

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062318\
 Data File : VW003468.D
 Acq On : 23 Jun 2018 18:37
 Operator : SY/AP
 Sample : J3664-11
 Misc : 6.75G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB476-33-35-180619

Quant Time: Jun 25 02:38:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	165479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	263204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	239360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	114863	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	72299	40.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.68%	
35) Dibromofluoromethane	7.88	113	60485	36.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.96%	
50) Toluene-d8	10.33	98	196784	30.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	60.68%	
62) 4-Bromofluorobenzene	12.63	95	66208	28.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	57.70%	

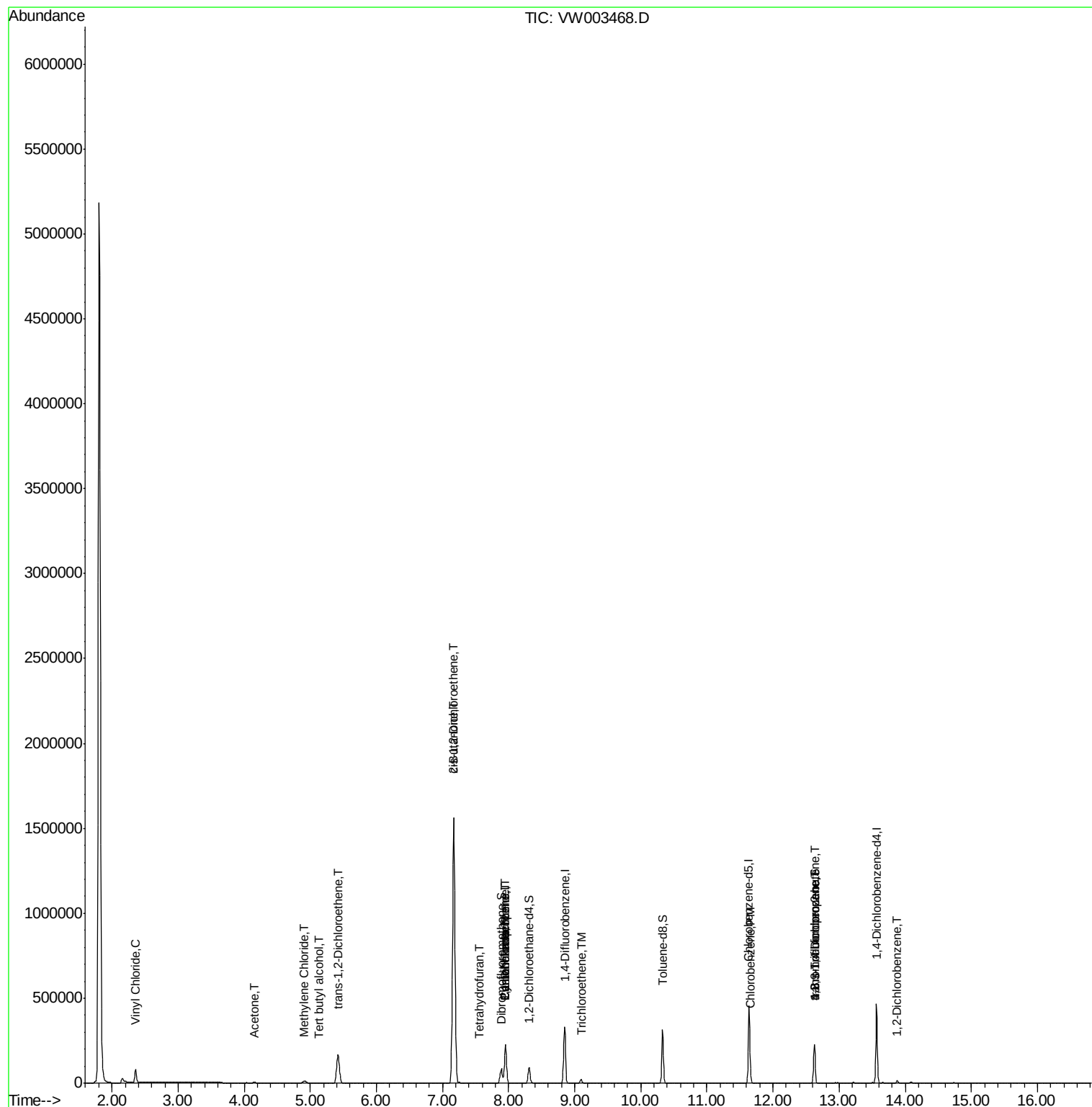
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	82294	44.660	ug/l	98
11) Tert butyl alcohol	5.12	59	189	1.966	ug/l #	84
16) Acetone	4.15	43	8213	21.848	ug/l	97
20) Methylene Chloride	4.92	84	8514	1.793	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	102448	62.840	ug/l	98
25) 2-Butanone	7.18	43	1032	2.208	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	888695	496.219	ug/l	92
29) Tetrahydrofuran	7.56	42	652	2.282	ug/l #	39
31) Cyclohexane	7.95	56	4695	1.621	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	13629	5.362	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17248	6.918	ug/l #	17
44) Trichloroethene	9.09	130	6739	3.630	ug/l	93
65) Chlorobenzene	11.66	112	13237	2.656	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	36166	36.831	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	36166	84.750	ug/l #	9
91) 1,2-Dichlorobenzene	13.88	146	4180	1.248	ug/l	96

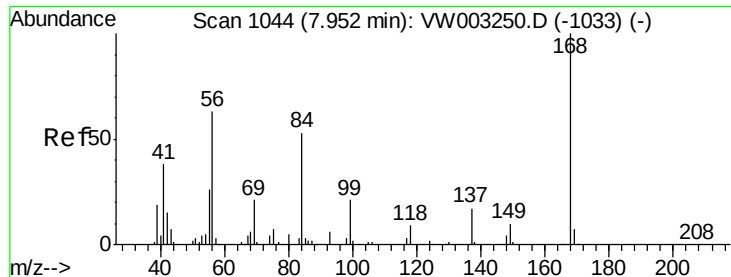
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003468.D

Acq: 23 Jun 2018 18:37

Instrument :

MSVOA_W

ClientSampleId :

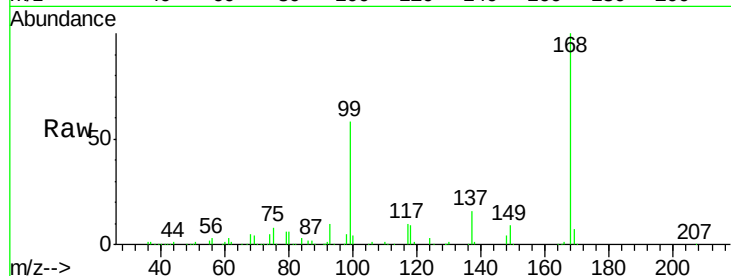
WP021SB476-33-35-180619

Tgt Ion:168 Resp: 165479

Ion Ratio Lower Upper

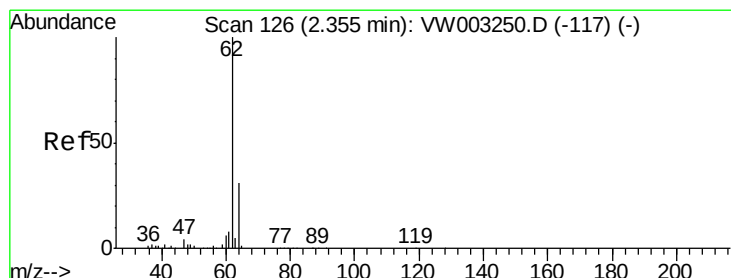
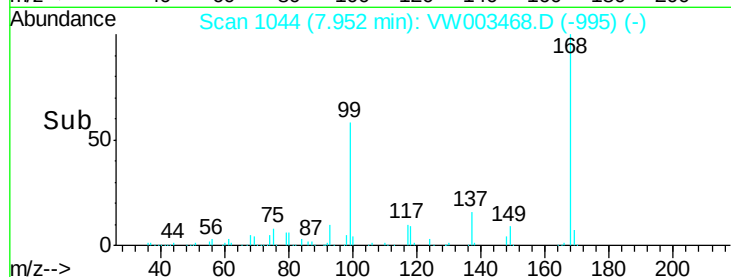
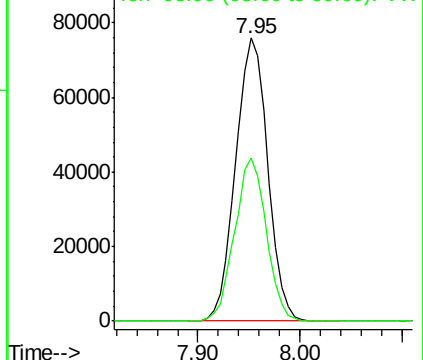
168 100

99 57.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 44.660 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003468.D

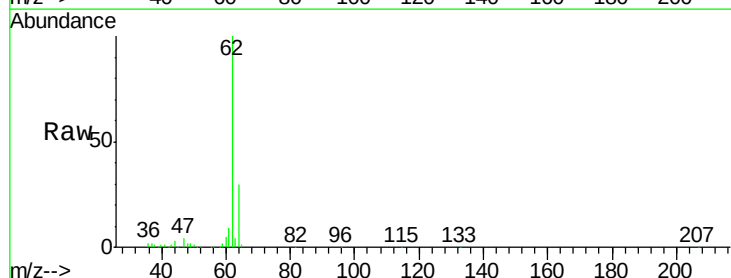
Acq: 23 Jun 2018 18:37

Tgt Ion: 62 Resp: 82294

Ion Ratio Lower Upper

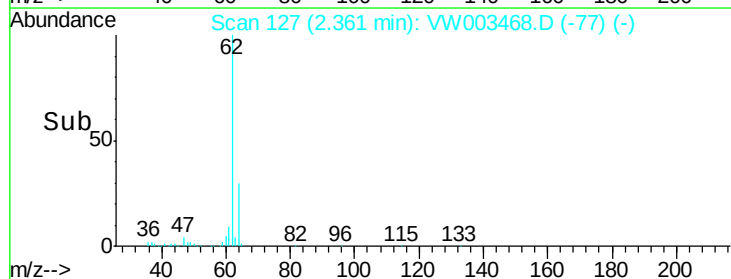
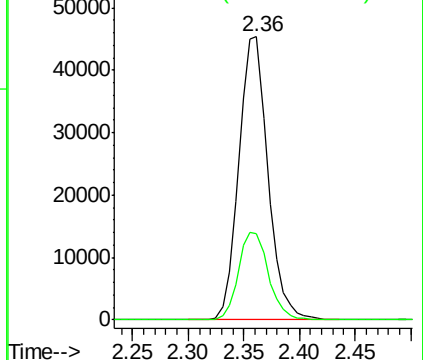
62 100

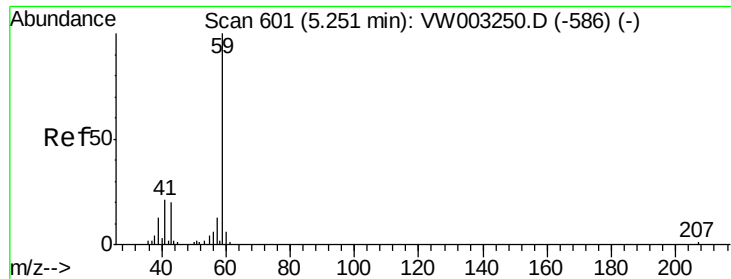
64 30.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

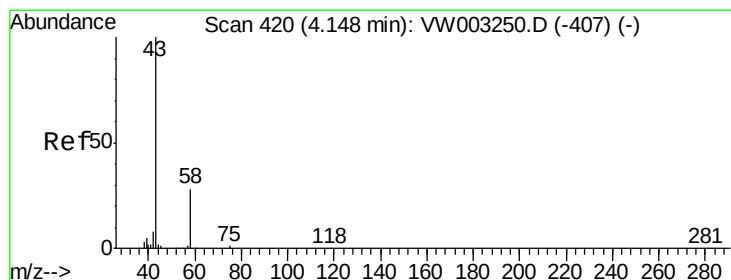
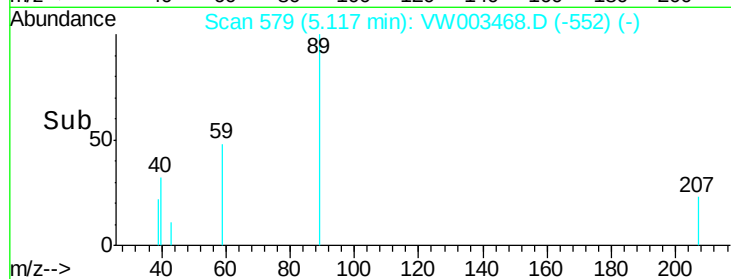
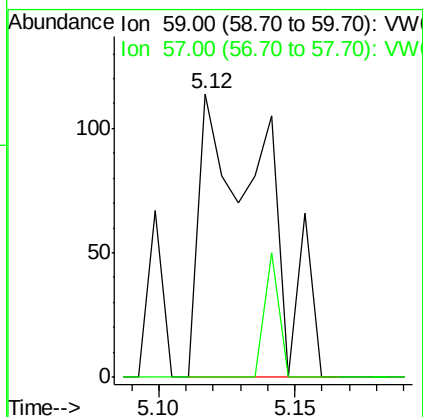
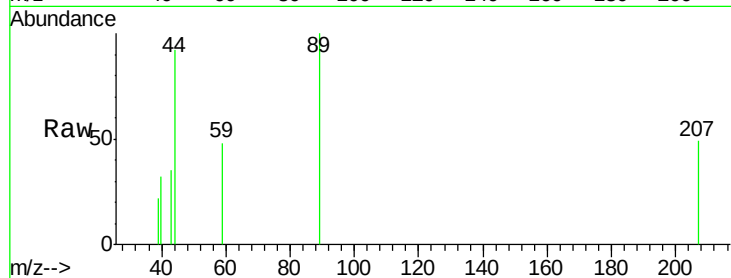




#11
Tert butyl alcohol
Concen: 1.966 ug/l
RT: 5.12 min Scan# 579
Delta R.T. -0.13 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

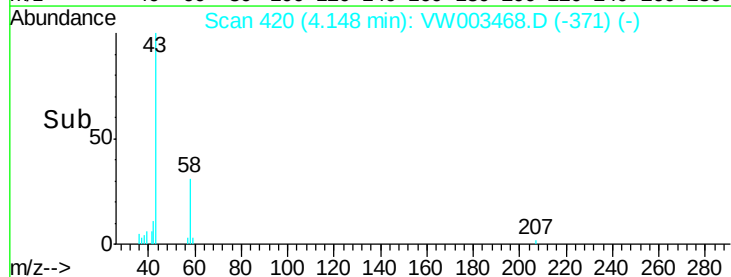
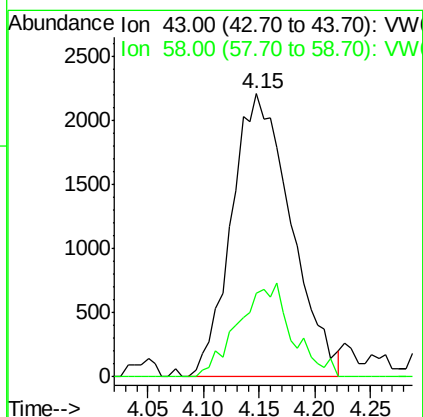
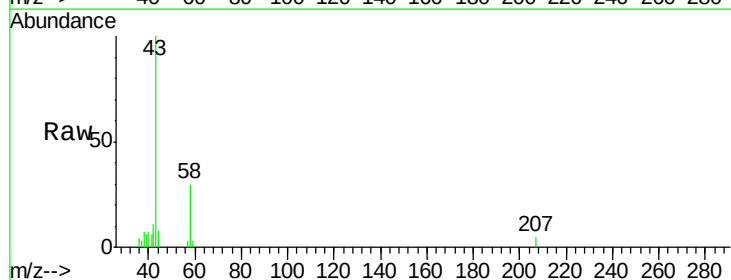
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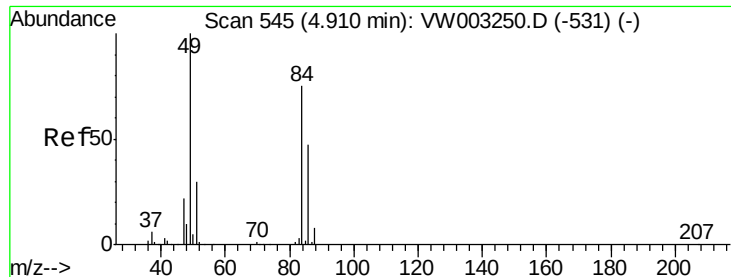
Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#



#16
Acetone
Concen: 21.848 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.00 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

Tgt Ion: 43 Resp: 8213
Ion Ratio Lower Upper
43 100
58 29.6 22.6 34.0

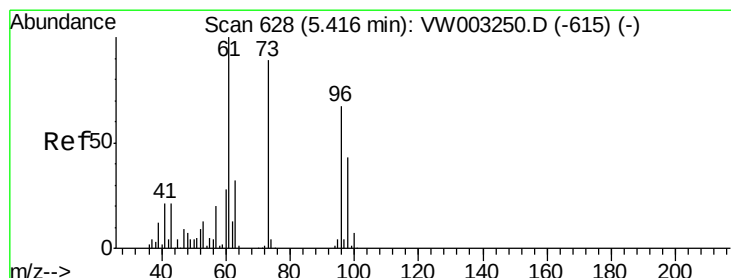
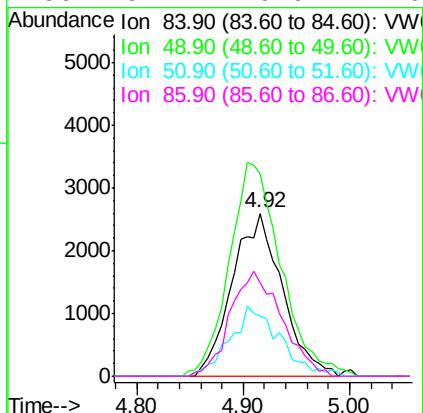
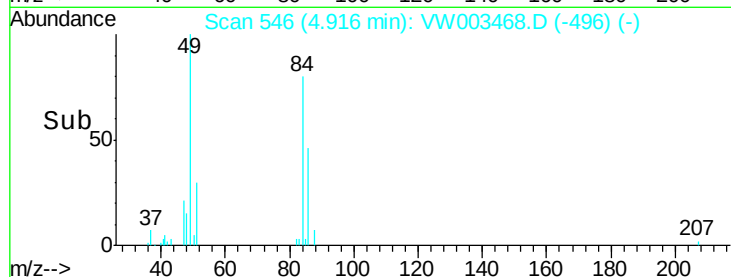
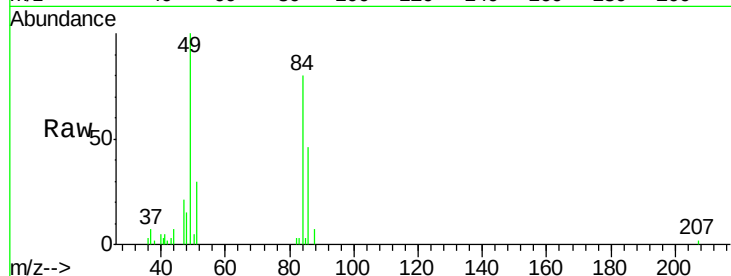




#20
Methylene Chloride
Concen: 1.793 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

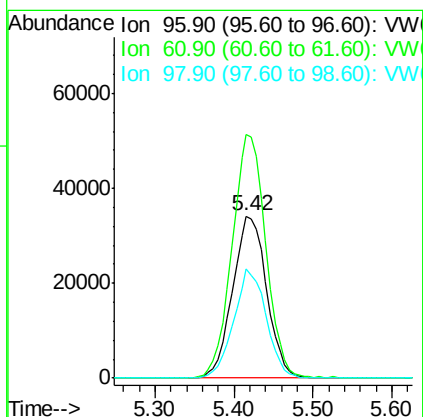
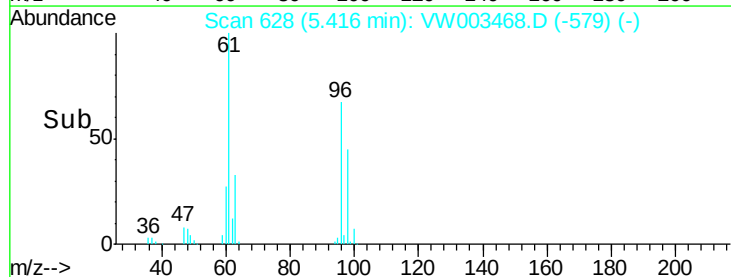
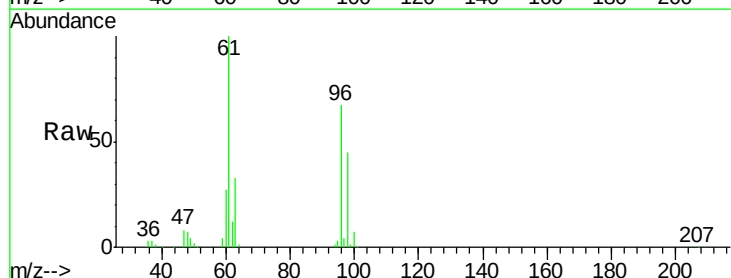
Instrument :
MSVOA_W
ClientSampleId :
WP021SB476-33-35-180619

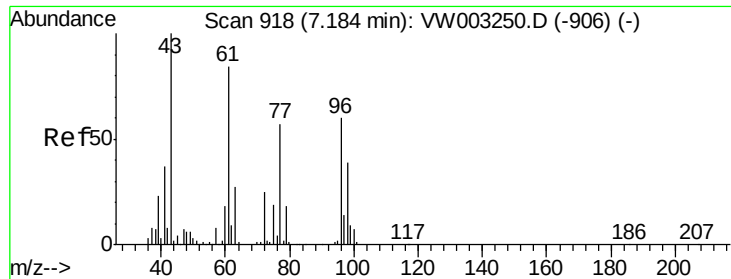
Tgt Ion: 84 Resp: 8514
Ion Ratio Lower Upper
84 100
49 120.9 106.3 159.5
51 37.0 32.0 48.0
86 57.1 49.9 74.9



#21
trans-1,2-Dichloroethene
Concen: 62.840 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

Tgt Ion: 96 Resp: 102448
Ion Ratio Lower Upper
96 100
61 150.0 118.7 178.1
98 67.0 51.0 76.6

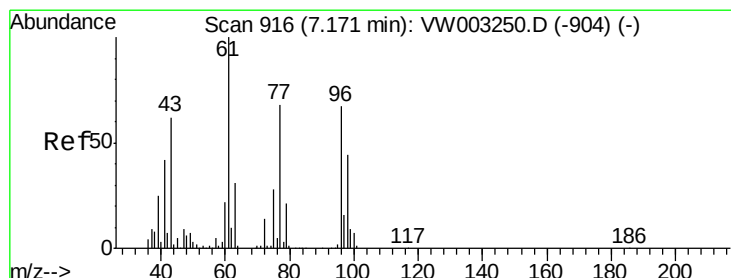
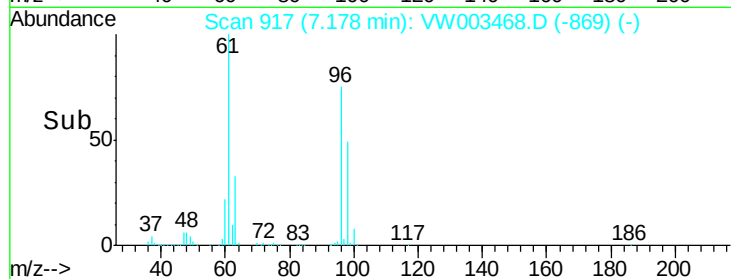
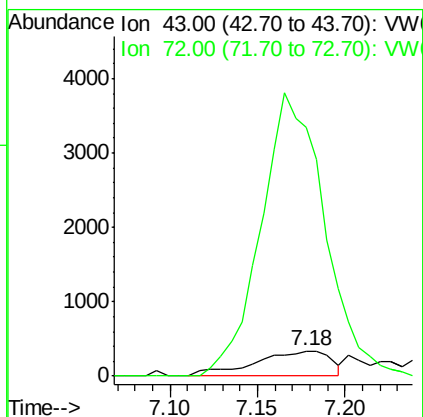
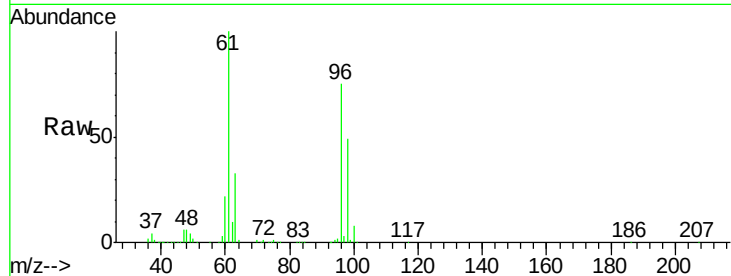




#25
 2-Butanone
 Concen: 2.208 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VW003468.D
 Acq: 23 Jun 2018 18:37

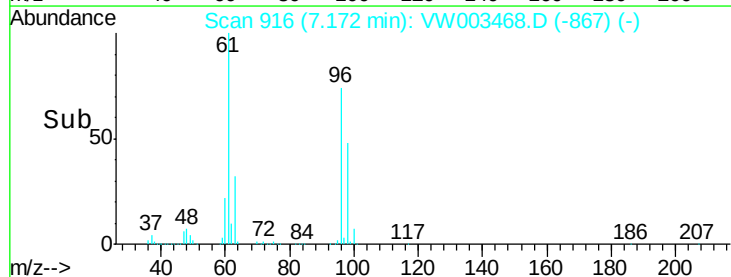
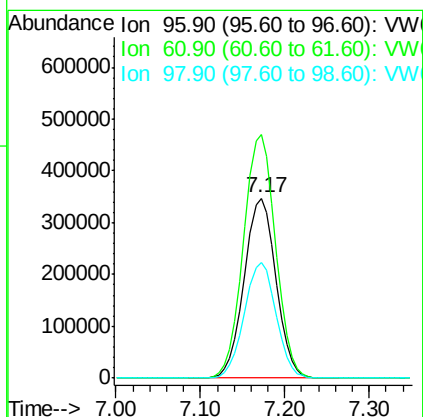
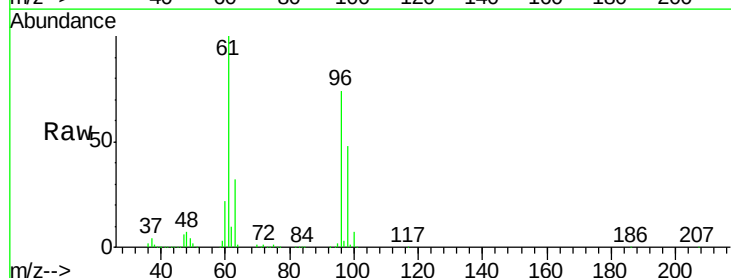
Instrument :
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 ClientSampleId :
 WP021SB476-33-35-180619

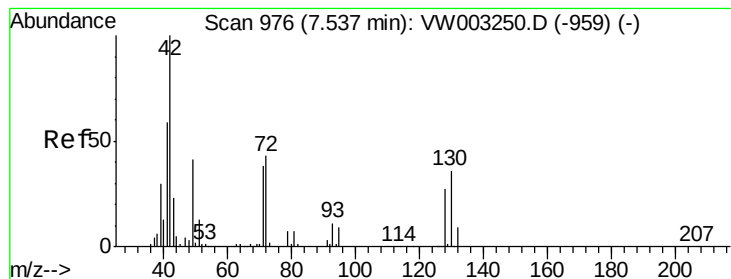
Tgt Ion: 43 Resp: 1032
 Ion Ratio Lower Upper
 43 100
 72 978.1 20.3 30.5#



#27
 cis-1,2-Dichloroethene
 Concen: 496.219 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003468.D
 Acq: 23 Jun 2018 18:37

Tgt Ion: 96 Resp: 888695
 Ion Ratio Lower Upper
 96 100
 61 136.3 0.0 298.8
 98 64.4 0.0 130.4





#29

Tetrahydrofuran

Concen: 2.282 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW003468.D

Acq: 23 Jun 2018 18:37

Instrument :

MSVOA_W

ClientSampleId :

WP021SB476-33-35-180619

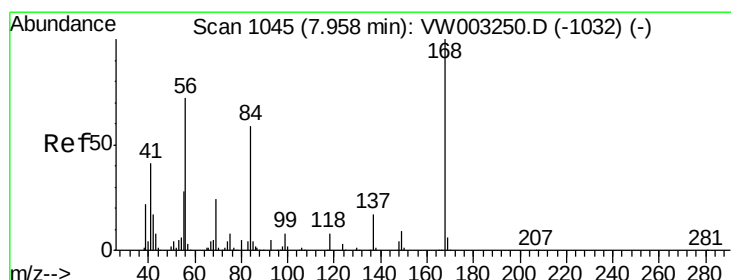
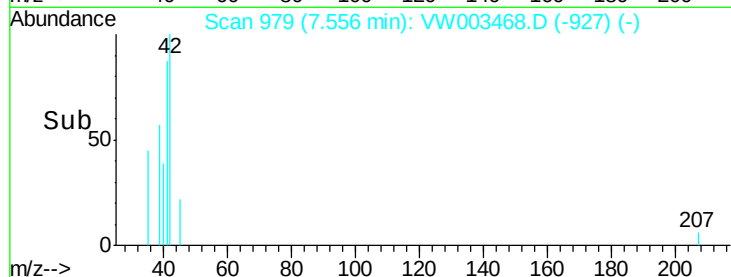
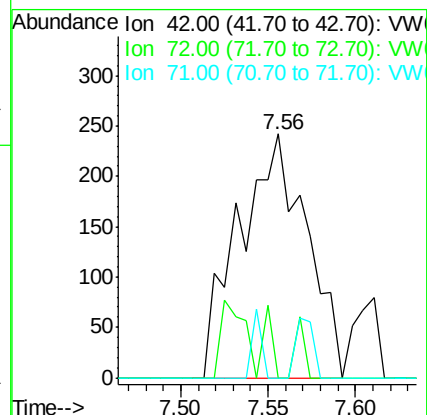
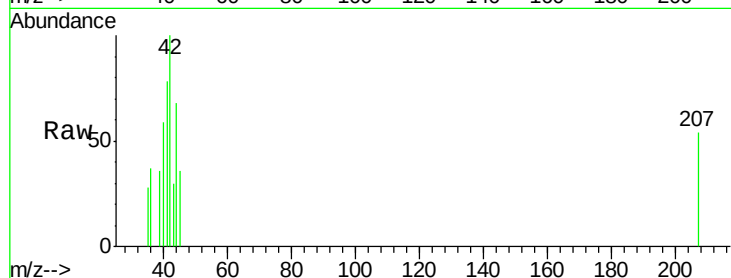
Tgt Ion: 42 Resp: 652

Ion Ratio Lower Upper

42 100

72 0.0 32.4 48.6#

71 3.8 31.2 46.8#



#31

Cyclohexane

Concen: 1.621 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003468.D

Acq: 23 Jun 2018 18:37

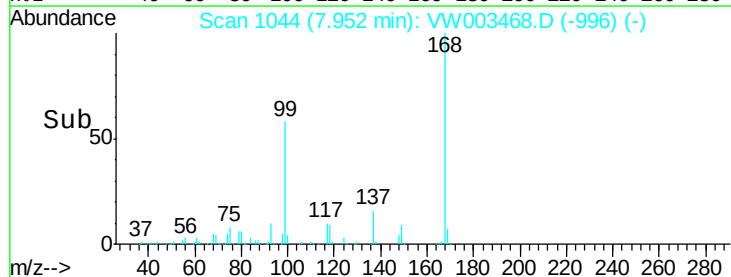
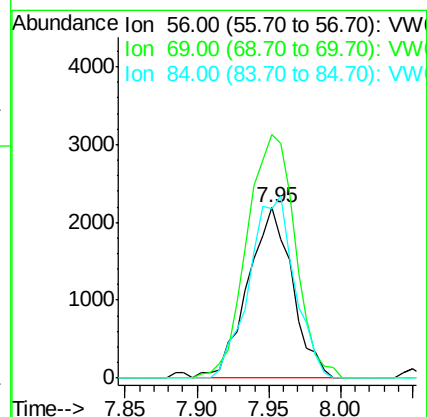
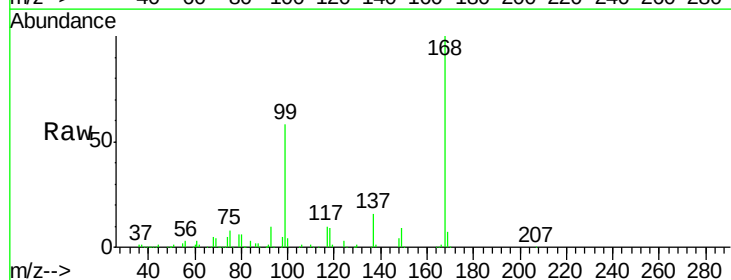
Tgt Ion: 56 Resp: 4695

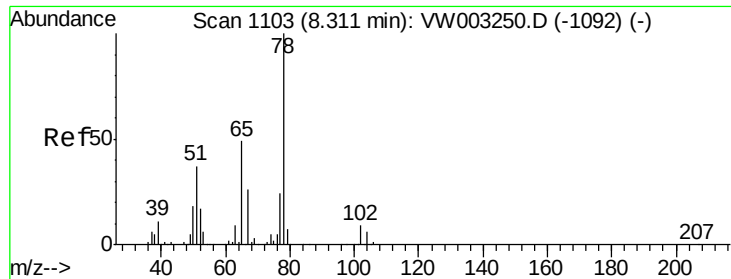
Ion Ratio Lower Upper

56 100

69 142.9 26.3 39.5#

84 99.7 65.7 98.5#

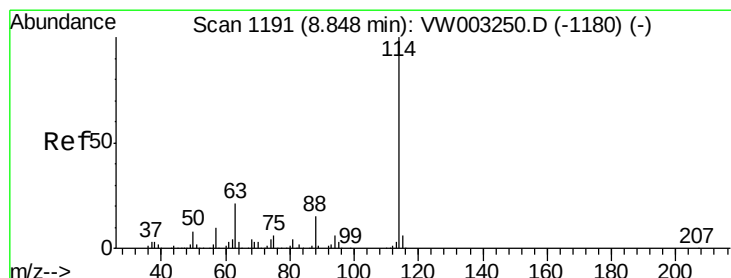
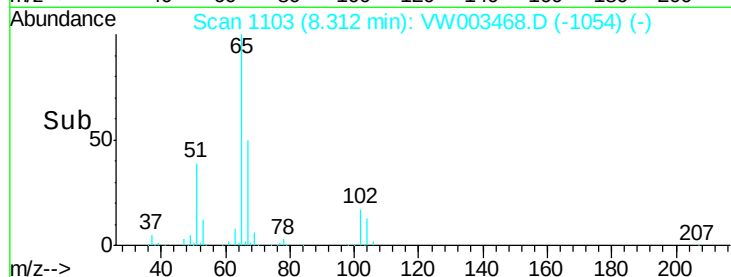
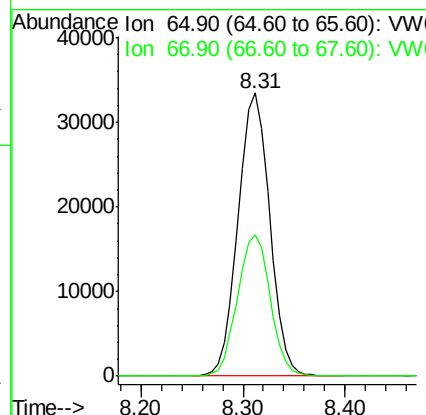
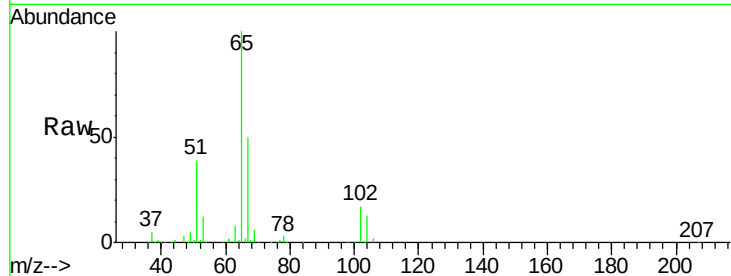




#33
 1,2-Dichloroethane-d4
 Concen: 40.337 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003468.D
 Acq: 23 Jun 2018 18:37

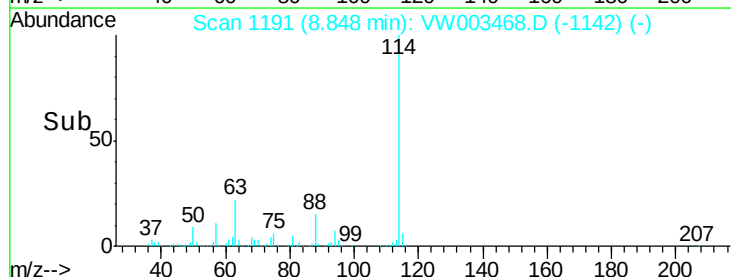
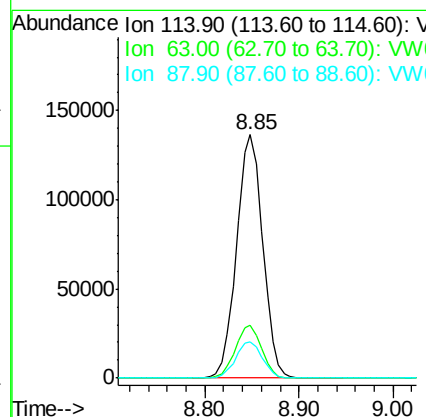
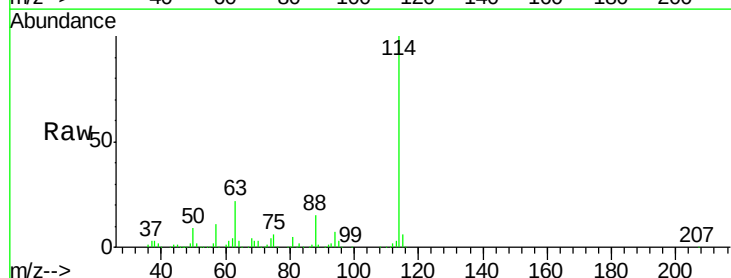
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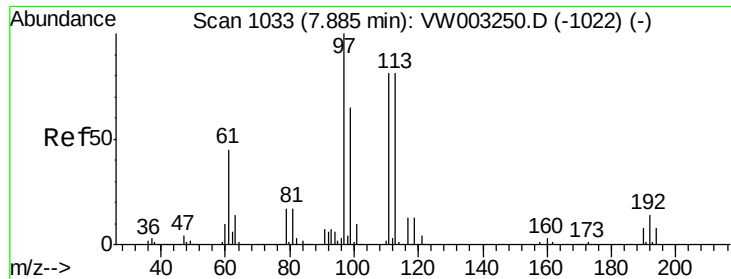
Tgt Ion: 65 Resp: 72299
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003468.D
 Acq: 23 Jun 2018 18:37

Tgt Ion: 114 Resp: 263204
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.0
 88 14.8 0.0 29.6

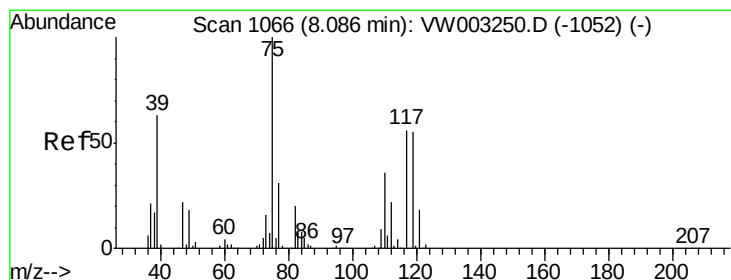
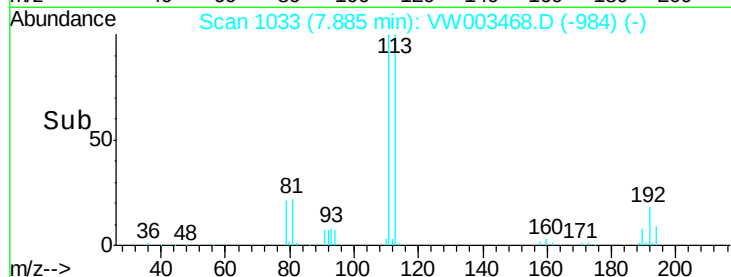
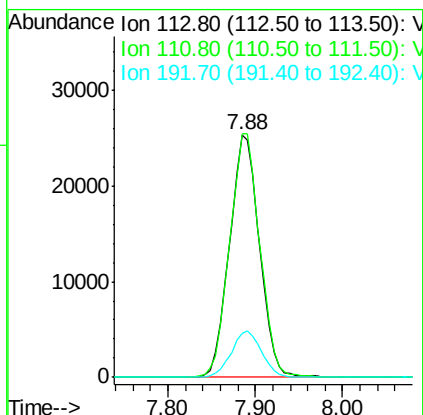
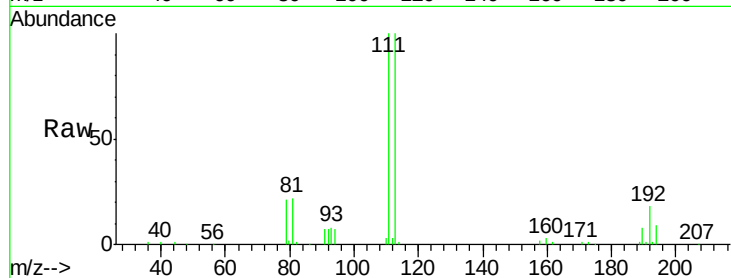




#35
 Dibromofluoromethane
 Concen: 36.983 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003468.D
 Acq: 23 Jun 2018 18:37

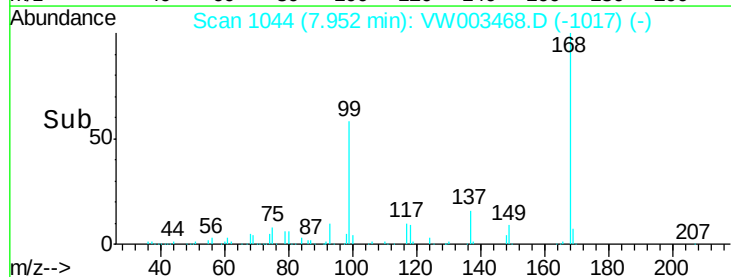
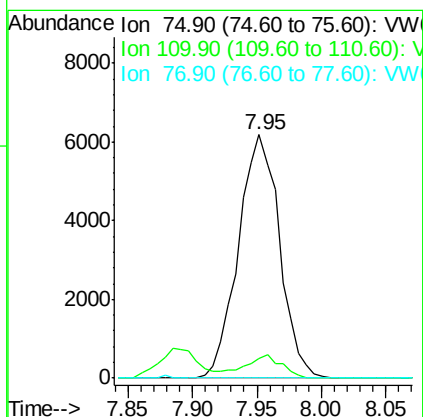
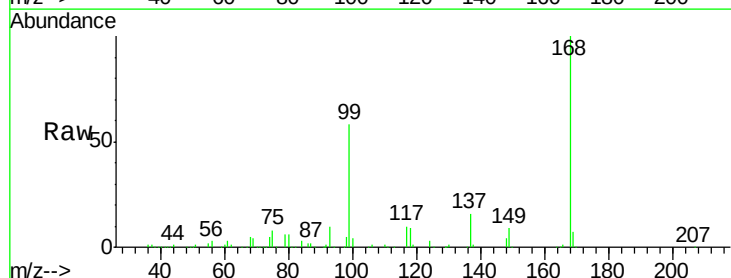
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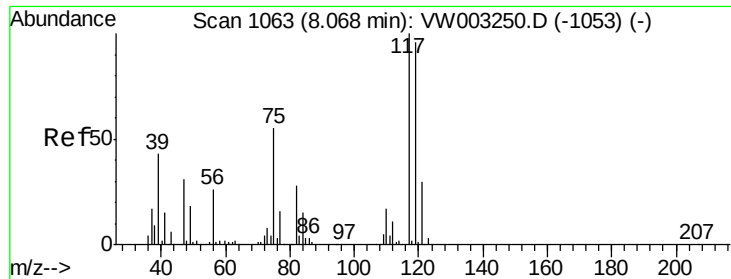
Tgt Ion:113 Resp: 60485
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.2 123.2
 192 19.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.362 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003468.D
 Acq: 23 Jun 2018 18:37

Tgt Ion: 75 Resp: 13629
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.1 51.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.918 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003468.D

Acq: 23 Jun 2018 18:37

Instrument :

MSVOA_W

ClientSampleId :

WP021SB476-33-35-180619

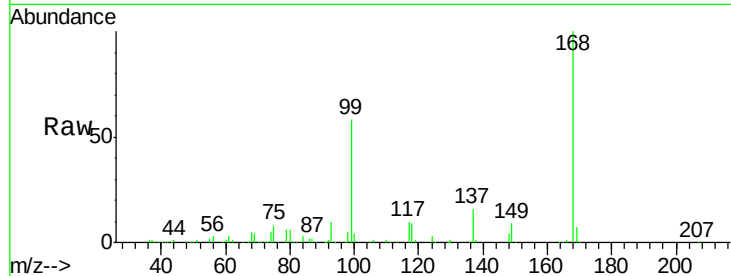
Tgt Ion:117 Resp: 17248

Ion Ratio Lower Upper

117 100

119 6.4 76.6 115.0#

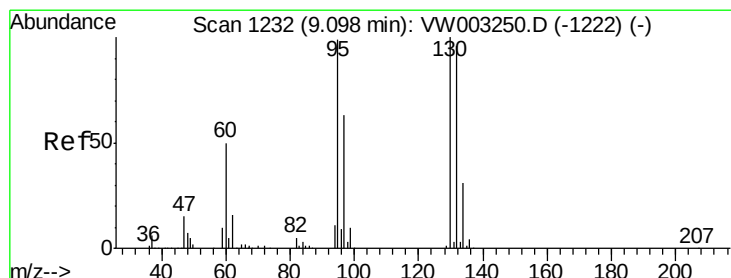
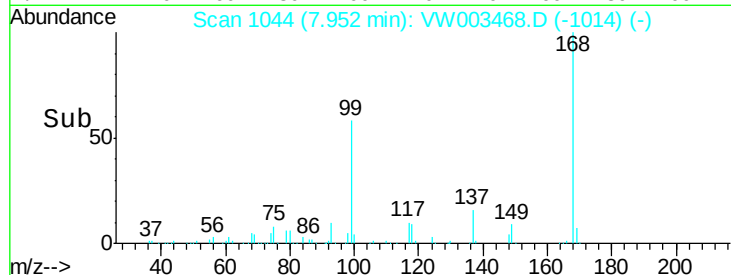
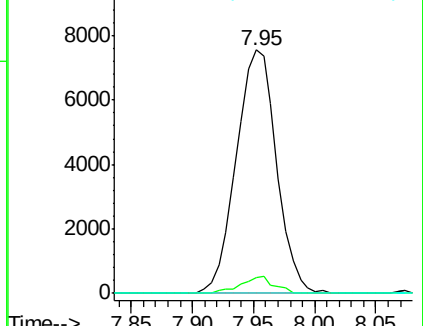
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 3.630 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003468.D

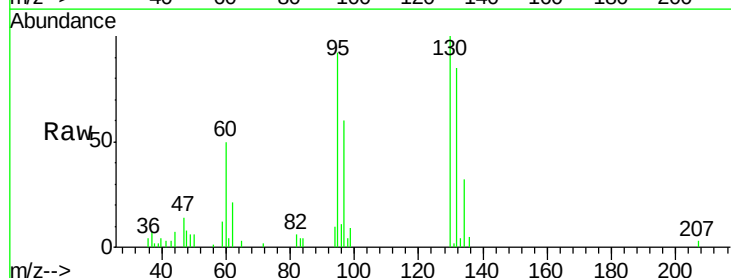
Acq: 23 Jun 2018 18:37

Tgt Ion:130 Resp: 6739

Ion Ratio Lower Upper

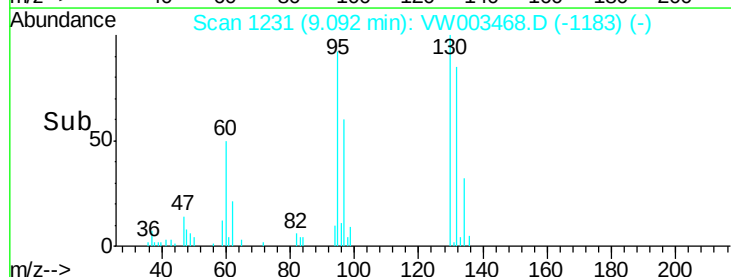
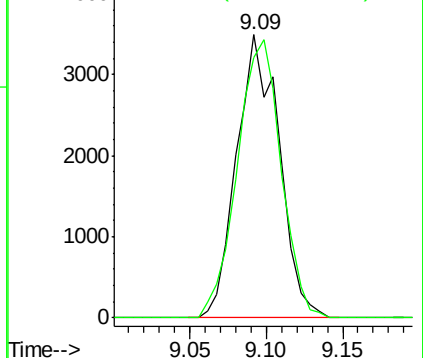
130 100

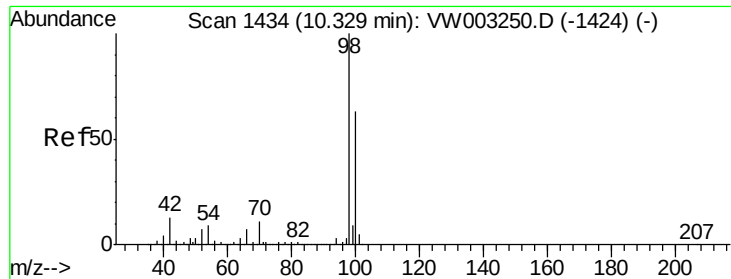
95 92.0 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV

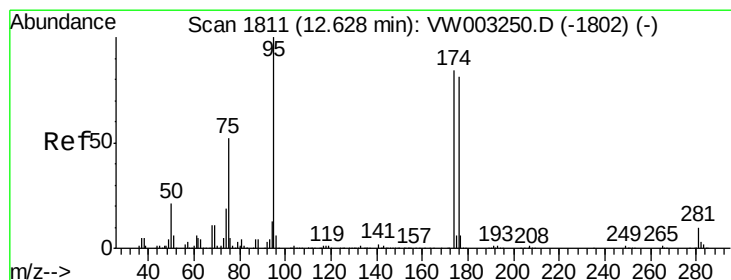
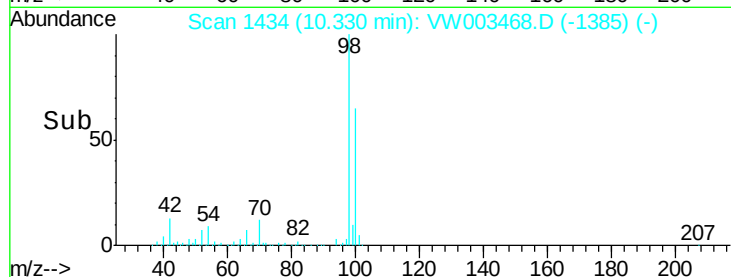
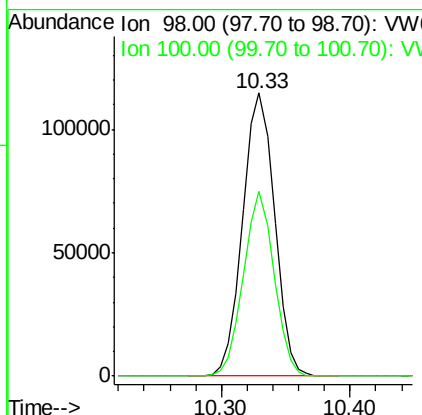
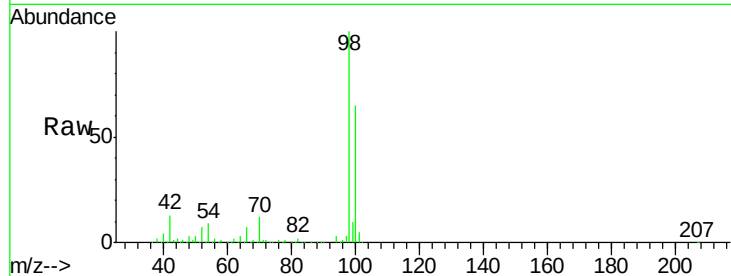




#50
Toluene-d8
Concen: 30.344 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

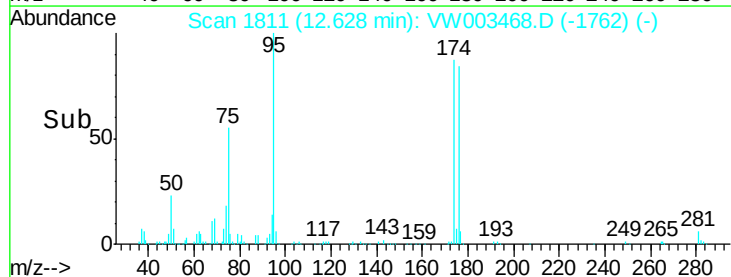
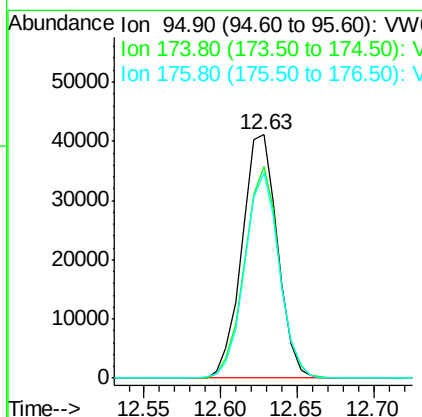
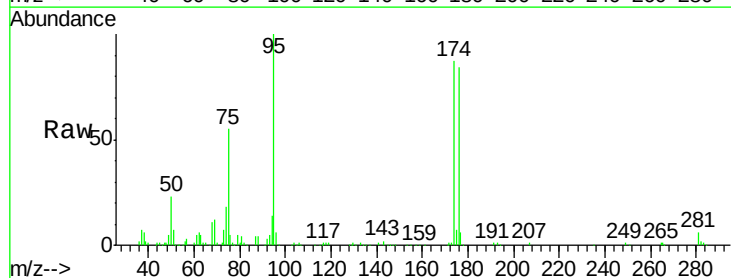
Instrument :
MSVOA_W
ClientSampleId :
WP021SB476-33-35-180619

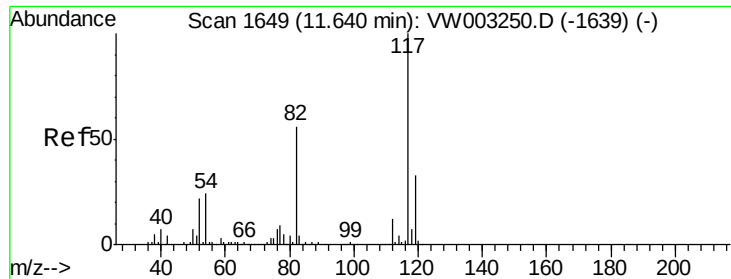
Tgt Ion: 98 Resp: 196784
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 28.849 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

Tgt Ion: 95 Resp: 66208
Ion Ratio Lower Upper
95 100
174 84.6 0.0 166.4
176 82.1 0.0 162.0

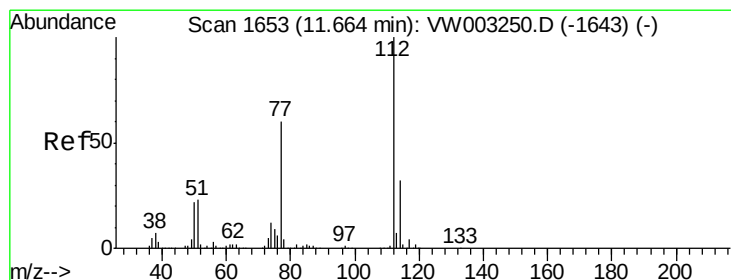
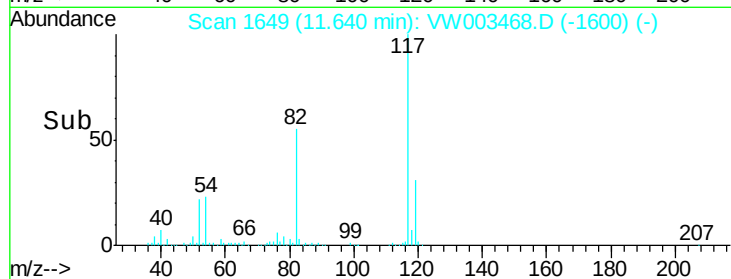
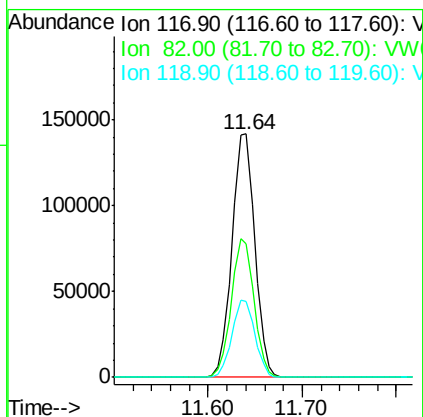
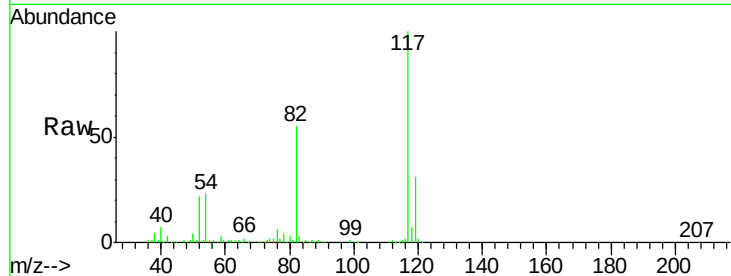




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

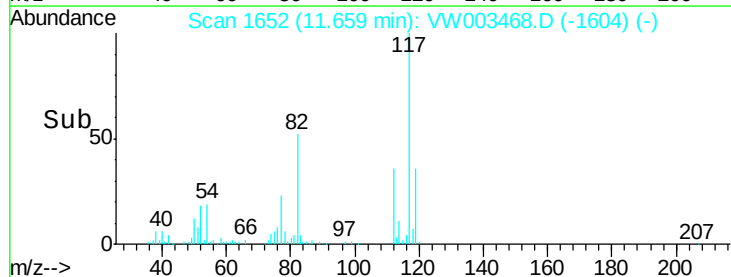
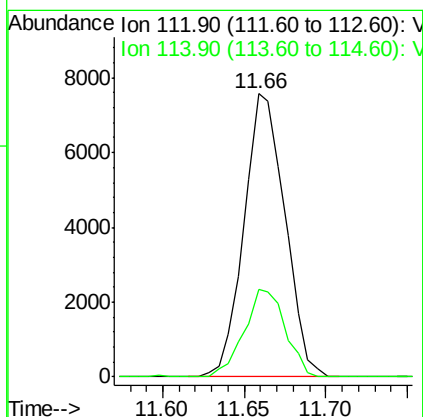
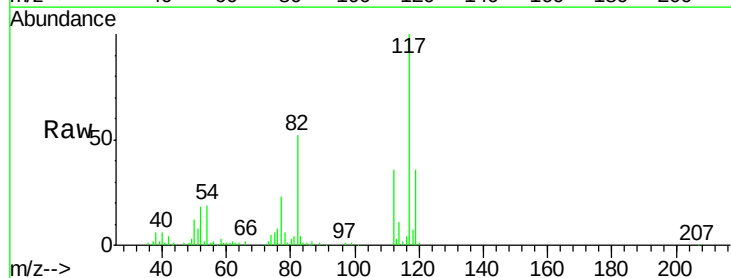
Instrument :
MSVOA_W
ClientSampleId :
WP021SB476-33-35-180619

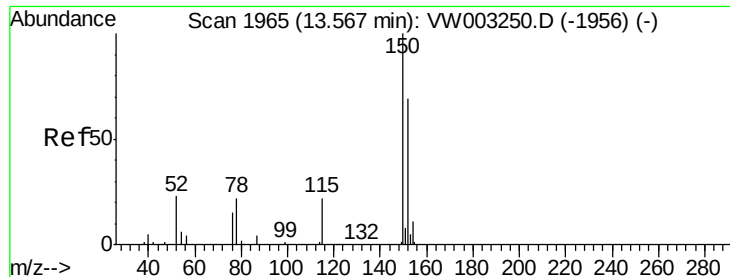
Tgt Ion:117 Resp: 239360
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.3 26.7 40.1



#65
Chlorobenzene
Concen: 2.656 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

Tgt Ion:112 Resp: 13237
Ion Ratio Lower Upper
112 100
114 31.0 25.9 38.9

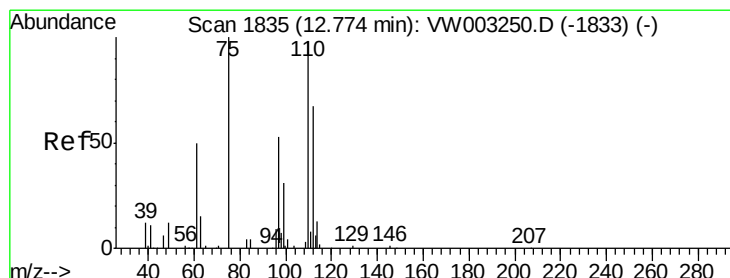
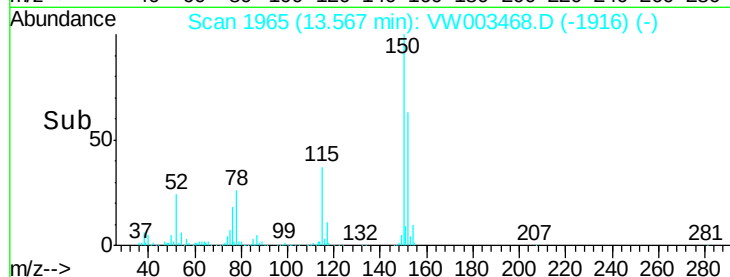
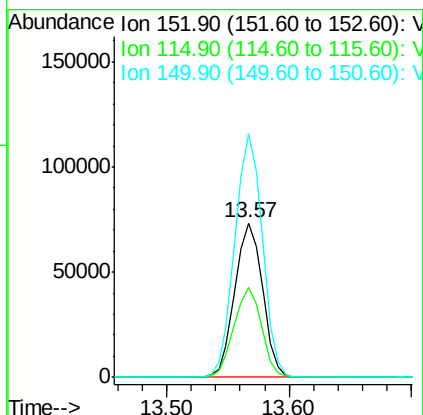
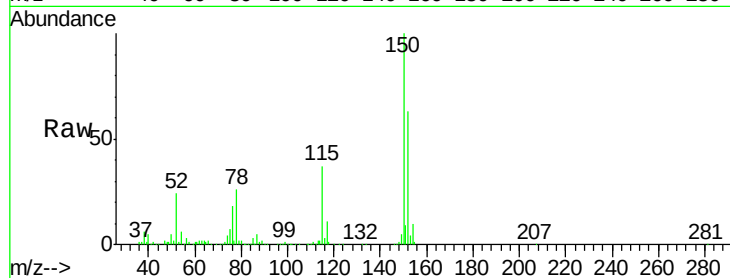




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003468.D
 Acq: 23 Jun 2018 18:37

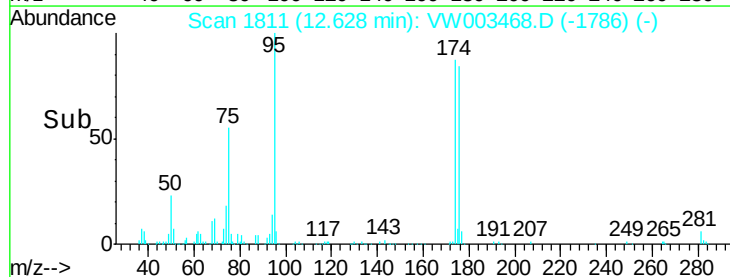
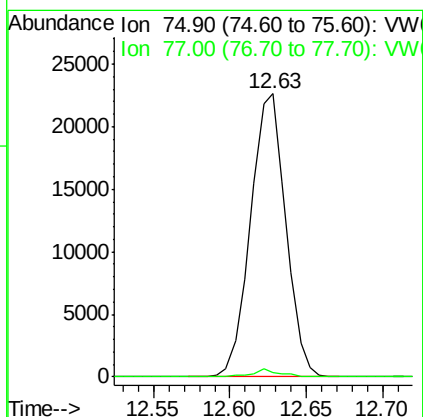
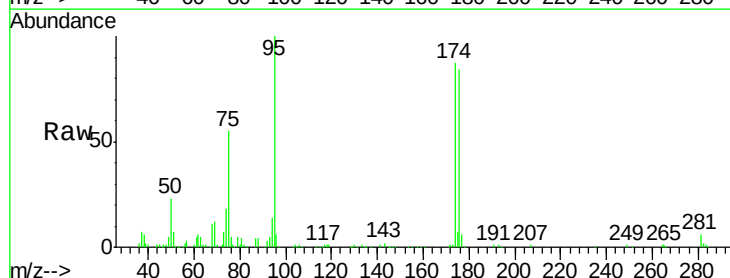
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB476-33-35-180619

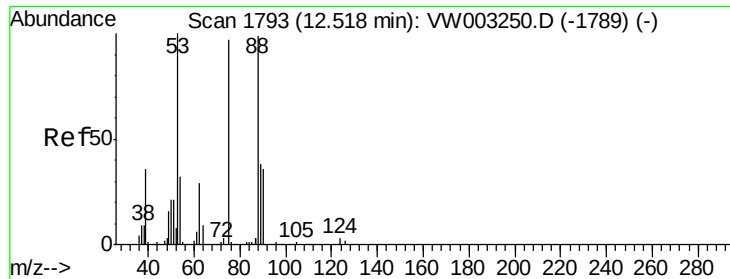
Tgt Ion:152 Resp: 114863
 Ion Ratio Lower Upper
 152 100
 115 57.4 29.3 88.0
 150 156.7 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 36.831 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW003468.D
 Acq: 23 Jun 2018 18:37

Tgt Ion: 75 Resp: 36166
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#

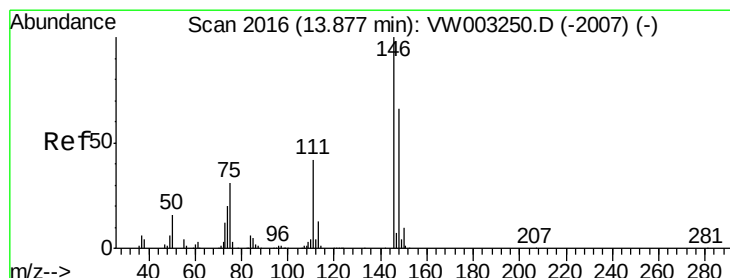
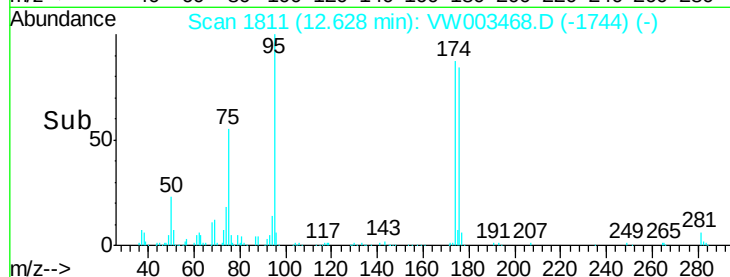
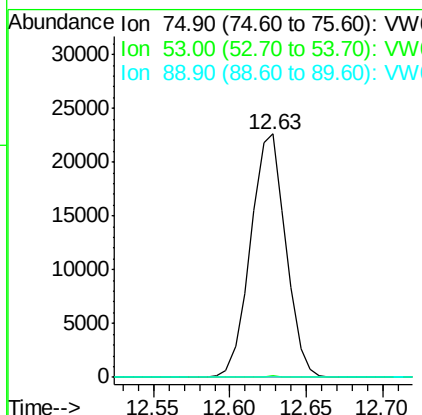
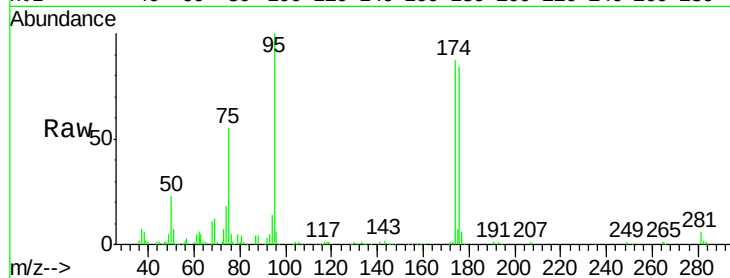




#81
trans-1,4-Dichloro-2-butene
Concen: 84.750 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.11 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

Instrument :
MSVOA_W
ClientSampleId :
WP021SB476-33-35-180619

Tgt Ion: 75 Resp: 36166
Ion Ratio Lower Upper
75 100
53 0.4 82.9 124.3#
89 0.0 36.7 55.1#



#91
1,2-Dichlorobenzene
Concen: 1.248 ug/l
RT: 13.88 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VW003468.D
Acq: 23 Jun 2018 18:37

Tgt Ion: 146 Resp: 4180
Ion Ratio Lower Upper
146 100
111 46.0 20.3 61.0
148 64.3 32.3 96.9

