

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122618\
 Data File : VW007906.D
 Acq On : 25 Dec 2018 00:04
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 12/27/2018 11:17:11 AM

Quant Time: Dec 25 03:58:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 25 03:37:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	139028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62287	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	18169	19.80	ug/l	0.00
Spiked Amount			Recovery	=	39.60%	
35) Dibromofluoromethane	7.88	113	16009	18.72	ug/l	0.00
Spiked Amount			Recovery	=	37.44%	
50) Toluene-d8	10.32	98	61085	18.90	ug/l	0.00
Spiked Amount			Recovery	=	37.80%	
62) 4-Bromofluorobenzene	12.62	95	23912	19.15	ug/l	0.00
Spiked Amount			Recovery	=	38.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12362m	17.283	ug/l	
3) Chloromethane	2.21	50	10579	22.520	ug/l	97
4) Vinyl Chloride	2.37	62	12988	21.888	ug/l	97
5) Bromomethane	2.78	94	8137	19.863	ug/l	99
6) Chloroethane	2.92	64	6490	20.332	ug/l	89
7) Trichlorofluoromethane	3.25	101	9091	15.640	ug/l	87
8) Diethyl Ether	3.68	74	8590	23.246	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15499	17.834	ug/l	98
10) Methyl Iodide	4.26	142	25570	18.433	ug/l	99
11) Tert butyl alcohol	5.17	59	7388	118.182	ug/l	98
12) 1,1-Dichloroethene	4.03	96	15734	19.471	ug/l	90
13) Acrolein	3.89	56	4395	93.185	ug/l	98
14) Allyl chloride	4.66	41	22562	20.643	ug/l	98
15) Acrylonitrile	5.37	53	16958	105.744	ug/l	97
16) Acetone	4.12	43	15387	91.968	ug/l	97
17) Carbon Disulfide	4.37	76	41988	16.986	ug/l	98
18) Methyl Acetate	4.67	43	9662	22.776	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	26766	22.237	ug/l	99
20) Methylene Chloride	4.91	84	23946	22.976	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	16861	18.905	ug/l	96
22) Diisopropyl ether	6.31	45	46071	22.390	ug/l	98
23) Vinyl Acetate	6.25	43	129887	107.360	ug/l	97
24) 1,1-Dichloroethane	6.21	63	29409	19.796	ug/l	97
25) 2-Butanone	7.17	43	21547	106.106	ug/l	99
26) 2,2-Dichloropropane	7.17	77	19112	17.914	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	18511	19.332	ug/l	99
28) Bromochloromethane	7.51	49	11189	21.937	ug/l	100
29) Tetrahydrofuran	7.52	42	14264	116.258	ug/l	99
30) Chloroform	7.67	83	31999	19.246	ug/l	99
31) Cyclohexane	7.96	56	25802	19.081	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	27449	18.280	ug/l	97
36) 1,1-Dichloropropene	8.09	75	23689	17.709	ug/l	99
37) Ethyl Acetate	7.25	43	10184	21.453	ug/l	99
38) Carbon Tetrachloride	8.07	117	24627	15.901	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28991	17.418	ug/l	97
40) Benzene	8.32	78	67491	18.735	ug/l	99
41) Methacrylonitrile	7.49	41	5578	20.063	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	22794	18.947	ug/l	100
43) Isopropyl Acetate	8.43	43	19761	20.744	ug/l	97
44) Trichloroethene	9.09	130	19127	17.755	ug/l	100
45) 1,2-Dichloropropane	9.37	63	16061	19.903	ug/l	97
46) Dibromomethane	9.46	93	9198	18.794	ug/l	96
47) Bromodichloromethane	9.65	83	22831	17.764	ug/l	98
48) Methyl methacrylate	9.44	41	9696	20.327	ug/l	97
49) 1,4-Dioxane	9.45	88	3275	418.033	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	47559	104.987	ug/l	100
52) Toluene	10.39	92	44492	18.465	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	23431	18.210	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	26142	18.393	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	12826	18.815	ug/l	98
56) Ethyl methacrylate	10.65	69	15875	19.649	ug/l	100
57) 1,3-Dichloropropane	10.93	76	22233	19.556	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	38852	104.498	ug/l	99
59) 2-Hexanone	10.97	43	32672	102.970	ug/l	98
60) Dibromochloromethane	11.13	129	14964	16.859	ug/l	100
61) 1,2-Dibromoethane	11.24	107	12830	18.623	ug/l	99
64) Tetrachloroethene	10.87	164	16012	17.703	ug/l	96
65) Chlorobenzene	11.66	112	49154	17.751	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	17091	17.379	ug/l	98
67) Ethyl Benzene	11.73	91	87196	18.298	ug/l	100
68) m/p-Xylenes	11.84	106	66462	36.101	ug/l	99
69) o-Xylene	12.17	106	31761	18.365	ug/l	100
70) Styrene	12.18	104	52229	18.357	ug/l	100
71) Bromoform	12.35	173	7799	15.551	ug/l #	98
73) Isopropylbenzene	12.47	105	88588	18.676	ug/l	100
74) N-amyl acetate	12.27	43	17956	21.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	14006	19.433	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	11466m	23.160	ug/l	
77) Bromobenzene	12.75	156	20146	18.571	ug/l	99
78) n-propylbenzene	12.81	91	101684	18.404	ug/l	100
79) 2-Chlorotoluene	12.90	91	60703	18.765	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	75555	18.464	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3917	17.008	ug/l	90
82) 4-Chlorotoluene	12.99	91	64583	18.837	ug/l	100
83) tert-Butylbenzene	13.21	119	66042	18.398	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	77716	18.812	ug/l	99
85) sec-Butylbenzene	13.39	105	91246	18.465	ug/l	100
86) p-Isopropyltoluene	13.51	119	81981	18.280	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	39992	18.538	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39689	18.454	ug/l	99
89) n-Butylbenzene	13.83	91	73887	17.957	ug/l	100
90) Hexachloroethane	14.10	117	12959	16.680	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	35889	18.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2565	17.494	ug/l	97

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VSTDICC020

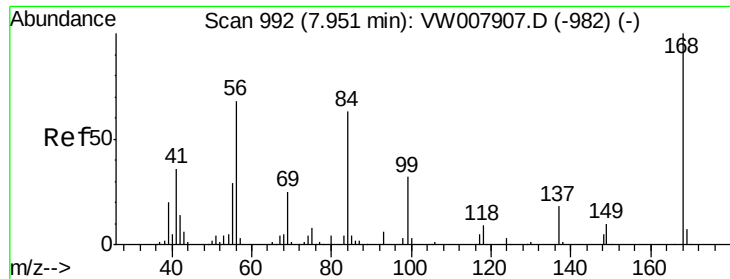
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24298	18.225	ug/l	99
94) Hexachlorobutadiene	15.24	225	12748	17.927	ug/l	99
95) Naphthalene	15.38	128	48632	19.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	21015	18.326	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 81363

Ion Ratio Lower Upper

168 100

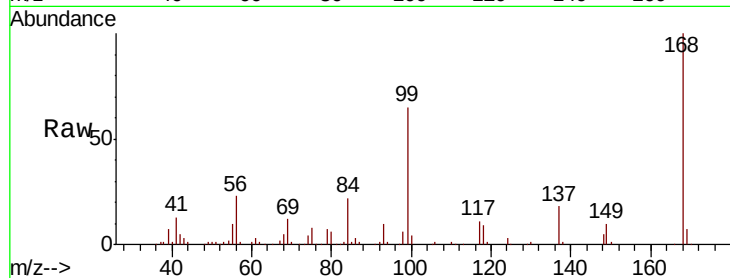
99 64.8 47.3 70.9

Manual Integrations

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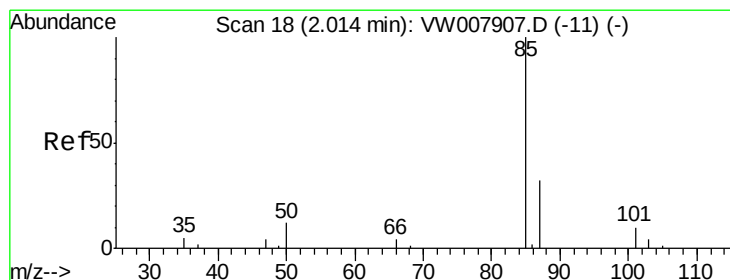
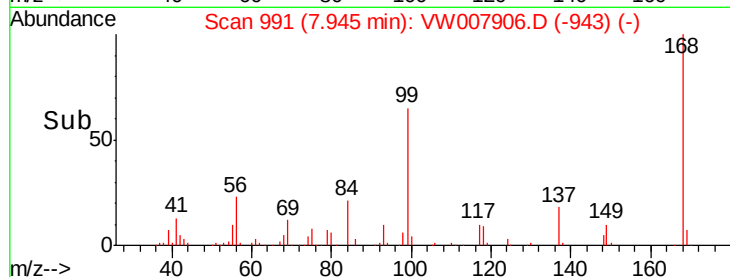
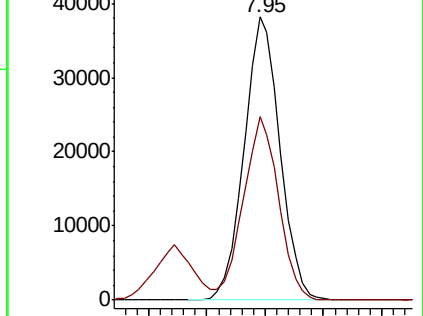
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.283 ug/l m

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW007906.D

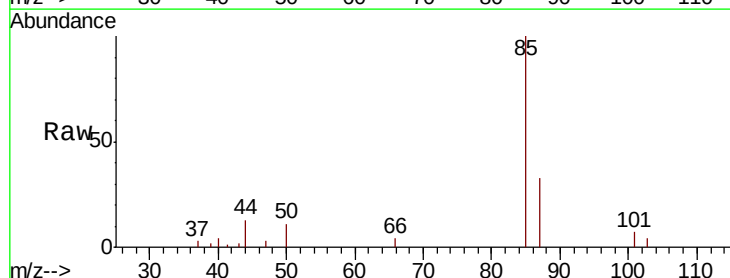
Acq: 25 Dec 2018 00:04

Tgt Ion: 85 Resp: 12362

Ion Ratio Lower Upper

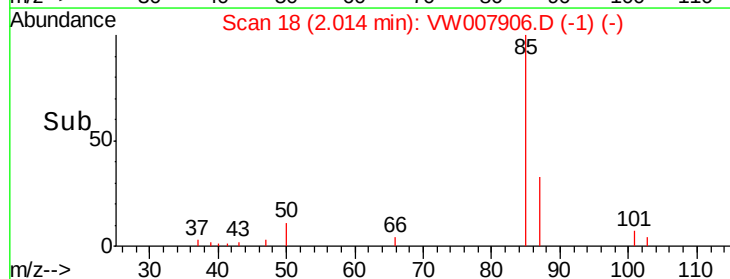
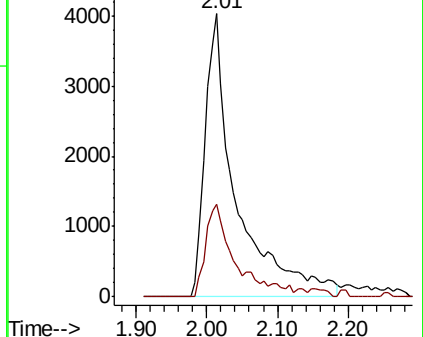
85 100

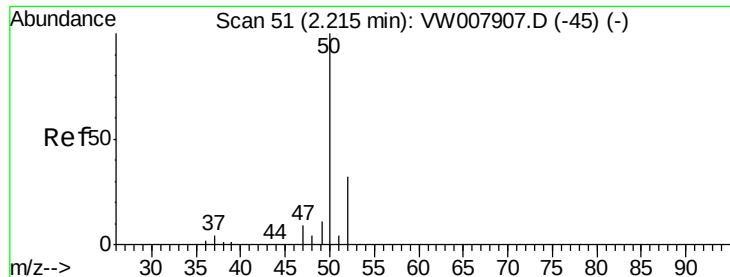
87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.520 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 10579

Ion Ratio Lower Upper

50 100

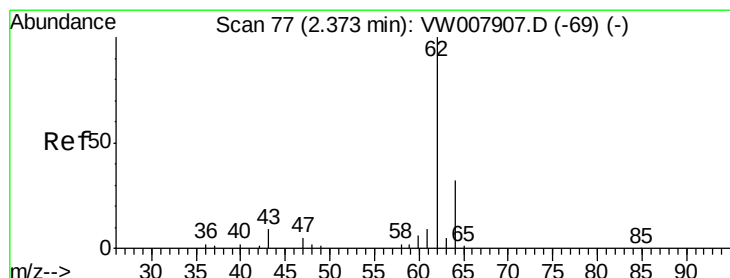
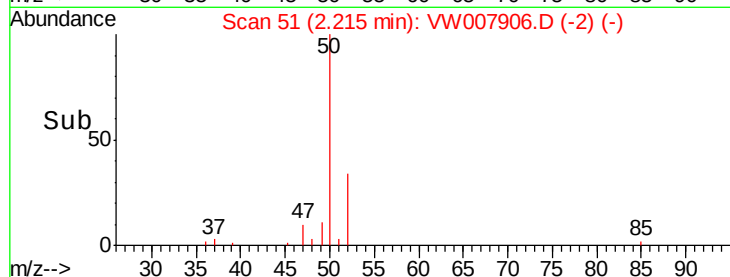
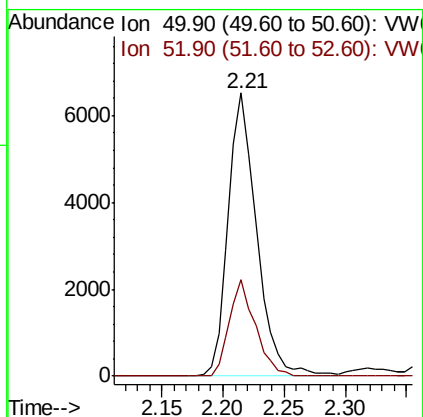
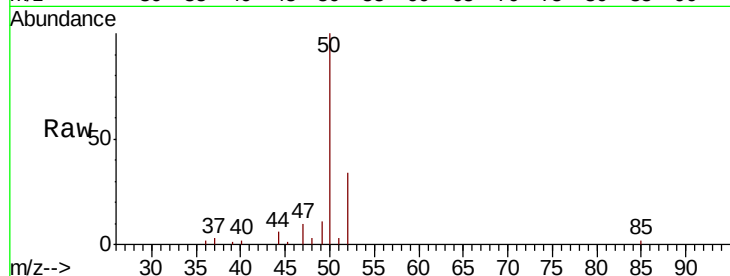
52 33.9 25.6 38.4

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#4

Vinyl Chloride

Concen: 21.888 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW007906.D

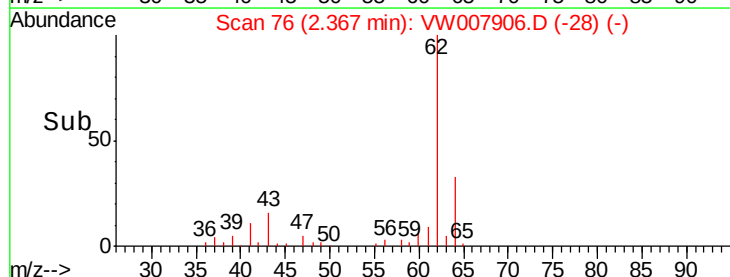
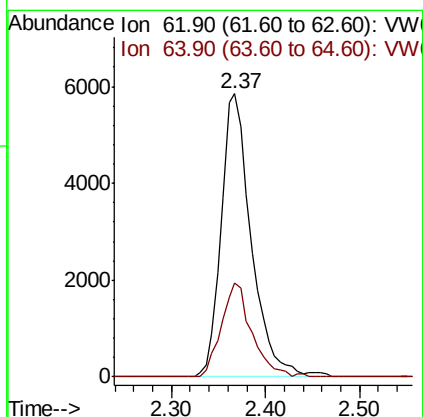
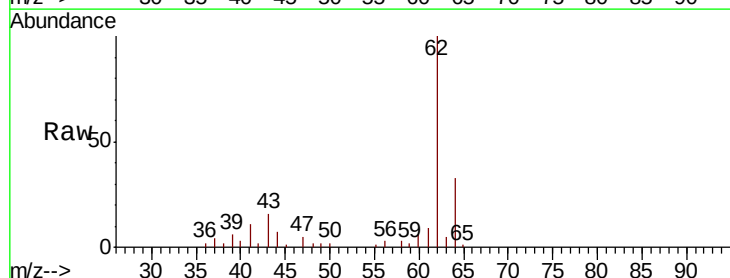
Acq: 25 Dec 2018 00:04

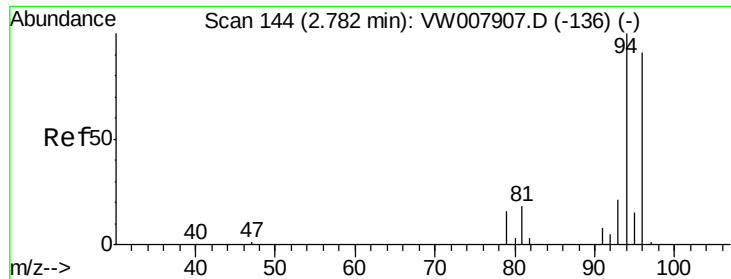
Tgt Ion: 62 Resp: 12988

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 19.863 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 8137

Ion Ratio Lower Upper

94 100

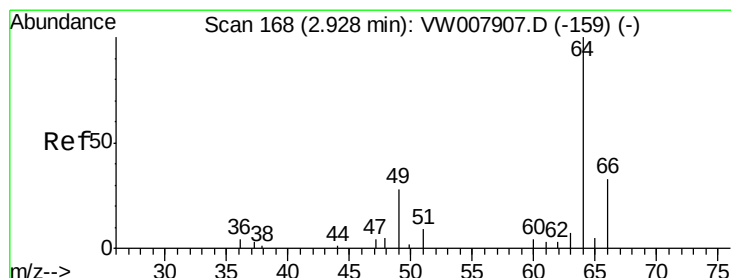
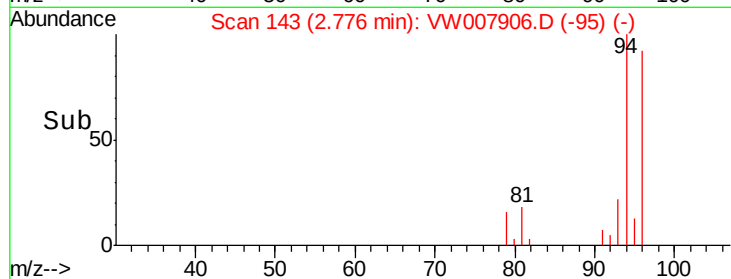
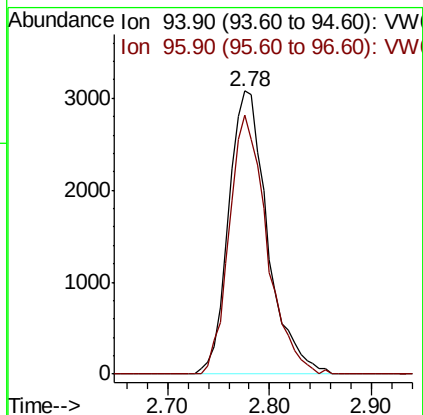
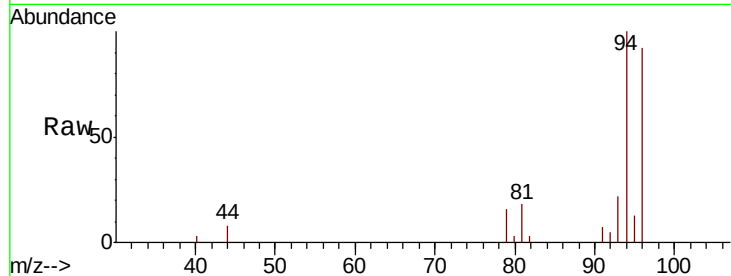
96 91.6 72.7 109.1

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#6

Chloroethane

Concen: 20.332 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007906.D

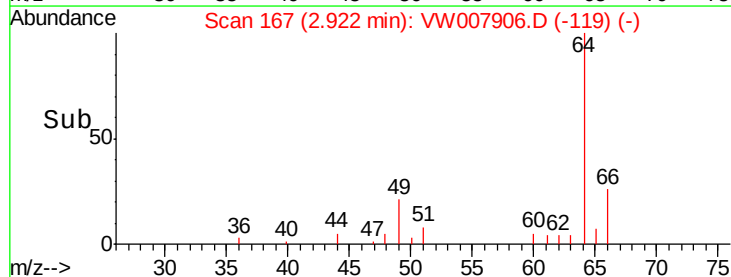
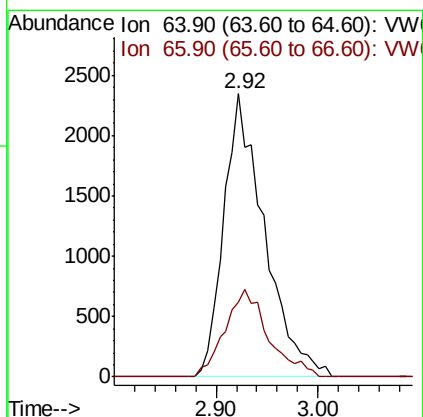
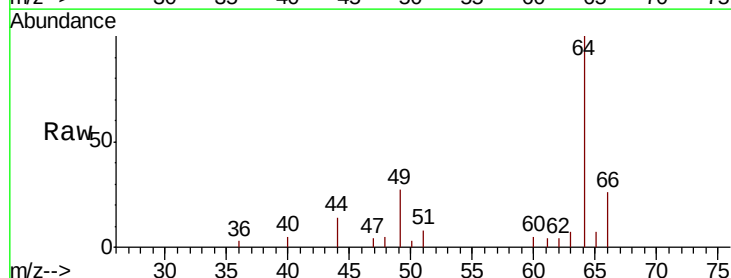
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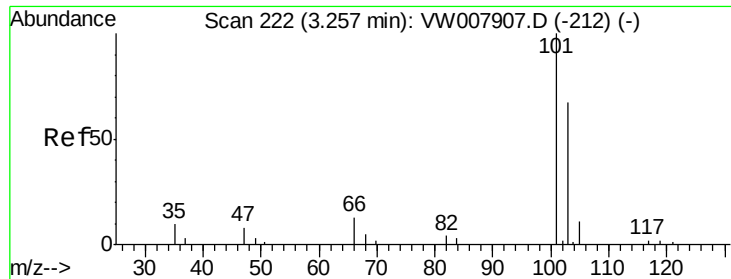
Tgt Ion: 64 Resp: 6490

Ion Ratio Lower Upper

64 100

66 26.4 26.2 39.2





#7

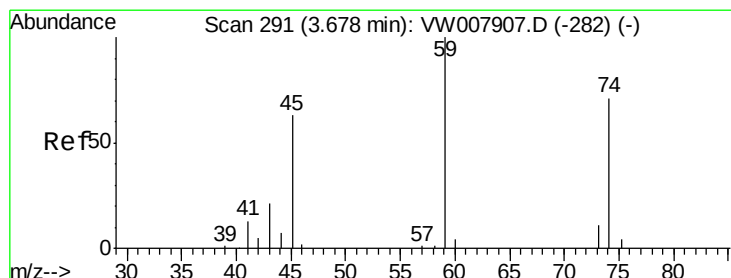
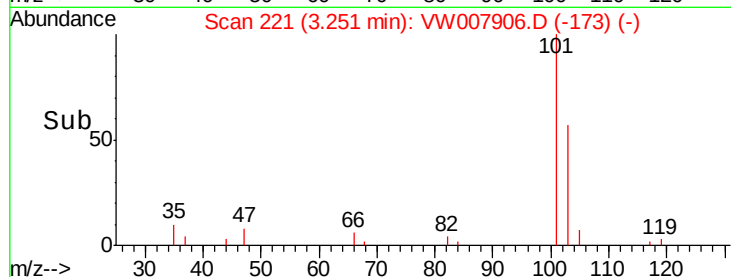
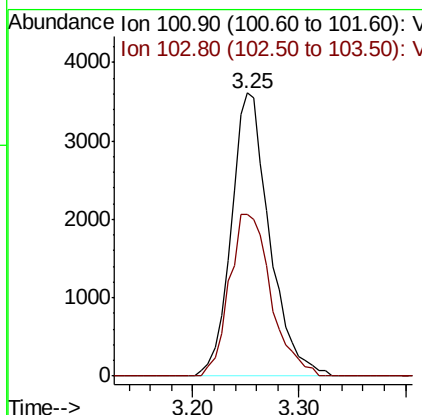
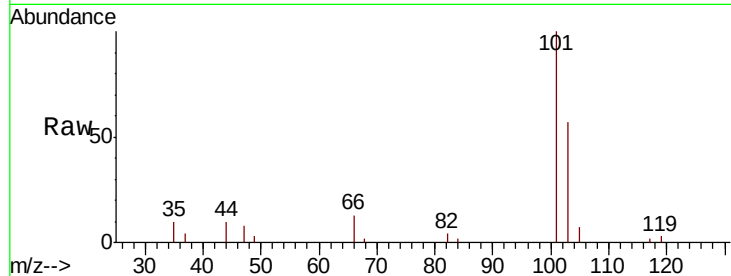
Trichlorofluoromethane
 Concen: 15.640 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

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 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.9	53.8	80.8

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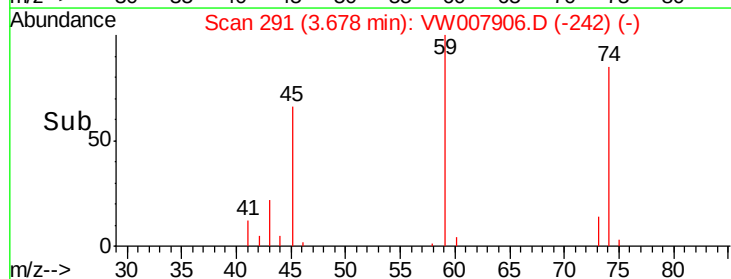
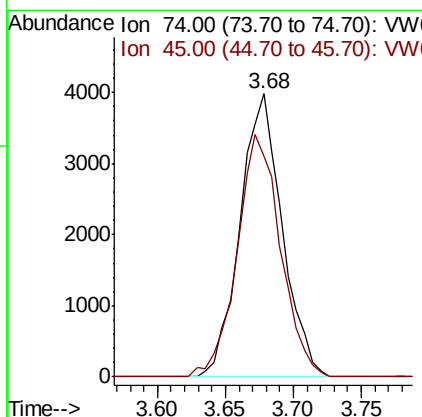
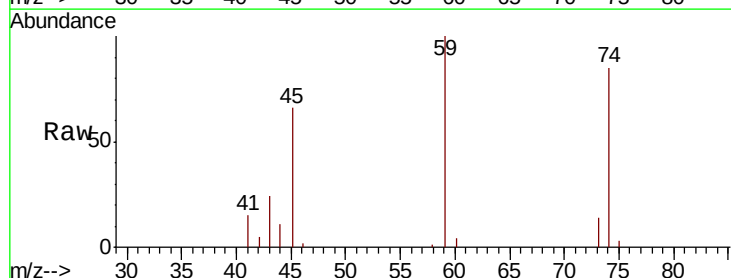
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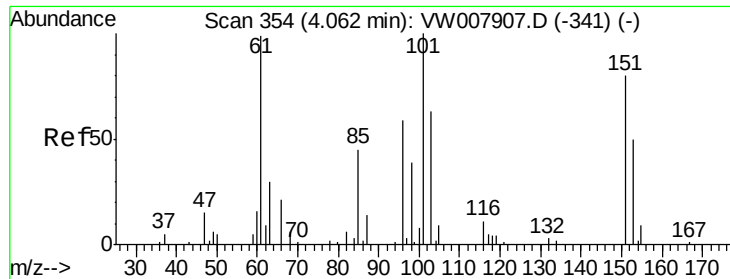


#8

Diethyl Ether
 Concen: 23.246 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.7	44.3	132.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.834 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW007906.D

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MSVOA_W

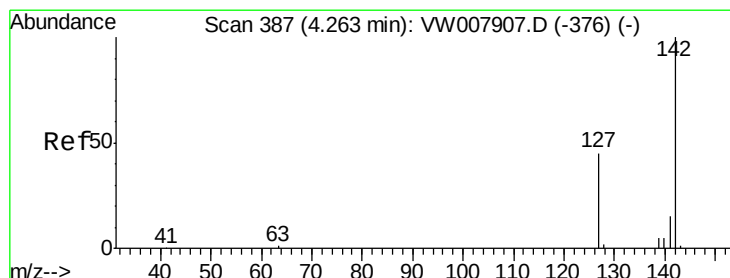
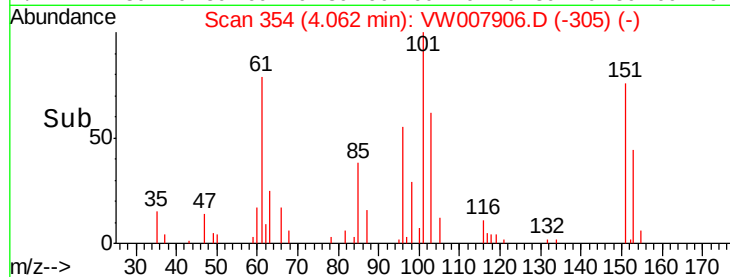
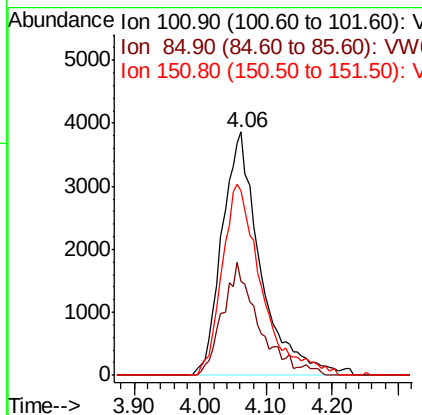
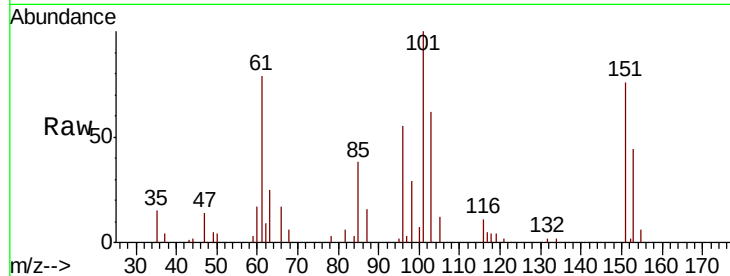
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	15499
Ion Ratio	Lower	Upper	
101	100		
85	42.3	35.8	53.6
151	80.2	63.2	94.8

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#10

Methyl Iodide

Concen: 18.433 ug/l

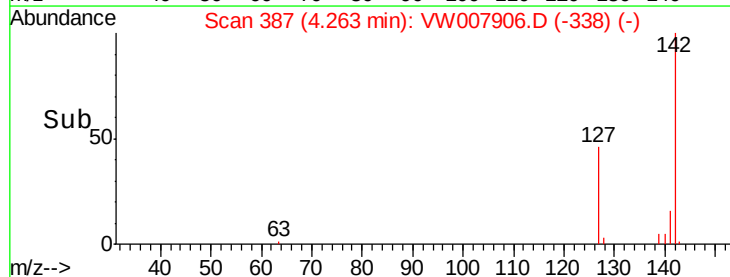
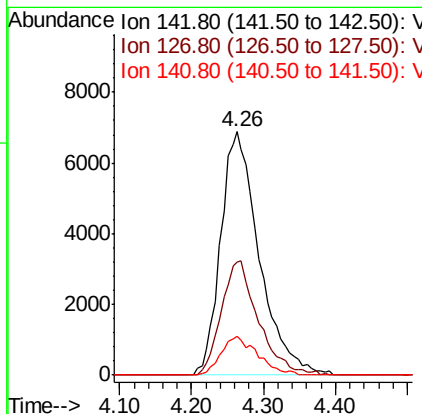
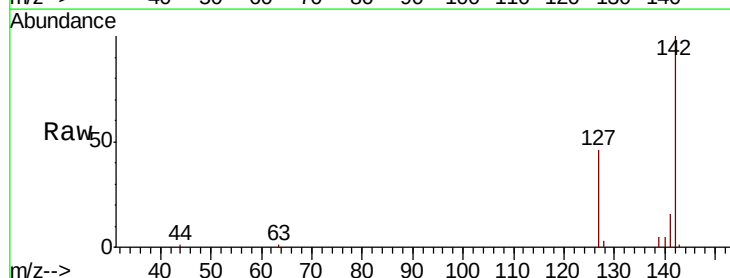
RT: 4.26 min Scan# 387

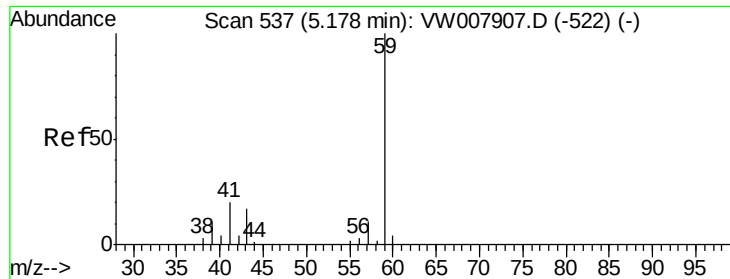
Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Tgt Ion:	142	Resp:	25570
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.2	54.4
141	15.0	11.6	17.4





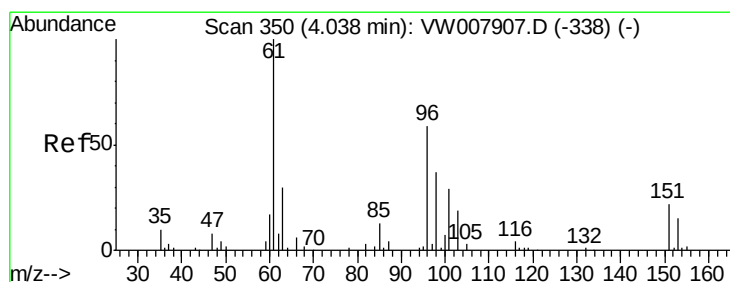
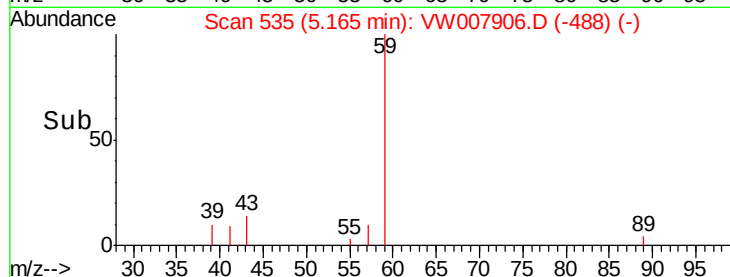
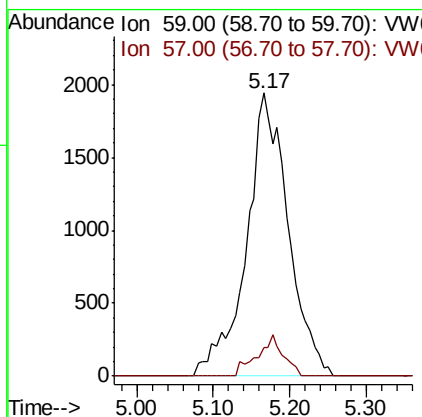
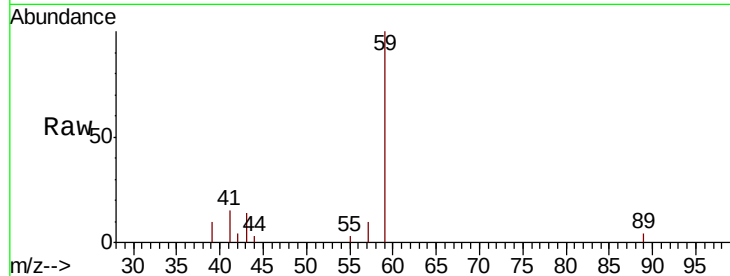
#11
Tert butyl alcohol
Concen: 118.182 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.8	11.6

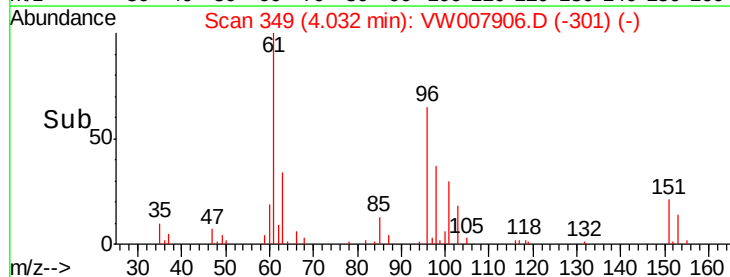
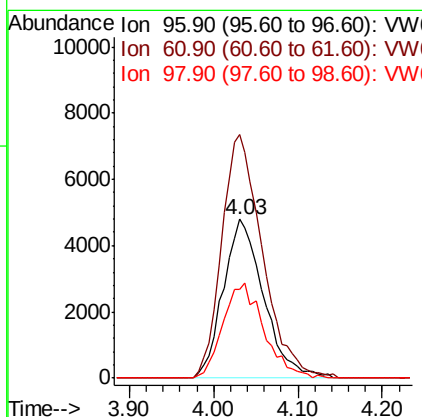
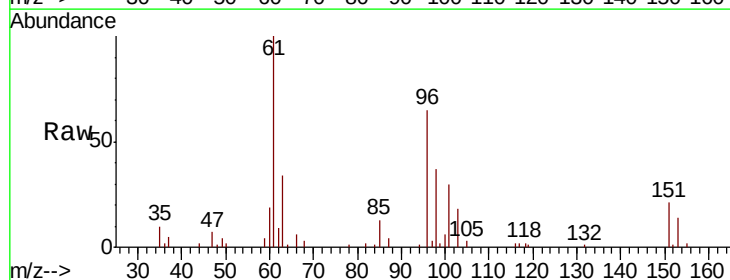
Manual Integrations
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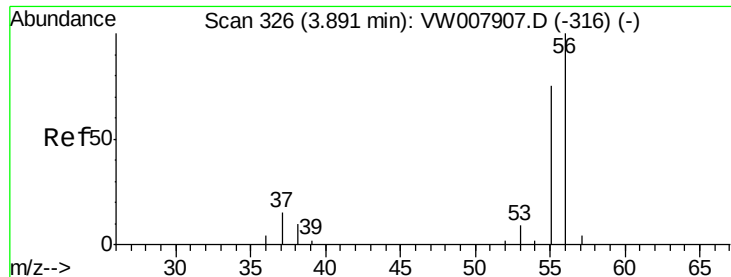
apatel
12/27/2018 11:17:11 AM



#12
1,1-Dichloroethene
Concen: 19.471 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	134.5	201.7
98	56.1	50.2	75.2





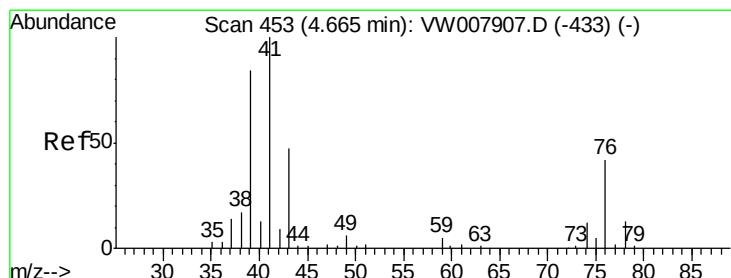
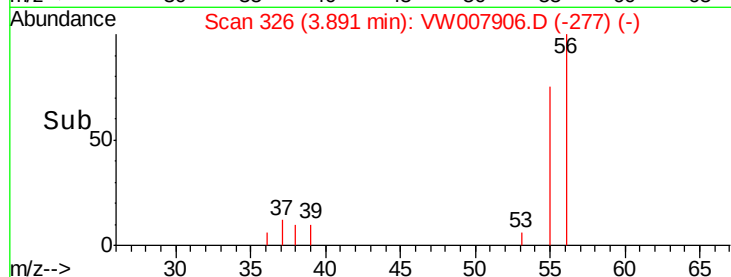
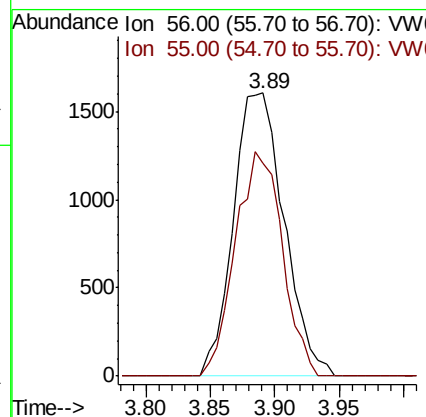
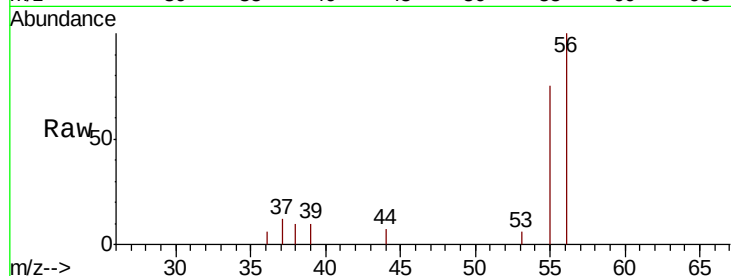
#13
Acrolein
Concen: 93.185 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 4395
Ion Ratio Lower Upper
56 100
55 73.2 57.0 85.6

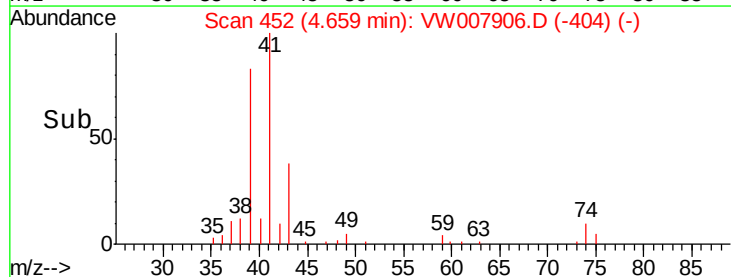
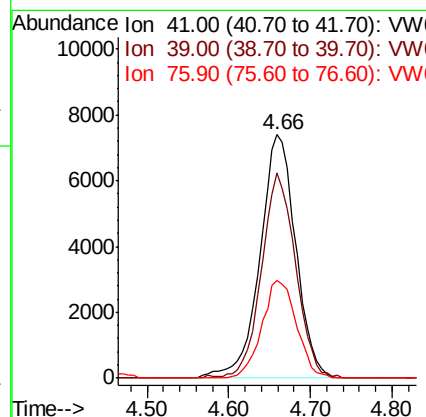
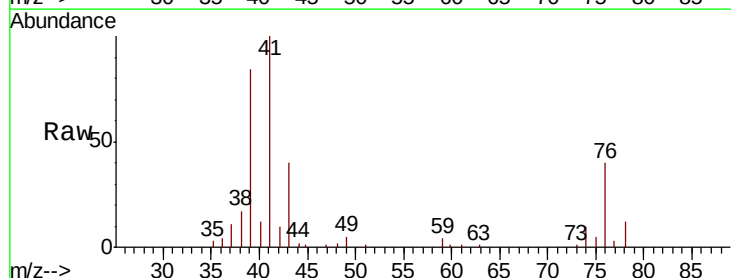
Manual Integrations
APPROVED

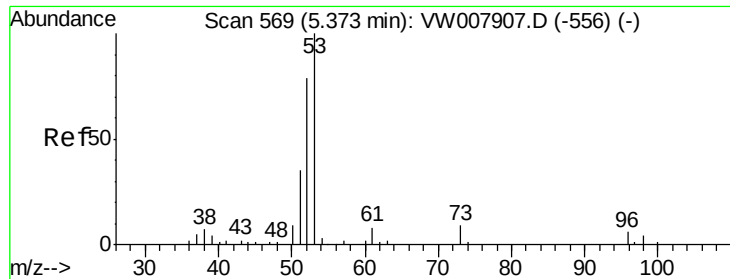
apatel
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#14
Allyl chloride
Concen: 20.643 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 41 Resp: 22562
Ion Ratio Lower Upper
41 100
39 80.5 62.6 93.8
76 38.8 31.1 46.7





#15

Acrylonitrile

Concen: 105.744 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

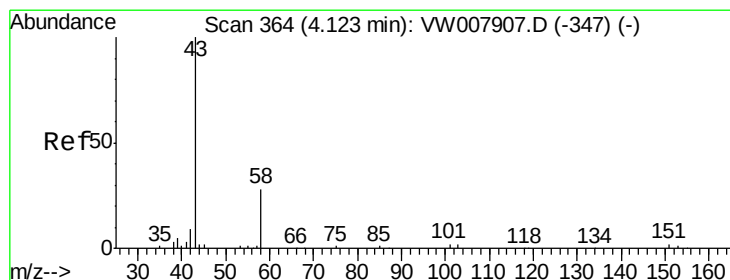
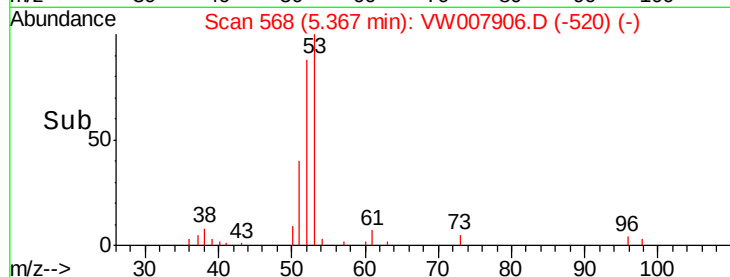
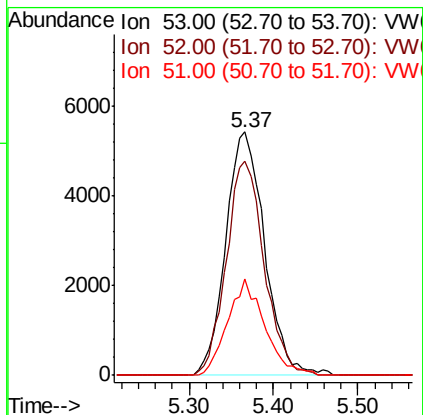
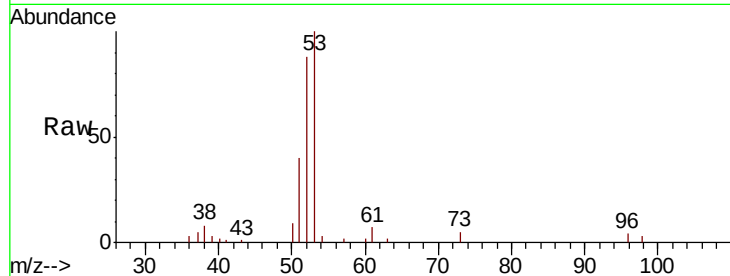
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	16958
Ion	Ratio	Lower	Upper
53	100		
52	85.5	65.2	97.8
51	37.5	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 91.968 ug/l

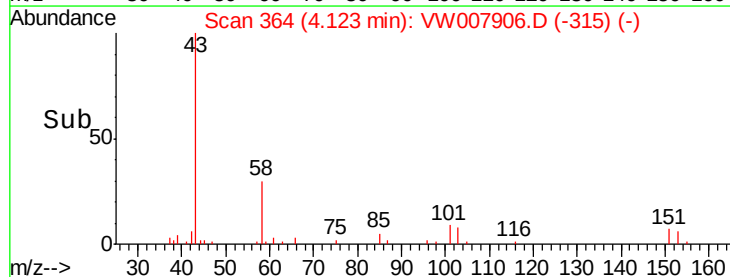
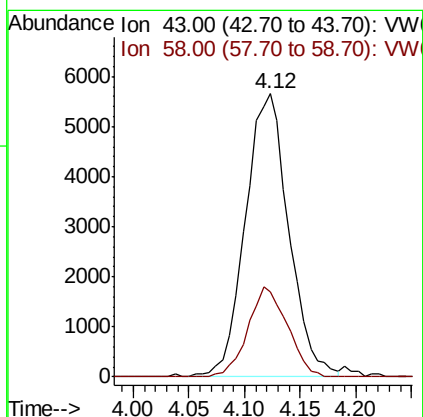
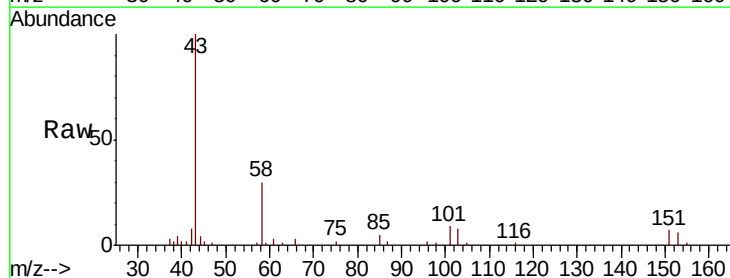
RT: 4.12 min Scan# 364

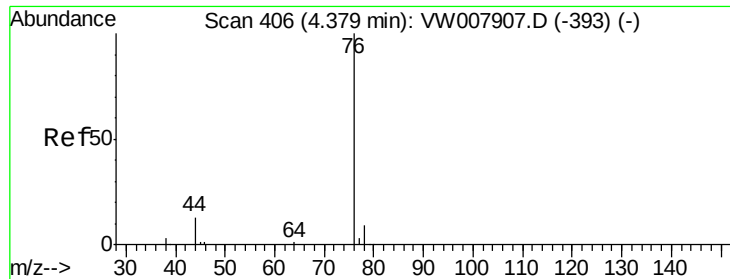
Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Tgt Ion:	43	Resp:	15387
Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.8	34.2





#17

Carbon Disulfide

Concen: 16.986 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 41988

Ion Ratio Lower Upper

76 100

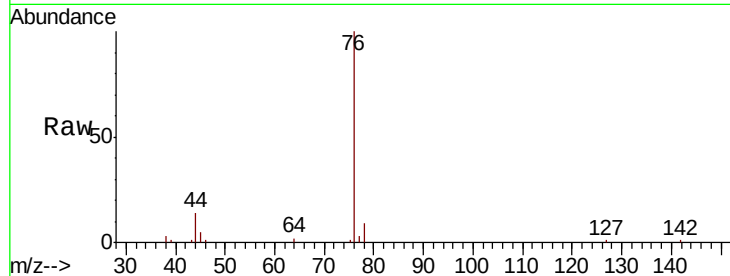
78 8.6 7.5 11.3

Manual Integrations

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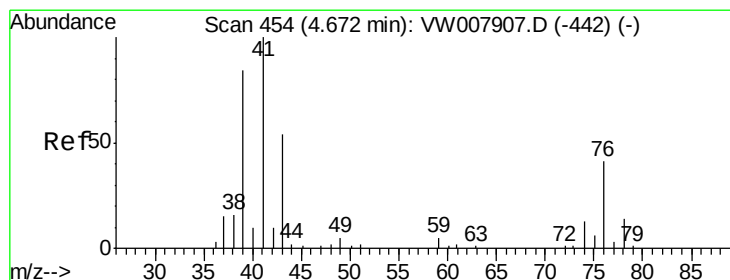
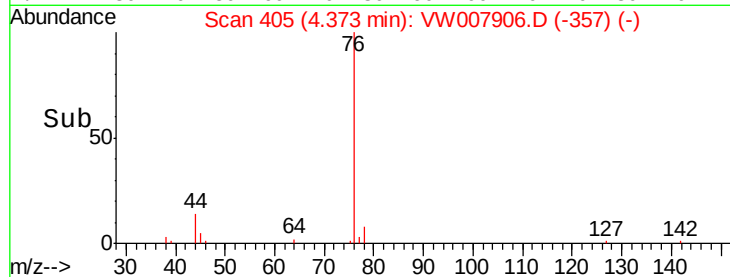
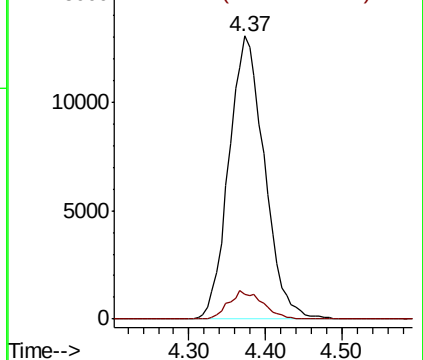
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.776 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW007906.D

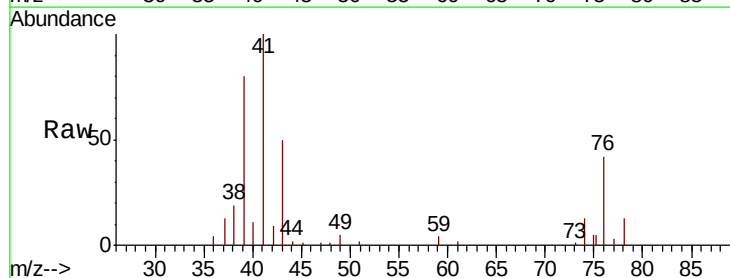
Acq: 25 Dec 2018 00:04

Tgt Ion: 43 Resp: 9662

Ion Ratio Lower Upper

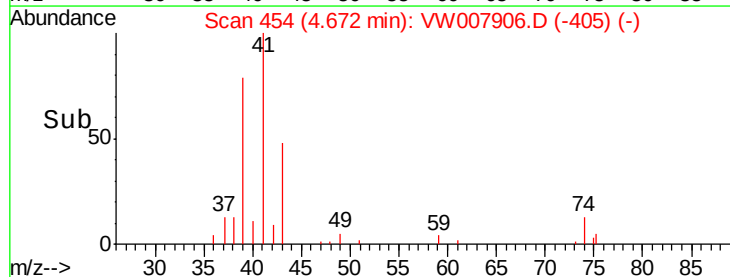
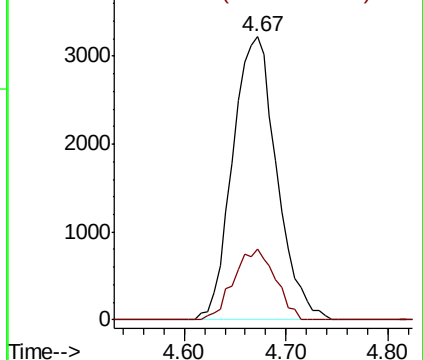
43 100

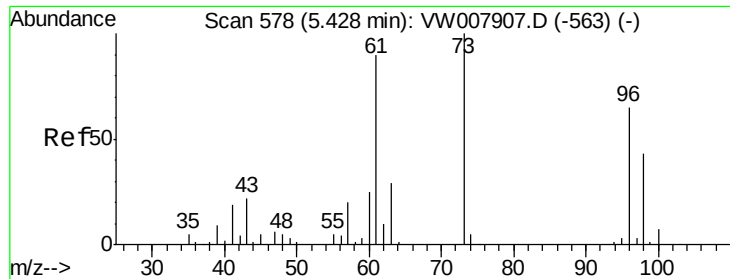
74 23.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





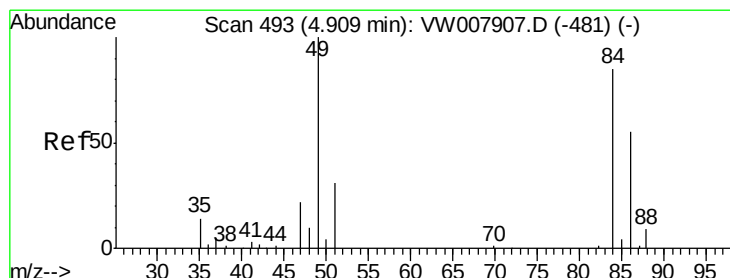
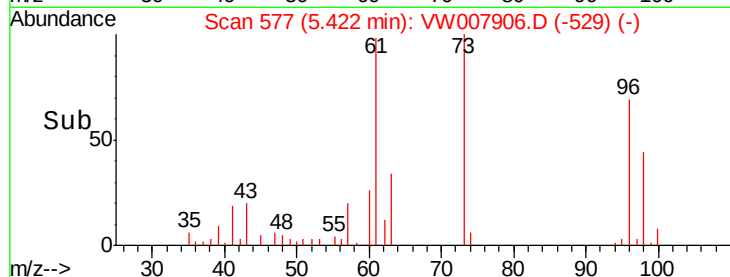
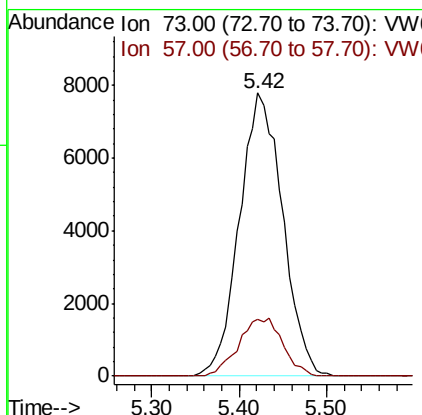
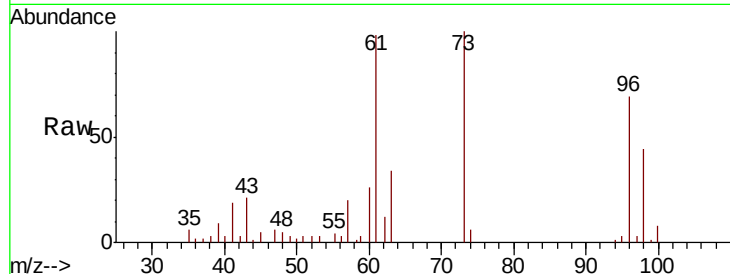
#19
Methyl tert-butyl Ether
Concen: 22.237 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 26766
Ion Ratio Lower Upper
73 100
57 20.1 15.8 23.8

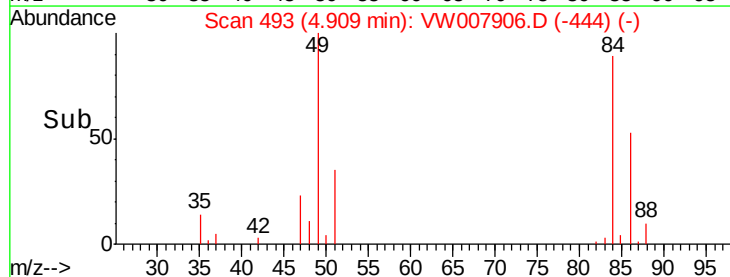
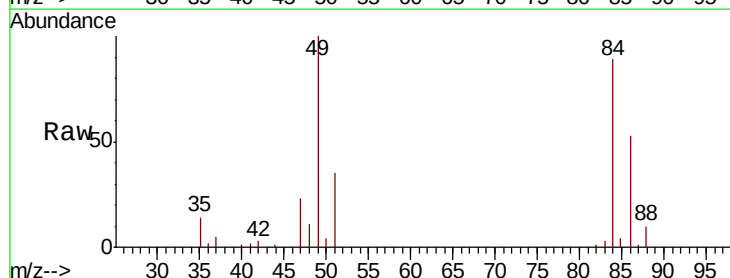
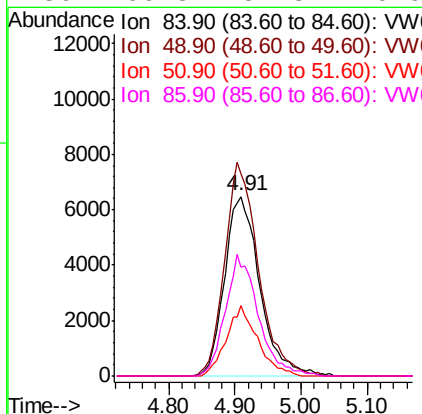
Manual Integrations
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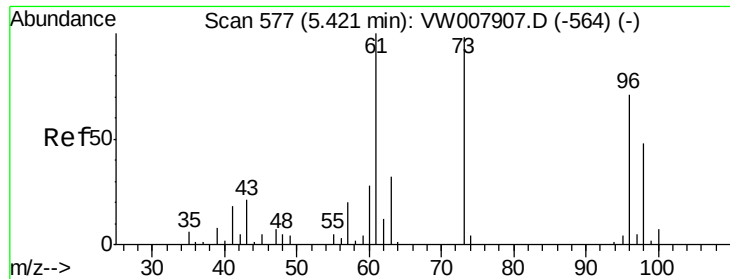
apatel
12/27/2018 11:17:11 AM



#20
Methylene Chloride
Concen: 22.976 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 84 Resp: 23946
Ion Ratio Lower Upper
84 100
49 113.0 94.0 141.0
51 39.1 28.7 43.1
86 60.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.905 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

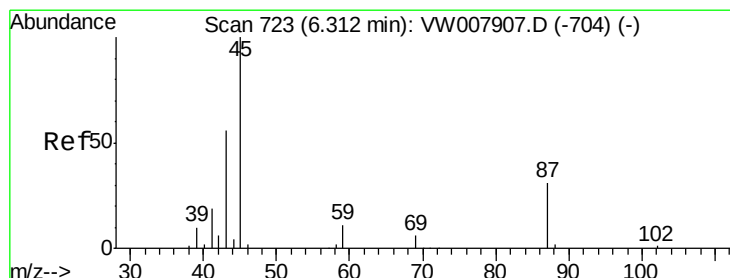
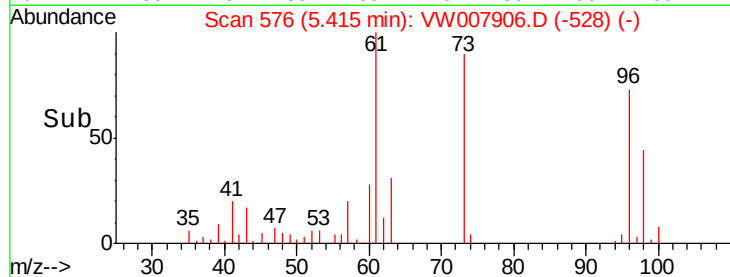
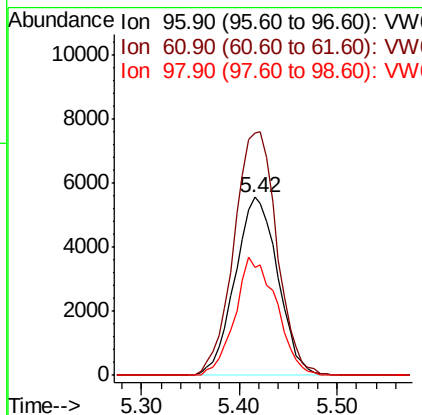
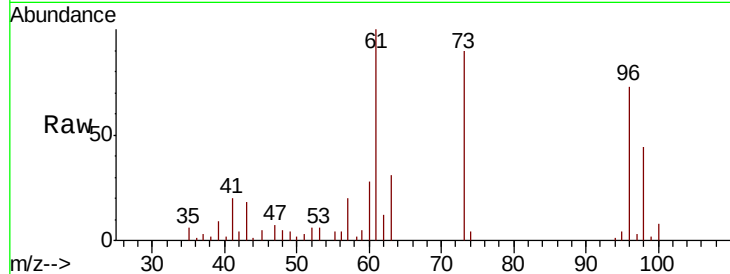
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	16861
Ion	Ratio	Lower	Upper
96	100		
61	136.6	112.0	168.0
98	60.5	53.2	79.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.390 ug/l

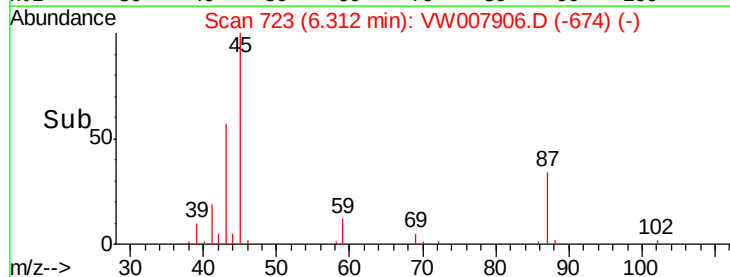
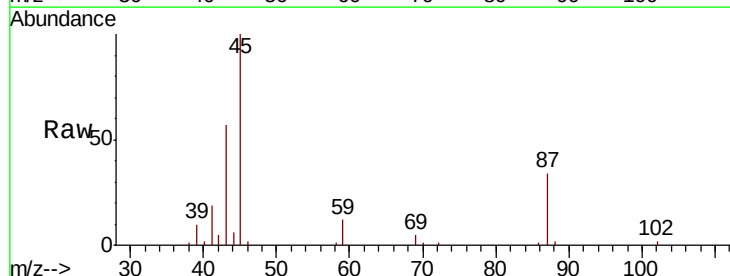
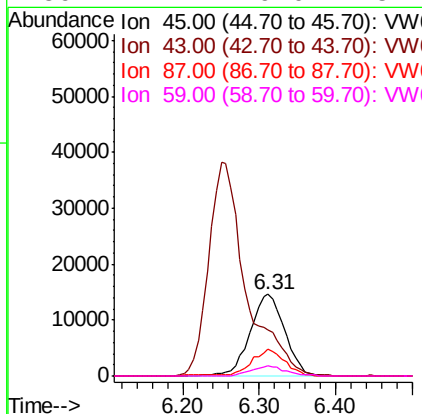
RT: 6.31 min Scan# 723

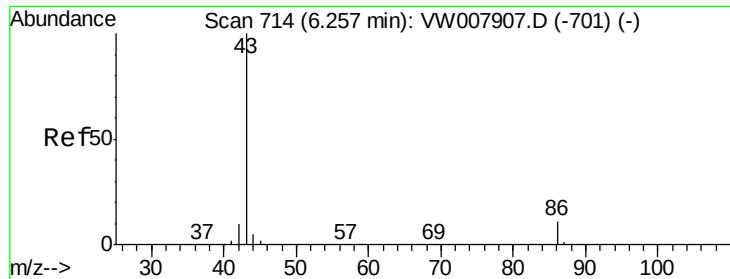
Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Tgt Ion:	45	Resp:	46071
Ion	Ratio	Lower	Upper
45	100		
43	56.0	45.0	67.4
87	33.7	25.5	38.3
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 107.360 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 129887

Ion Ratio Lower Upper

43 100

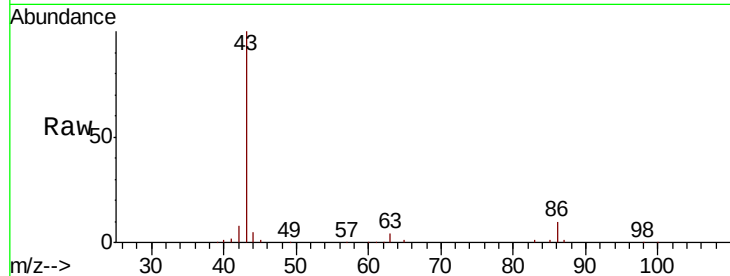
86 10.3 9.1 13.7

Manual Integrations

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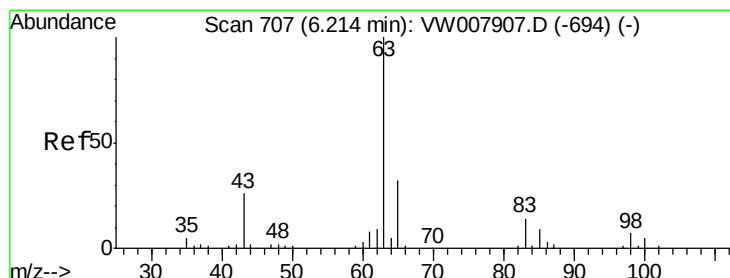
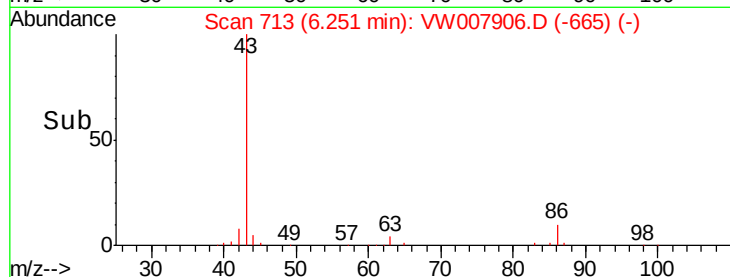
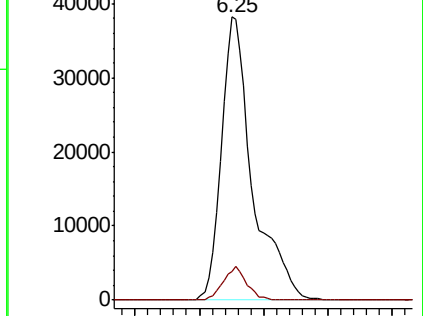
apatel

12/27/2018 11:17:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.796 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

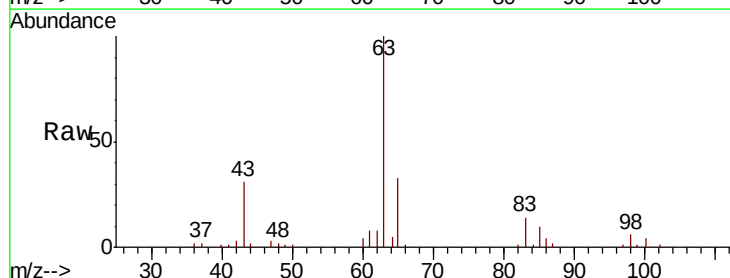
Tgt Ion: 63 Resp: 29409

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

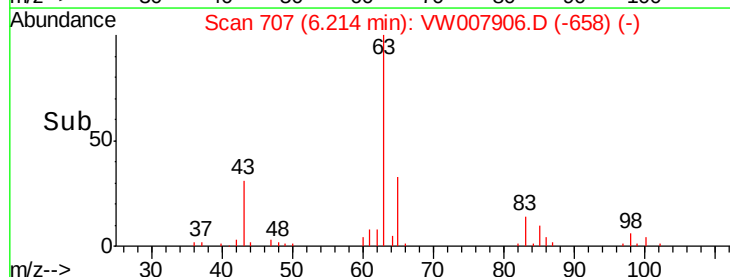
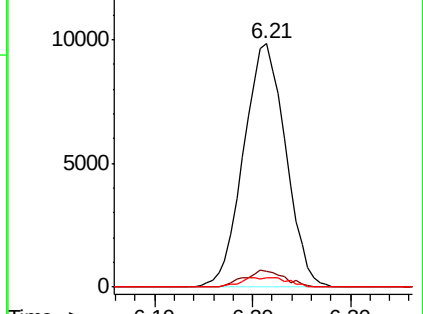
100 3.7 2.5 7.5

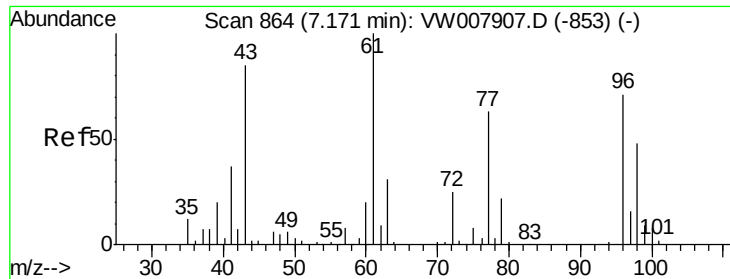


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 106.106 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 21547

Ion Ratio Lower Upper

43 100

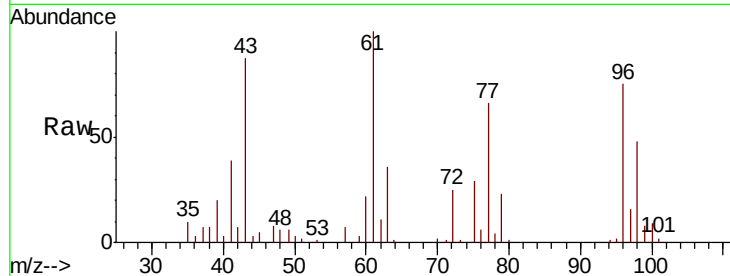
72 28.3 23.2 34.8

Manual Integrations

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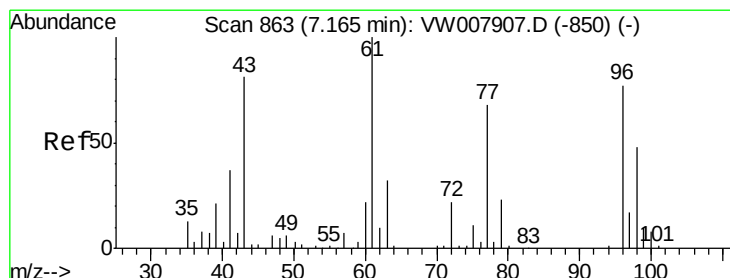
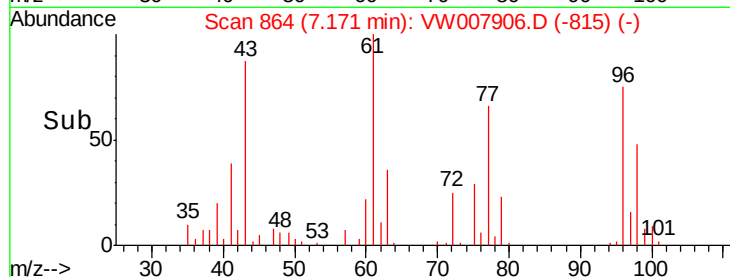
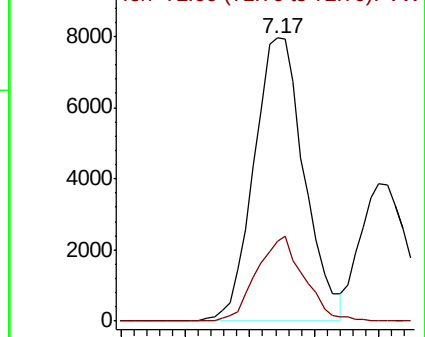
apatel

12/27/2018 11:17:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 17.914 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007906.D

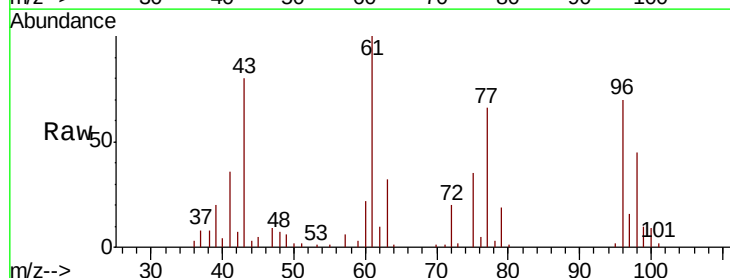
Acq: 25 Dec 2018 00:04

Tgt Ion: 77 Resp: 19112

Ion Ratio Lower Upper

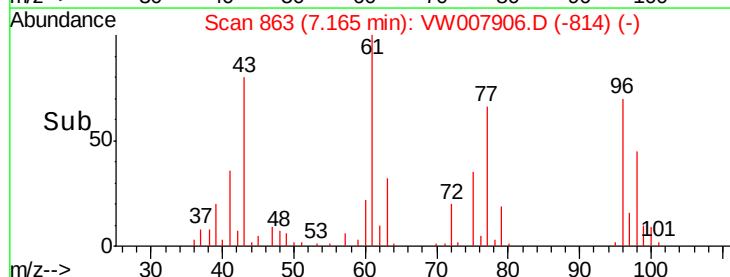
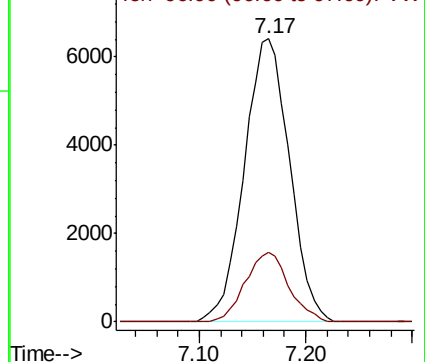
77 100

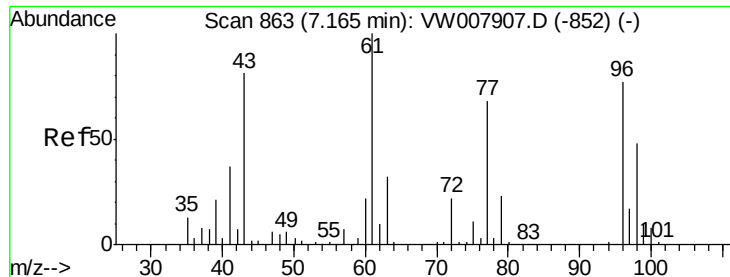
97 23.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

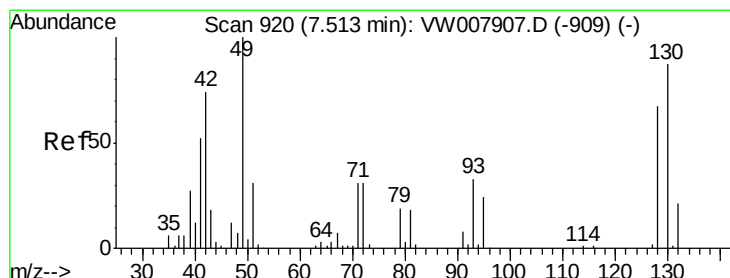
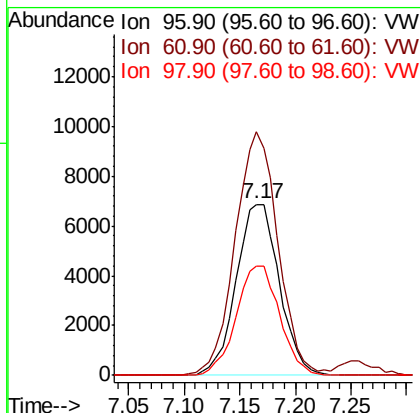
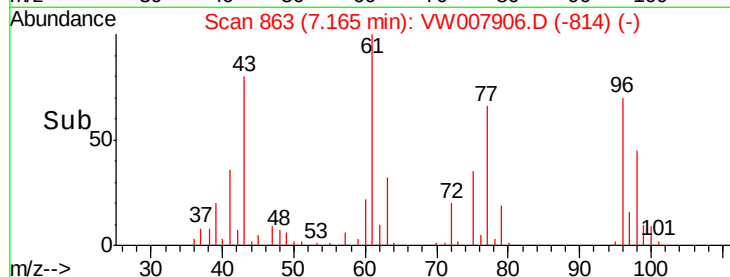
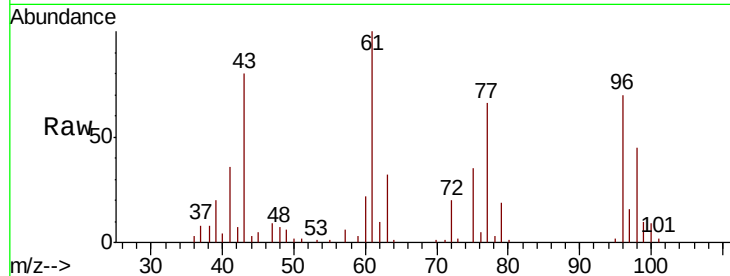
cis-1,2-Dichloroethene
Concen: 19.332 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	279.4
98	64.1	0.0	126.8

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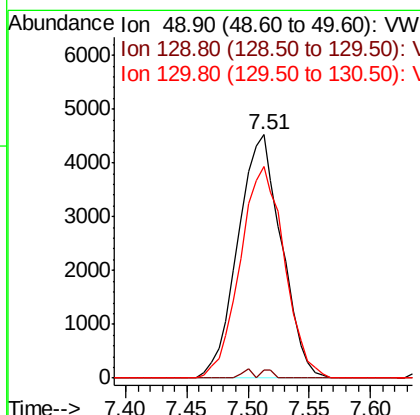
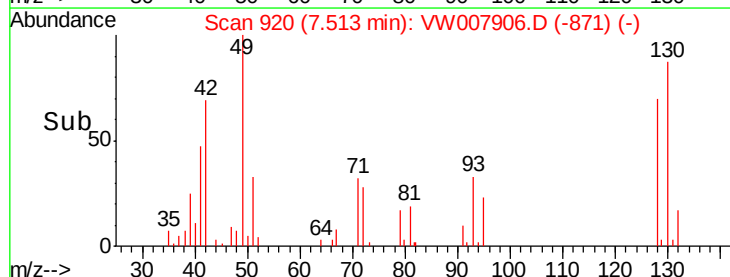
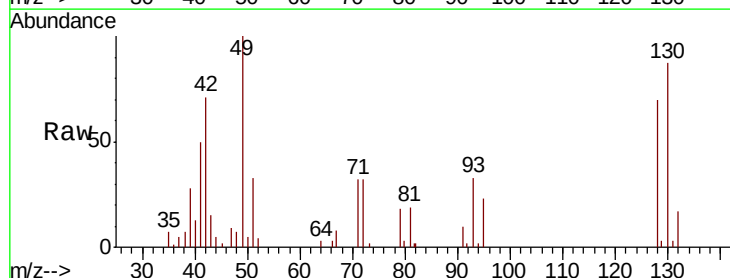
apatel
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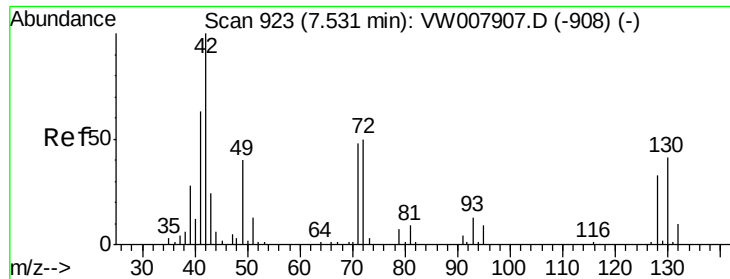


#28

Bromochloromethane
Concen: 21.937 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	88.3	70.7	106.1





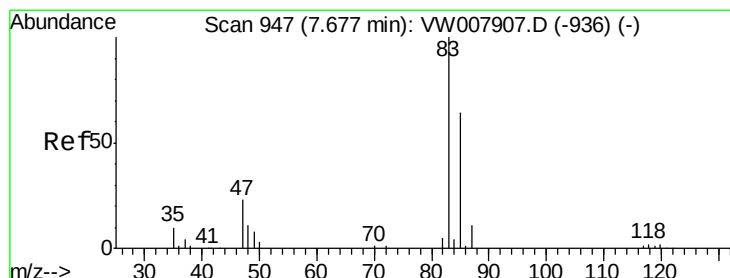
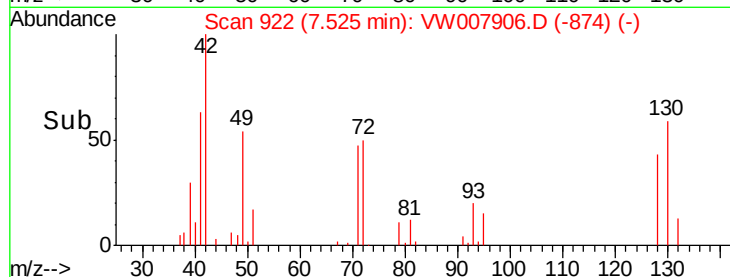
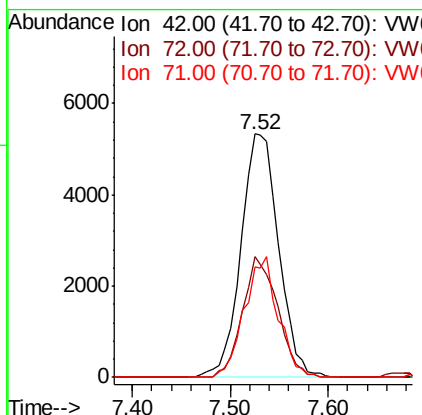
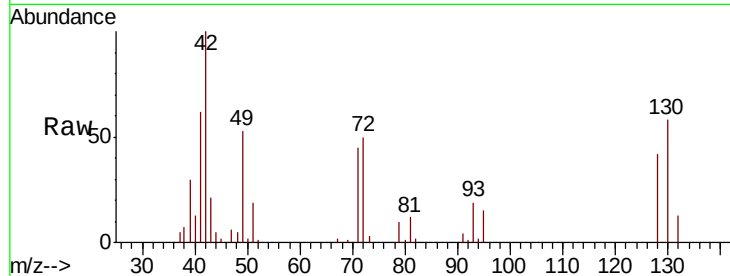
#29
Tetrahydrofuran
Concen: 116.258 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.8	56.8
71	44.5	35.8	53.6

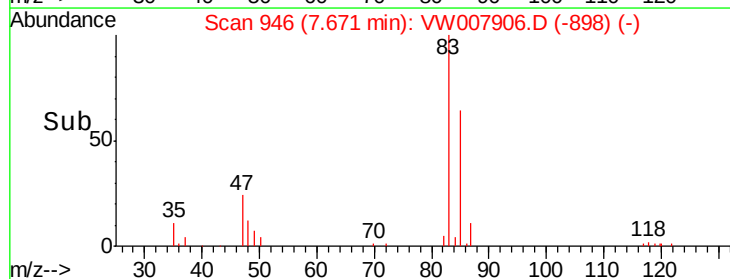
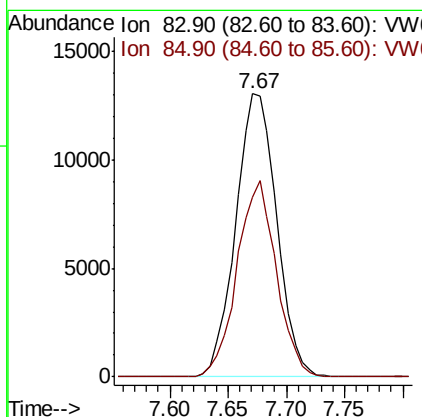
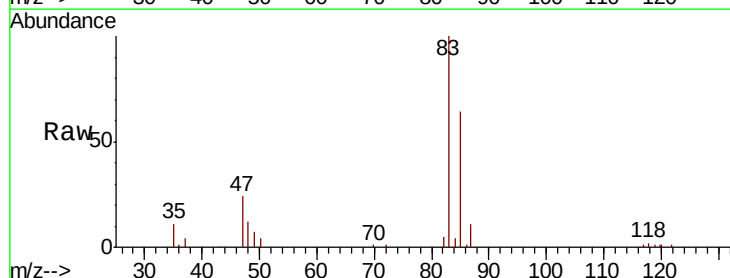
Manual Integrations
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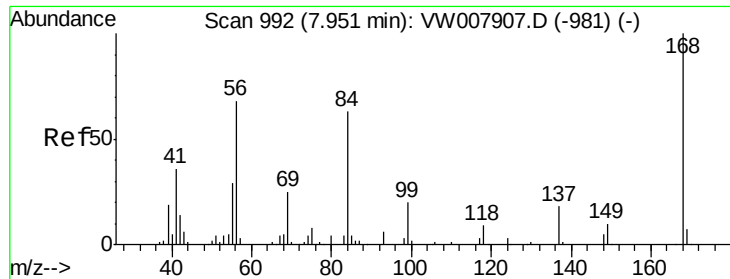
apatel
12/27/2018 11:17:11 AM



#30
Chloroform
Concen: 19.246 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.3	76.9





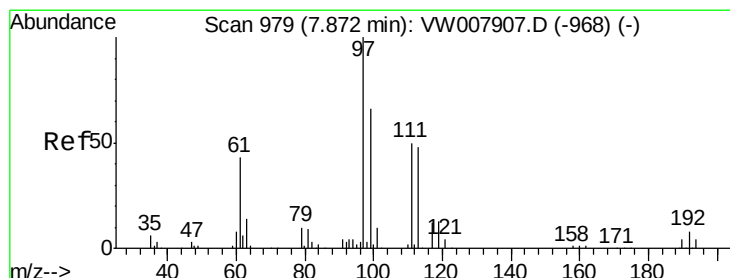
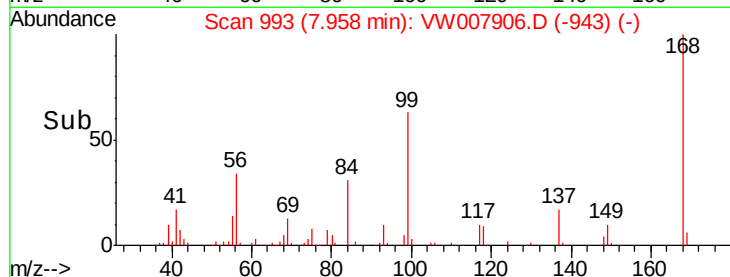
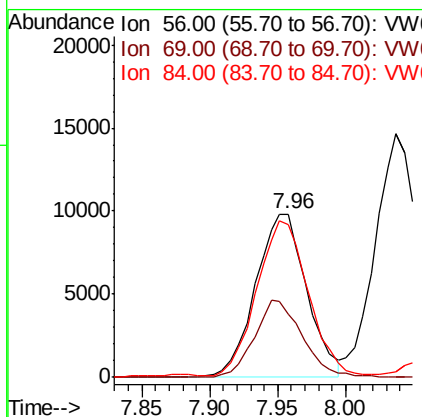
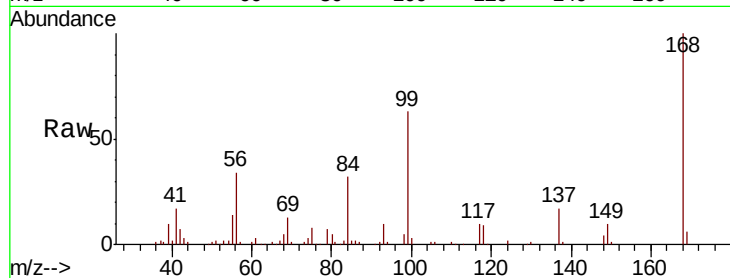
#31
Cyclohexane
Concen: 19.081 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	29.9	44.9
84	91.3	74.5	111.7

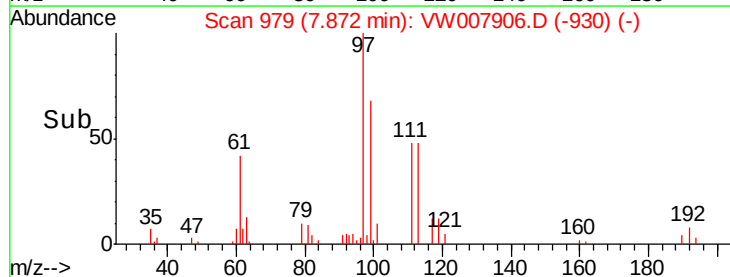
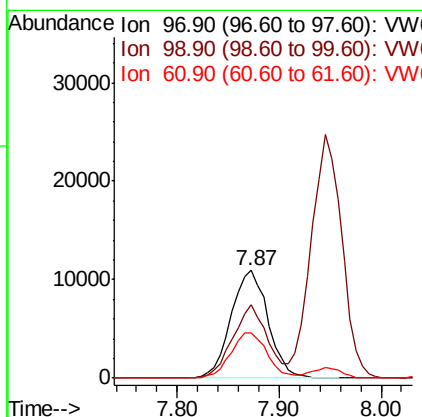
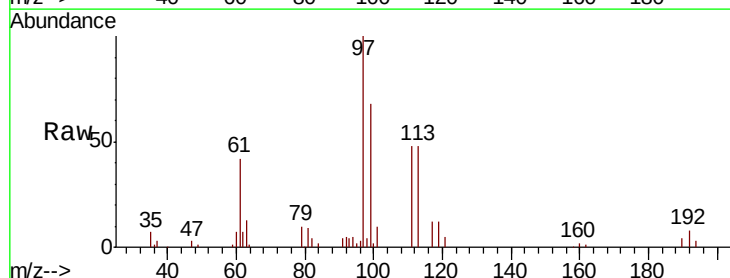
Manual Integrations
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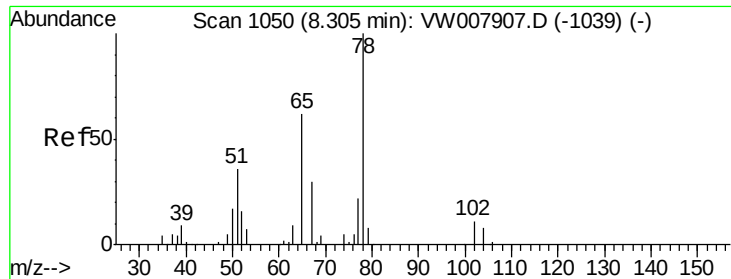
apatel
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#32
1,1,1-Trichloroethane
Concen: 18.280 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	52.7	79.1
61	41.9	33.3	49.9





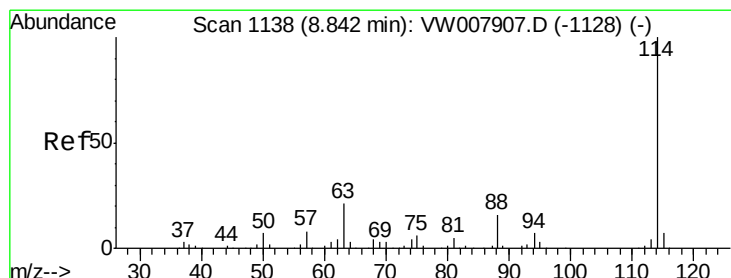
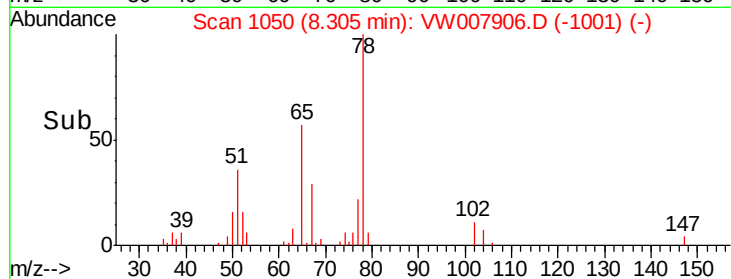
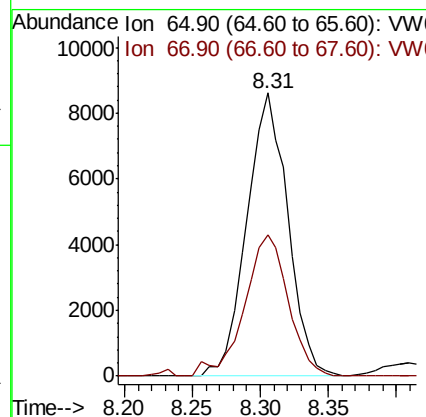
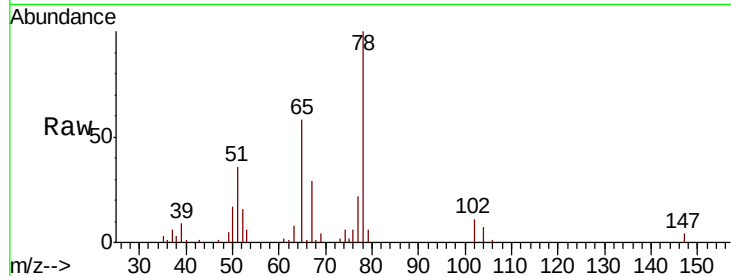
#33
 1,2-Dichloroethane-d4
 Concen: 19.801 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	18169		
67	53.2	0.0	98.6	

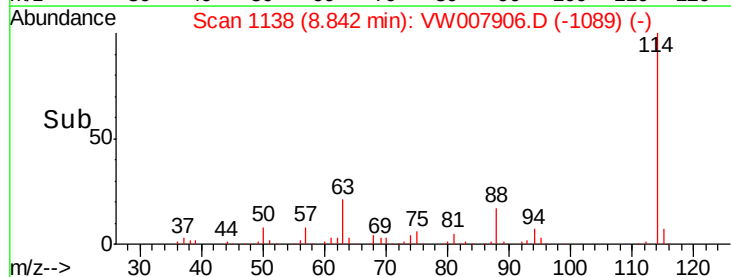
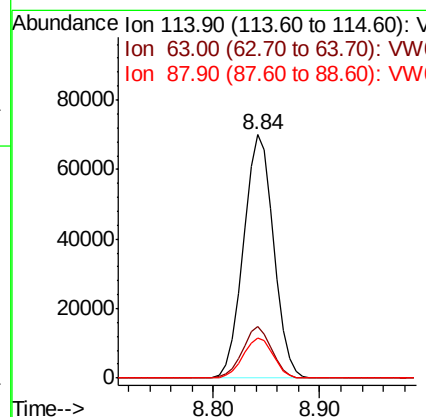
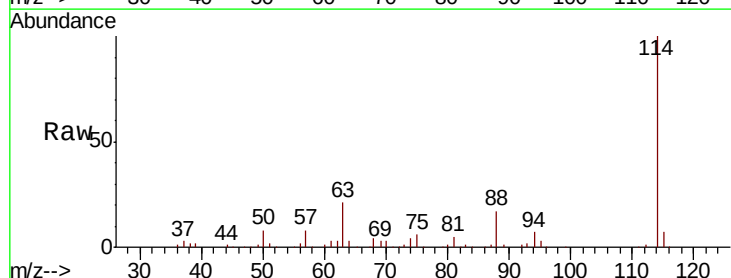
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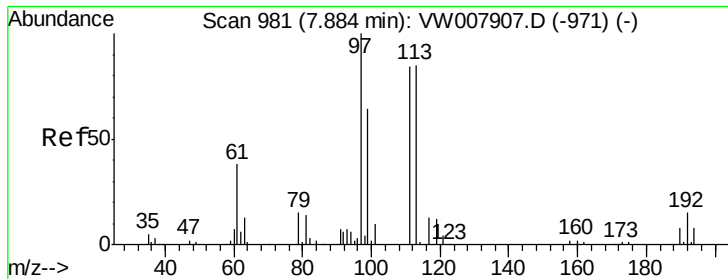
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	139028		
63	21.1	0.0	41.4	
88	16.7	0.0	32.4	





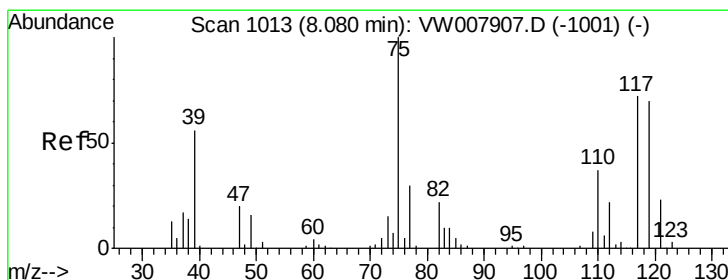
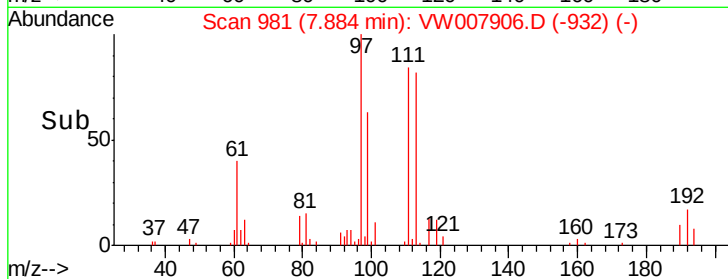
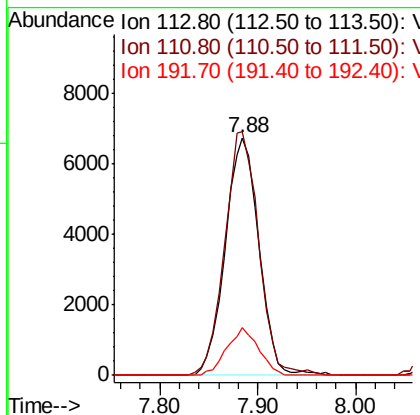
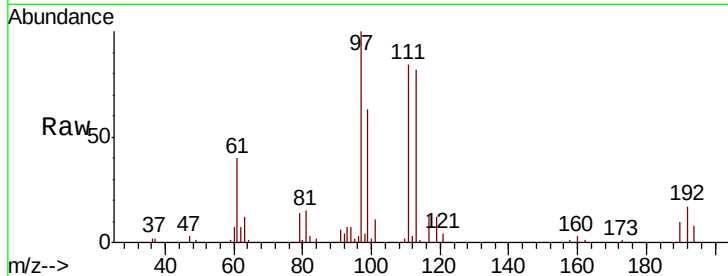
#35
 Dibromofluoromethane
 Concen: 18.717 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.9	122.9
192	18.9	14.9	22.3

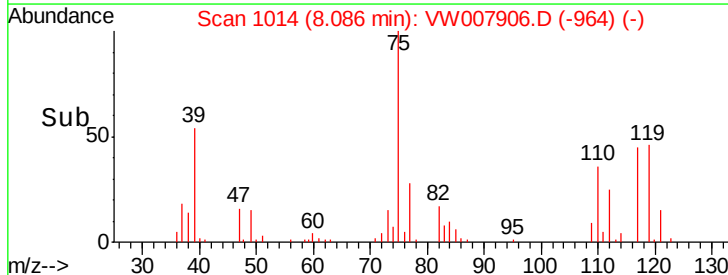
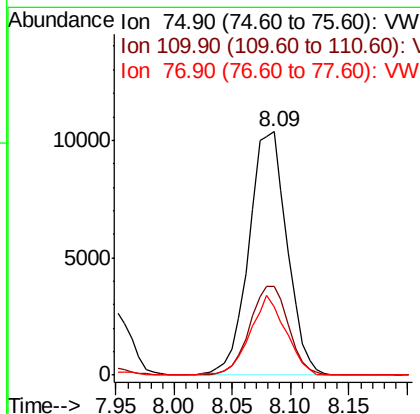
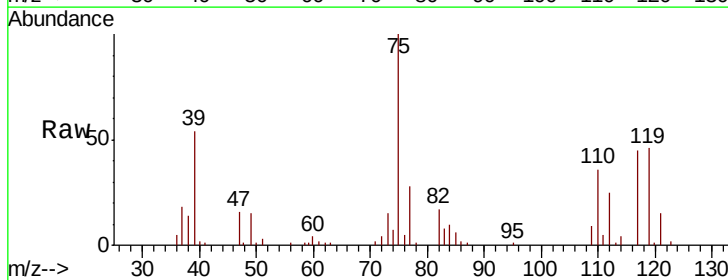
Manual Integrations
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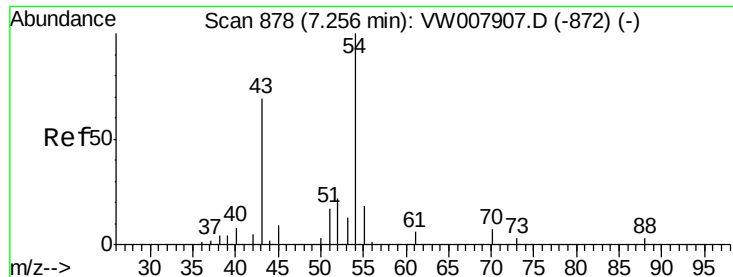
apatel
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#36
 1,1-Dichloropropene
 Concen: 17.709 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.2	54.6
77	30.5	25.0	37.4





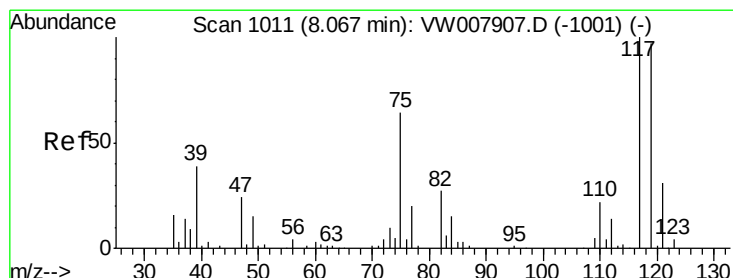
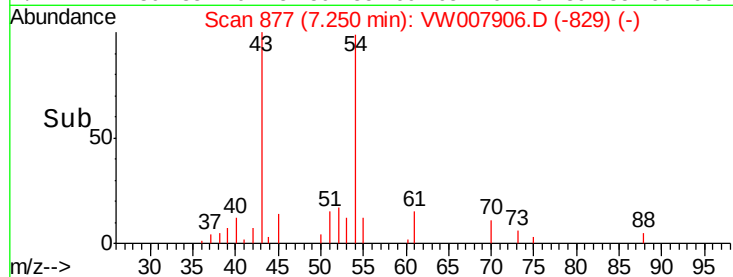
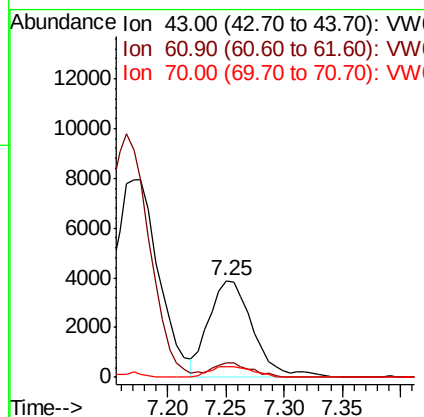
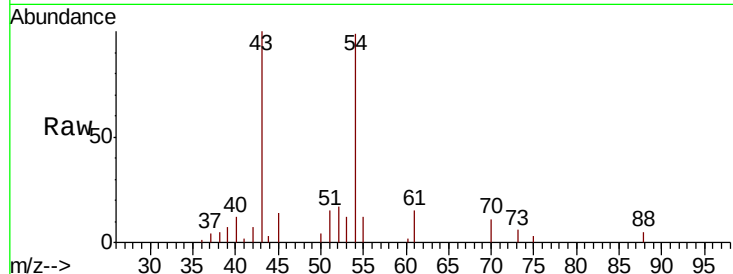
#37
Ethyl Acetate
Concen: 21.453 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.6	16.0
70	11.0	9.0	13.4

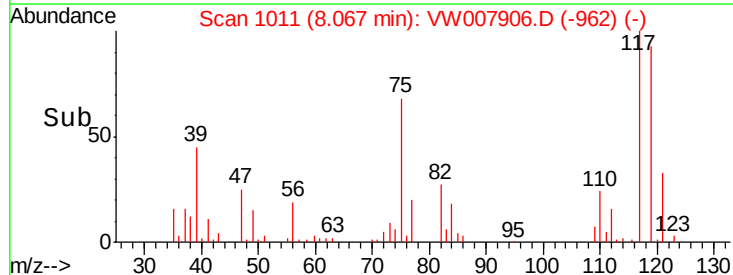
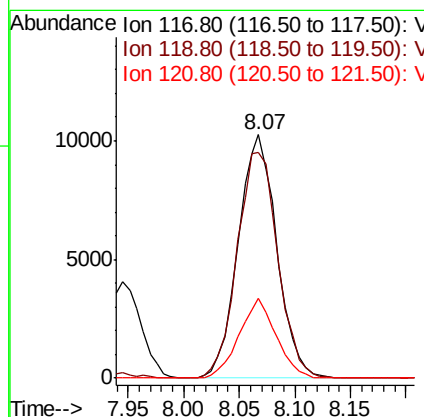
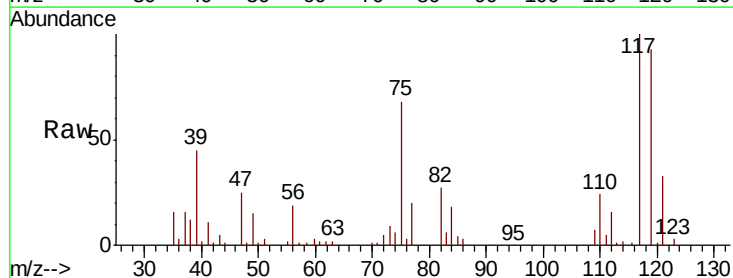
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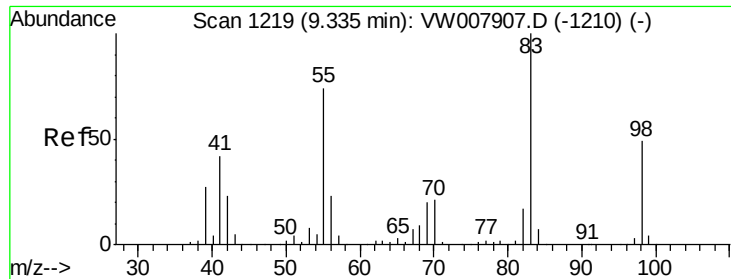
apatel
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#38
Carbon Tetrachloride
Concen: 15.901 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.3	115.9
121	32.8	24.5	36.7





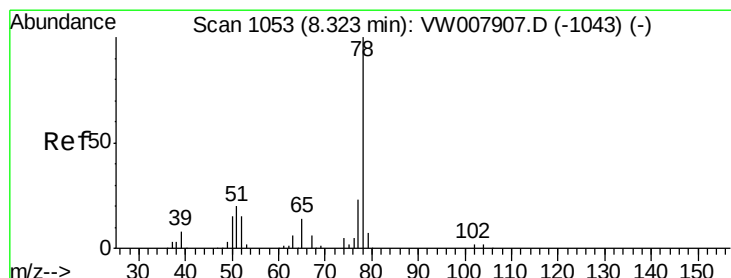
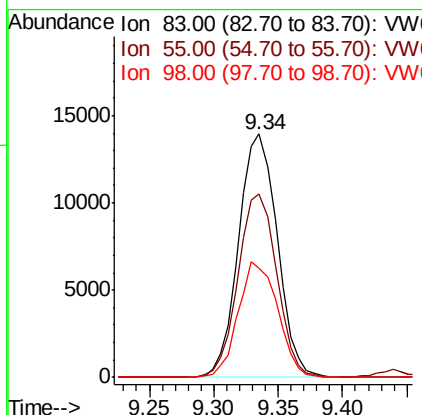
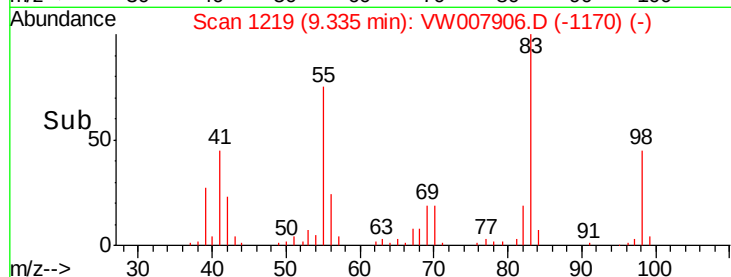
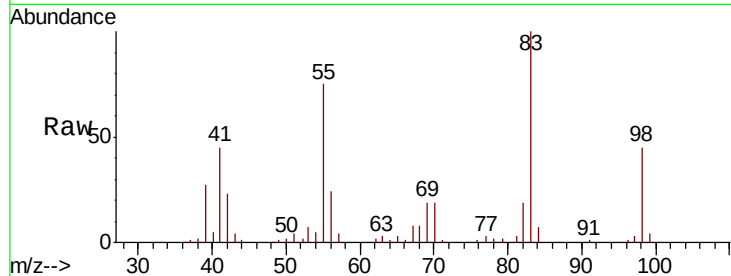
#39
Methylvlcyclohexane
Concen: 17.418 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp:	28991
Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.1	88.7
98	44.9	39.2	58.8

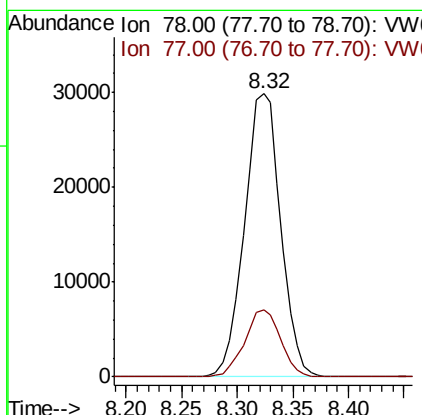
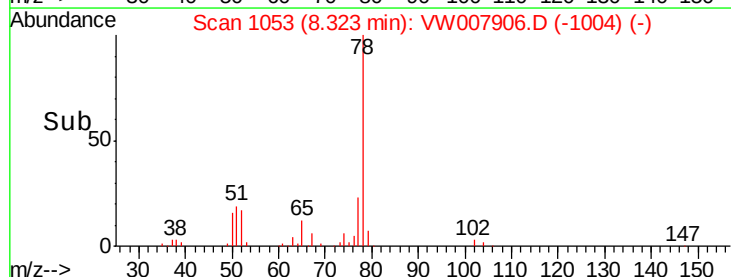
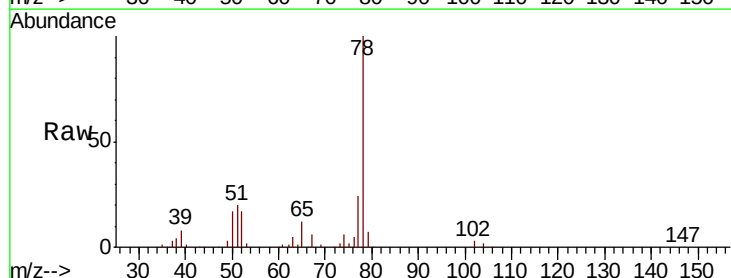
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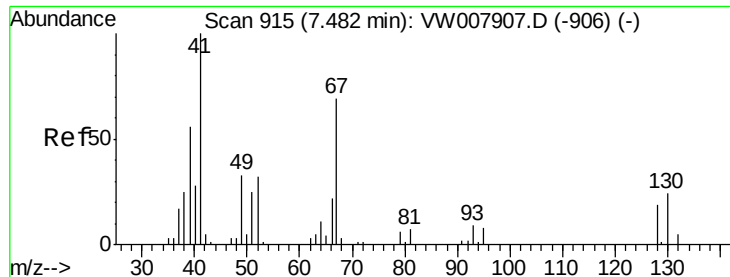
apatel
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#40
Benzene
Concen: 18.735 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	78.00	Resp:	67491
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





#41

Methacrylonitrile

Concen: 20.063 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 5578

Ion Ratio Lower Upper

41 100

39 59.1 45.0 67.4

67 76.6 53.9 80.9

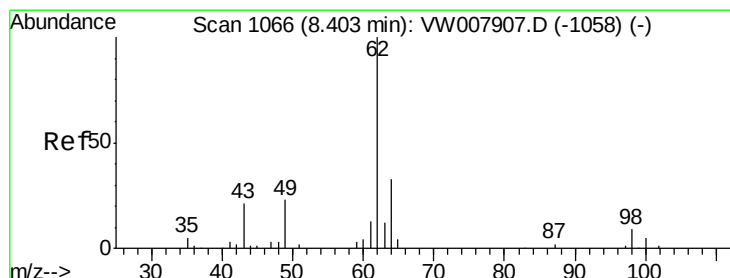
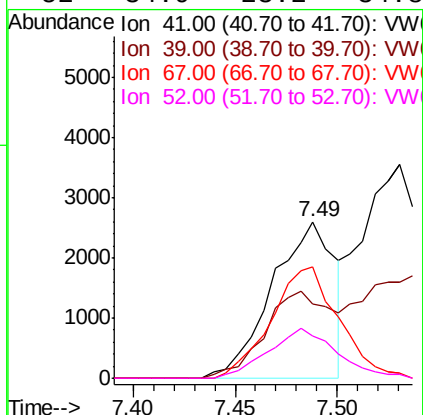
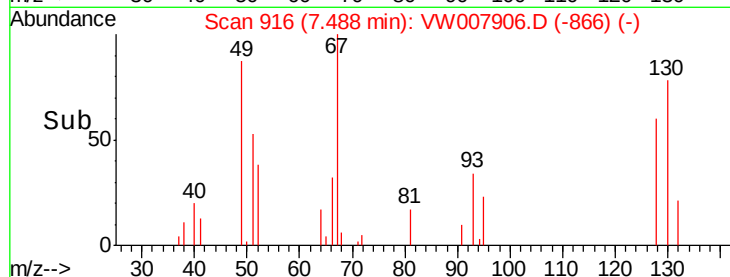
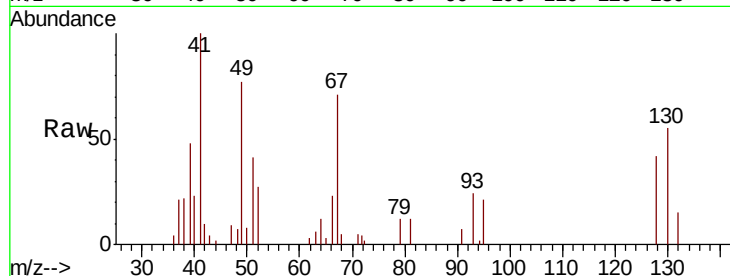
52 34.9 23.2 34.8#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 18.947 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW007906.D

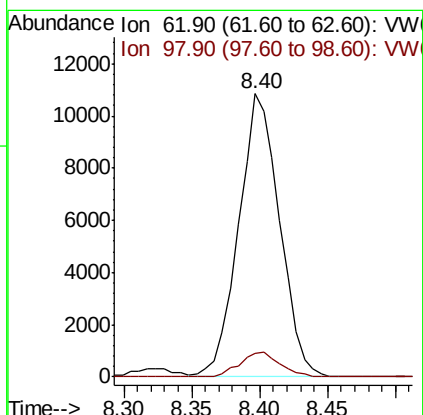
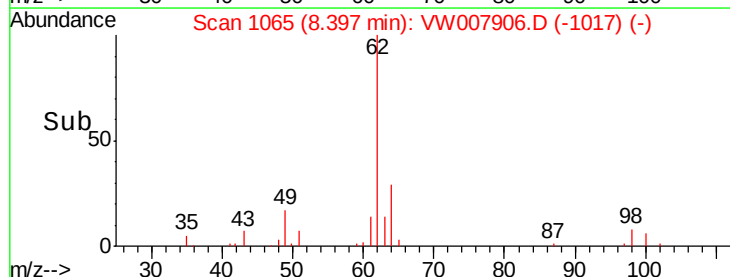
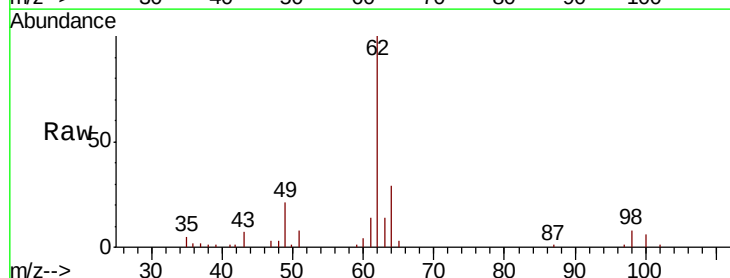
Acq: 25 Dec 2018 00:04

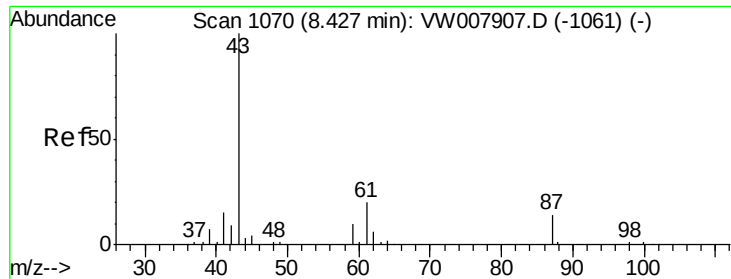
Tgt Ion: 62 Resp: 22794

Ion Ratio Lower Upper

62 100

98 8.5 0.0 17.0





#43

Isopropyl Acetate

Concen: 20.744 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

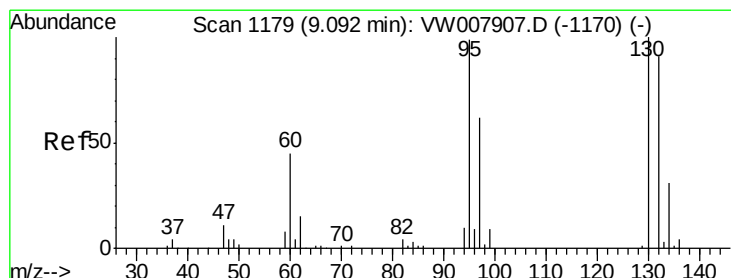
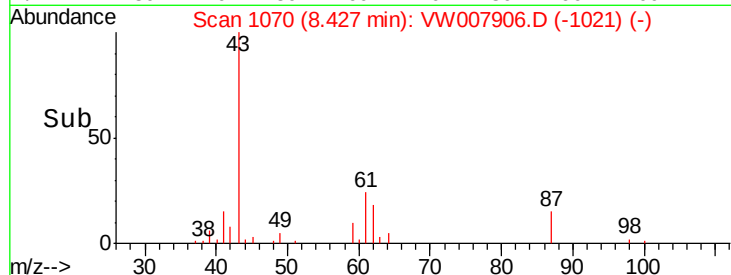
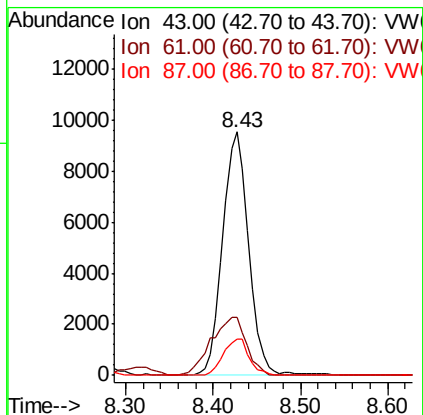
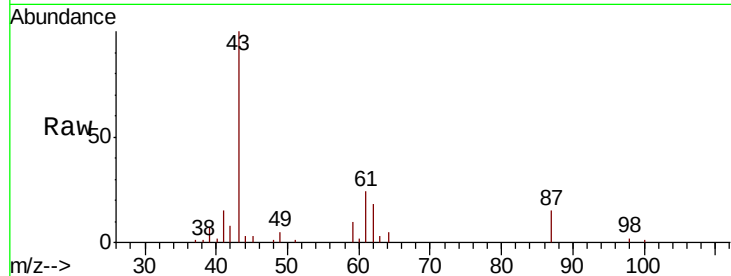
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	19761
Ion	Ratio	Lower	Upper
43	100		
61	32.2	24.2	36.2
87	14.8	11.2	16.8

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#44

Trichloroethene

Concen: 17.755 ug/l

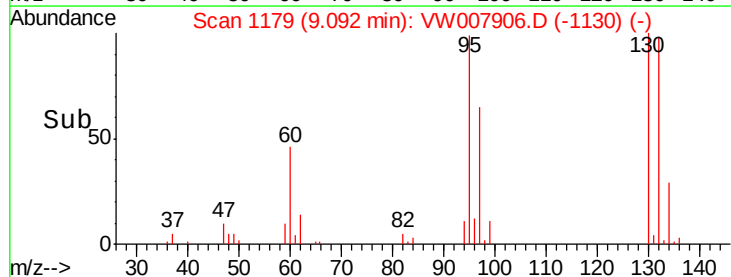
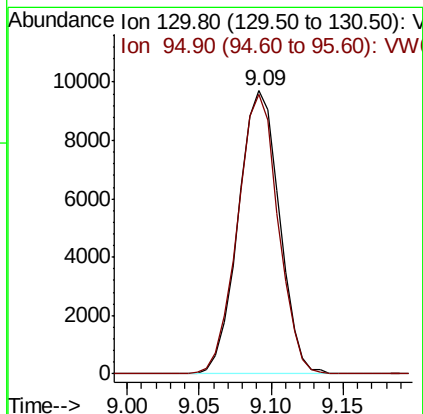
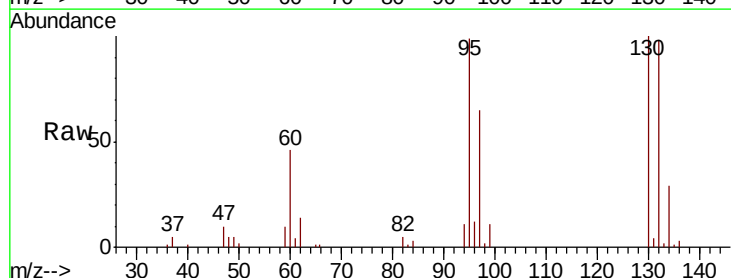
RT: 9.09 min Scan# 1179

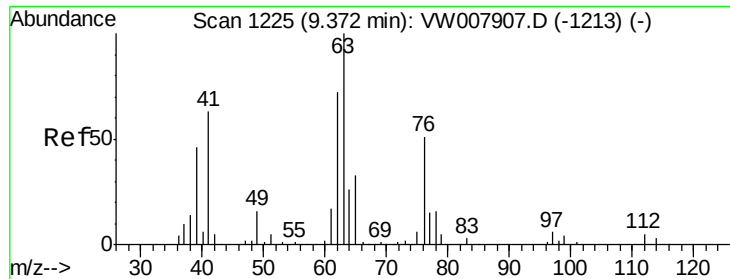
Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Tgt Ion:	130	Resp:	19127
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	197.4





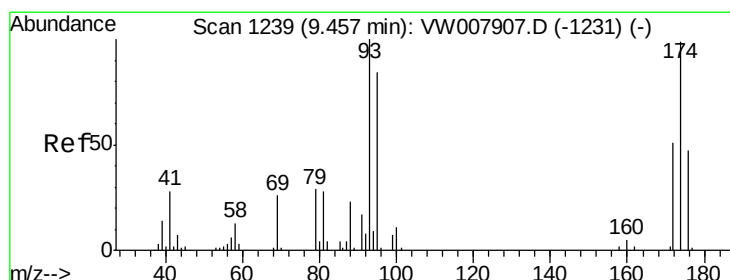
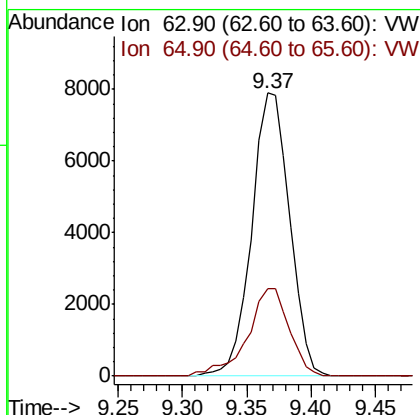
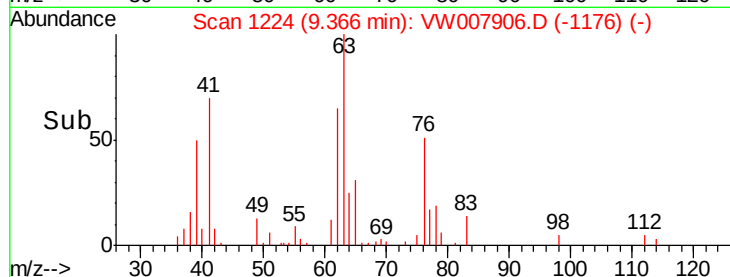
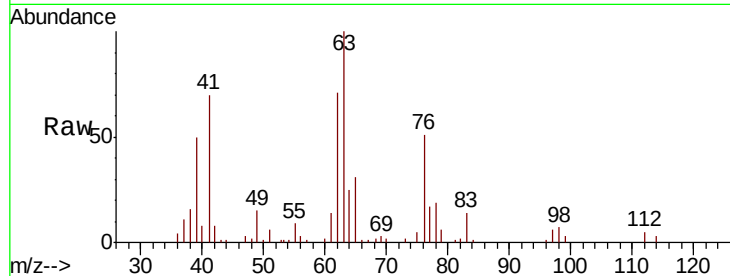
#45
 1,2-Dichloropropane
 Concen: 19.903 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 16061
 Ion Ratio Lower Upper
 63 100
 65 31.0 26.4 39.6

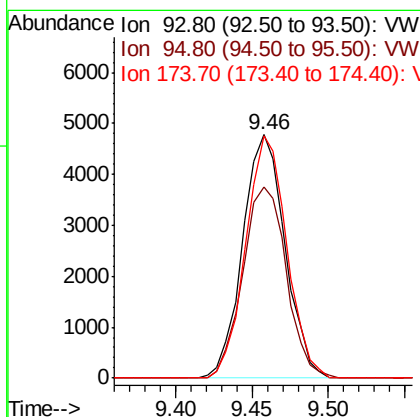
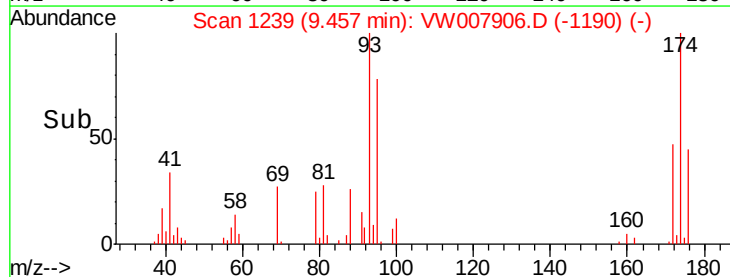
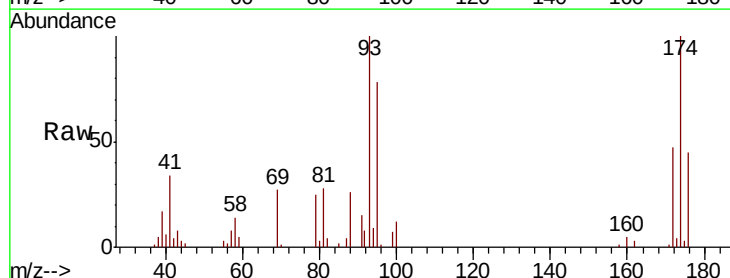
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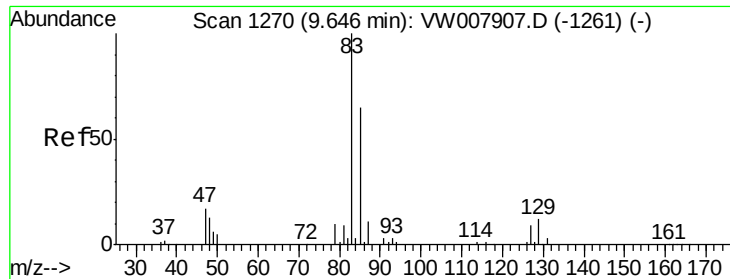
apatel
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#46
 Dibromomethane
 Concen: 18.794 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 93 Resp: 9198
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.6 100.0
 174 96.4 81.0 121.4





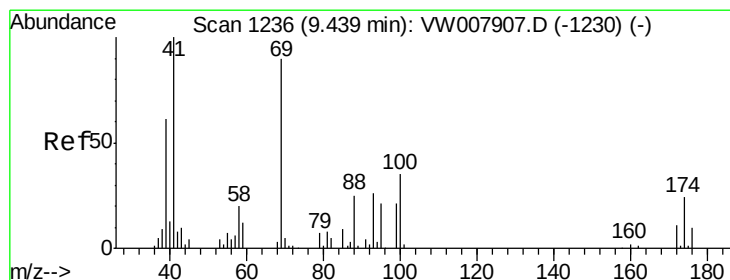
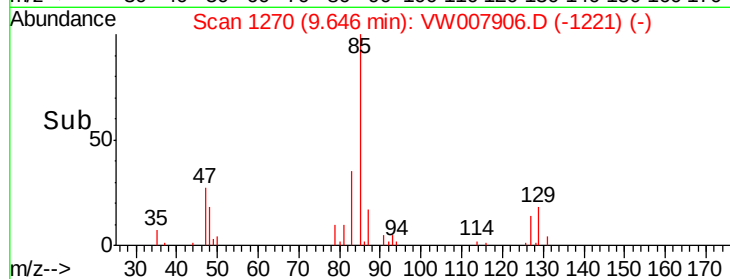
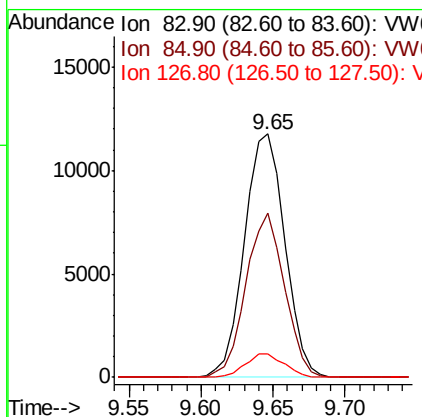
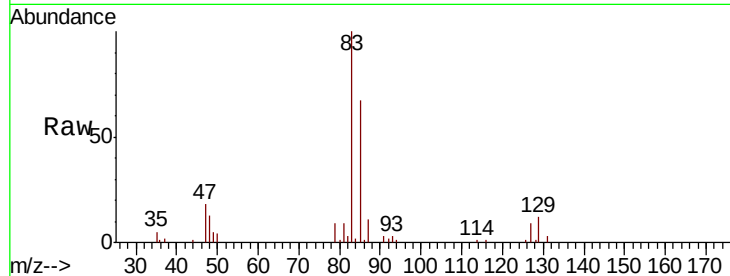
#47
Bromodichloromethane
Concen: 17.764 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	22831		
85	67.2		52.2	78.4
127	9.4		6.8	10.2

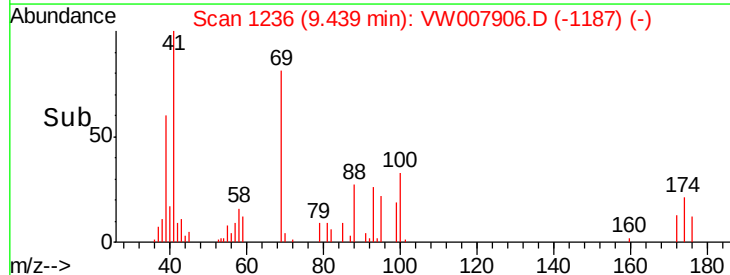
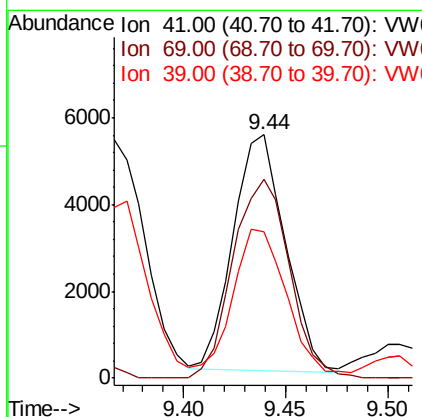
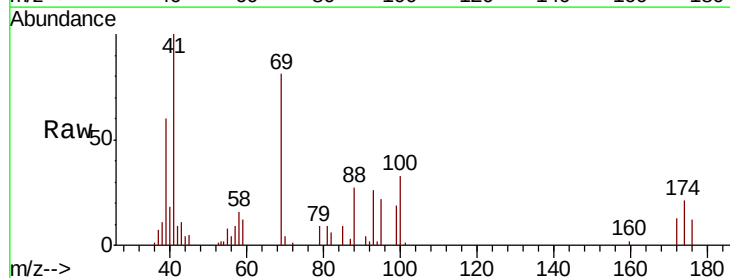
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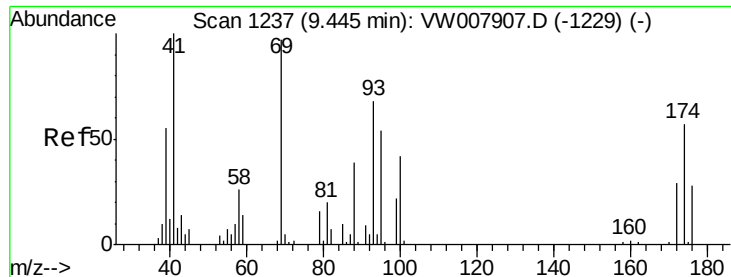
apatel
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#48
Methyl methacrylate
Concen: 20.327 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	9696		
69	90.9		70.4	105.6
39	66.4		51.7	77.5





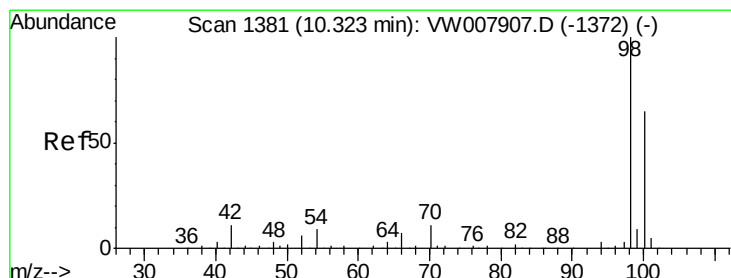
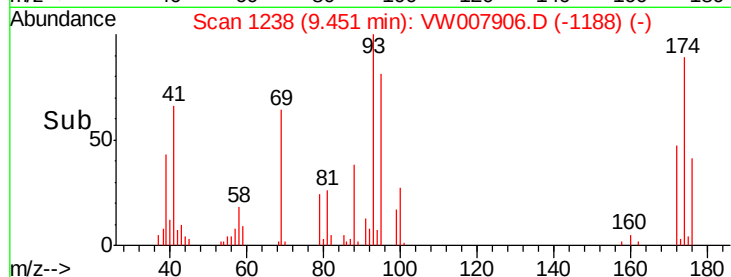
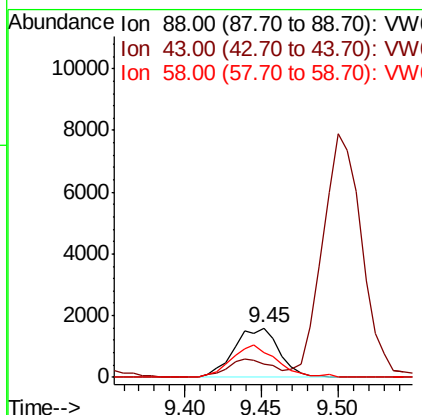
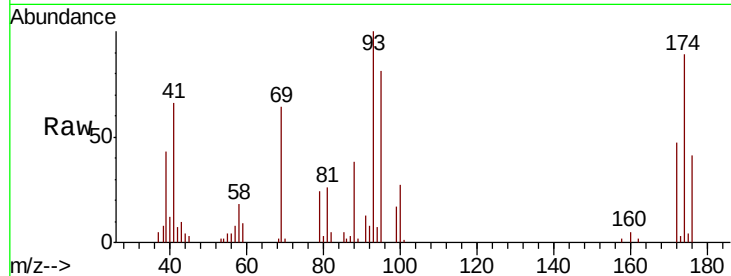
#49
1,4-Dioxane
Concen: 418.033 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	3275
Ion	Ratio	Lower	Upper
88	100		
43	35.4	30.9	46.3
58	65.7	55.4	83.0

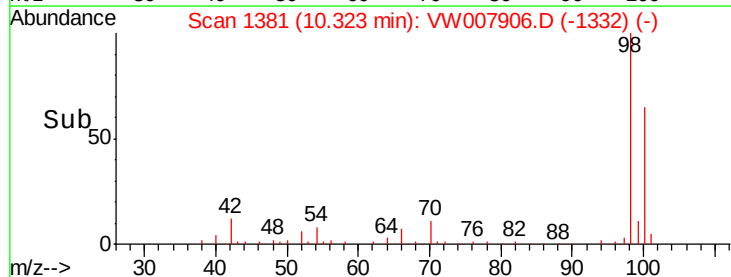
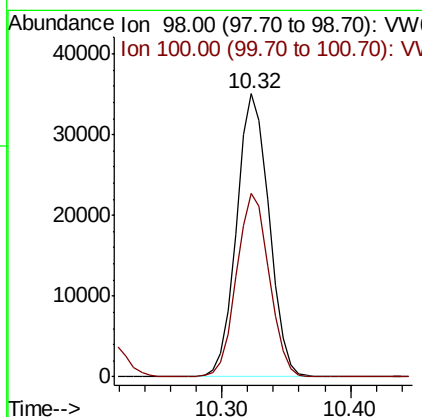
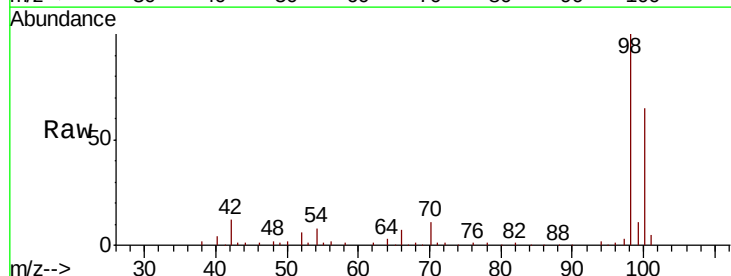
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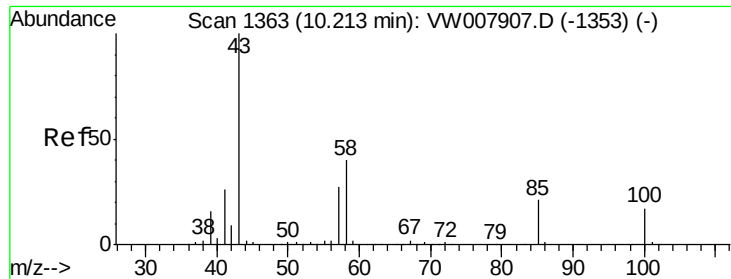
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#50
Toluene-d8
Concen: 18.897 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	98	Resp	61085
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 104.987 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 47559

Ion Ratio Lower Upper

43 100

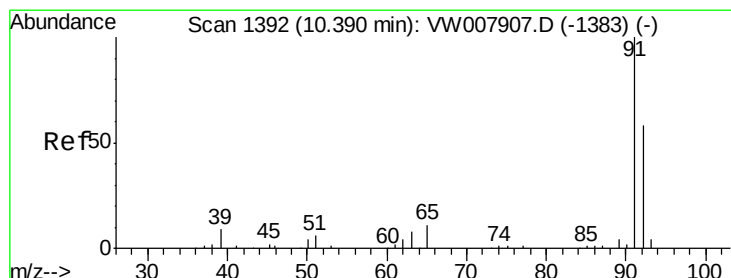
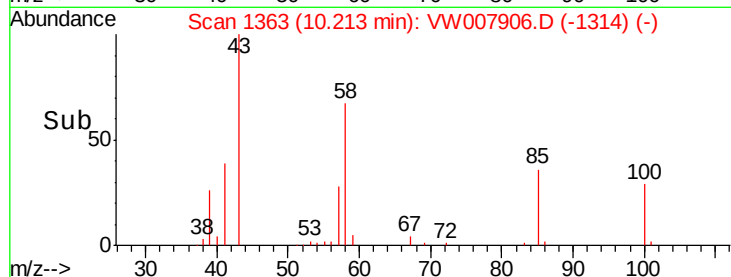
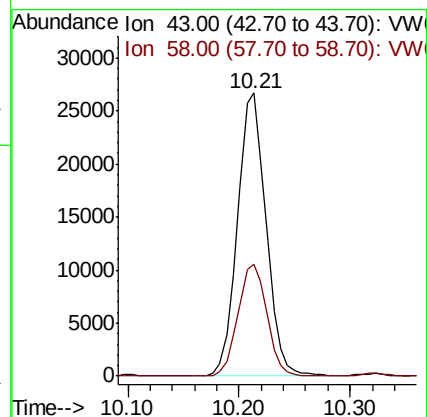
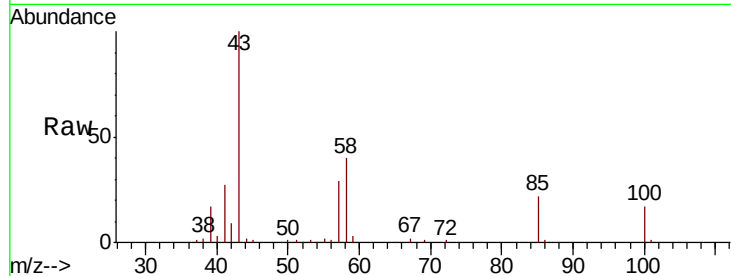
58 39.6 31.6 47.4

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#52

Toluene

Concen: 18.465 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007906.D

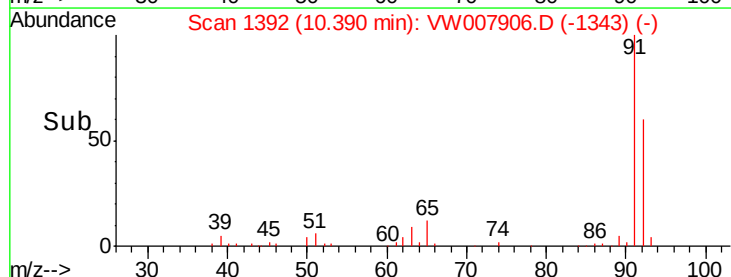
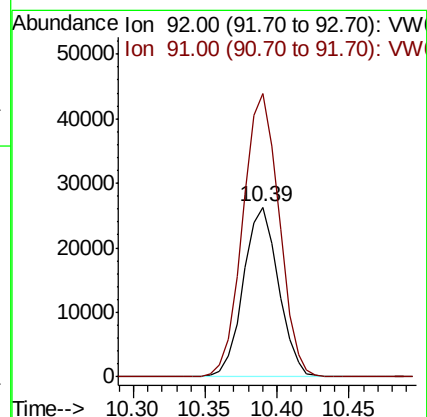
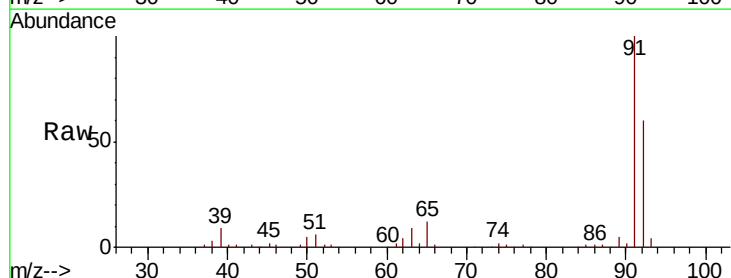
Acq: 25 Dec 2018 00:04

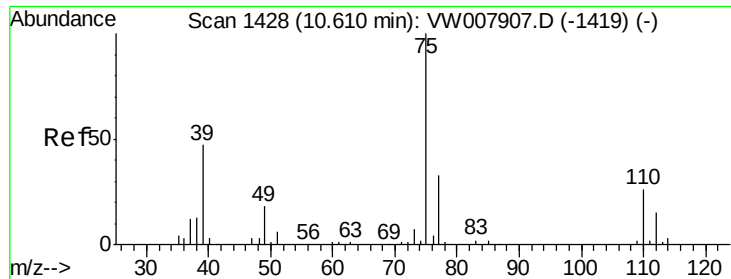
Tgt Ion: 92 Resp: 44492

Ion Ratio Lower Upper

92 100

91 172.4 138.0 207.0





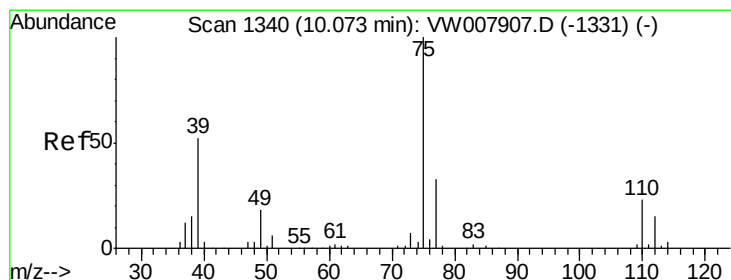
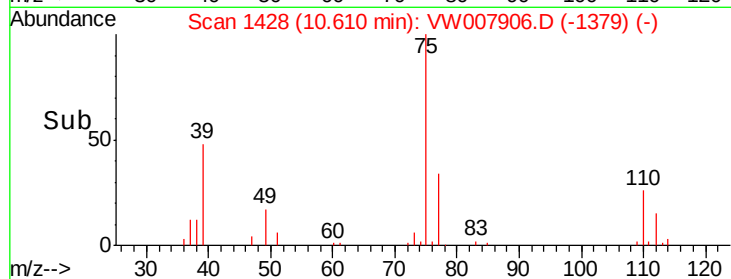
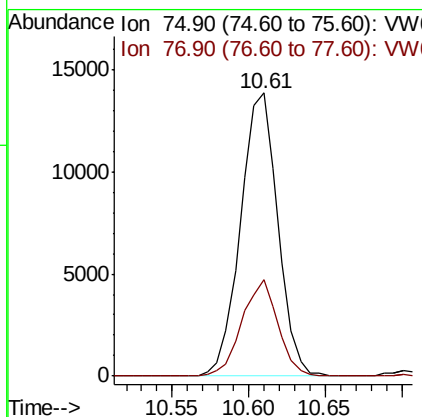
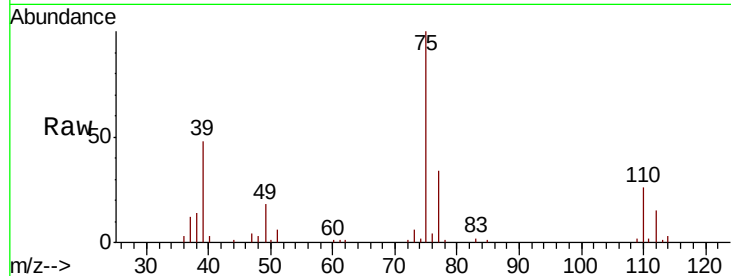
#53
 t-1,3-Dichloropropene
 Concen: 18.210 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 23431
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.4 39.6

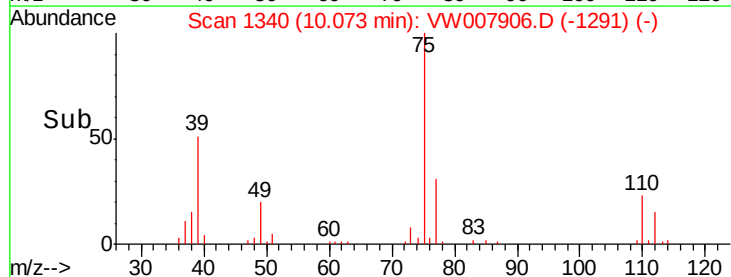
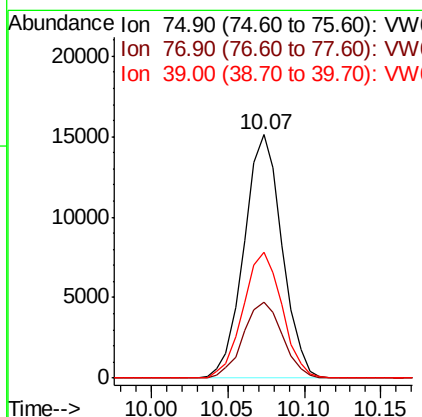
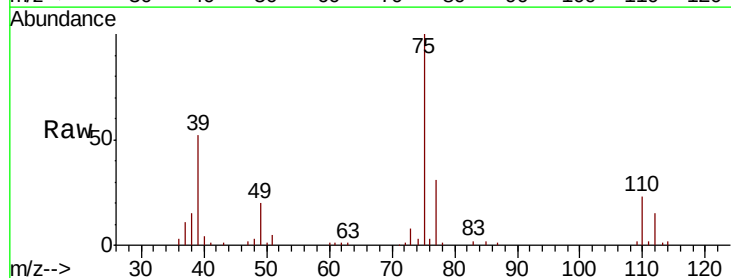
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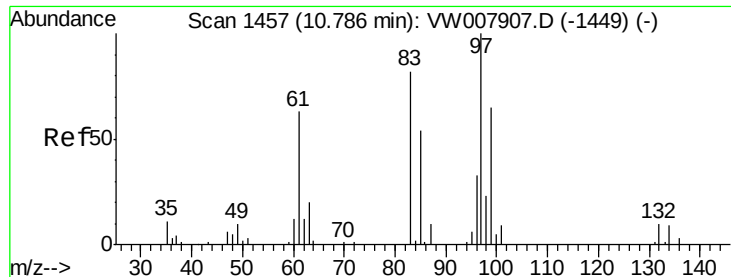
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#54
 cis-1,3-Dichloropropene
 Concen: 18.393 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 75 Resp: 26142
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.2 39.2
 39 51.9 41.8 62.6





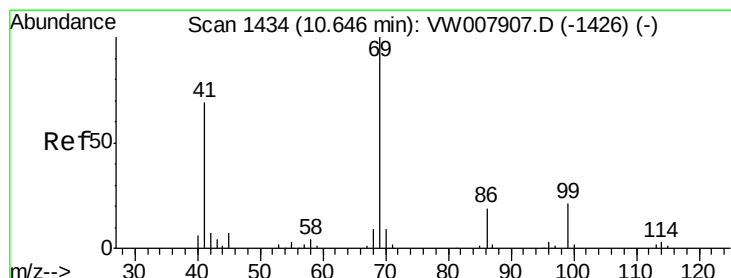
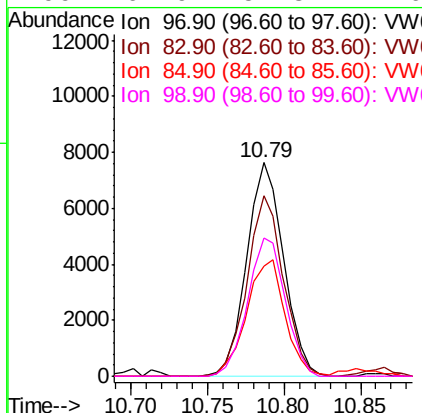
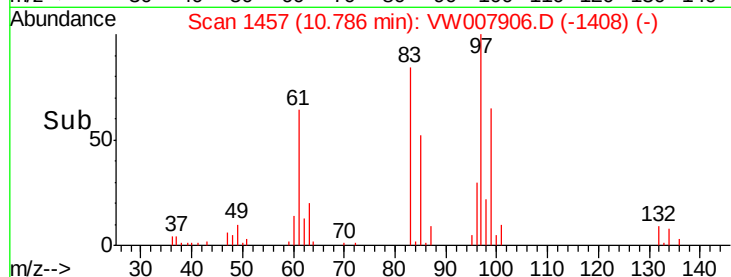
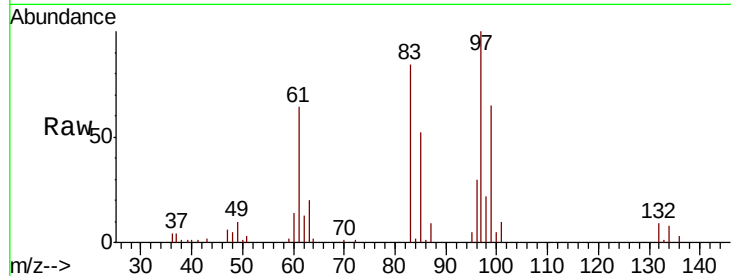
#55
 1,1,2-Trichloroethane
 Concen: 18.815 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	12826
Ion	Ratio	Lower	Upper
97	100		
83	84.3	65.8	98.6
85	51.7	43.5	65.3
99	64.9	51.8	77.6

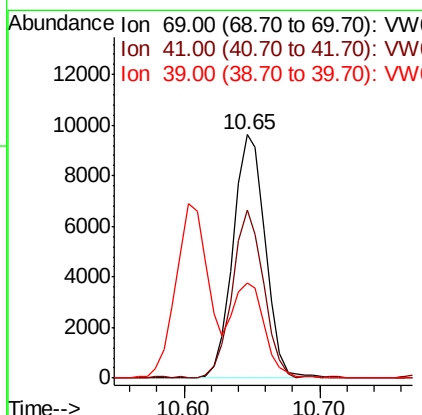
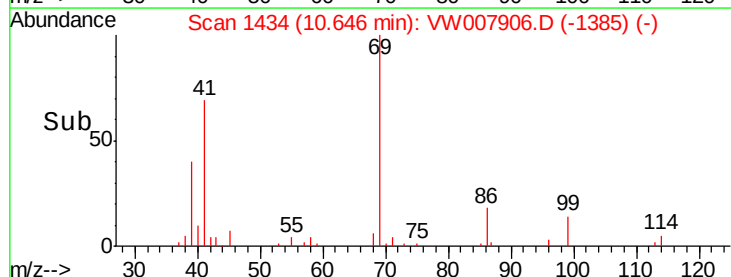
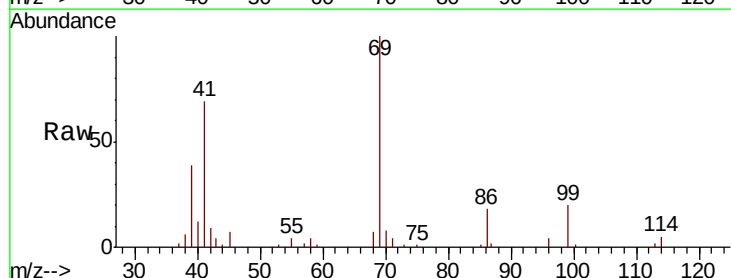
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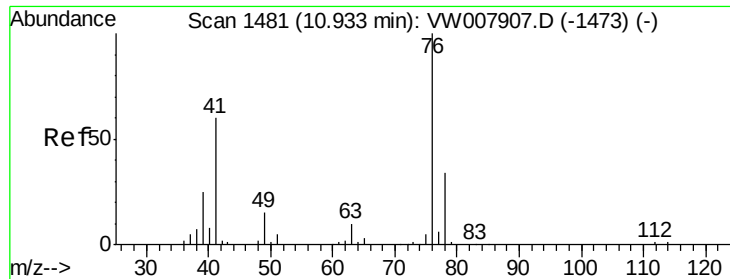
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#56
 Ethyl methacrylate
 Concen: 19.649 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion:	69	Resp:	15875
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.0	81.0
39	39.4	31.1	46.7





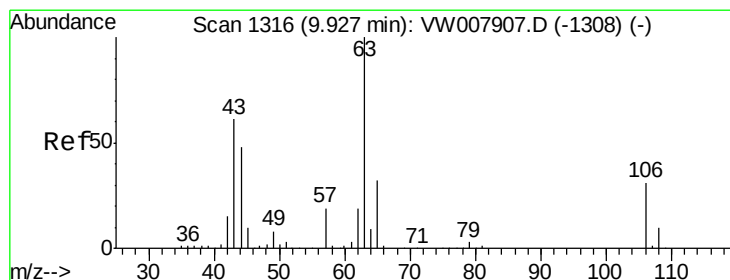
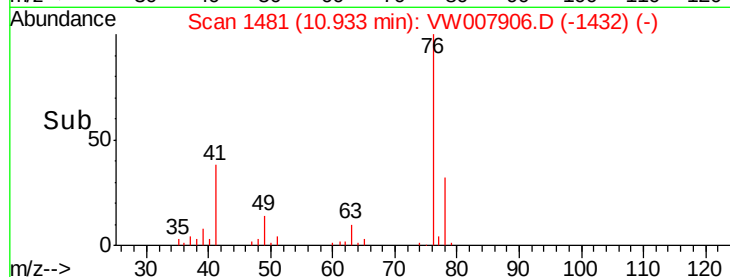
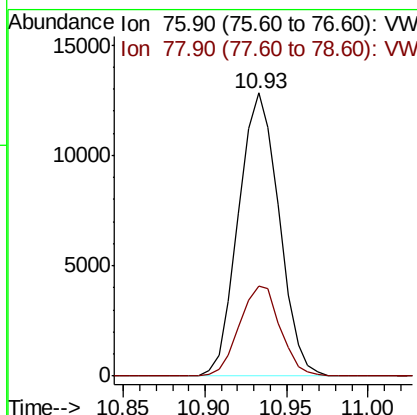
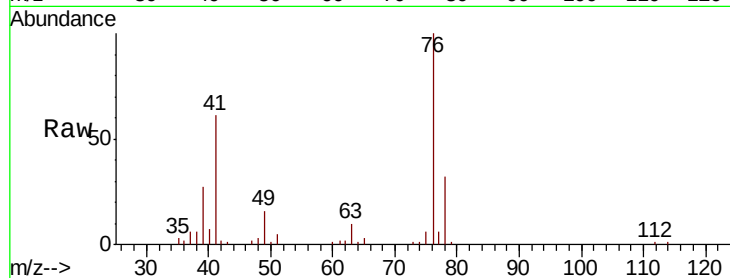
#57
 1,3-Dichloropropane
 Concen: 19.556 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion: 76 Resp: 22233
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

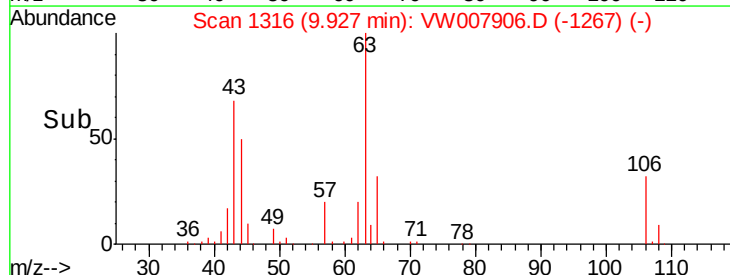
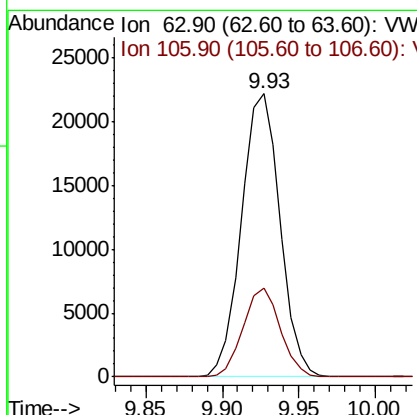
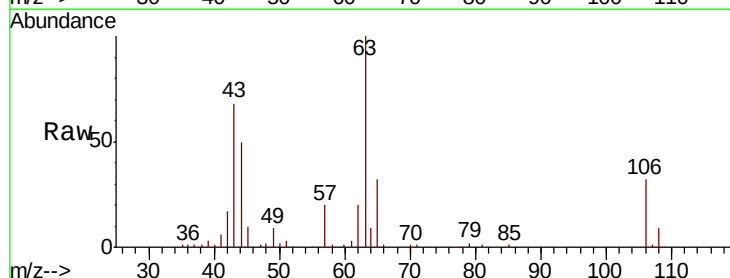
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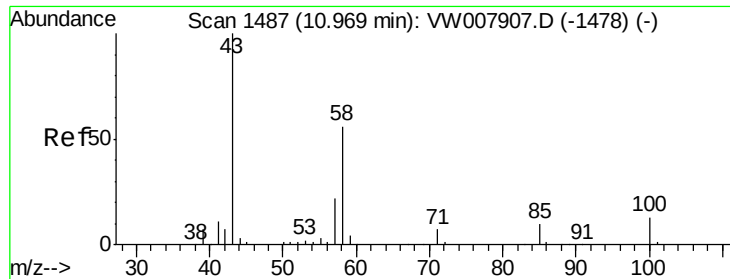
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.498 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 63 Resp: 38852
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.8 37.2





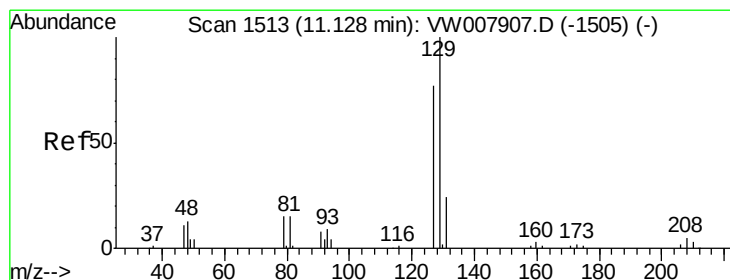
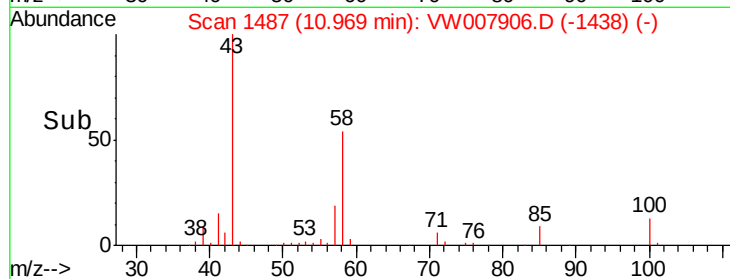
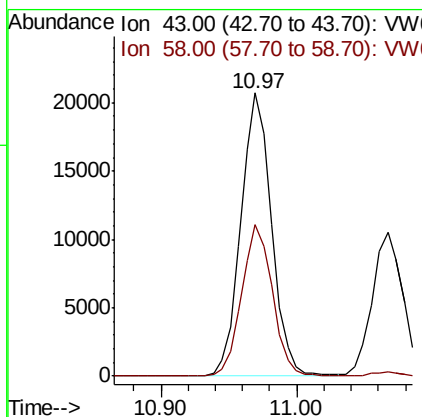
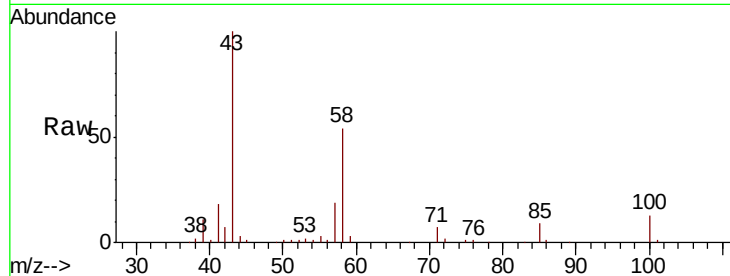
#59
2-Hexanone
Concen: 102.970 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 32672
Ion Ratio Lower Upper
43 100
58 53.4 27.4 82.0

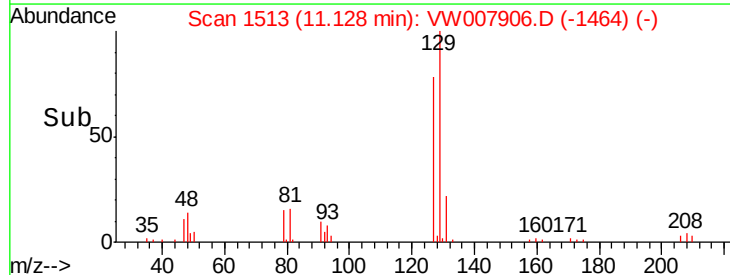
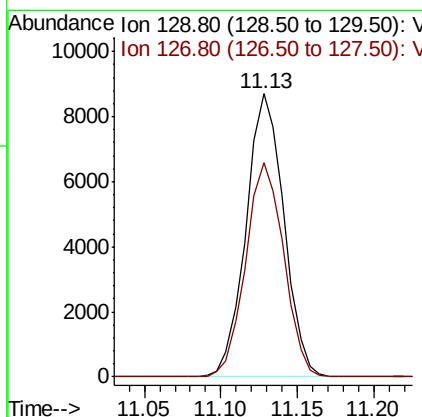
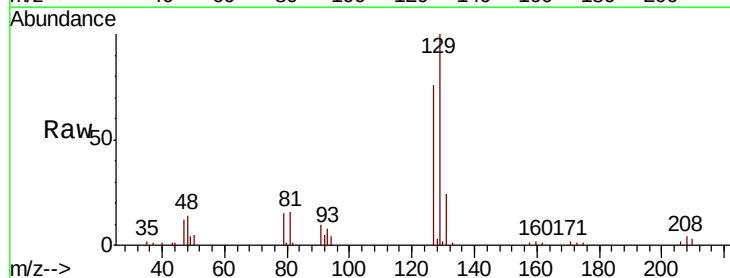
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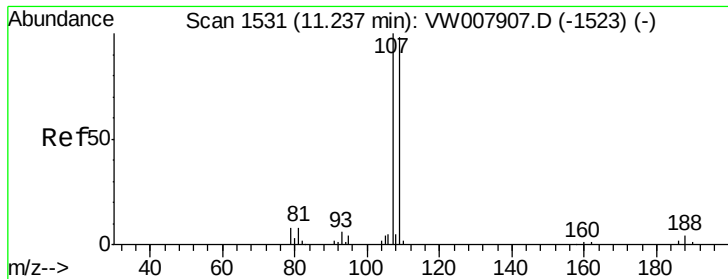
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#60
Dibromochloromethane
Concen: 16.859 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 129 Resp: 14964
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.623 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 12830

Ion Ratio Lower Upper

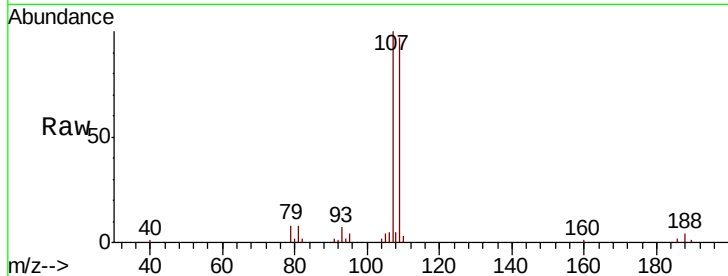
107 100

109 96.5 76.4 114.6

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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

8000

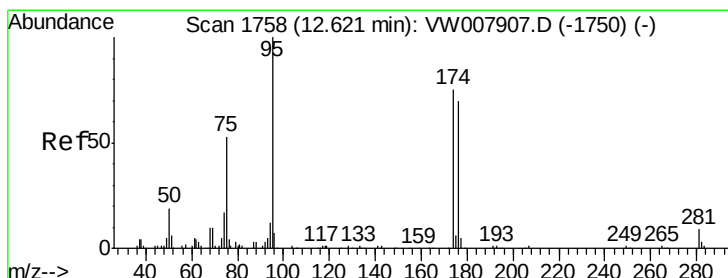
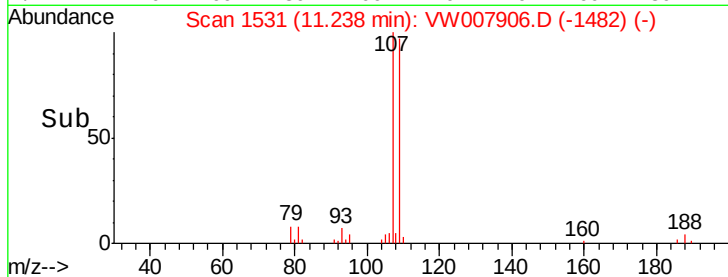
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 19.154 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

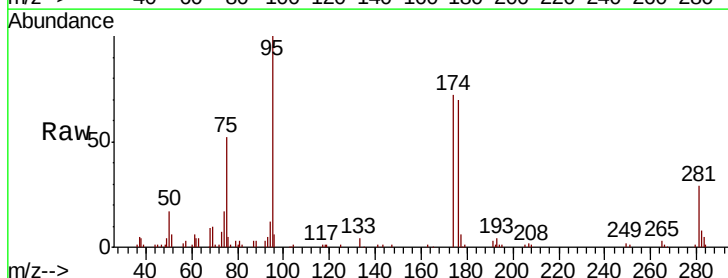
Tgt Ion: 95 Resp: 23912

Ion Ratio Lower Upper

95 100

174 73.0 0.0 145.4

176 70.9 0.0 140.2



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

20000

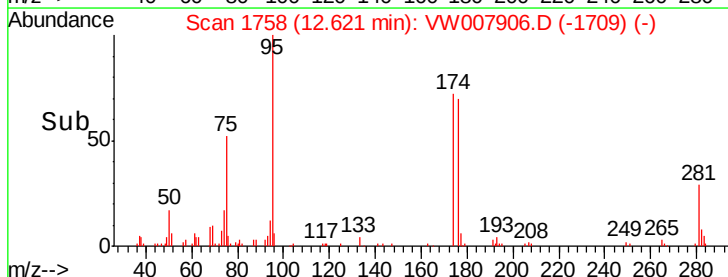
15000

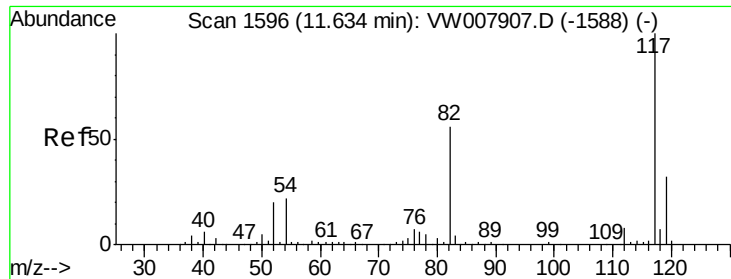
10000

5000

0

Time--> 12.55 12.60 12.65





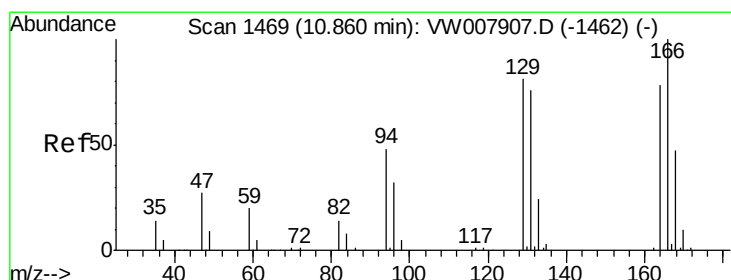
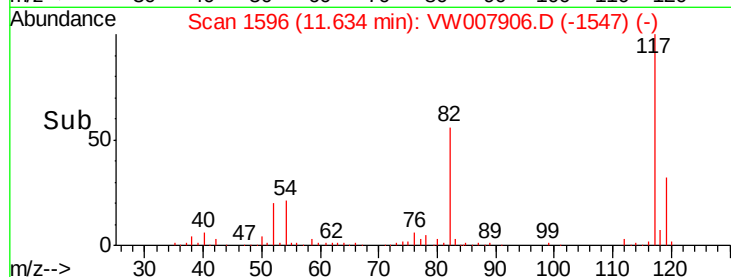
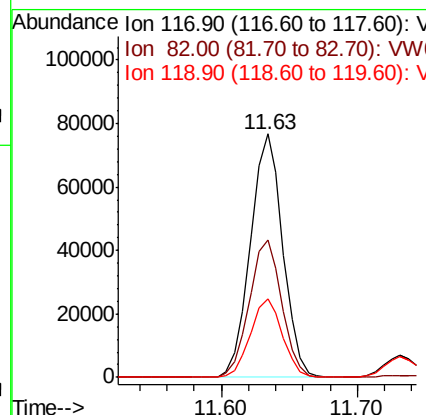
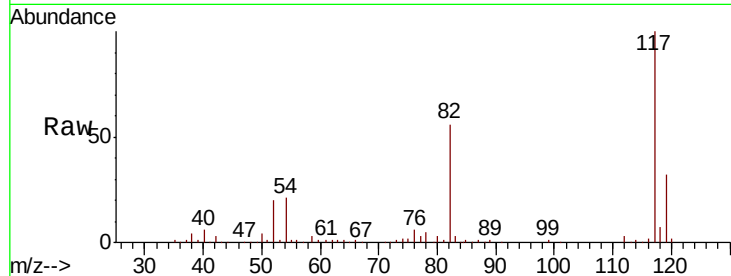
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.1	67.7
119	32.0	25.8	38.8

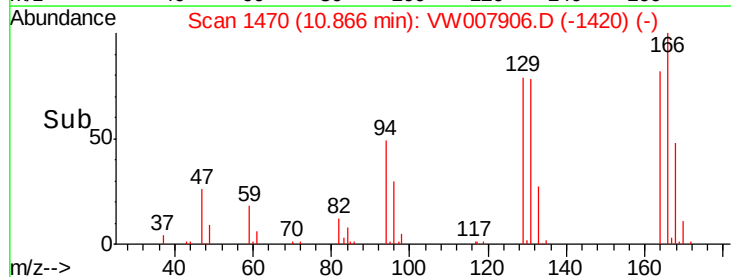
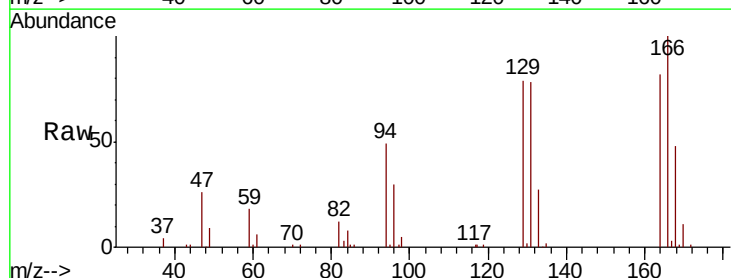
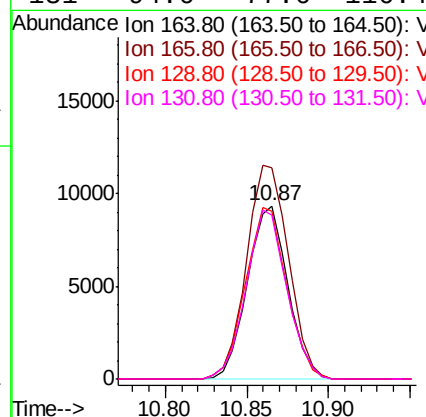
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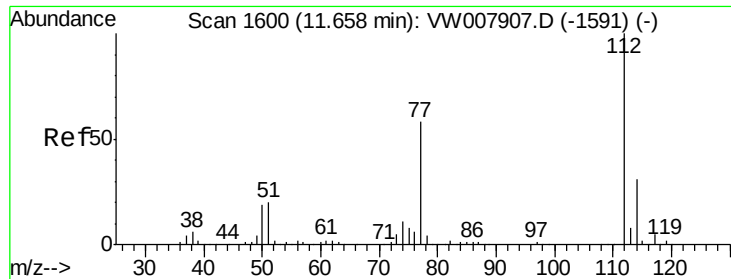
apatel
12/27/2018 11:17:11 AM



#64
Tetrachloroethene
Concen: 17.703 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	102.1	153.1
129	96.9	82.3	123.5
131	94.6	77.6	116.4





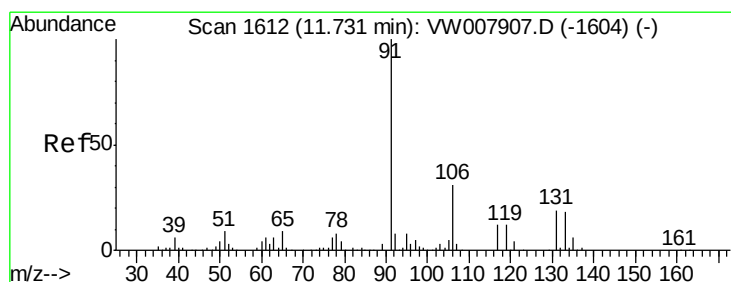
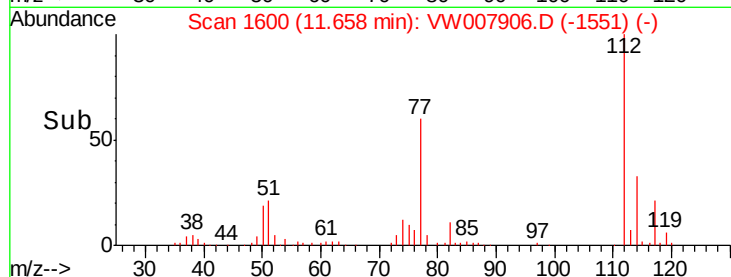
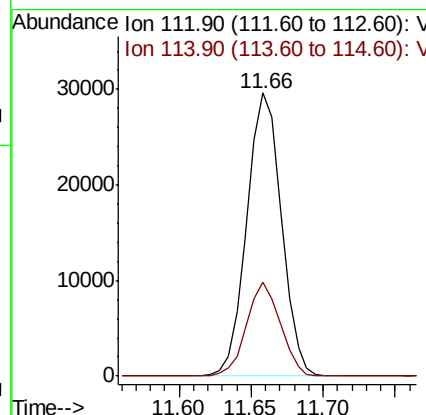
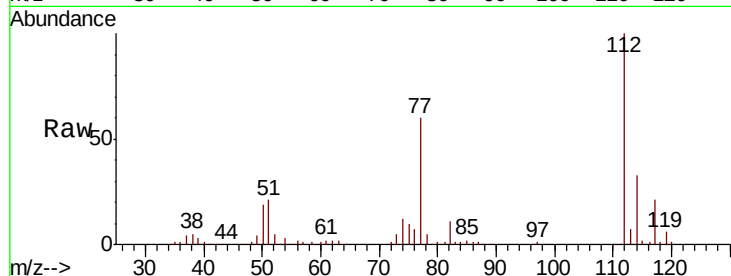
#65
Chlorobenzene
Concen: 17.751 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 49154
Ion Ratio Lower Upper
112 100
114 33.0 25.1 37.7

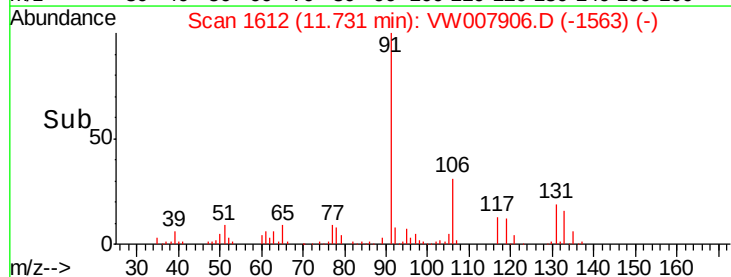
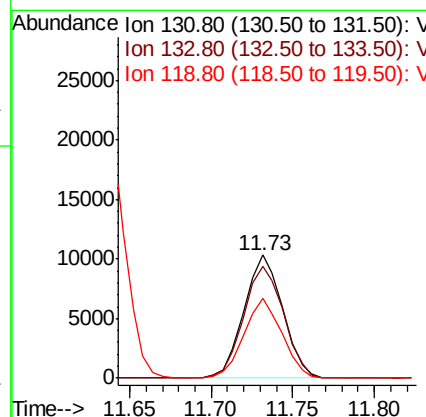
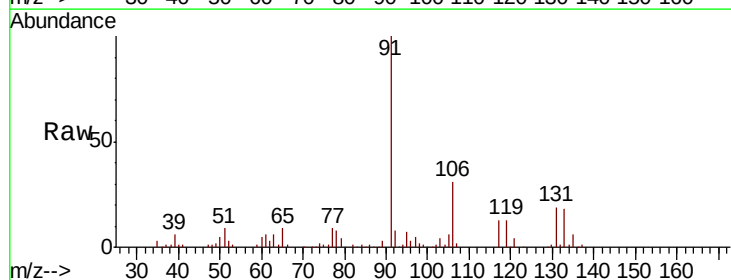
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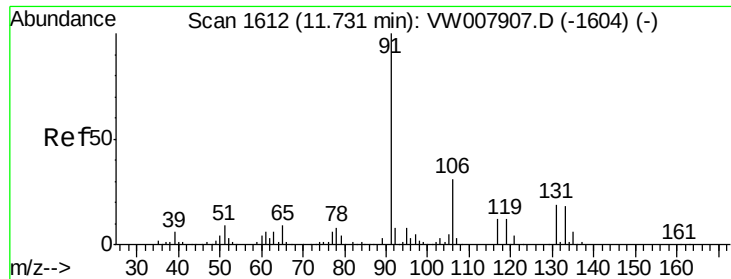
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.379 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion:131 Resp: 17091
Ion Ratio Lower Upper
131 100
133 93.4 48.4 145.3
119 63.4 31.6 95.0





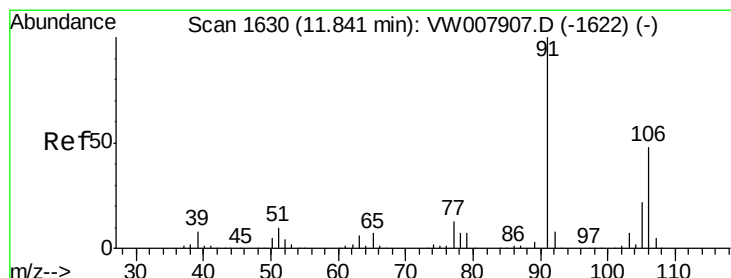
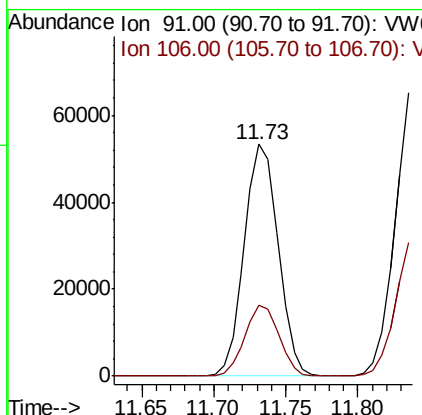
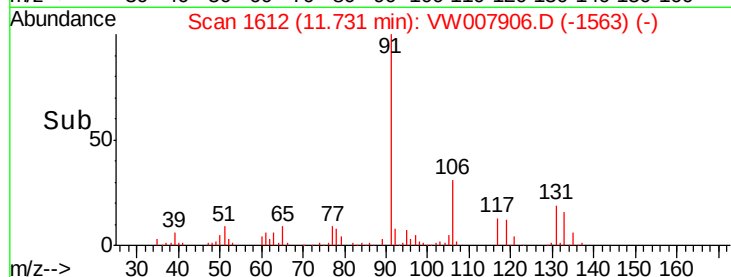
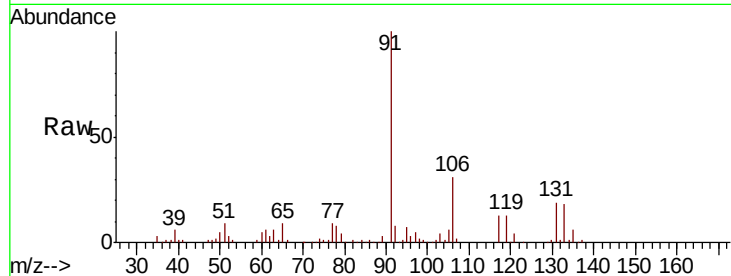
#67
Ethyl Benzene
Concen: 18.298 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 87196
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0

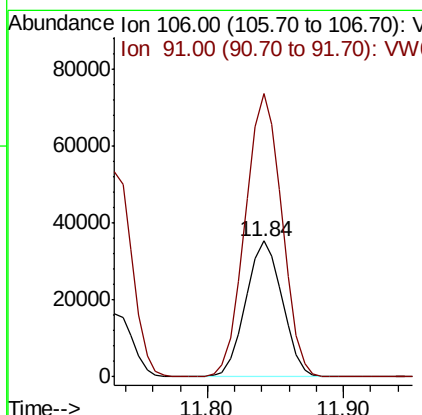
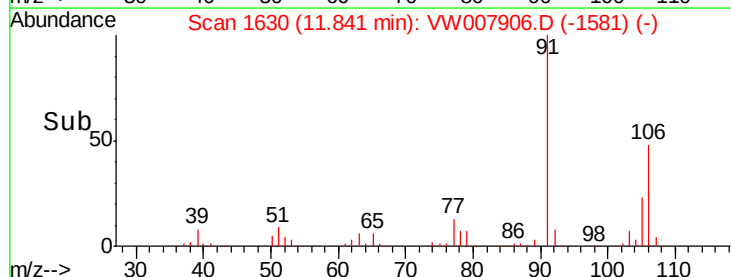
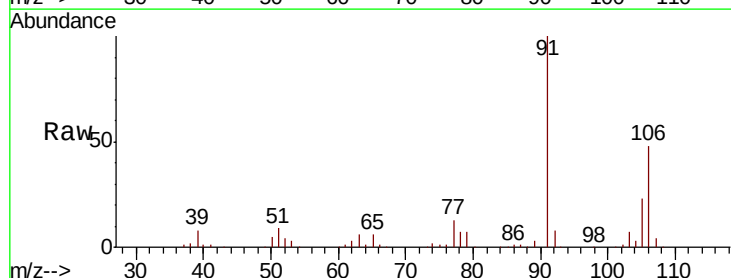
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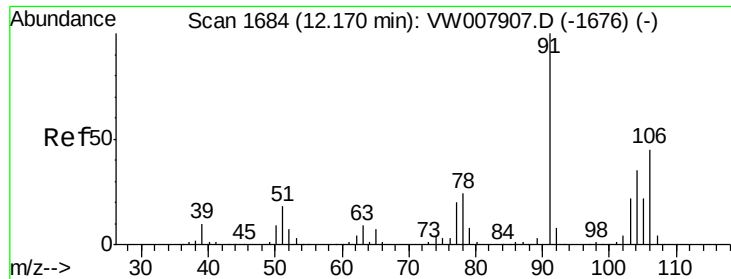
apatel
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#68
m/p-Xylenes
Concen: 36.101 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 106 Resp: 66462
Ion Ratio Lower Upper
106 100
91 209.0 166.6 249.8





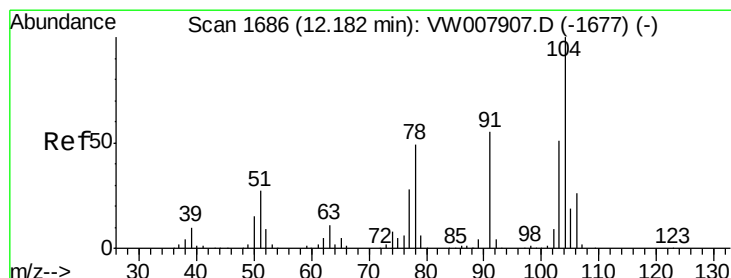
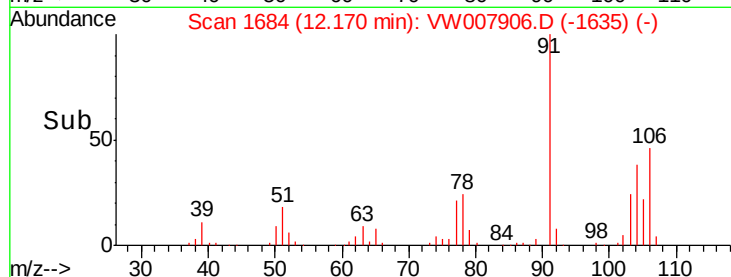
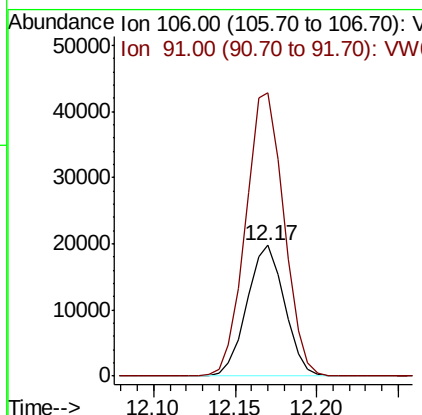
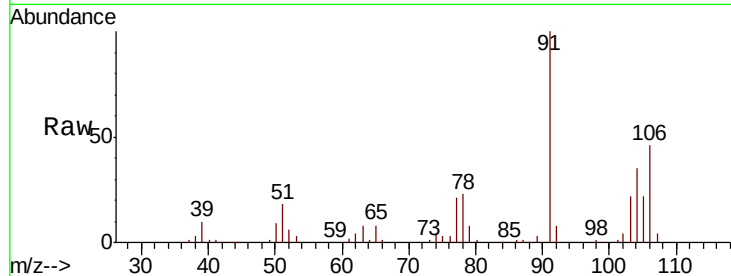
#69
o-Xylene
Concen: 18.365 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 31761
Ion Ratio Lower Upper
106 100
91 220.5 110.3 331.0

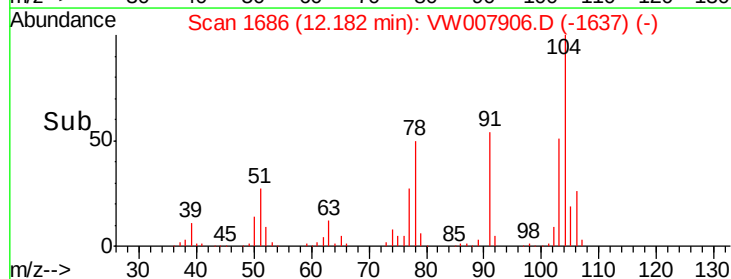
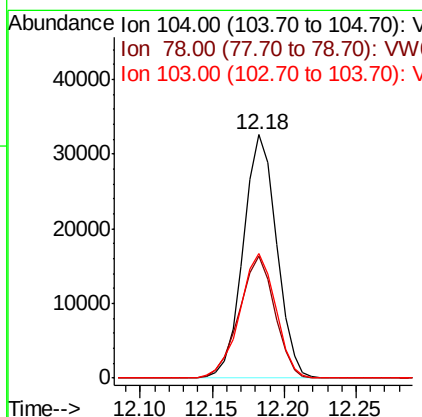
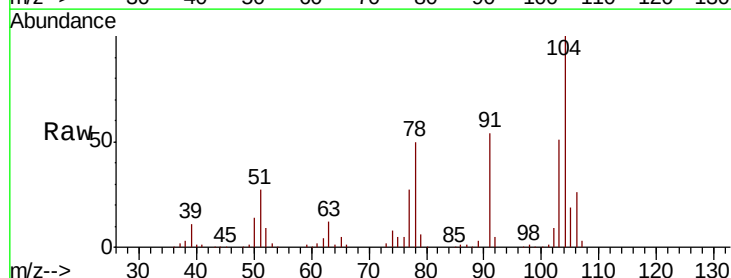
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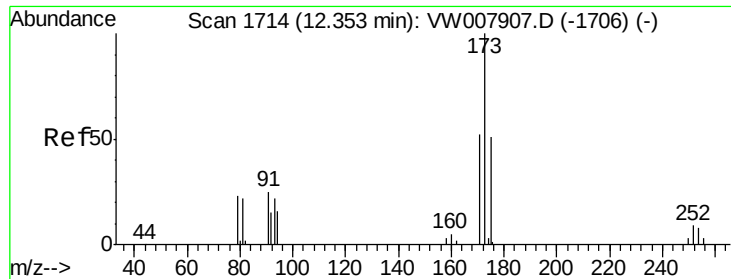
apatel
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#70
Styrene
Concen: 18.357 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion:104 Resp: 52229
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 55.5 44.1 66.1





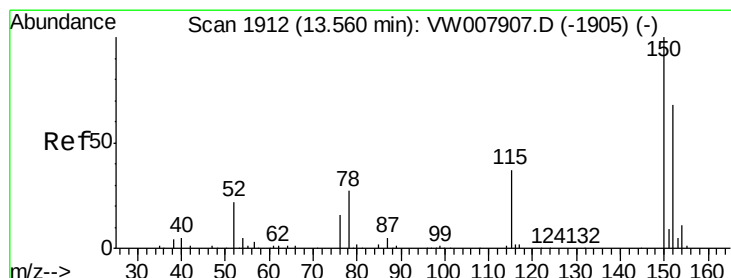
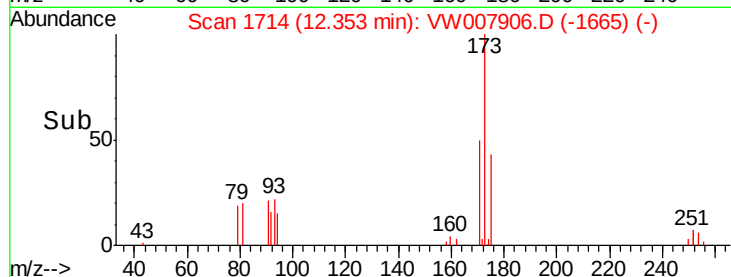
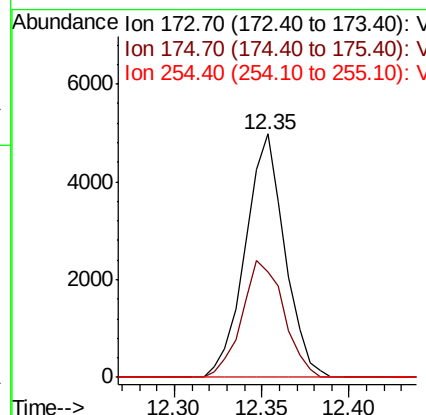
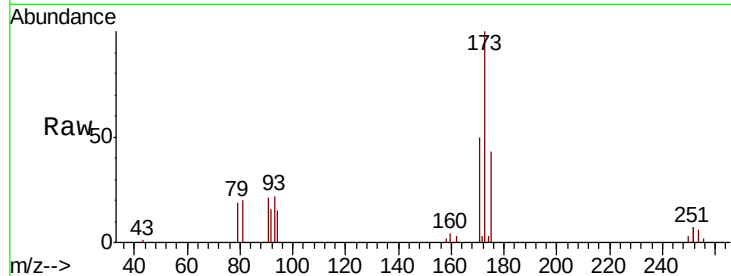
#71
Bromoform
Concen: 15.551 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.9	74.7
254	0.0	0.0	0.0

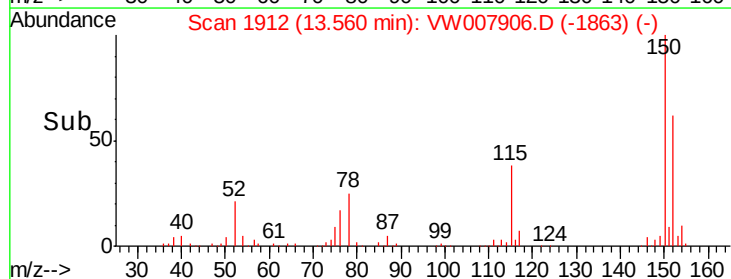
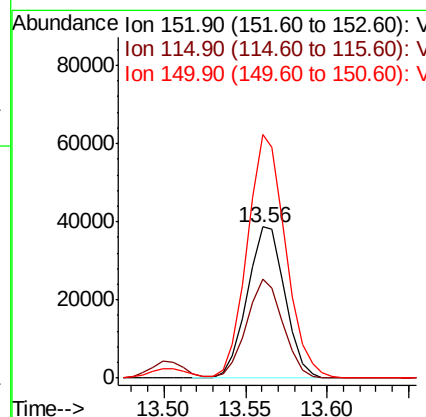
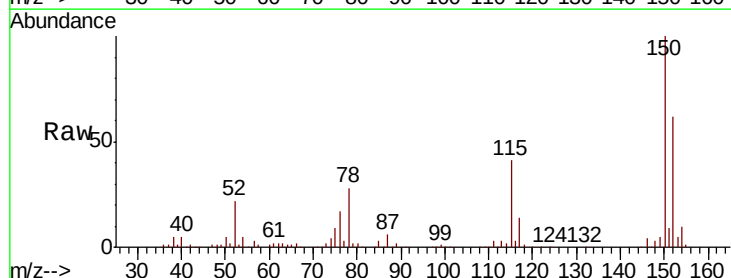
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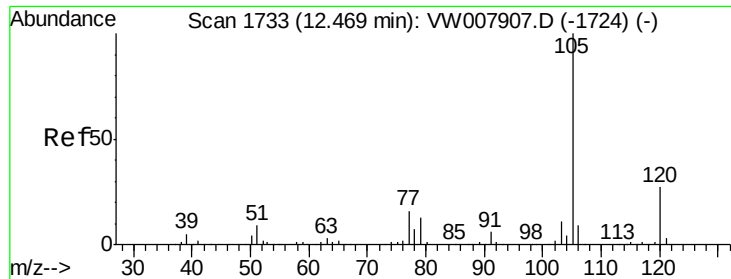
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	31.9	95.9
150	163.2	0.0	349.4





#73

Isopropylbenzene

Concen: 18.676 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 88588

Ion Ratio Lower Upper

105 100

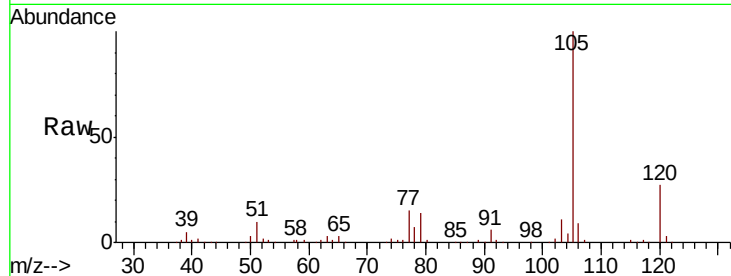
120 26.2 13.1 39.3

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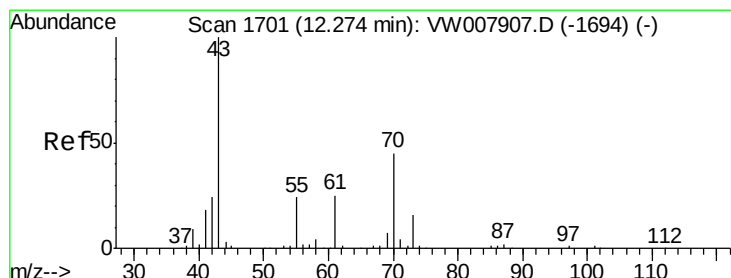
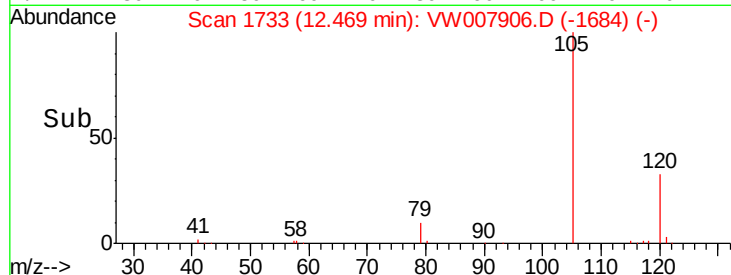
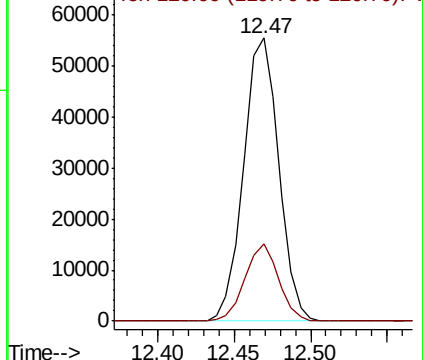
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.176 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Tgt Ion: 43 Resp: 17956

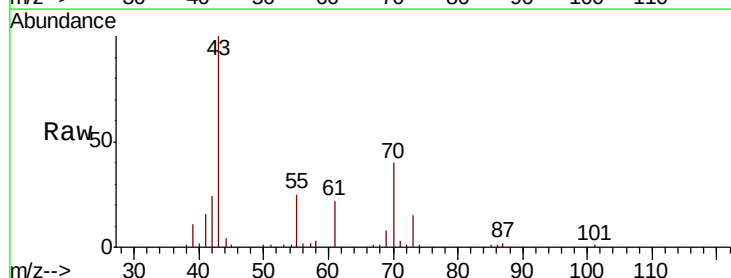
Ion Ratio Lower Upper

43 100

70 41.7 35.4 53.0

55 24.2 19.3 28.9

61 24.1 19.4 29.2

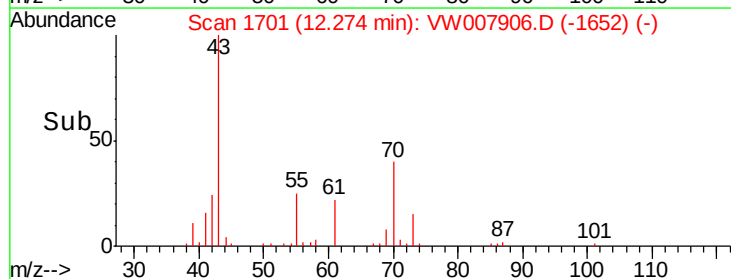
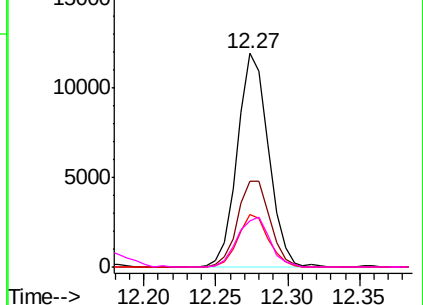


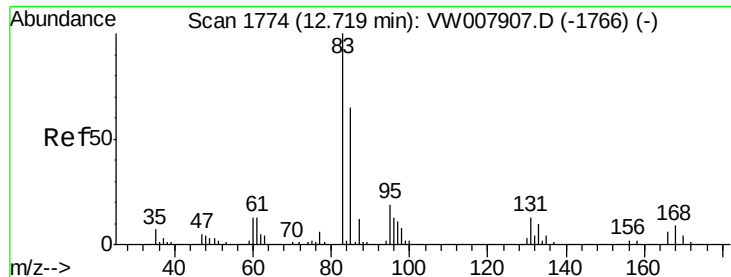
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.433 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

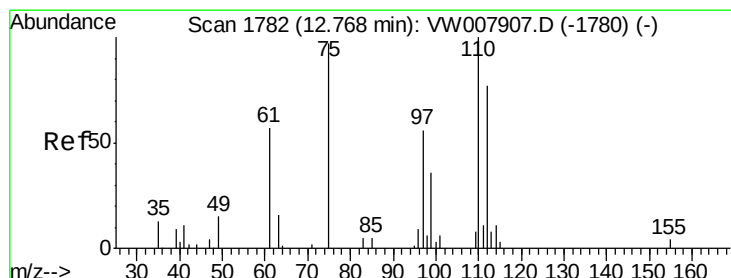
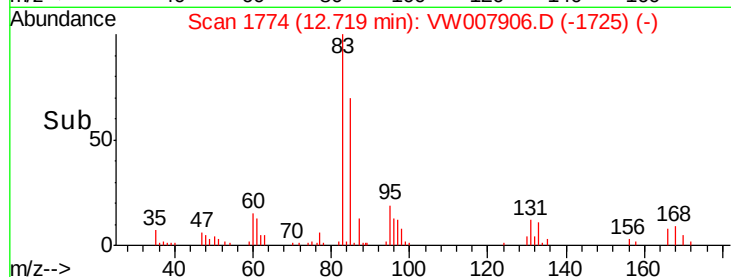
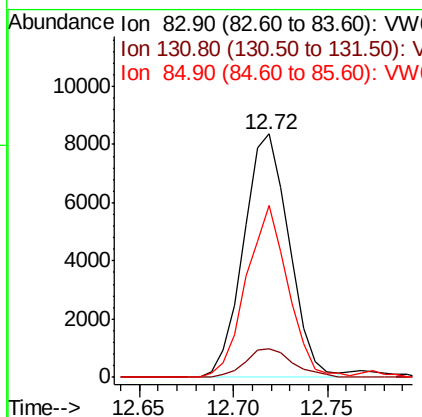
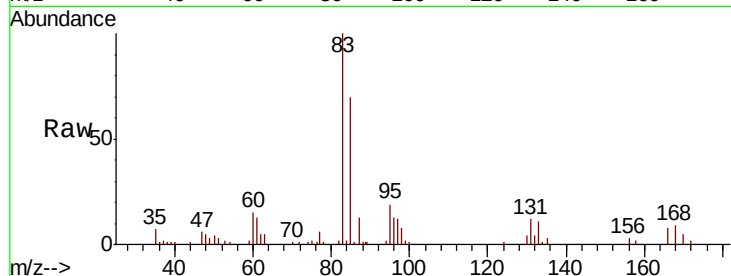
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	14006
Ion	Ratio	Lower	Upper
83	100		
131	12.2	6.2	18.4
85	64.7	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 23.160 ug/l m

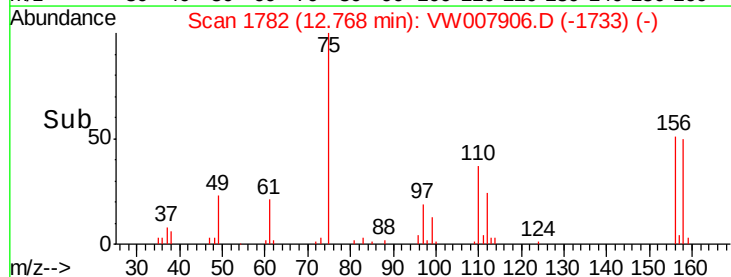
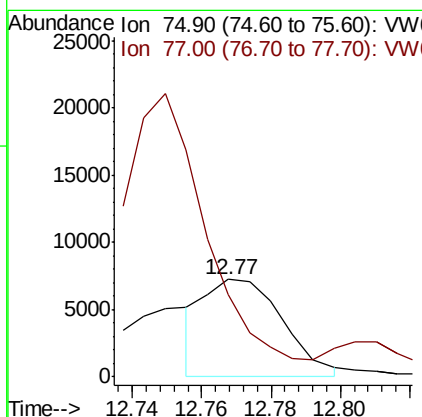
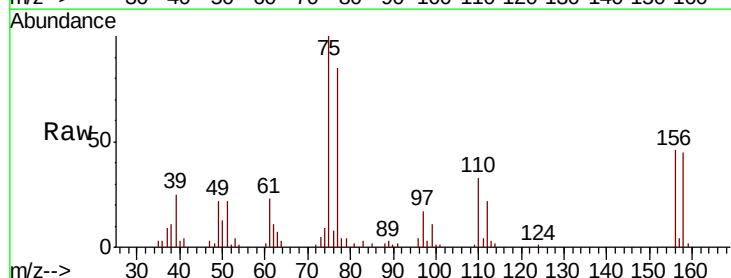
RT: 12.77 min Scan# 1782

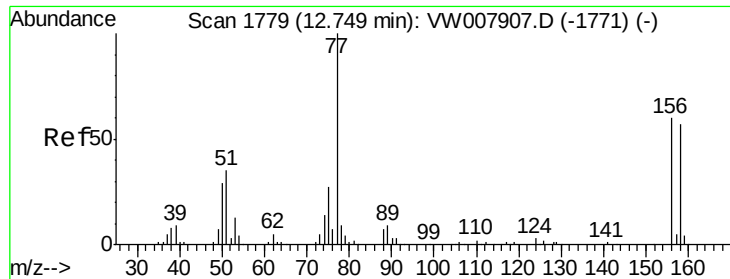
Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Tgt Ion:	75	Resp:	11466
Ion	Ratio	Lower	Upper
75	100		
77	328.6	165.9	497.7





#77

Bromobenzene

Concen: 18.571 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 20146

Ion Ratio Lower Upper

156 100

77 187.0 94.0 282.0

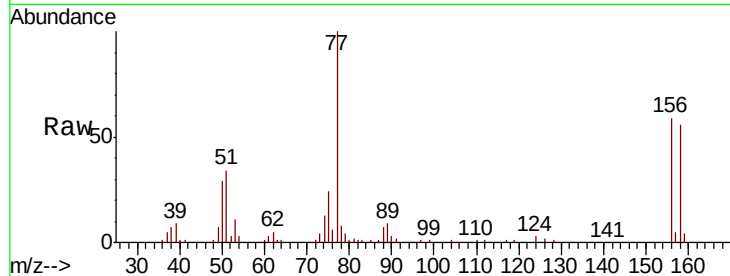
158 95.7 48.6 145.8

Manual Integrations

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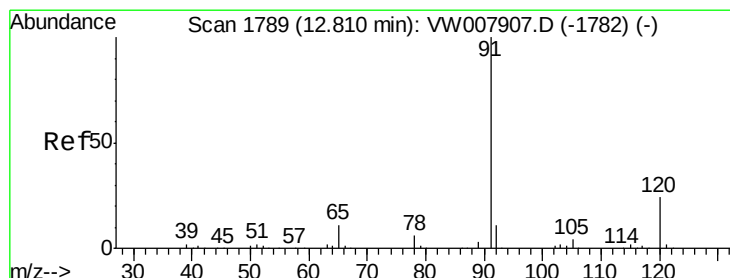
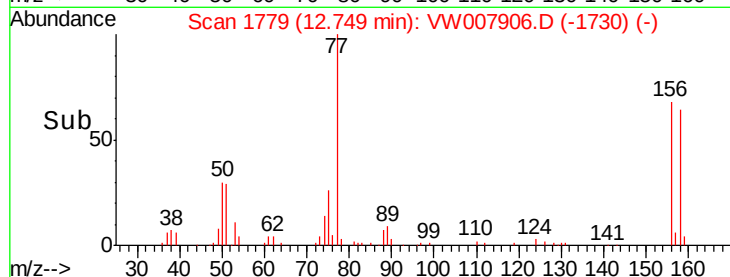
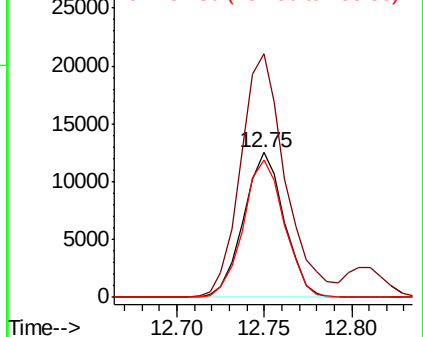
12/27/2018 11:17:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.404 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007906.D

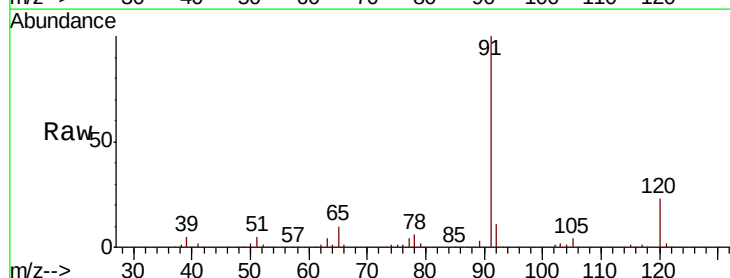
Acq: 25 Dec 2018 00:04

Tgt Ion: 91 Resp: 101684

Ion Ratio Lower Upper

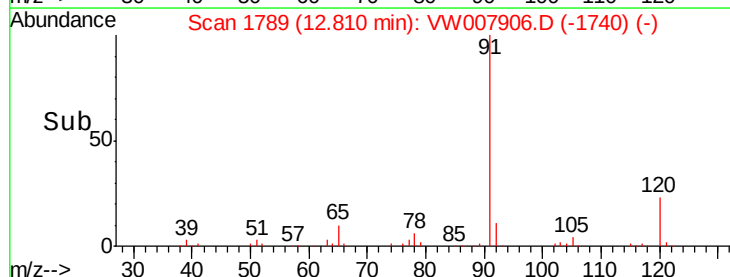
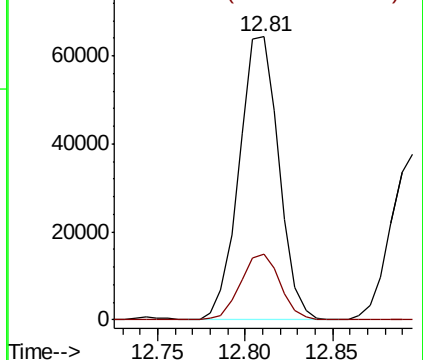
91 100

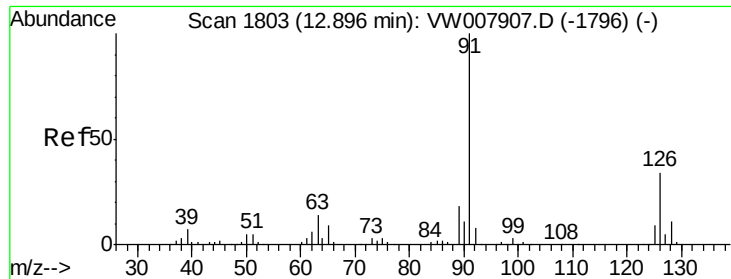
120 23.1 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.765 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 60703

Ion Ratio Lower Upper

91 100

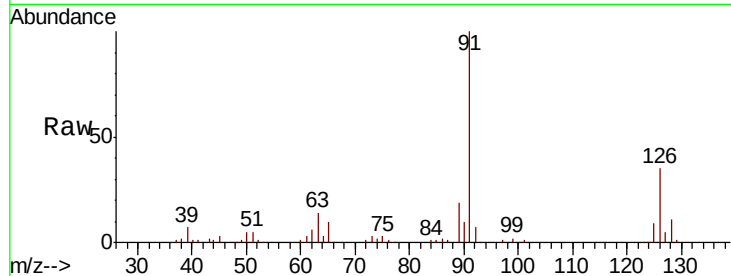
126 33.8 16.6 49.8

Manual Integrations

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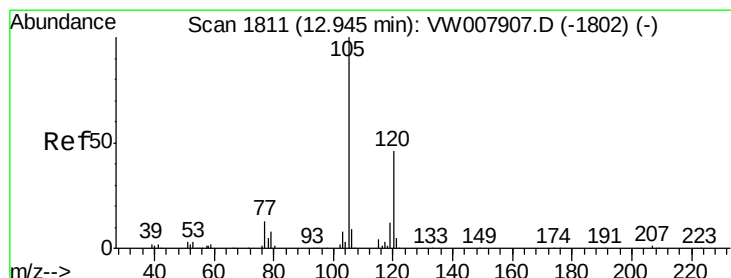
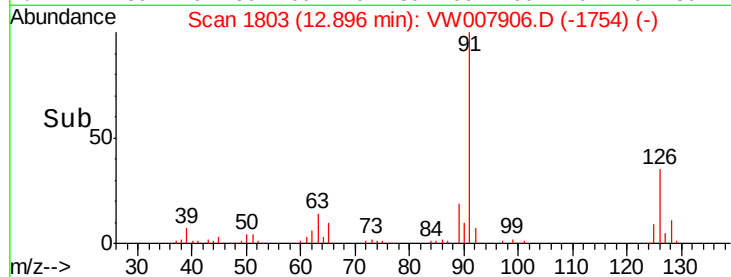
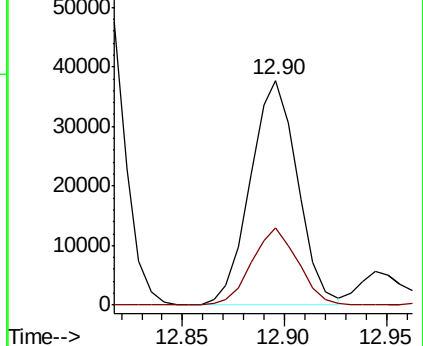
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.464 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW007906.D

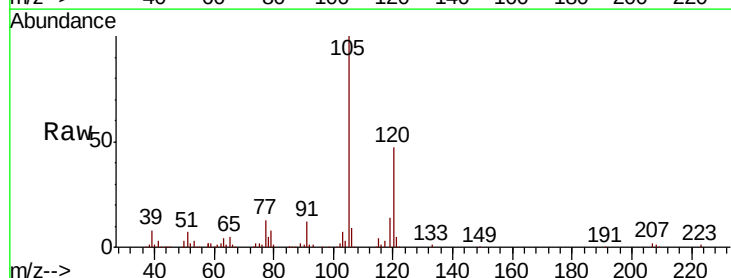
Acq: 25 Dec 2018 00:04

Tgt Ion:105 Resp: 75555

Ion Ratio Lower Upper

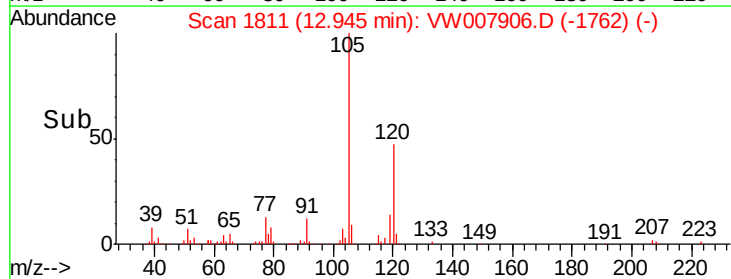
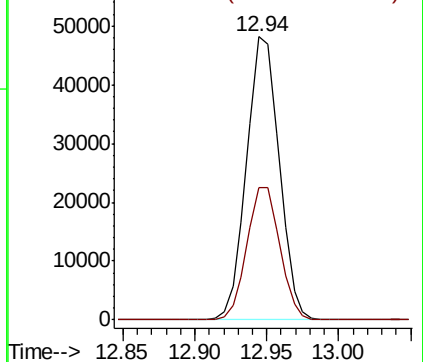
105 100

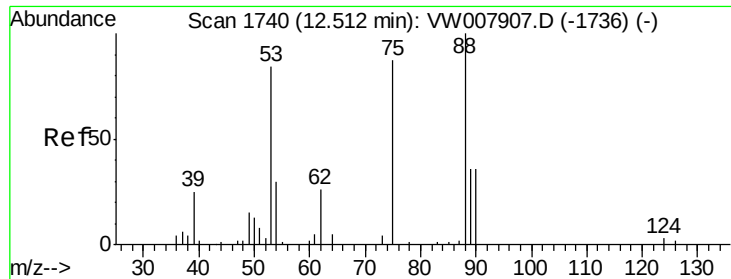
120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





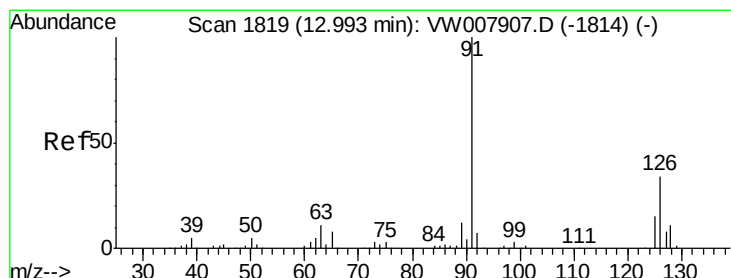
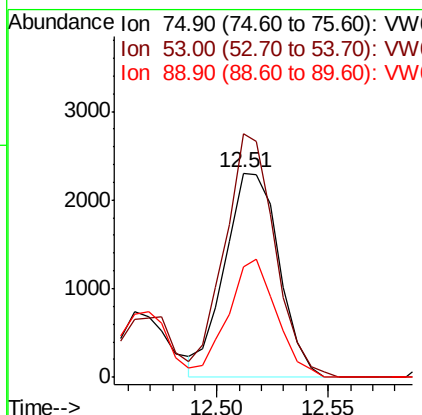
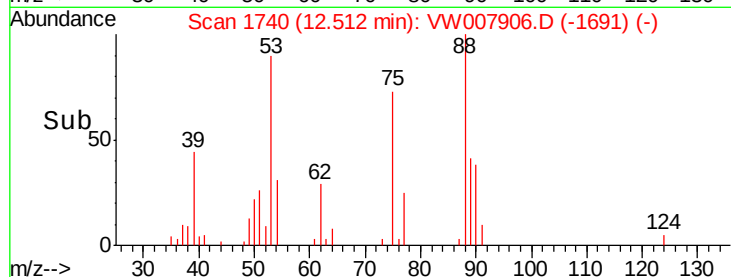
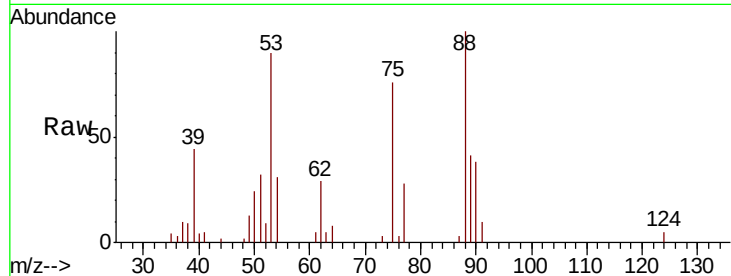
#81
trans-1,4-Dichloro-2-butene
Concen: 17.008 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.4	79.8	119.8
89	52.0	37.1	55.7

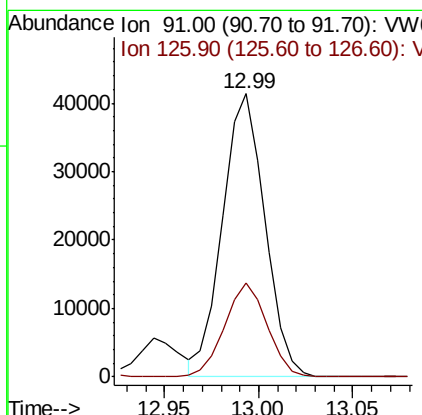
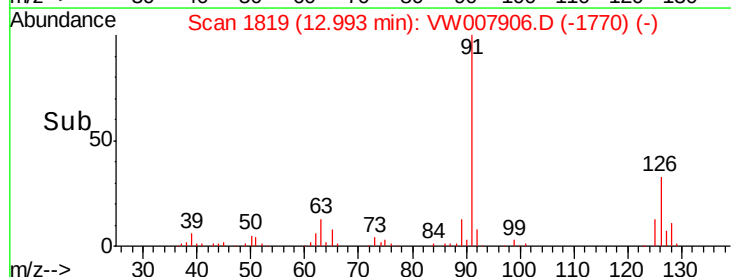
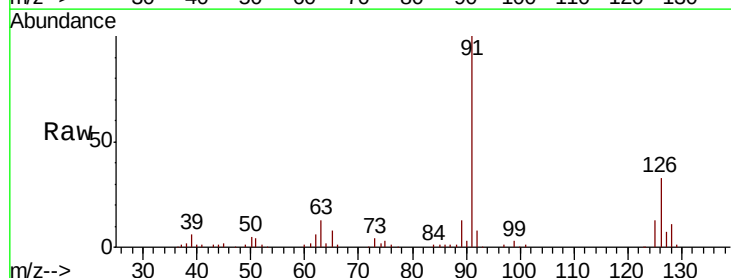
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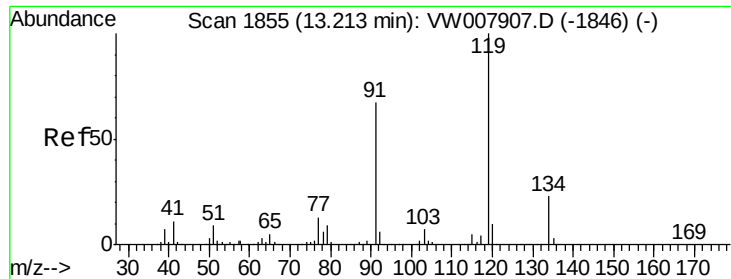
apatel
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#82
4-Chlorotoluene
Concen: 18.837 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





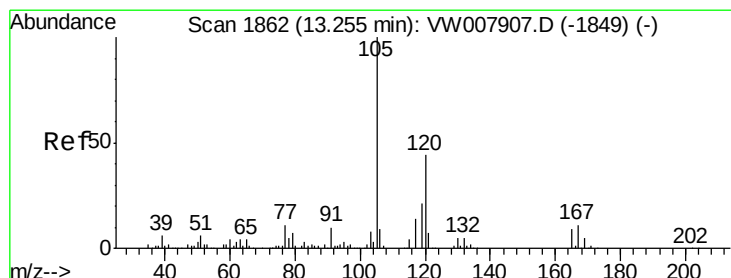
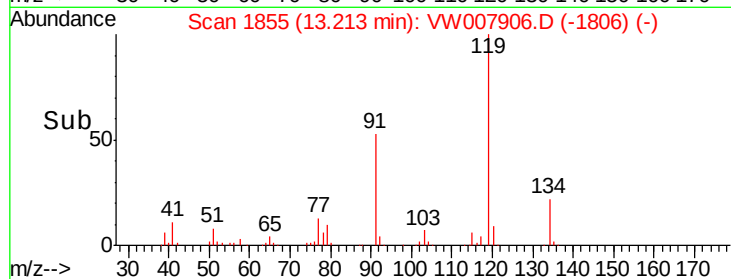
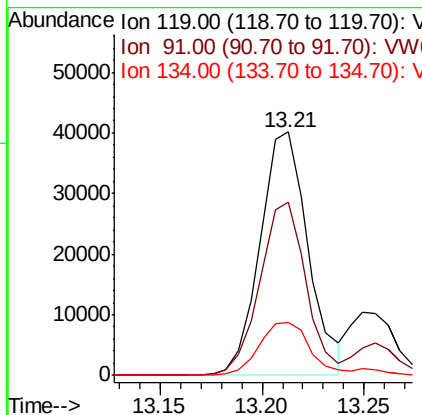
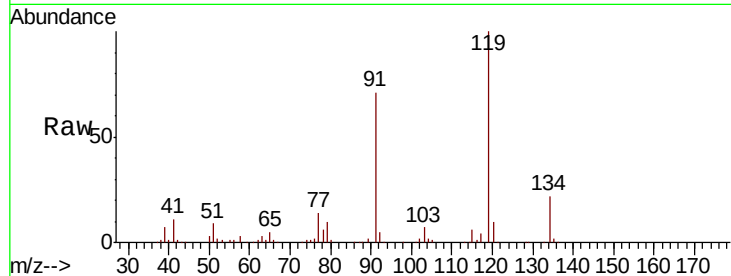
#83
 tert-Butylbenzene
 Concen: 18.398 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.8	101.3
134	23.0	11.7	35.1

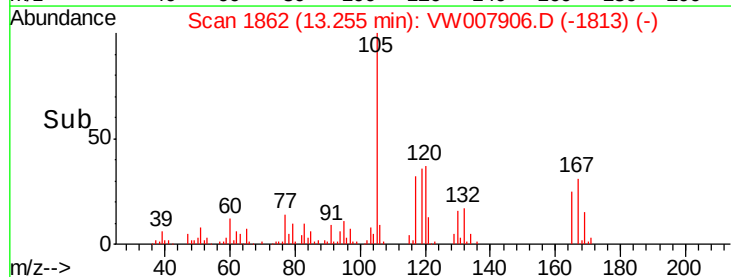
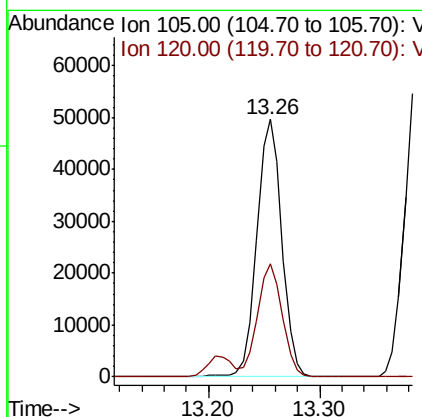
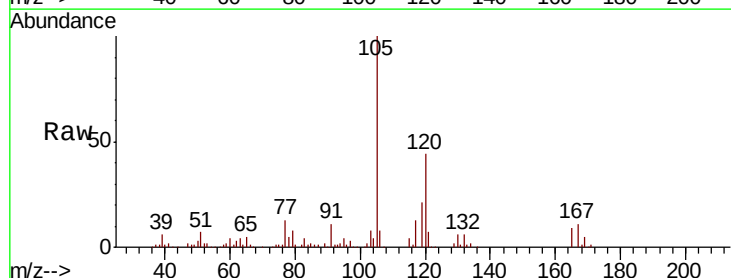
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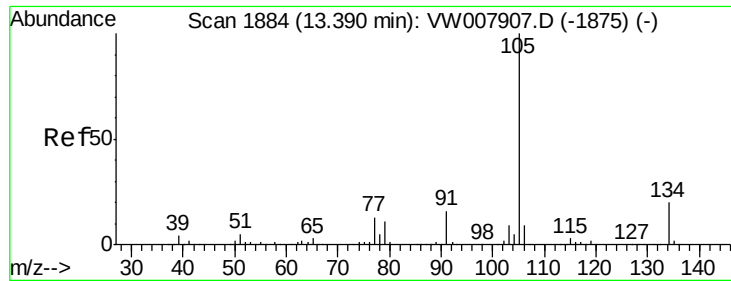
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.812 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.465 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 91246

Ion Ratio Lower Upper

105 100

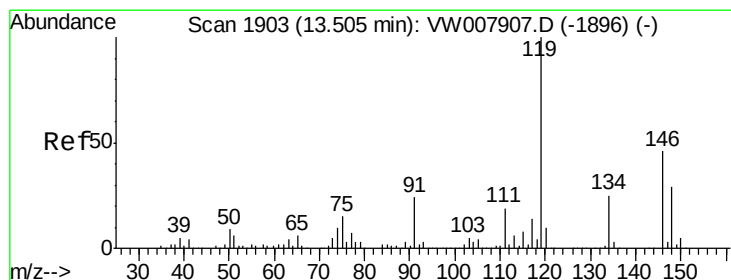
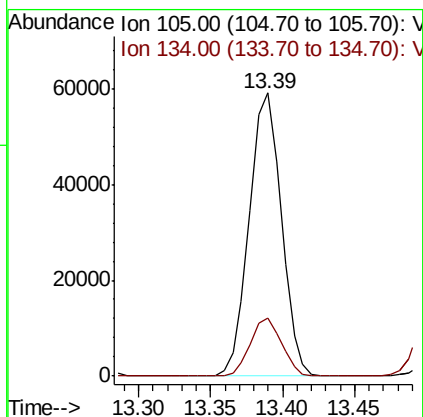
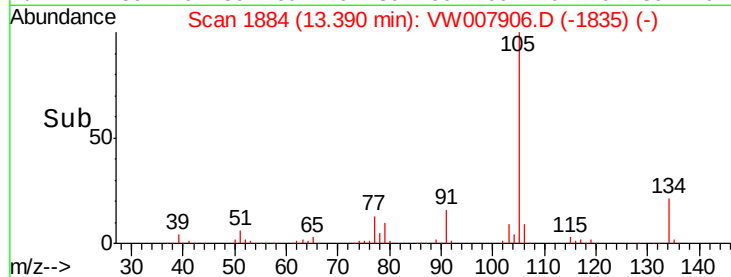
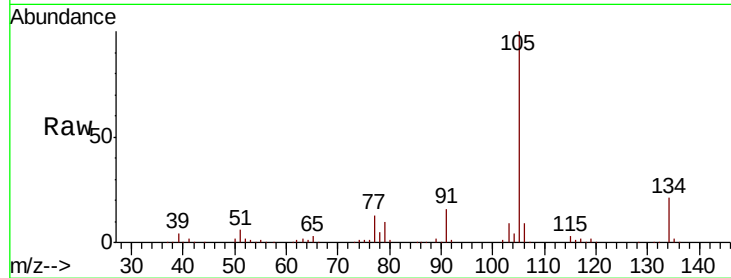
134 20.0 10.0 29.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.280 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

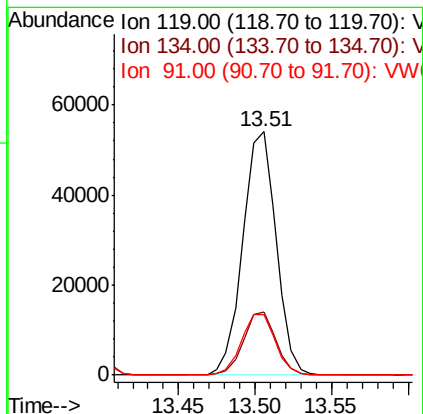
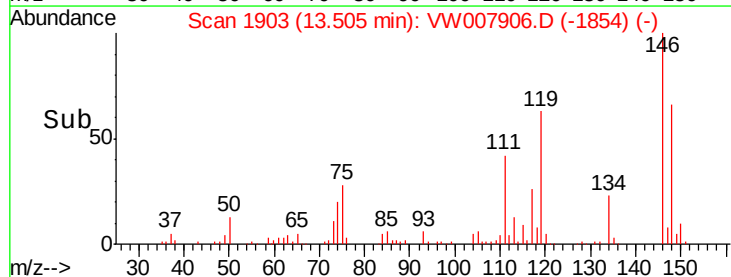
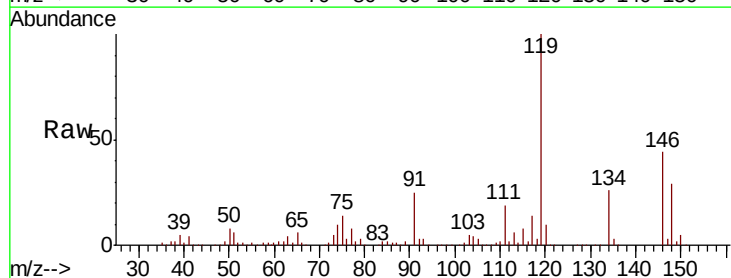
Tgt Ion:119 Resp: 81981

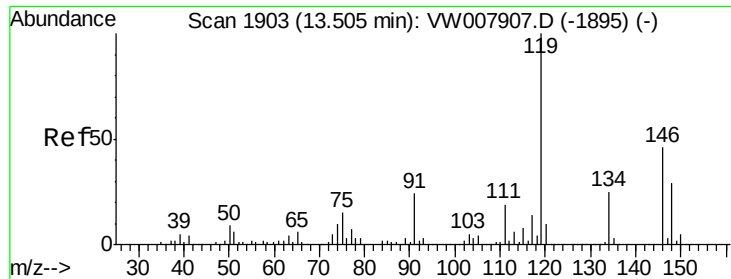
Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

91 25.4 12.7 38.1





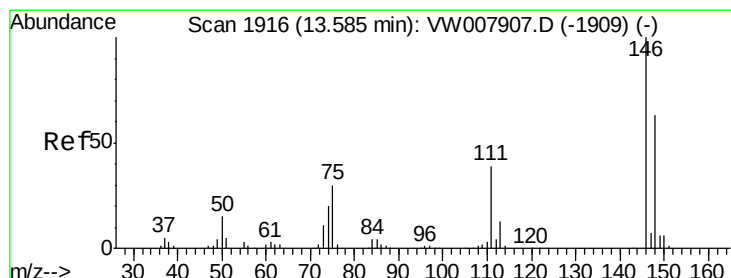
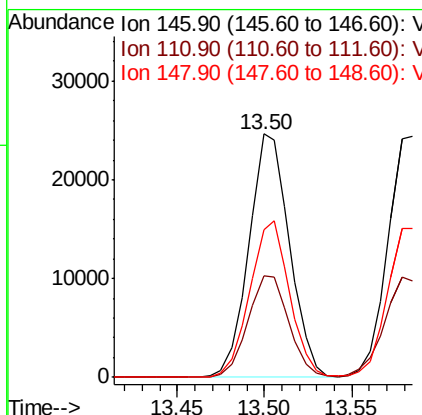
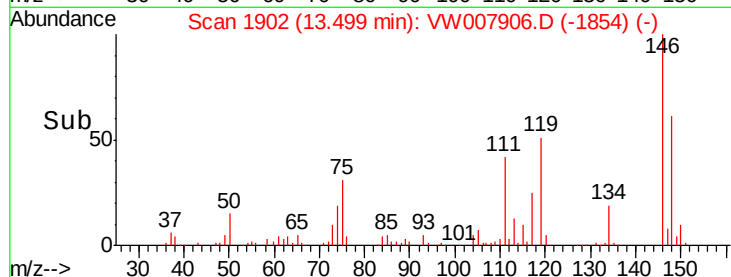
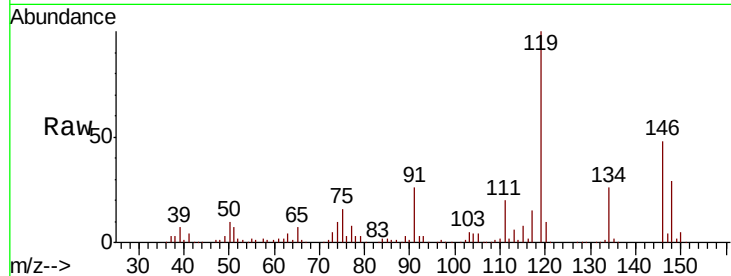
#87
 1,3-Dichlorobenzene
 Concen: 18.538 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.4	64.2
148	63.1	31.6	94.8

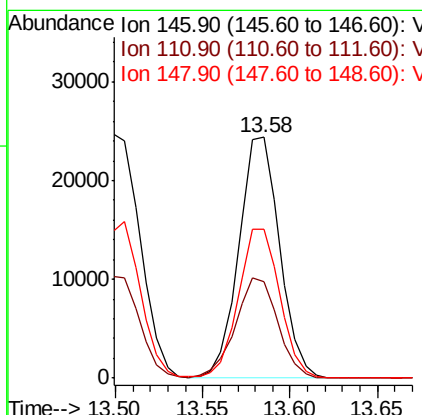
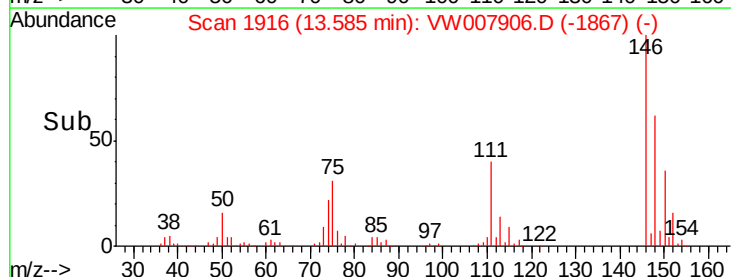
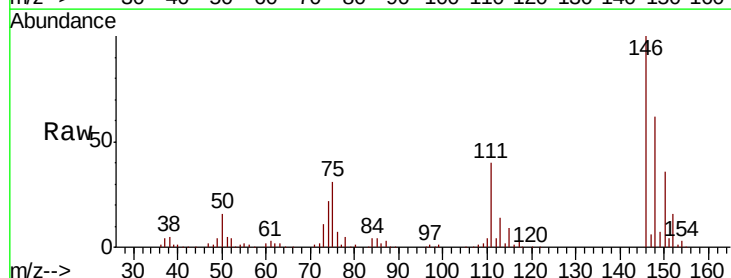
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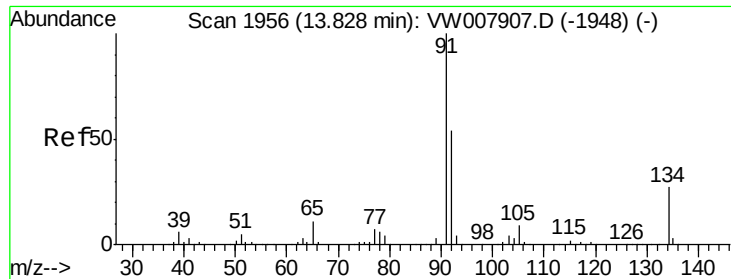
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#88
 1,4-Dichlorobenzene
 Concen: 18.454 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.8	62.5
148	63.3	31.9	95.5





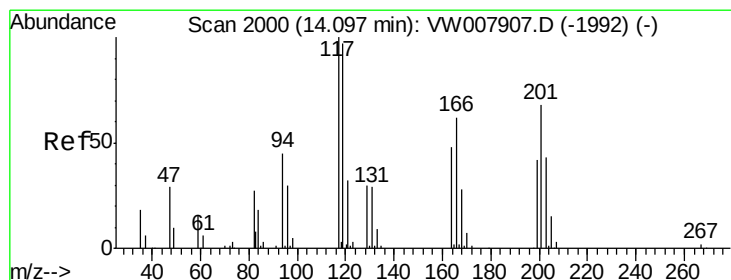
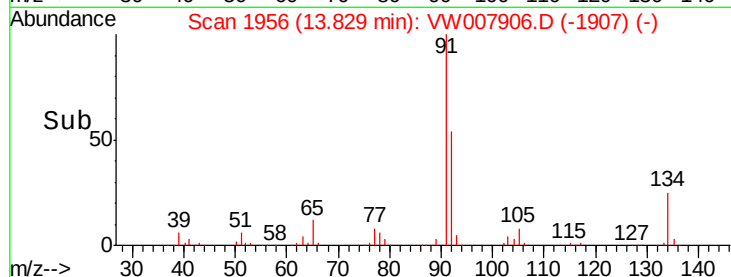
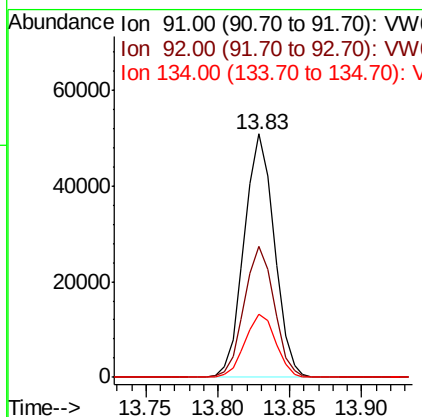
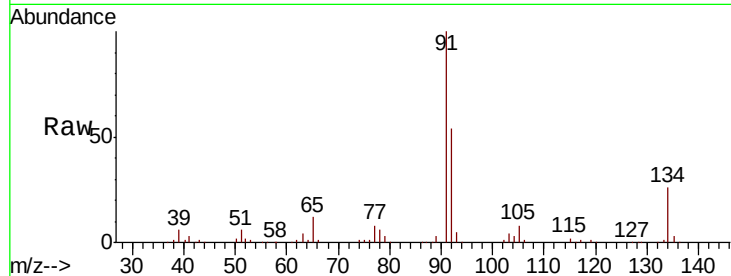
#89
n-Butylbenzene
Concen: 17.957 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.4
134	26.7	13.2	39.5

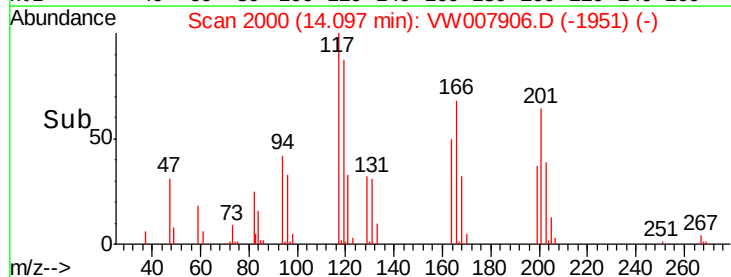
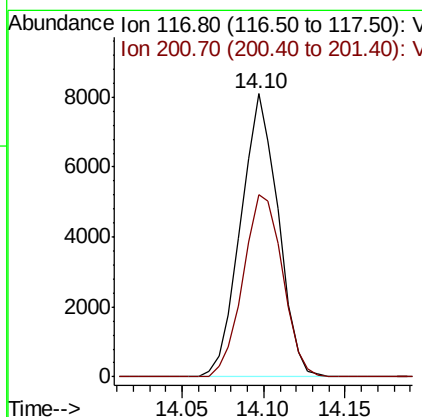
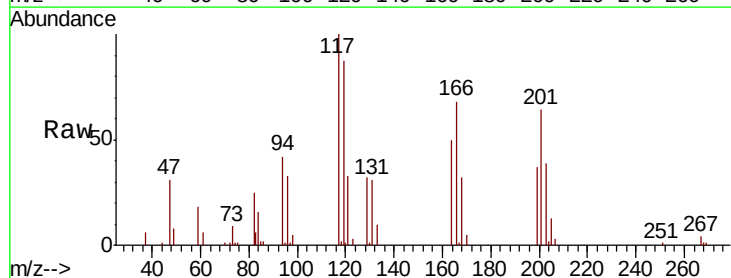
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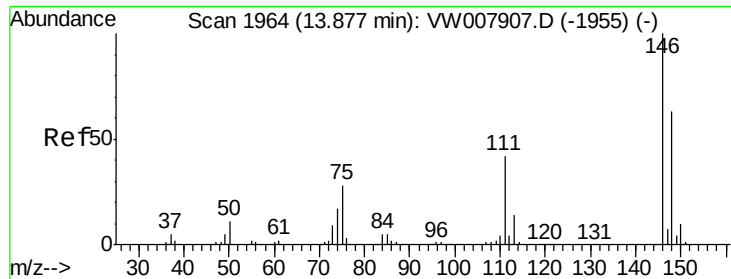
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#90
Hexachloroethane
Concen: 16.680 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	35.0	105.0





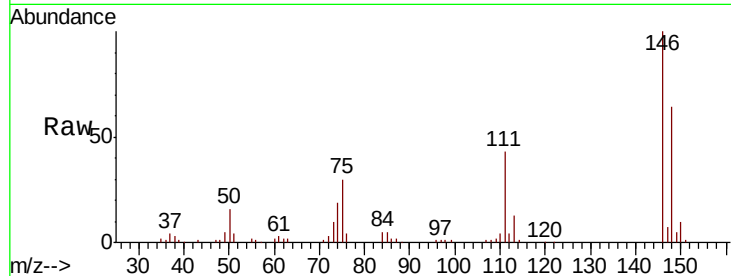
#91
 1,2-Dichlorobenzene
 Concen: 18.594 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	64.0	31.6	95.0

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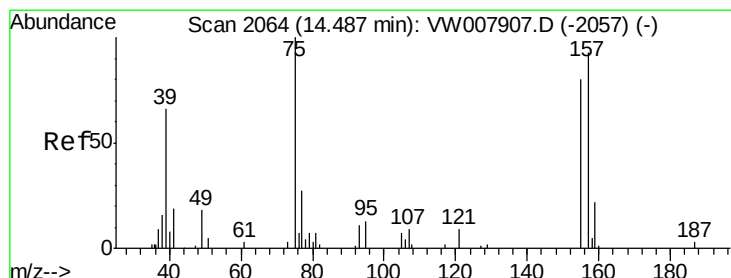
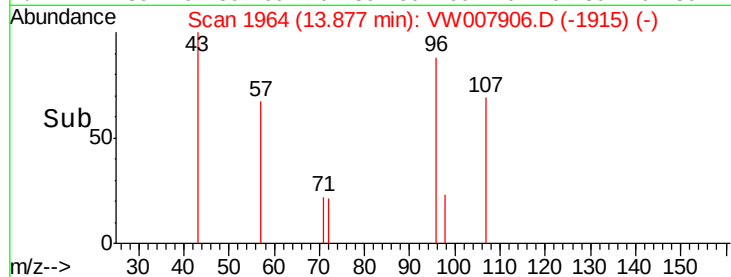
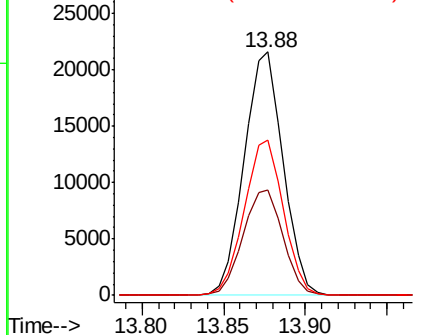


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.494 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

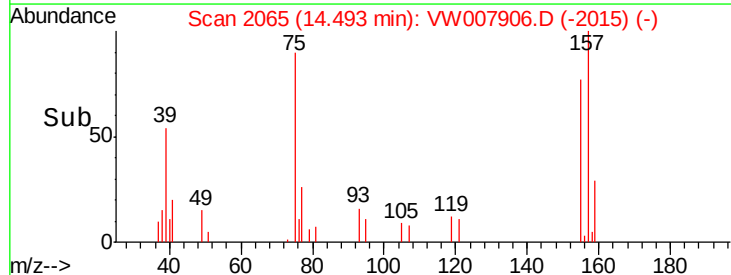
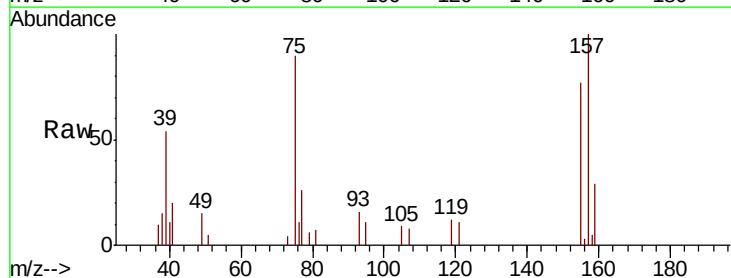
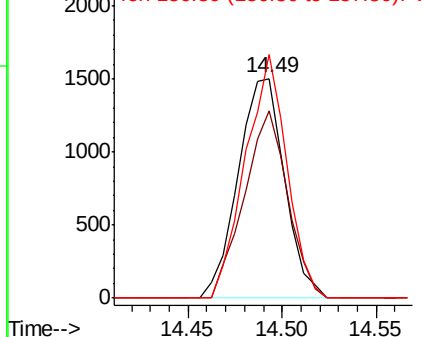
Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	38.8	116.3
157	98.8	48.1	144.3

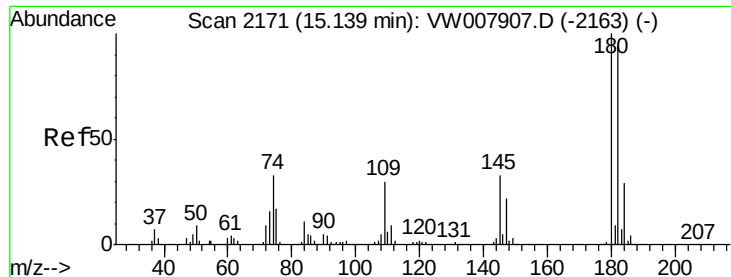
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





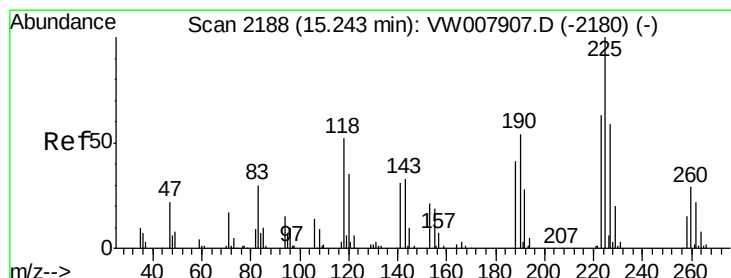
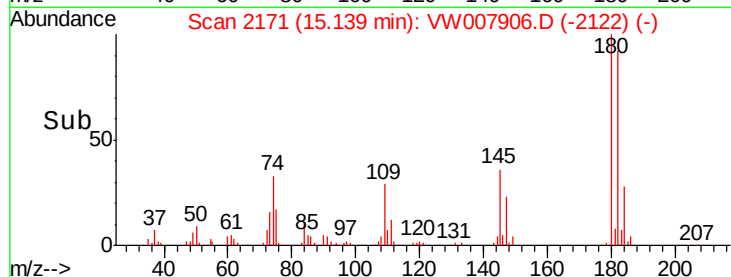
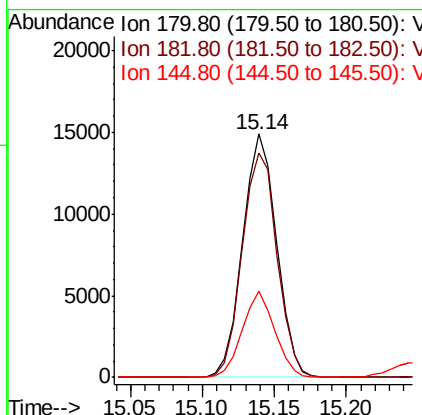
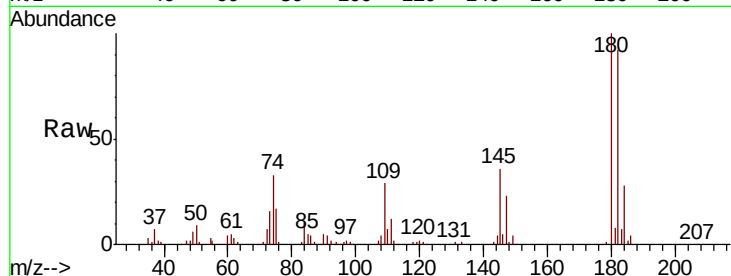
#93
 1,2,4-Trichlorobenzene
 Concen: 18.225 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.9
145	33.7	17.2	51.6

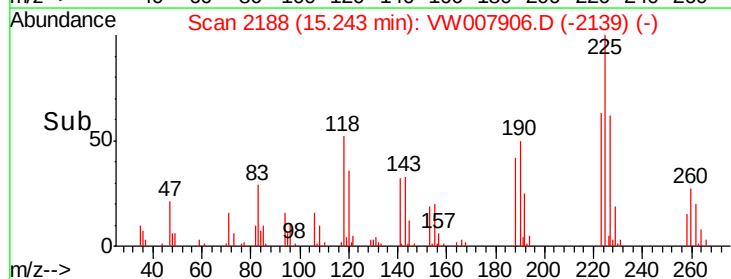
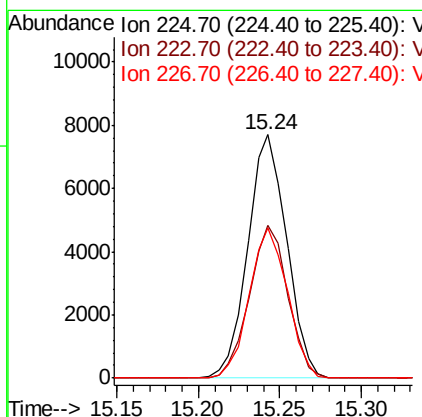
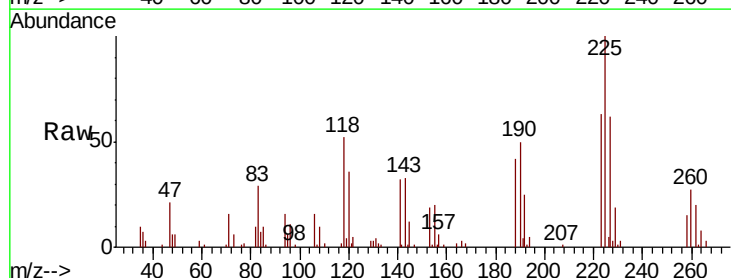
Manual Integrations
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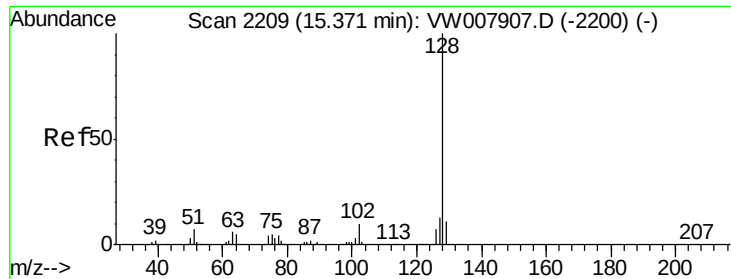
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#94
 Hexachlorobutadiene
 Concen: 17.927 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.4	94.0
227	60.4	30.6	91.6





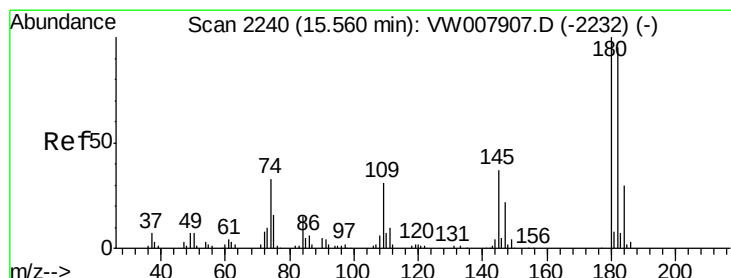
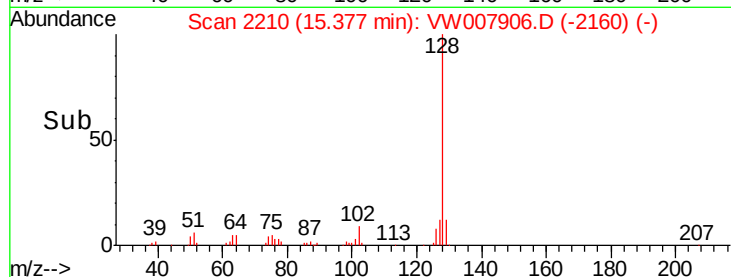
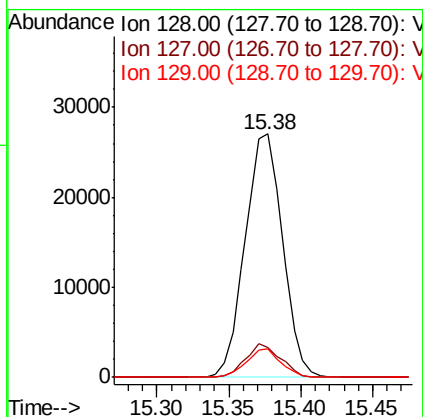
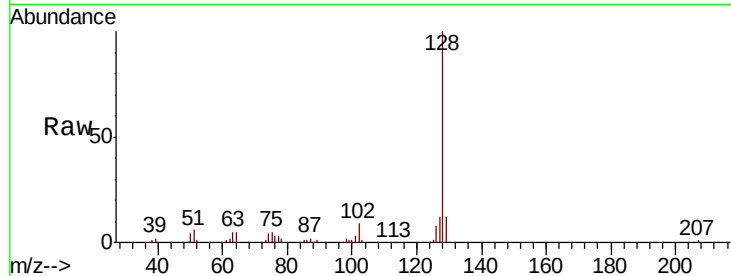
#95
Naphthalene
Concen: 19.463 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.8	8.4	12.6

Manual Integrations
APPROVED

apatel
12/27/2018 11:17:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.326 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.6	139.8
145	37.0	18.1	54.1

