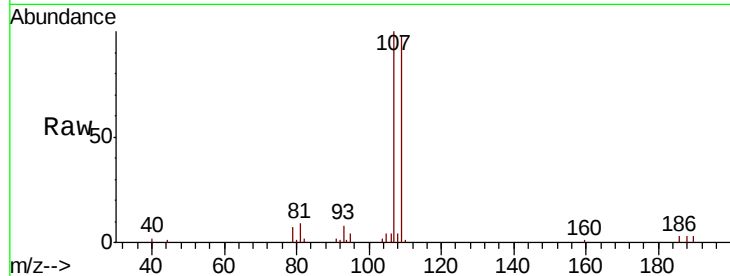
109 94.0 77.3 115.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

10000

8000

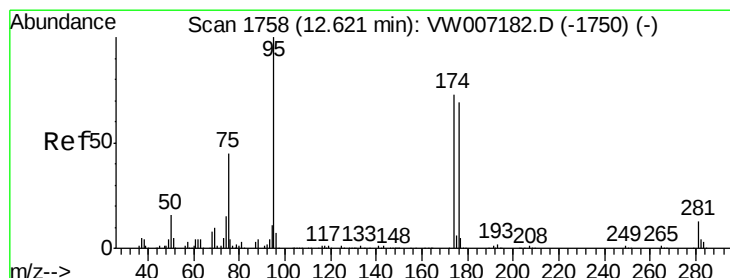
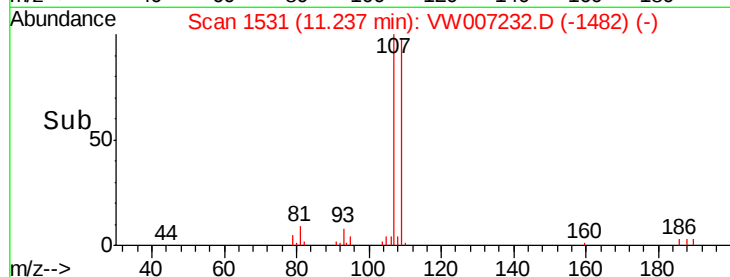
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 55.746 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

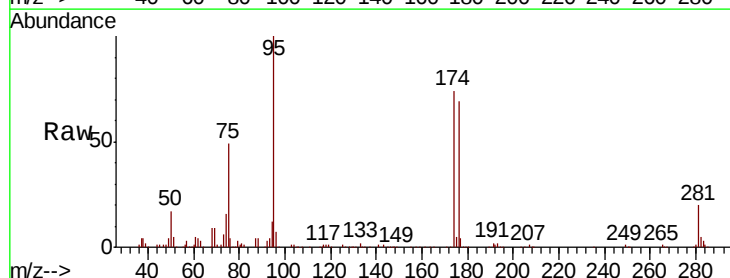
Tgt Ion: 95 Resp: 82495

Ion Ratio Lower Upper

95 100

174 74.8 0.0 148.0

176 71.9 0.0 139.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

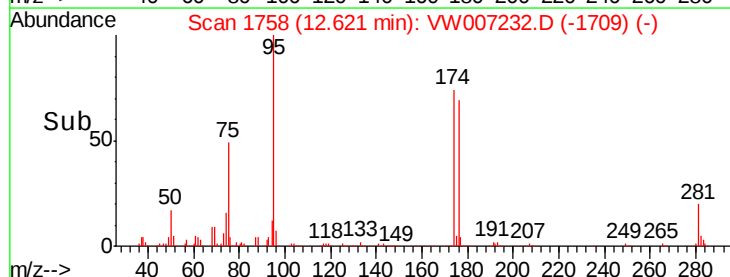
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70





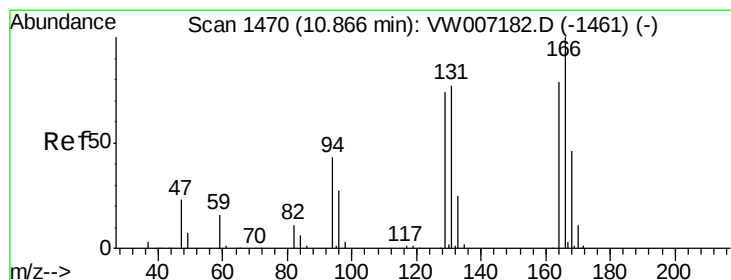
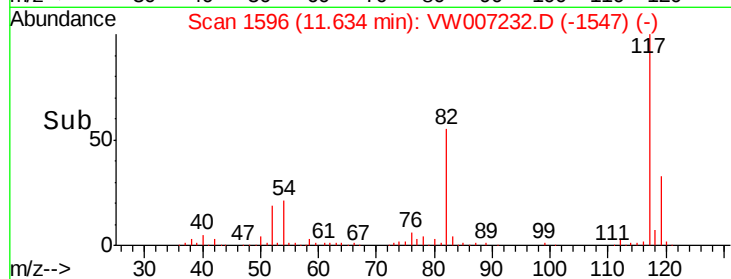
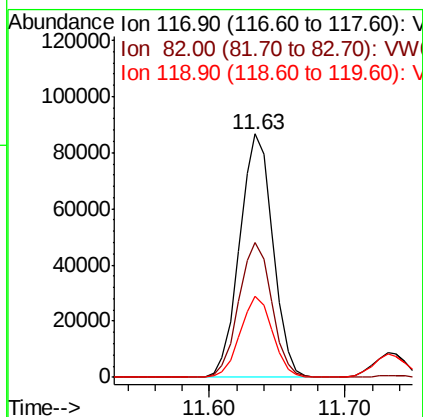
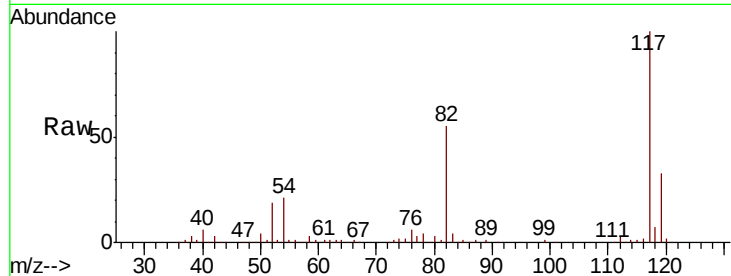
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.4	71.2
119	33.3	26.8	40.2

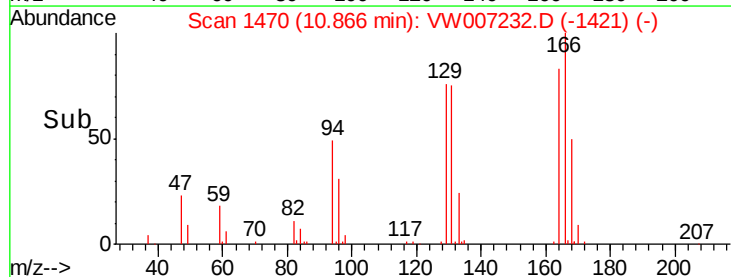
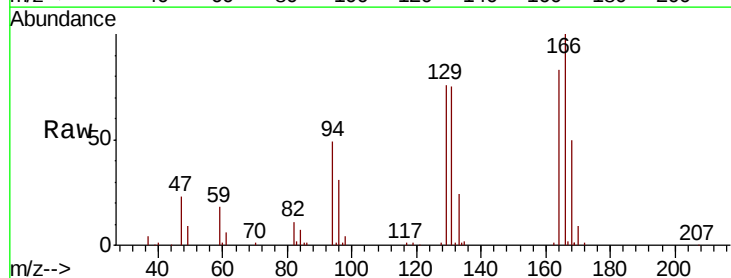
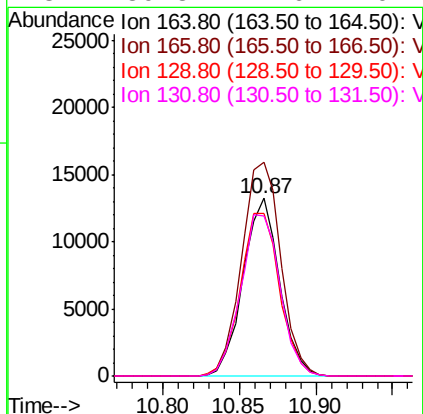
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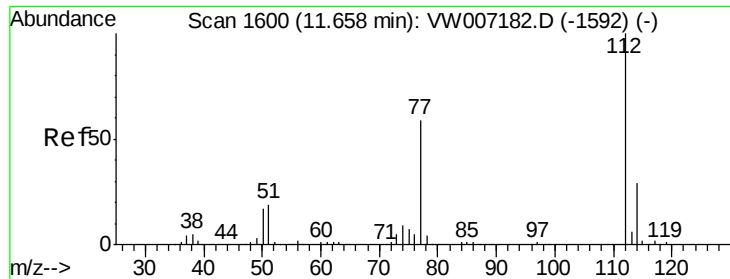
apatel
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#64
Tetrachloroethene
Concen: 20.277 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.1	101.0	151.4
129	91.7	74.6	111.8
131	89.8	77.6	116.4





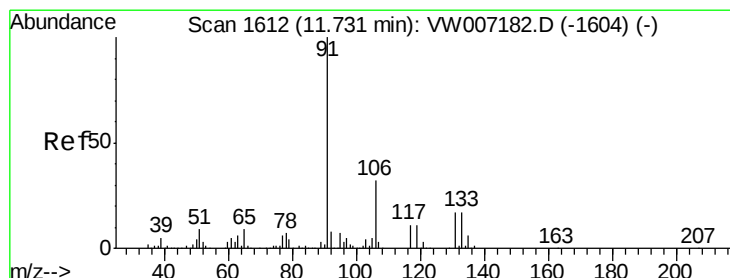
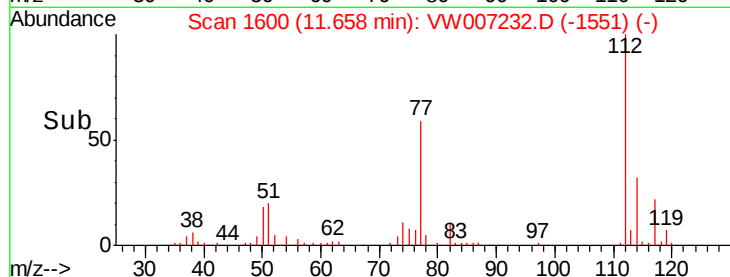
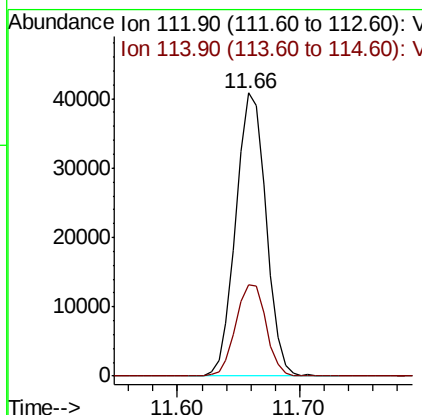
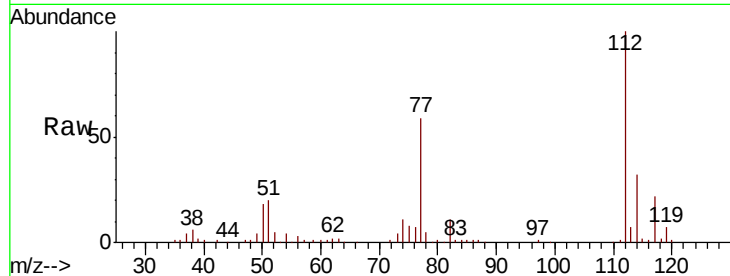
#65
Chlorobenzene
Concen: 21.157 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion:112 Resp: 69823
Ion Ratio Lower Upper
112 100
114 32.2 23.0 34.4

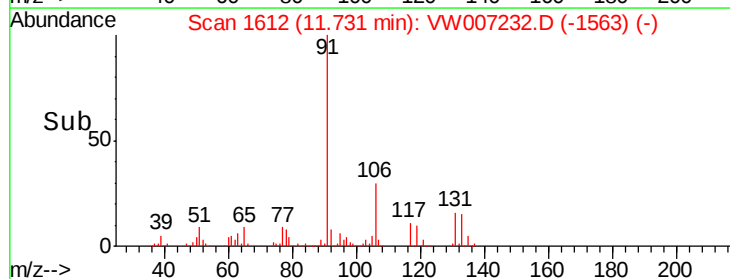
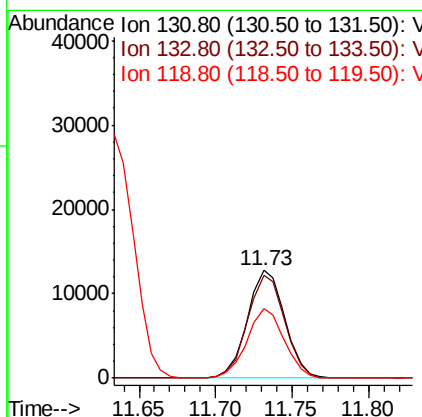
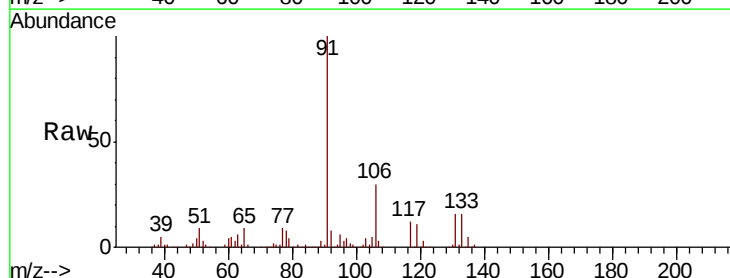
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion:131 Resp: 21733
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.2
119 64.6 32.8 98.4





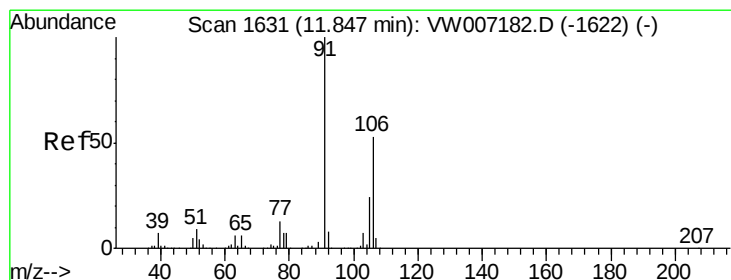
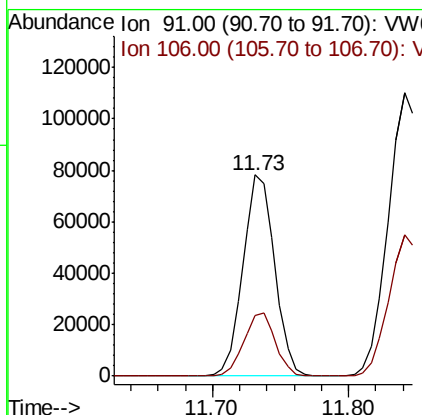
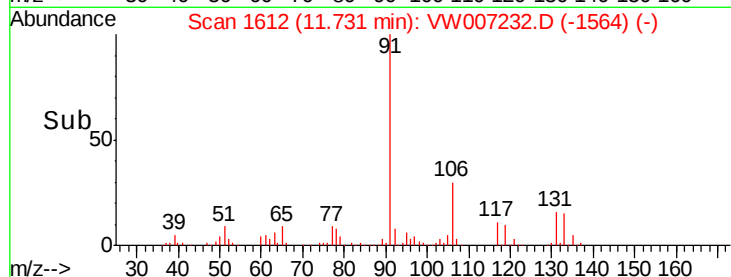
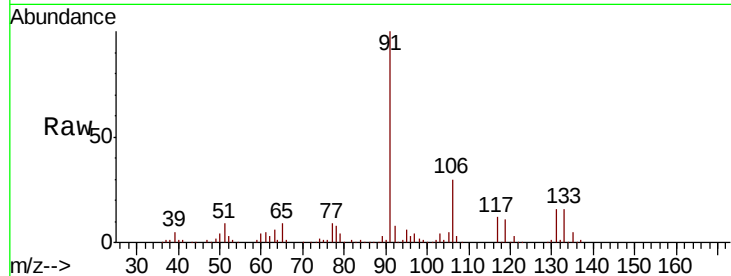
#67
Ethyl Benzene
Concen: 21.226 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBSD01

Tgt Ion: 91 Resp: 127675
Ion Ratio Lower Upper
91 100
106 30.4 26.0 39.0

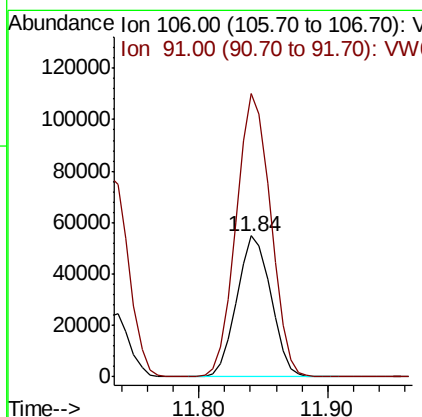
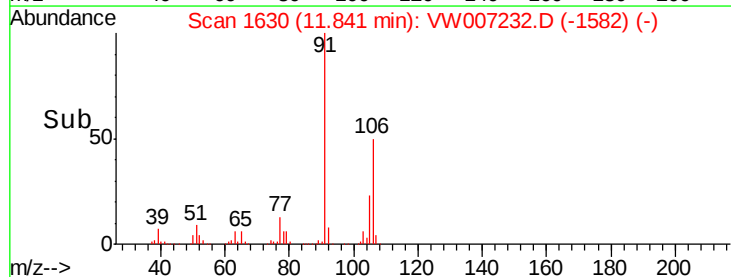
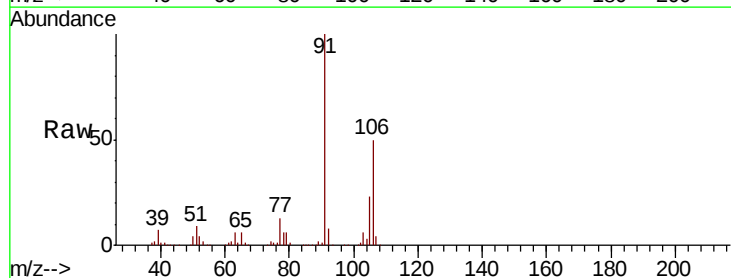
Manual Integrations
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#68
m/p-Xylenes
Concen: 42.865 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion: 106 Resp: 101148
Ion Ratio Lower Upper
106 100
91 202.1 160.2 240.4





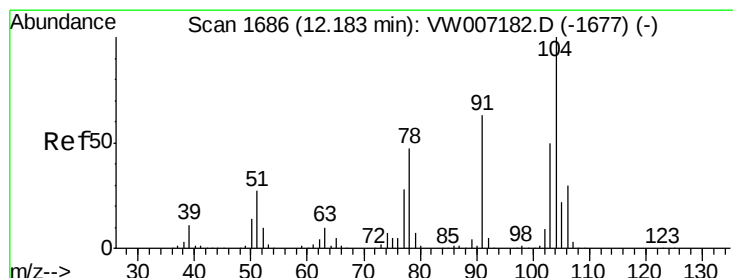
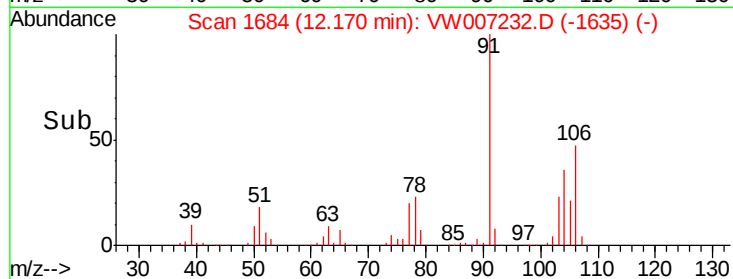
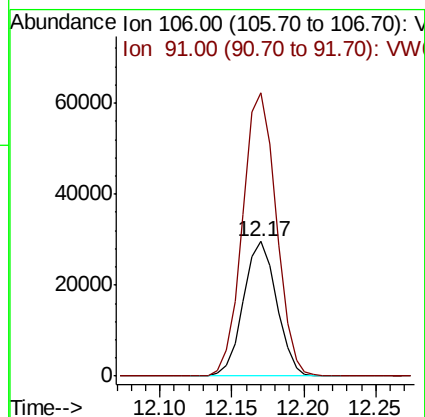
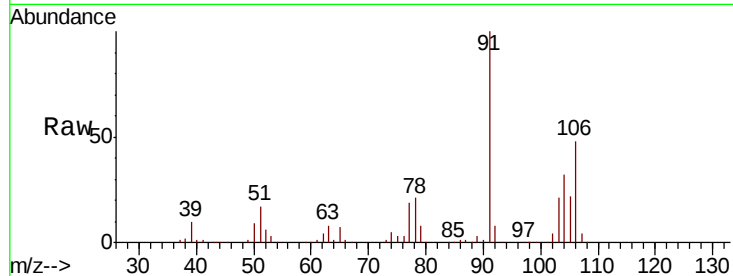
#69
o-Xylene
Concen: 21.444 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBSD01

Tgt Ion:106 Resp: 47276
Ion Ratio Lower Upper
106 100
91 213.6 104.9 314.7

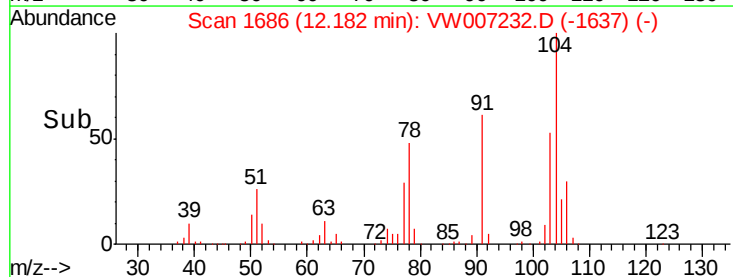
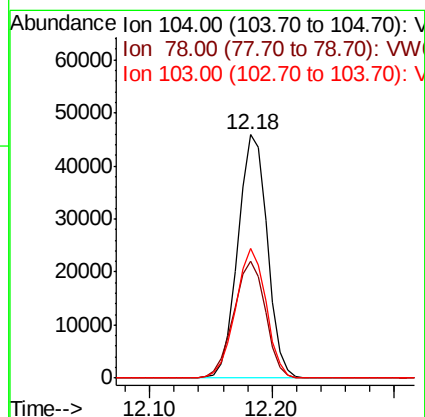
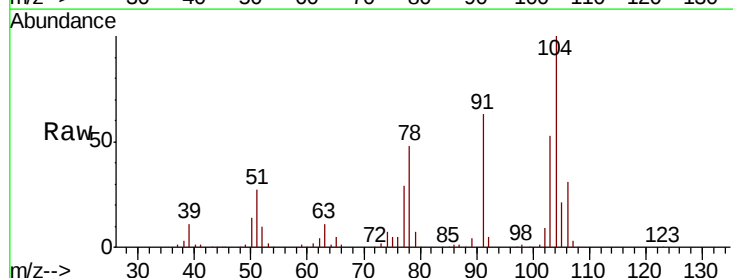
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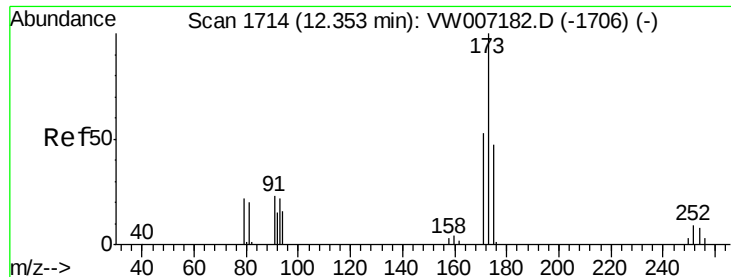
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#70
Styrene
Concen: 21.167 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion:104 Resp: 76389
Ion Ratio Lower Upper
104 100
78 51.8 40.6 60.8
103 55.3 43.0 64.4





#71

Bromoform

Concen: 21.209 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

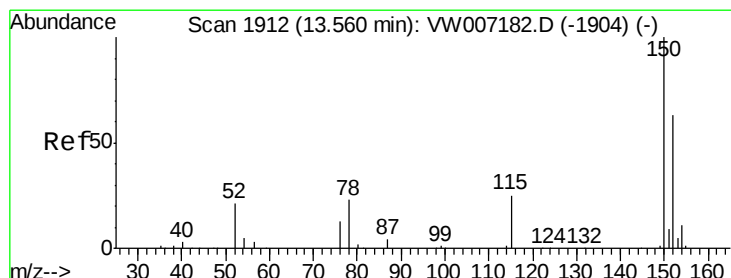
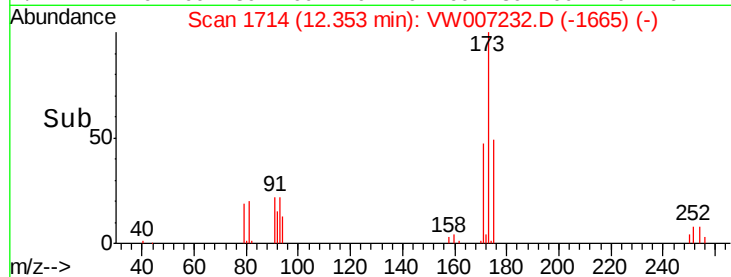
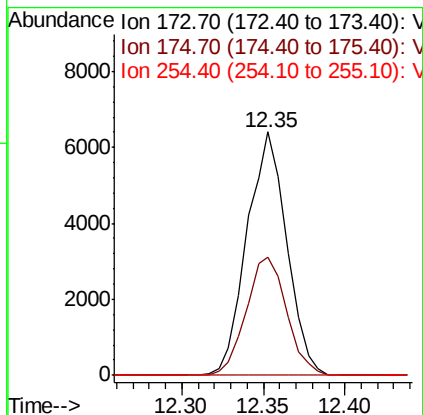
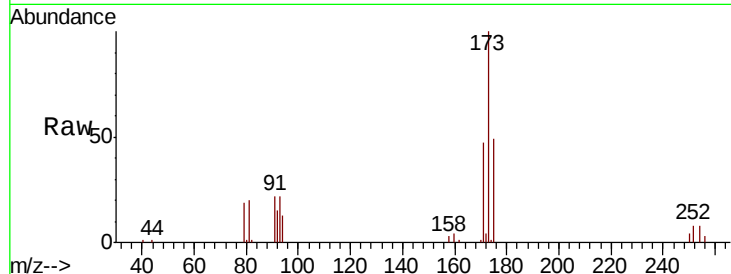
ClientSampleId :

VW1205SBS01

Tgt Ion:	173	Resp:	10821
Ion Ratio	Lower	Upper	
173	100		
175	49.4	24.0	72.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

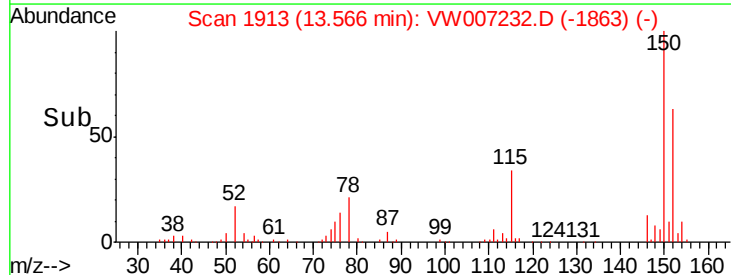
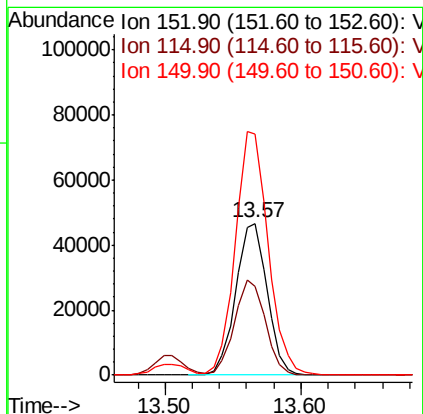
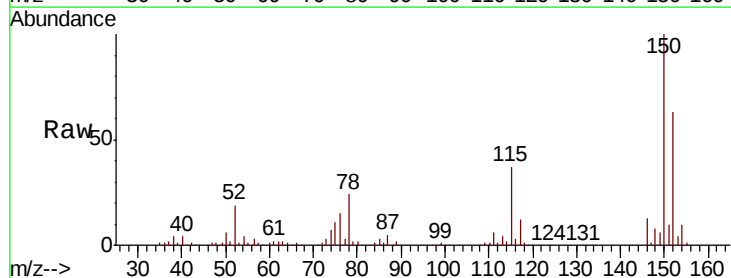
RT: 13.57 min Scan# 1913

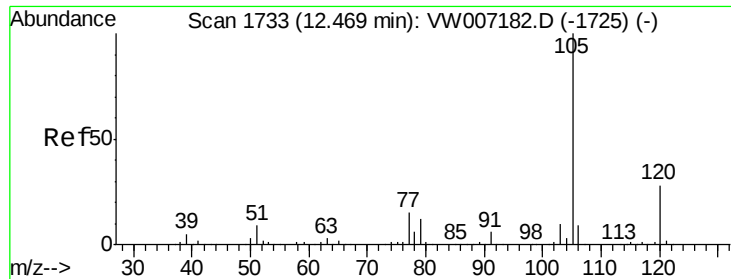
Delta R.T. 0.01 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Tgt Ion:	152	Resp:	75160
Ion Ratio	Lower	Upper	
152	100		
115	61.6	31.3	93.8
150	167.2	0.0	358.0





#73

Isopropylbenzene

Concen: 21.436 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

ClientSampleId :

VW1205SBS01

Tgt Ion: 105 Resp: 131038

Ion Ratio Lower Upper

105 100

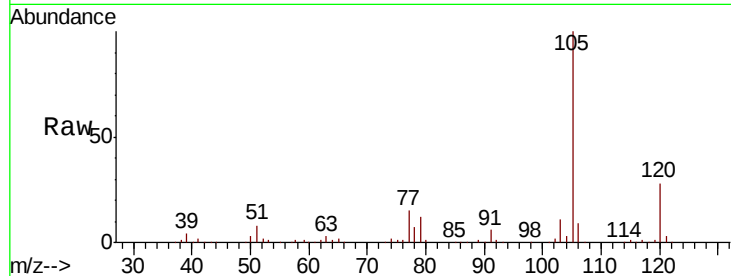
120 26.3 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

40000

20000

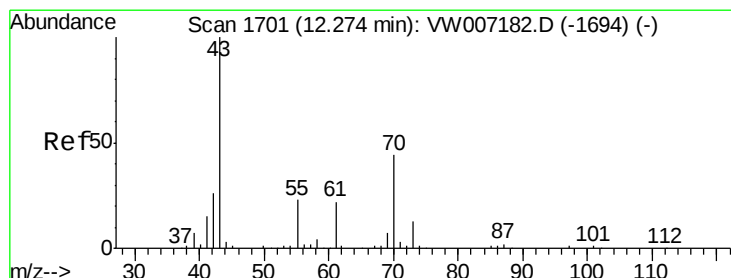
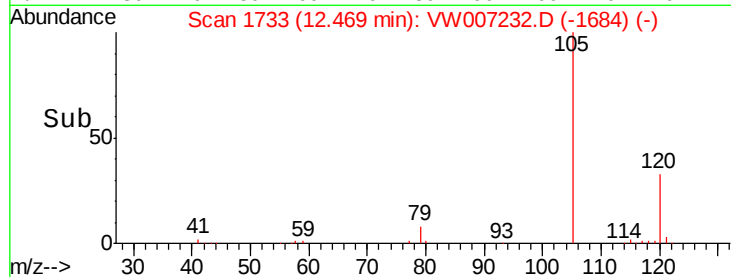
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.299 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Tgt Ion: 43 Resp: 23084

Ion Ratio Lower Upper

43 100

70 43.4 34.0 51.0

55 25.3 19.0 28.6

61 25.2 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

20000

15000

10000

5000

0

12.27

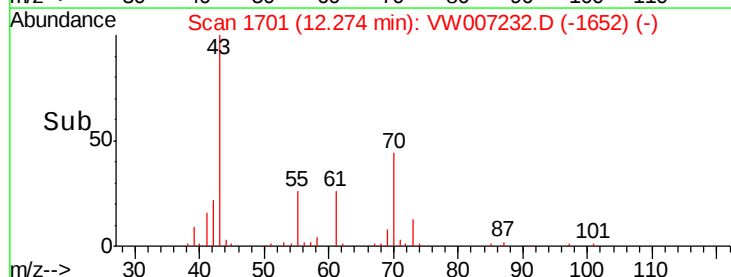
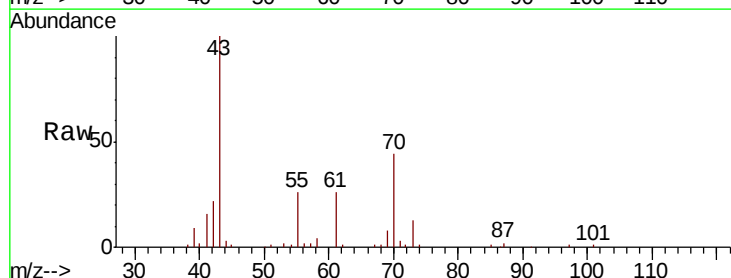
12.20

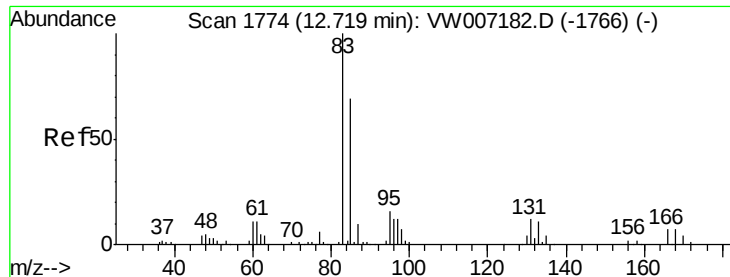
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.698 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

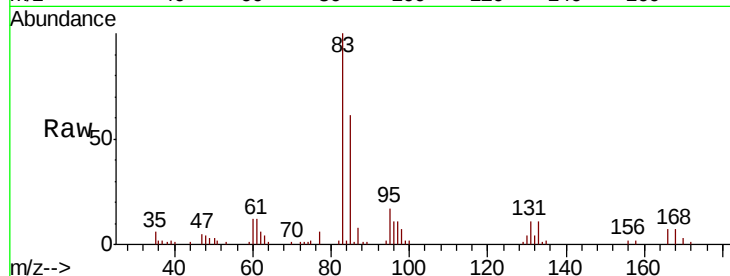
ClientSampleId :

VW1205SBS01

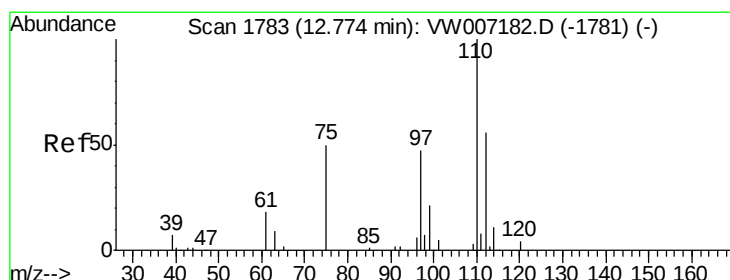
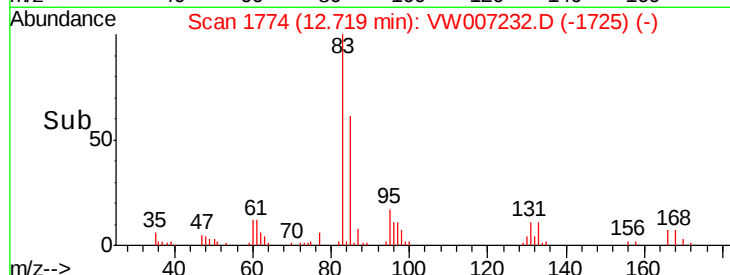
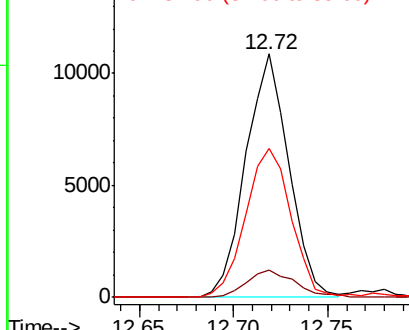
Tgt Ion:	83	Resp:	17226
Ion Ratio	Lower	Upper	
83	100		
131	12.6	6.0	18.1
85	64.4	33.0	99.0

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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



#76

1,2,3-Trichloropropane

Concen: 18.939 ug/l m

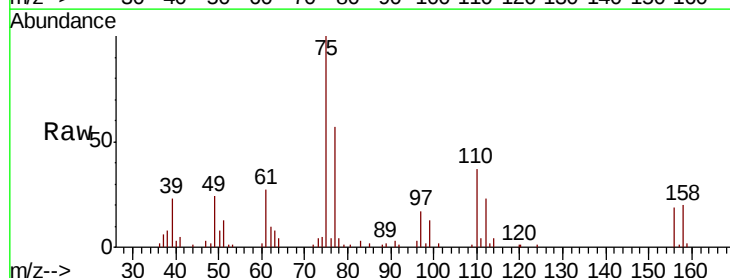
RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

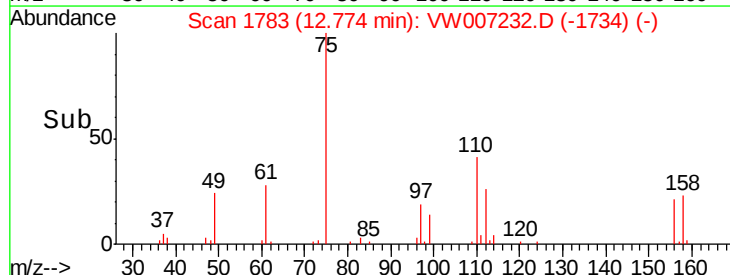
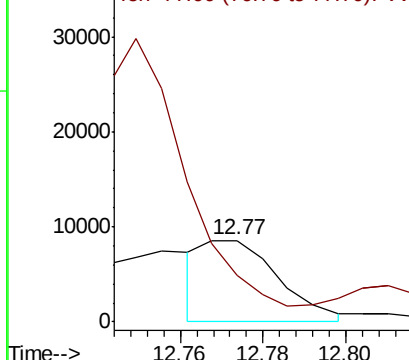
Lab File: VW007232.D

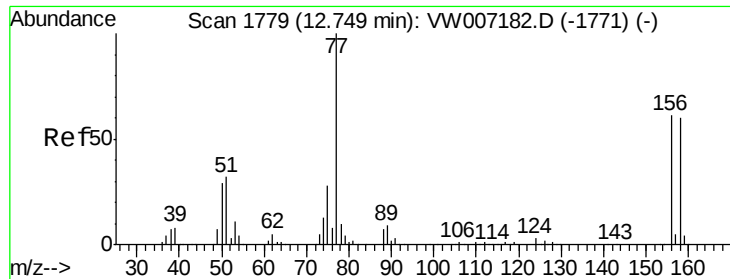
Acq: 05 Dec 2018 15:47

Tgt Ion:	75	Resp:	11022
Ion Ratio	Lower	Upper	
75	100		
77	0.0	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: 21.016 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Instrument :

MSVOA_W

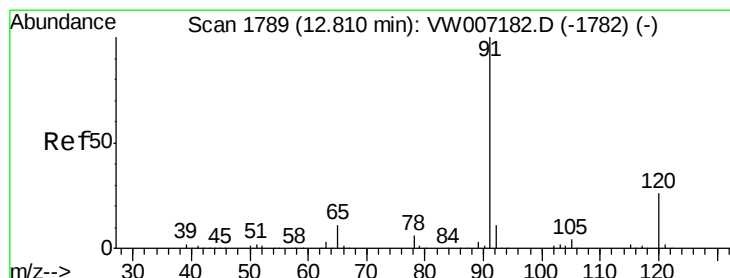
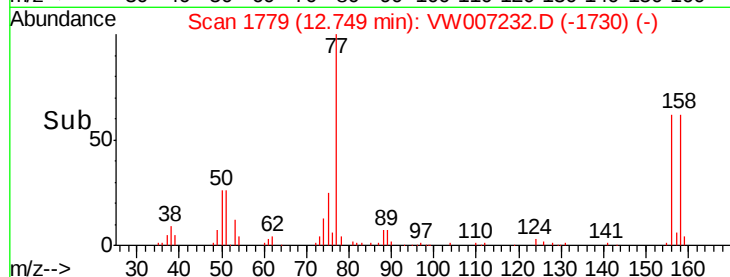
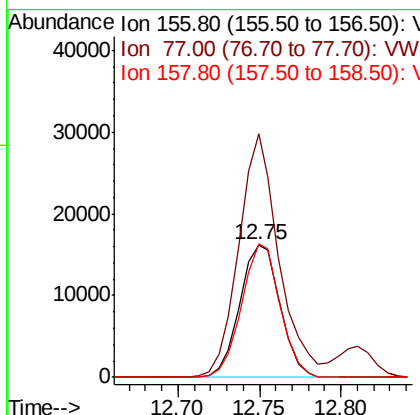
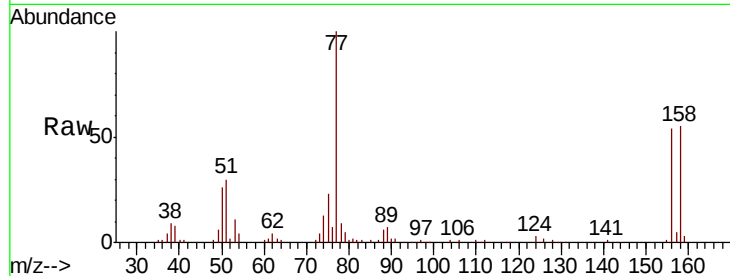
ClientSampleId :

VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	183.1	92.0	276.1
158	95.9	49.0	147.0

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#78

n-propylbenzene

Concen: 21.404 ug/l

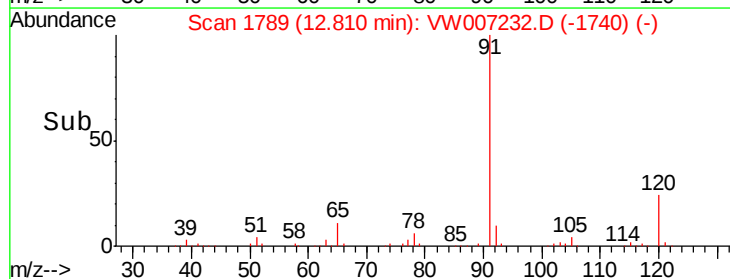
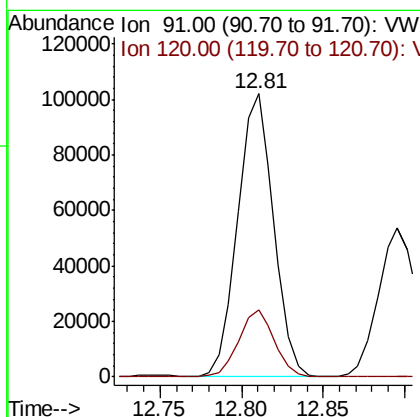
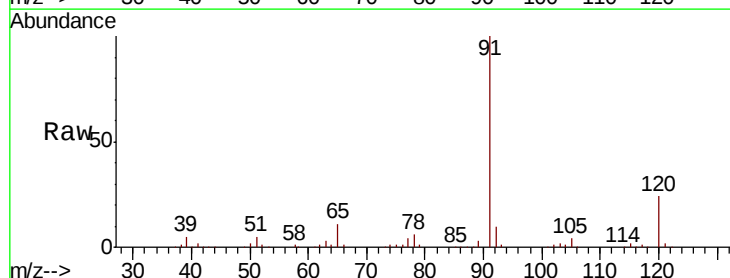
RT: 12.81 min Scan# 1789

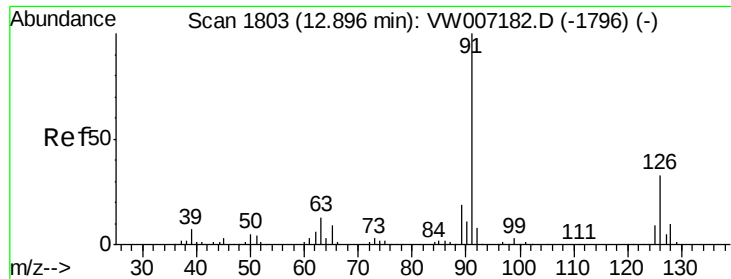
Delta R.T. -0.00 min

Lab File: VW007232.D

Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	12.5	37.5





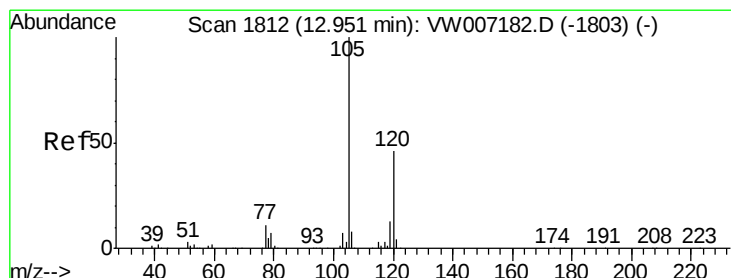
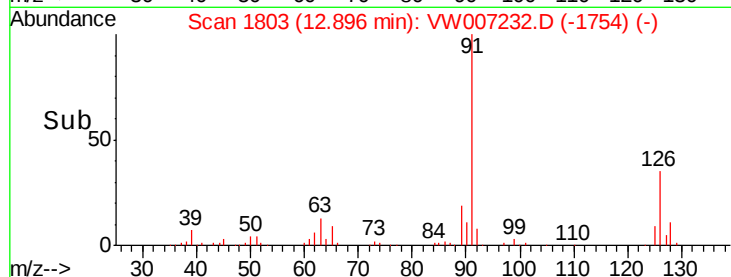
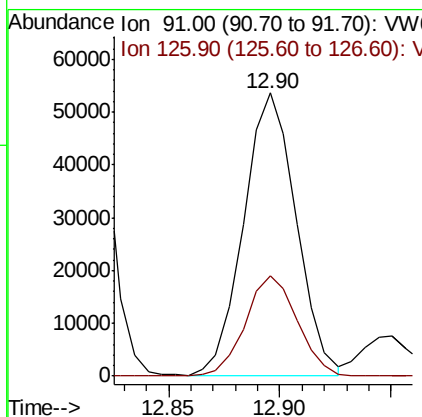
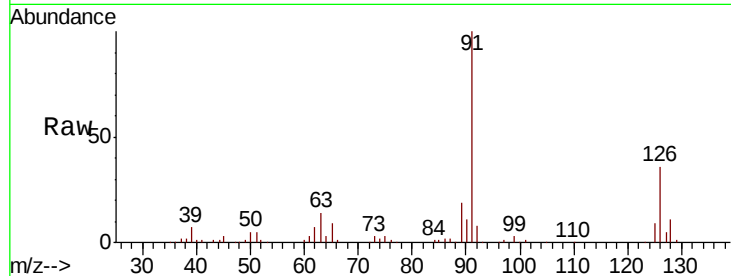
#79
2-Chlorotoluene
Concen: 21.348 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion: 91 Resp: 87799
Ion Ratio Lower Upper
91 100
126 35.1 16.7 50.1

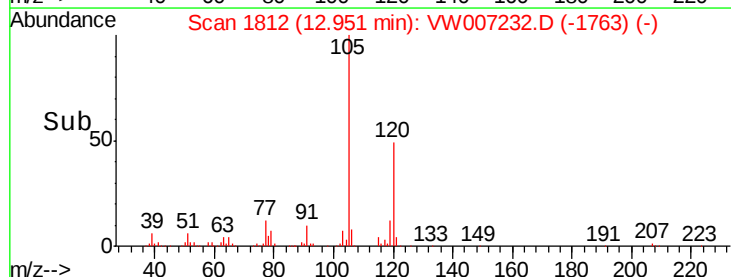
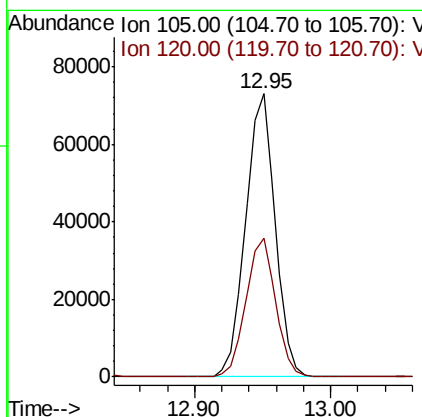
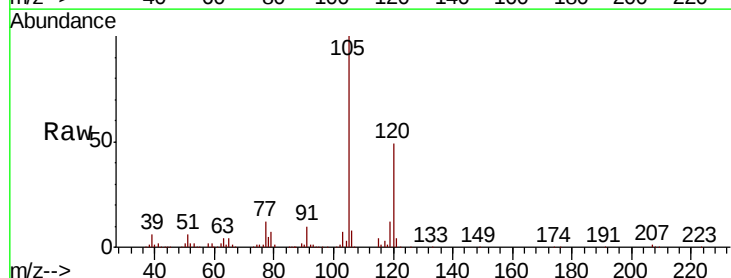
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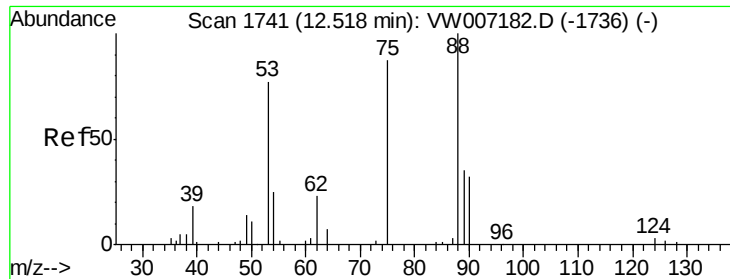
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 21.183 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion: 105 Resp: 110778
Ion Ratio Lower Upper
105 100
120 49.2 23.8 71.5





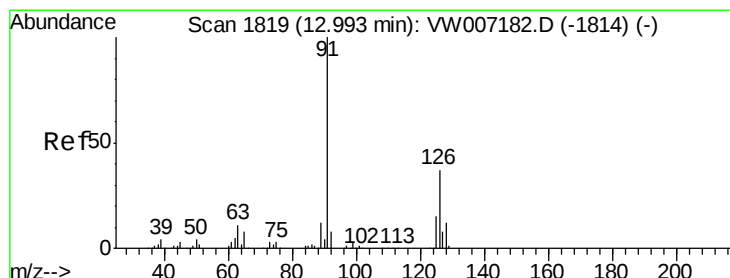
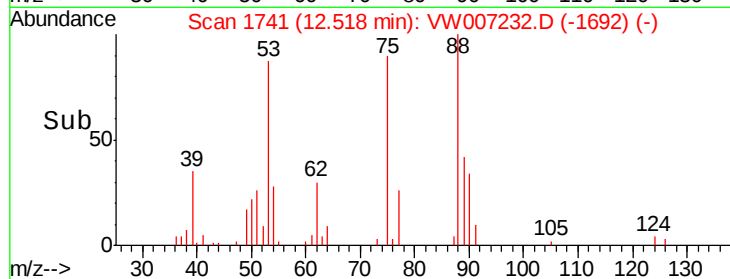
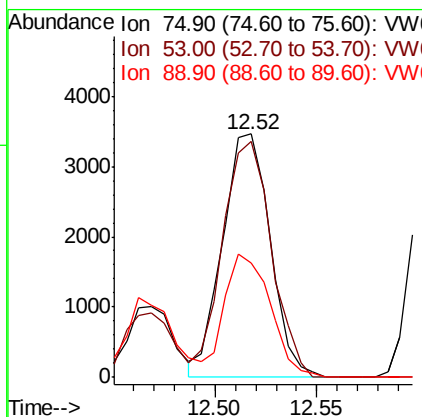
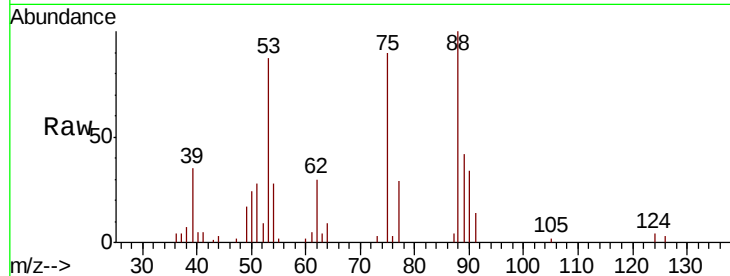
#81
trans-1,4-Dichloro-2-butene
Concen: 20.799 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.6	72.8	109.2
89	48.8	36.4	54.6

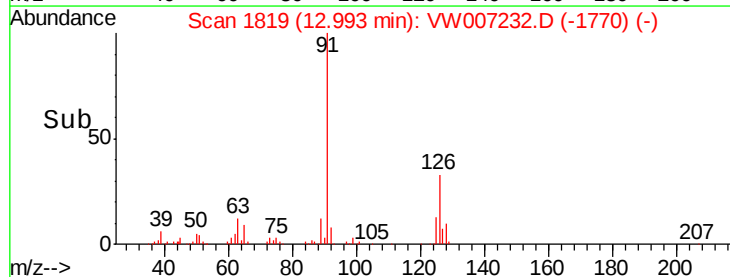
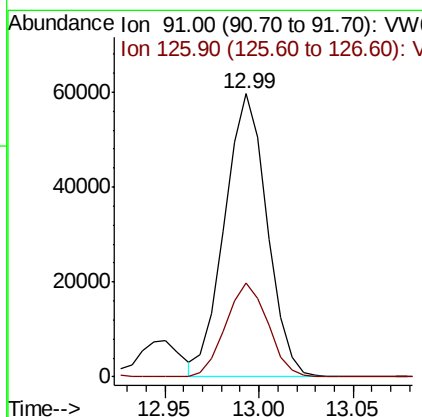
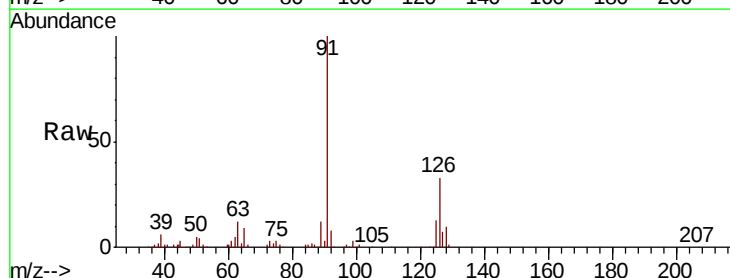
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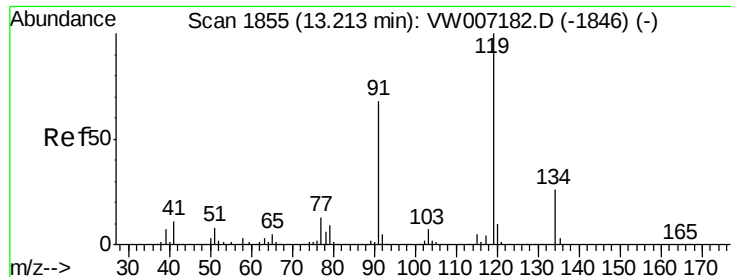
apatel
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#82
4-Chlorotoluene
Concen: 21.286 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.4	52.3





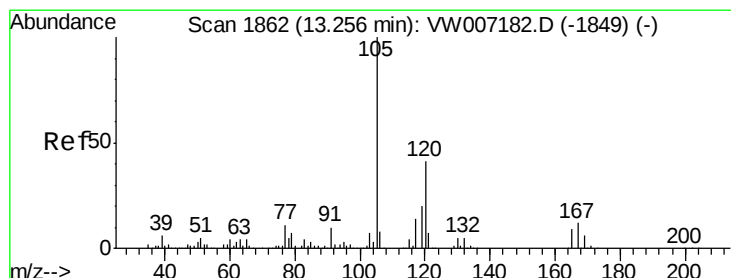
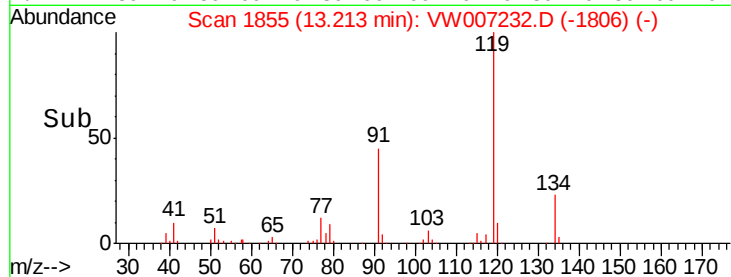
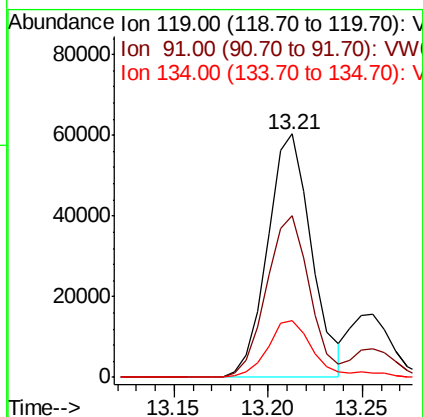
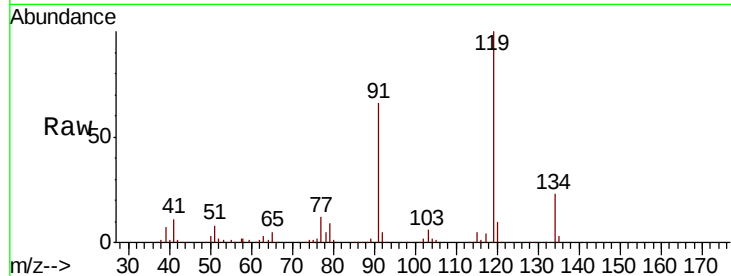
#83
 tert-Butylbenzene
 Concen: 21.335 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.6	34.0	101.8
134	23.4	13.2	39.5

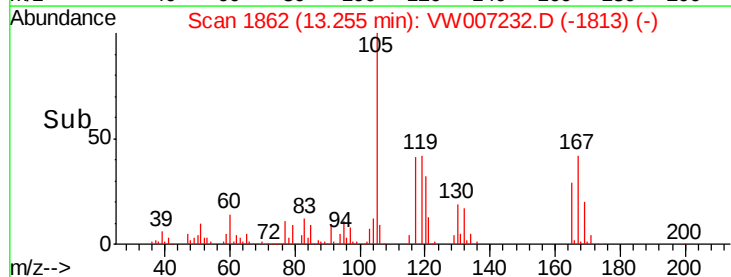
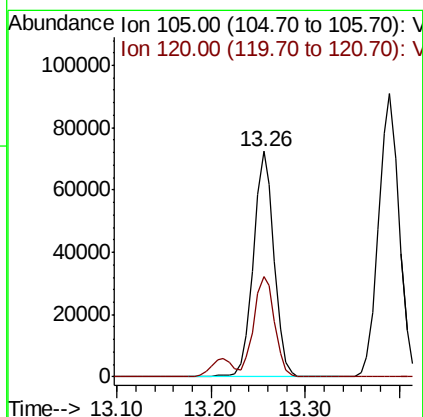
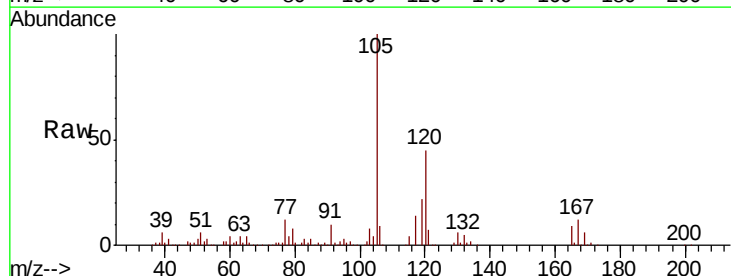
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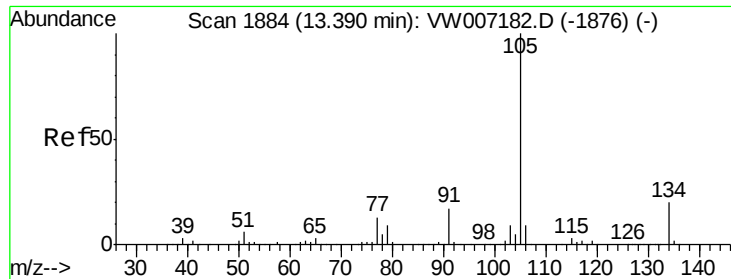
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.021 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	21.1	63.3





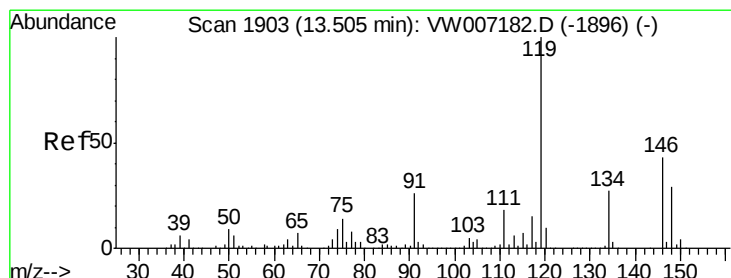
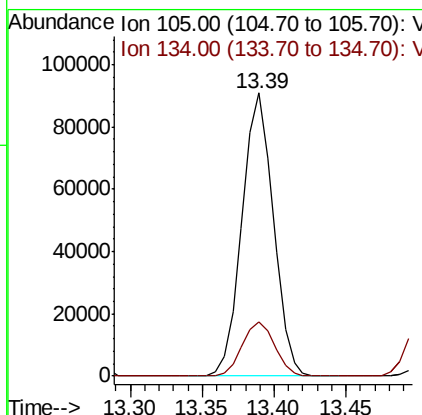
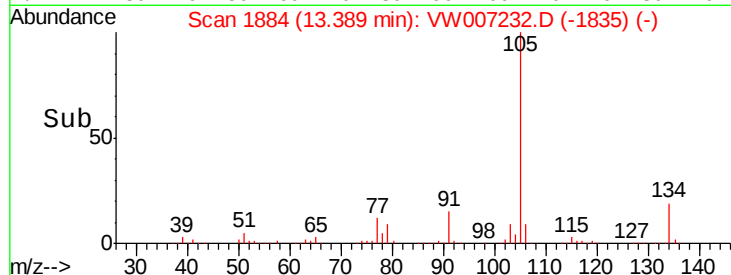
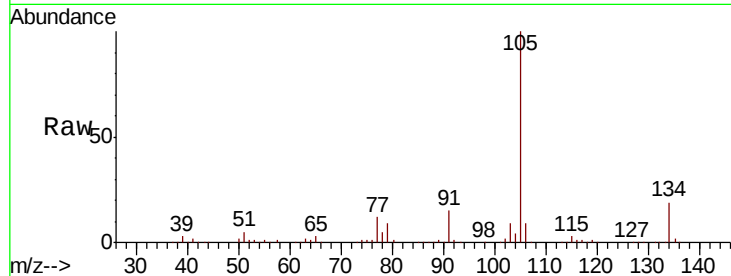
#85
 sec-Butylbenzene
 Concen: 21.076 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tgt Ion:105 Resp: 137508
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.3 30.8

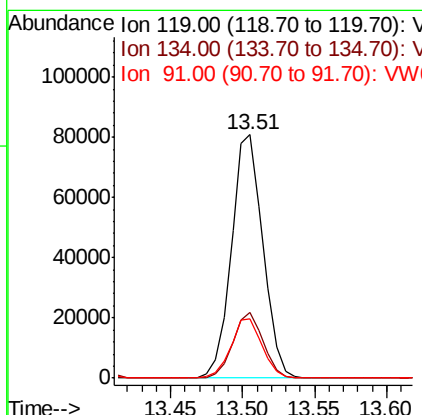
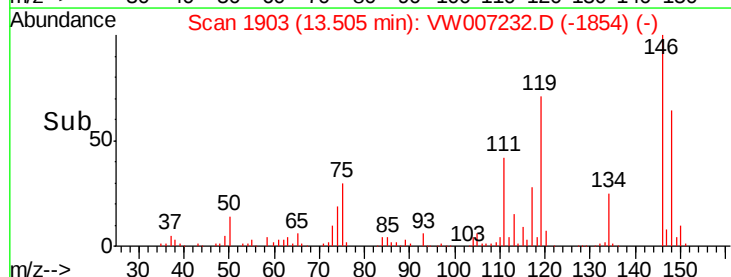
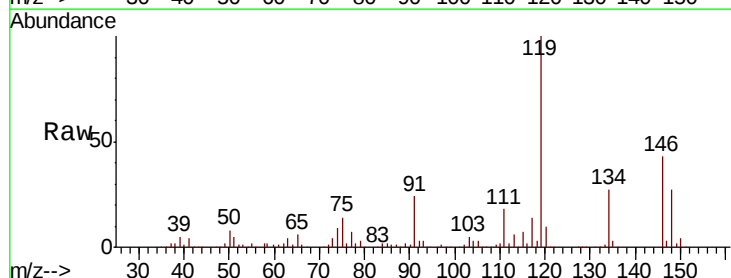
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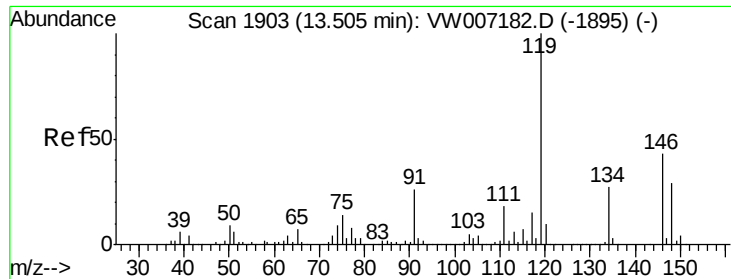
apatel
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#86
 p-Isopropyltoluene
 Concen: 21.147 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion:119 Resp: 122822
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.6
 91 24.3 12.4 37.2





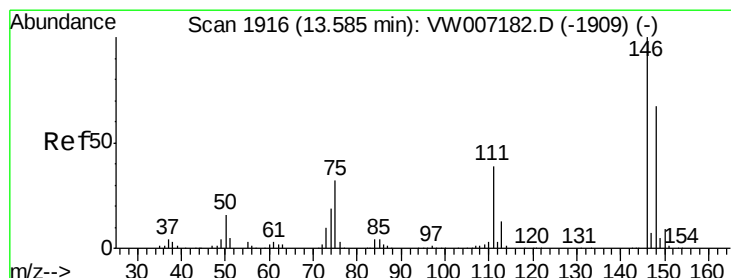
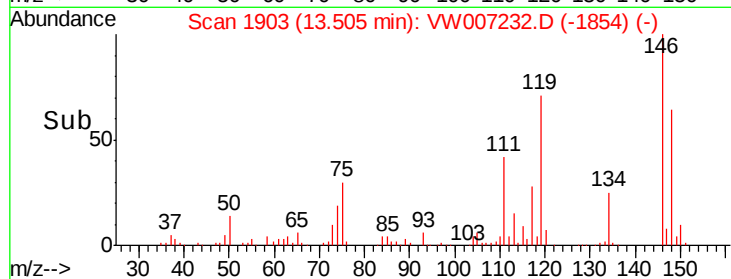
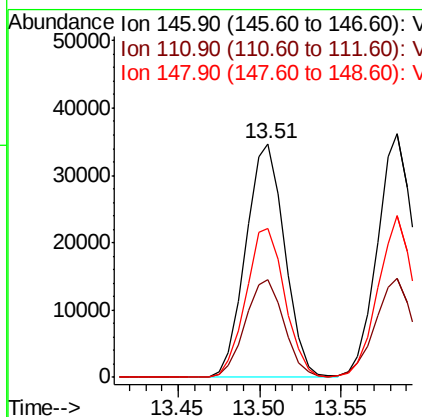
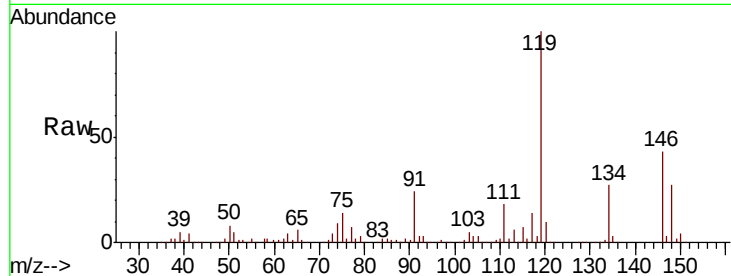
#87
 1,3-Dichlorobenzene
 Concen: 21.202 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.4
148	63.8	32.8	98.4

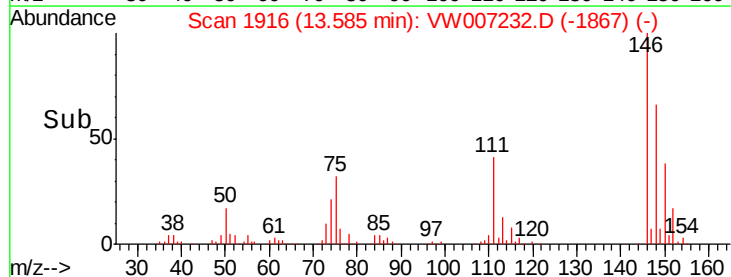
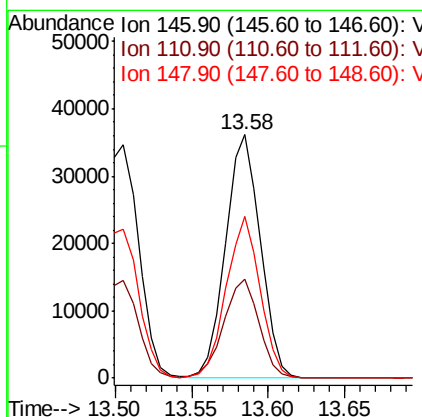
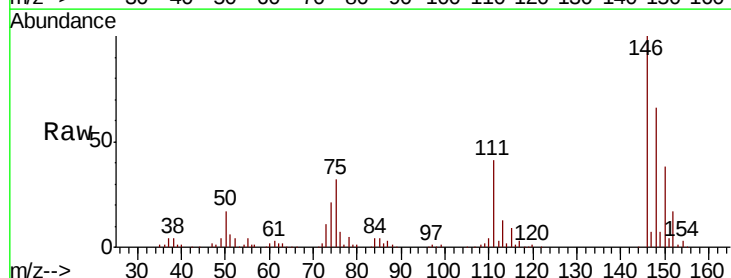
Manual Integrations
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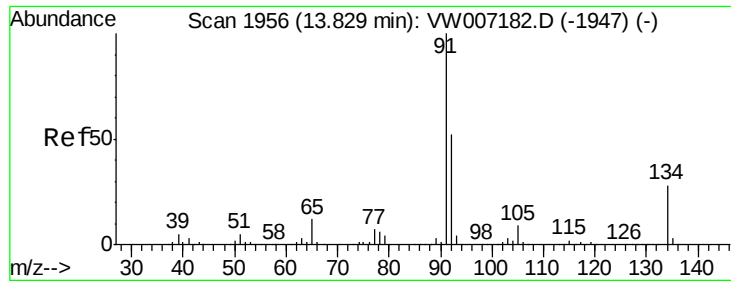
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.884 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.6	58.8
148	64.4	32.6	98.0





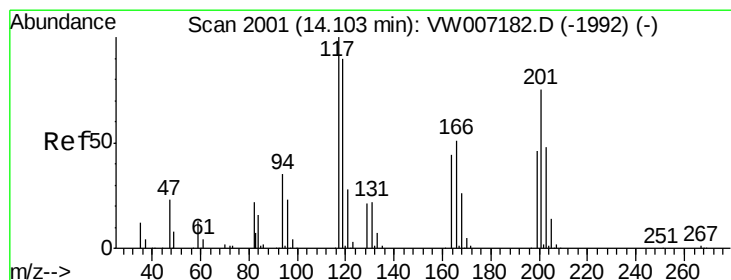
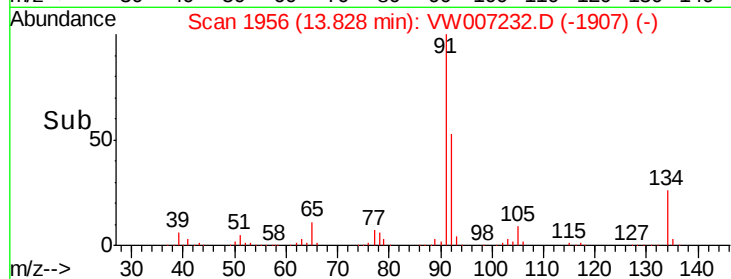
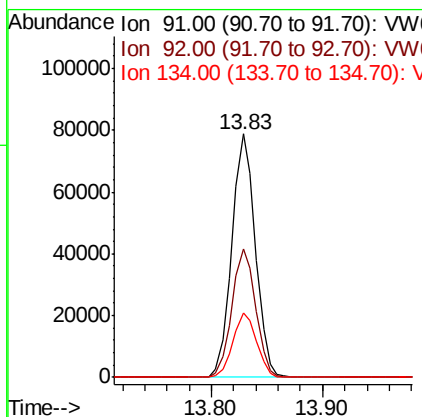
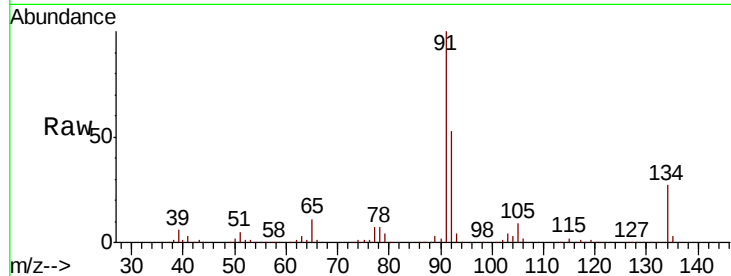
#89
n-Butylbenzene
Concen: 21.150 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.5
134	26.7	14.1	42.2

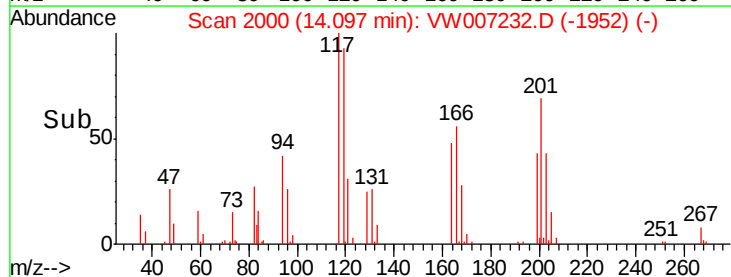
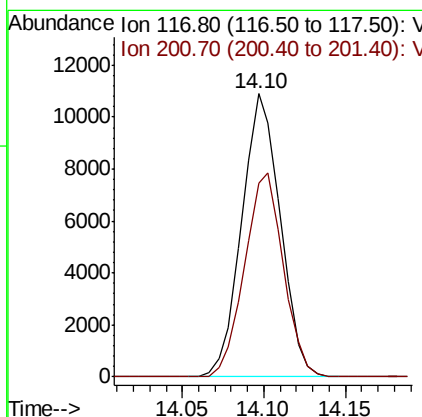
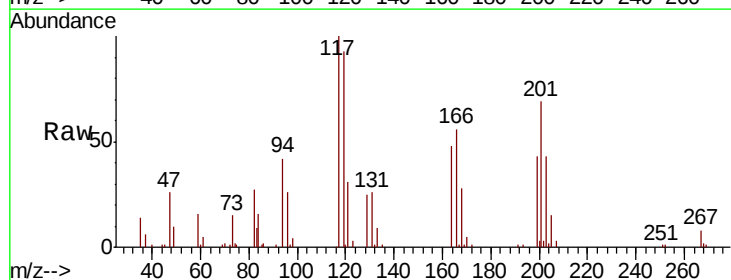
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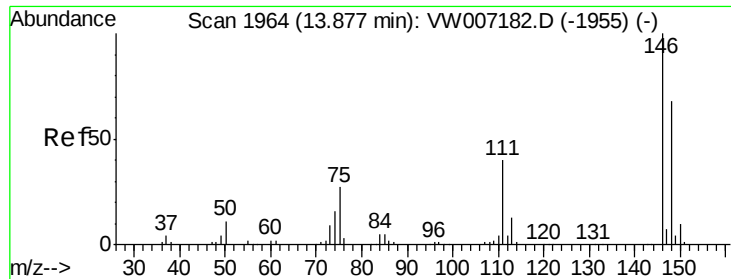
apatel
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#90
Hexachloroethane
Concen: 20.265 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.4	36.0	108.1





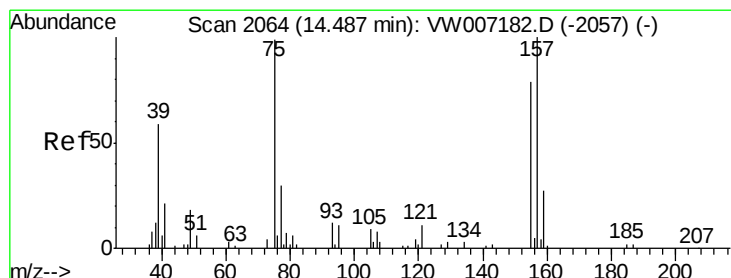
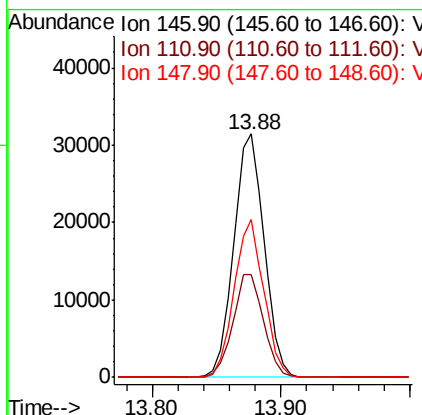
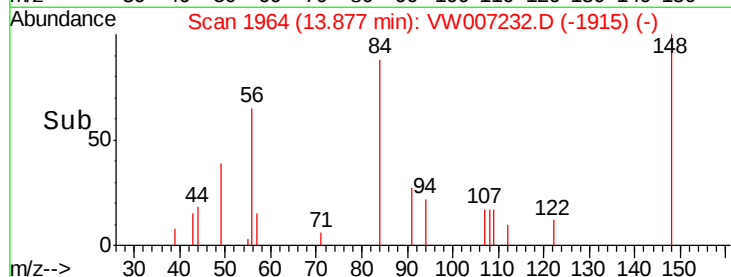
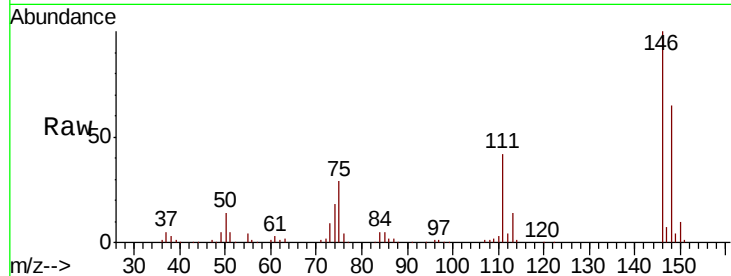
#91
 1,2-Dichlorobenzene
 Concen: 21.942 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.3	32.7	98.1

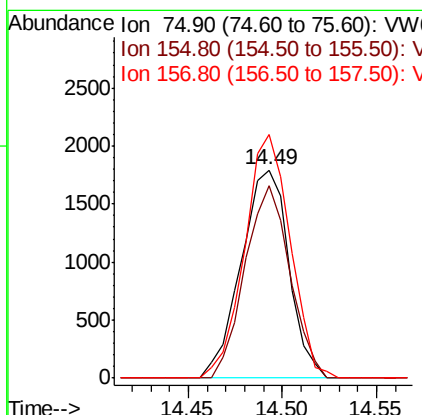
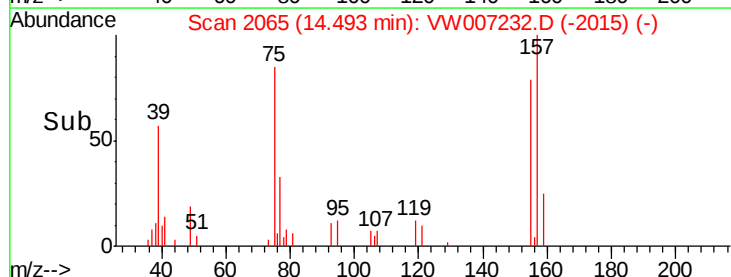
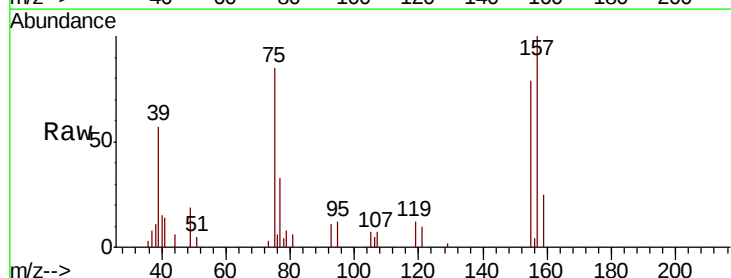
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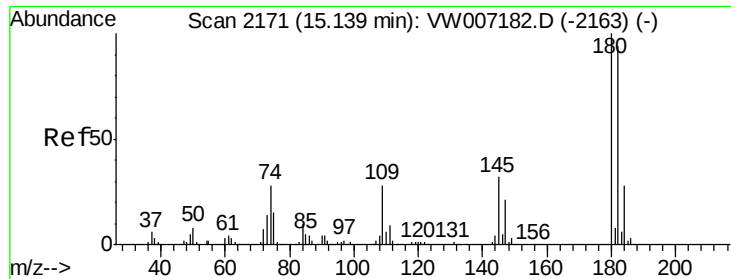
apatel
 12/6/2018 12:55:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.462 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007232.D
 Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	42.4	127.2
157	111.7	55.3	165.9





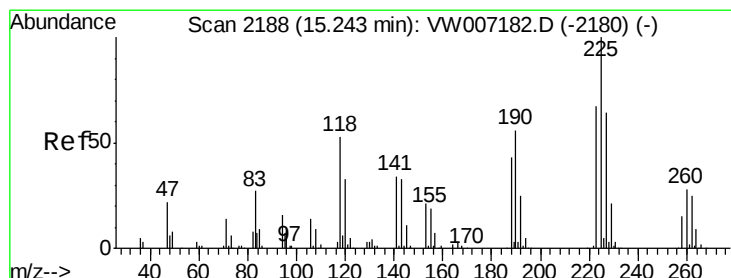
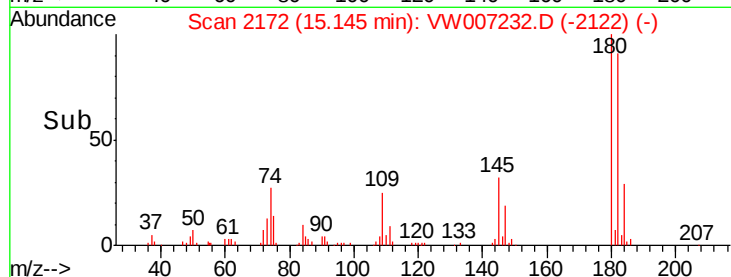
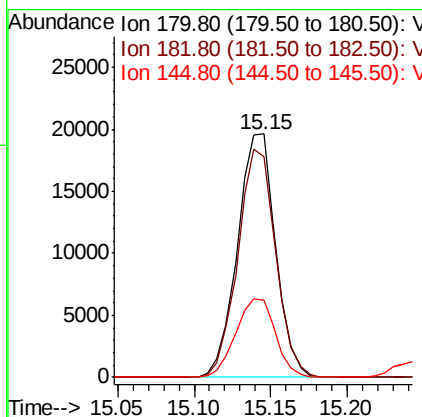
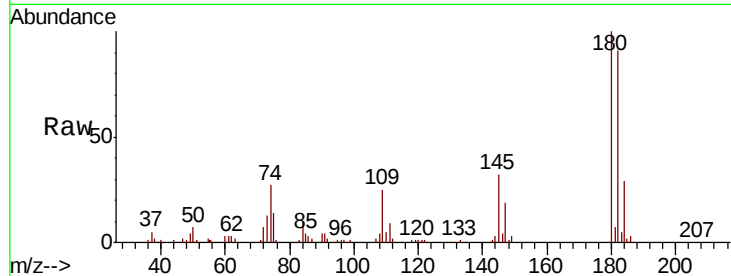
#93
1,2,4-Trichlorobenzene
Concen: 20.845 ug/l
RT: 15.15 min Scan# 2172
Delta R.T. 0.01 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	33876		
182	93.2	47.9	143.8	
145	33.4	16.6	49.7	

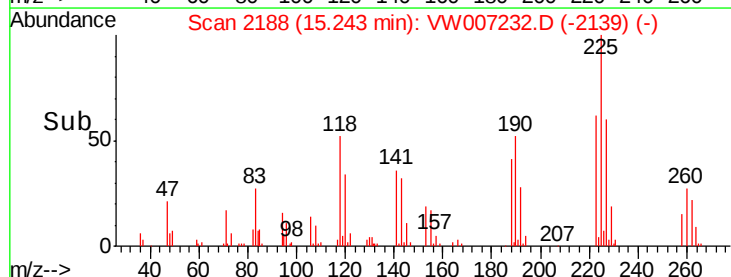
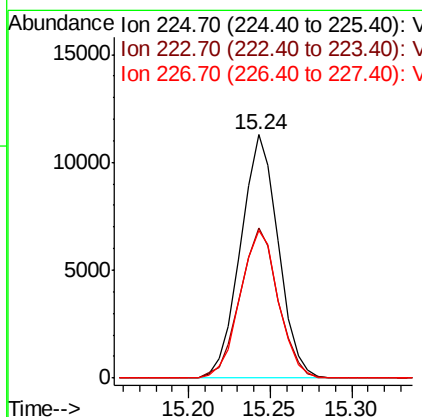
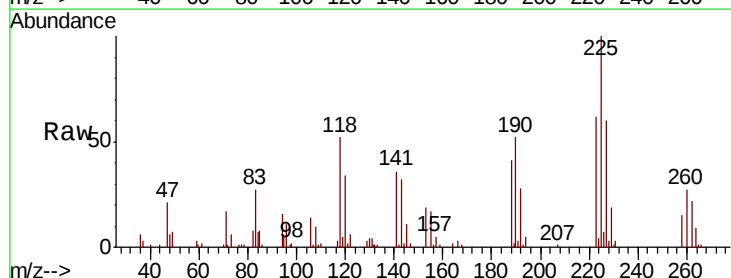
Manual Integrations
APPROVED

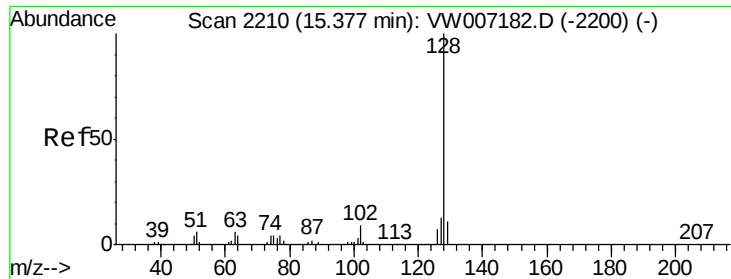
apatel
12/6/2018 12:55:53 PM



#94
Hexachlorobutadiene
Concen: 20.712 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18151		
223	62.5	32.3	96.8	
227	61.1	32.1	96.3	





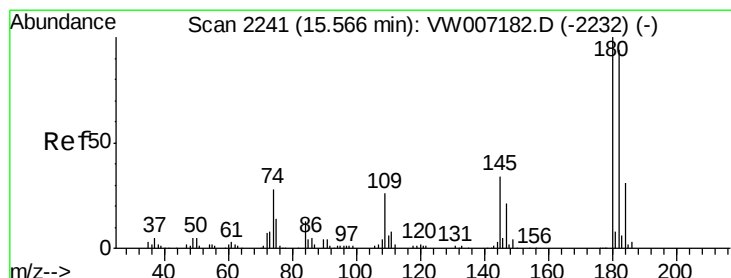
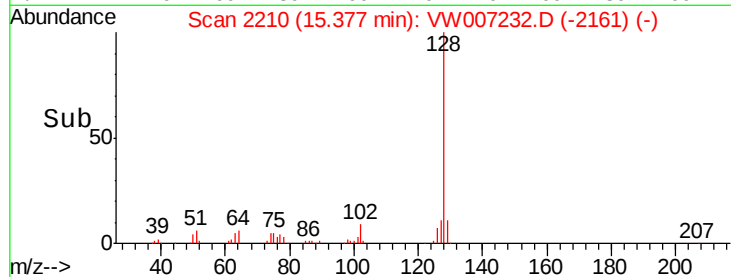
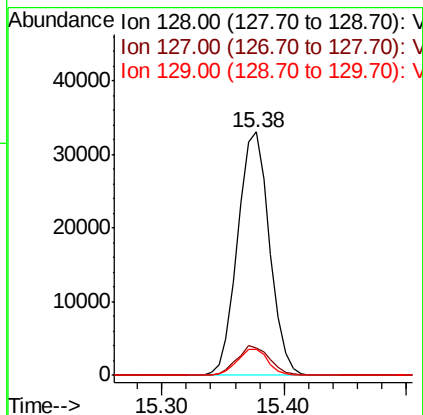
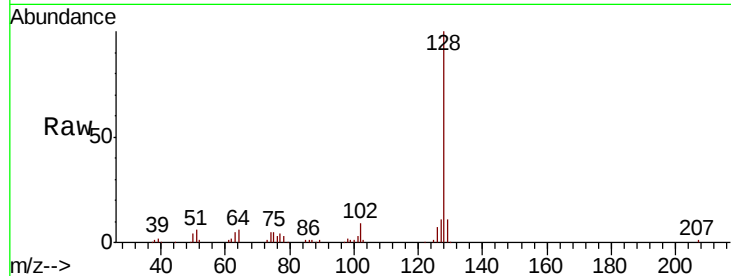
#95
Naphthalene
Concen: 20.517 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Instrument :
MSVOA_W
ClientSampleId :
VW1205SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	10.5	8.6	13.0

Manual Integrations
APPROVED

apatel
12/6/2018 12:55:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.035 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007232.D
Acq: 05 Dec 2018 15:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	37.3	17.6	52.8

