

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003496.D
 Acq On : 24 Jun 2018 08:22
 Operator : SY/AP
 Sample : J3670-16
 Misc : 6.19G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-29-31-180621

Quant Time: Jun 25 05:24:49 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	173834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	284956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	126206	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	103873	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	
35) Dibromofluoromethane	7.89	113	88945	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.33	98	314523	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
62) 4-Bromofluorobenzene	12.62	95	117881	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

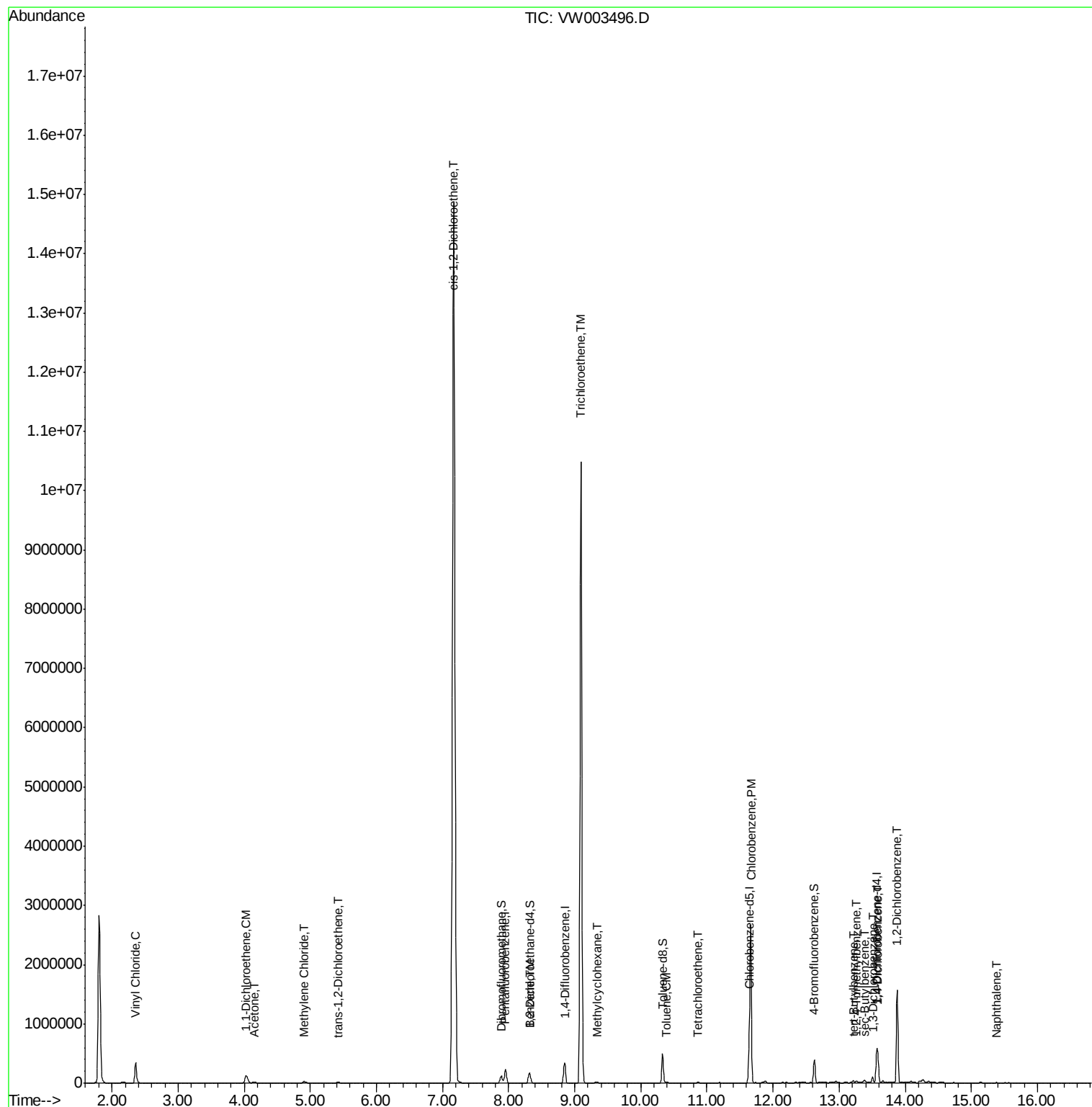
						Qvalue
4) Vinyl Chloride	2.36	62	380656	196.65	ug/l	99
12) 1,1-Dichloroethene	4.03	96	77073	48.98	ug/l	94
16) Acetone	4.15	43	41771	105.78	ug/l	97
20) Methylene Chloride	4.91	84	19964	8.88	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	10973	6.41	ug/l	88
27) cis-1,2-Dichloroethene	7.17	96	865548	4600.70	ug/l	92
39) Methylcyclohexane	9.34	83	6599	2.07	ug/l #	78
40) Benzene	8.32	78	74031	9.76	ug/l	98
44) Trichloroethene	9.10	130	3571995	1777.11	ug/l	99
52) Toluene	10.39	92	8998	1.85	ug/l	98
64) Tetrachloroethene	10.87	164	4630	2.71	ug/l	96
65) Chlorobenzene	11.66	112	1380592	259.15	ug/l	100
83) tert-Butylbenzene	13.21	119	15354	2.45	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	15060	1.99	ug/l	99
85) sec-Butylbenzene	13.39	105	13128	1.41	ug/l #	47
87) 1,3-Dichlorobenzene	13.51	146	40693	9.69	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	157860	37.81	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	606733	164.93	ug/l	99
95) Naphthalene	15.38	128	6724	1.53	ug/l #	93

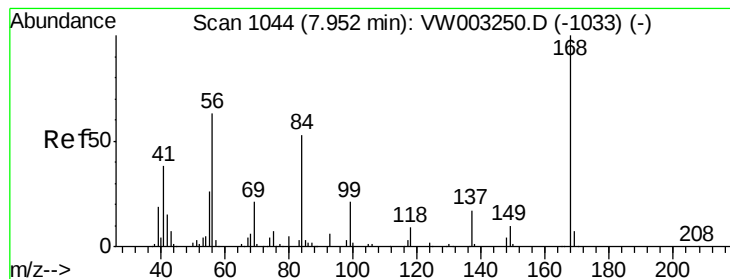
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062318\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

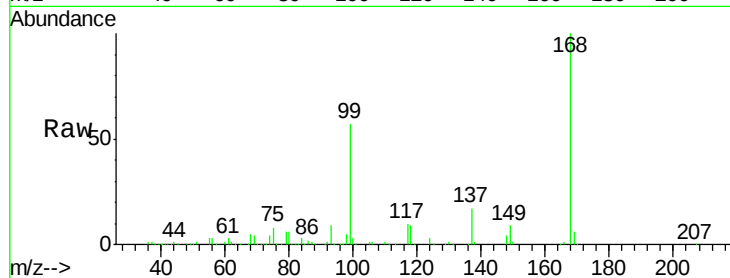
WP021SB477-29-31-180621

Tot Ion:168 Resp: 173834

Ion Ratio Lower Upper

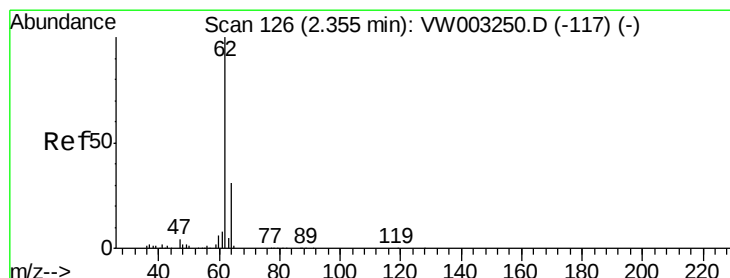
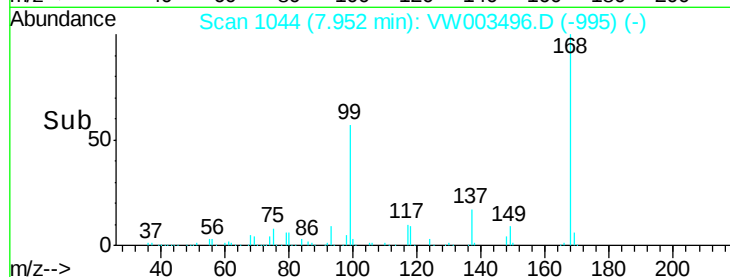
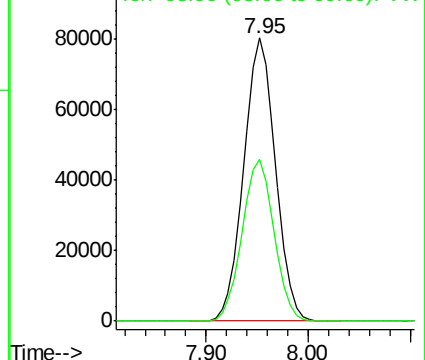
168 100

99 57.3 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: 196.65 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003496.D

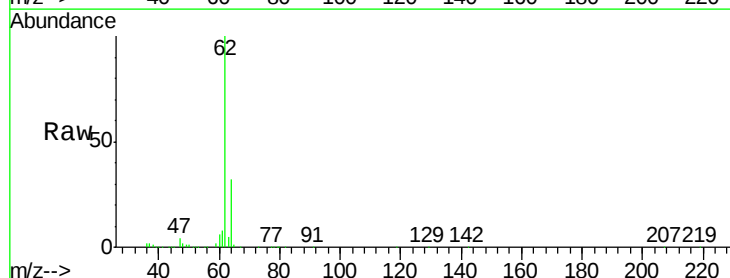
Acq: 24 Jun 2018 08:22

Tgt Ion: 62 Resp: 380656

Ion Ratio Lower Upper

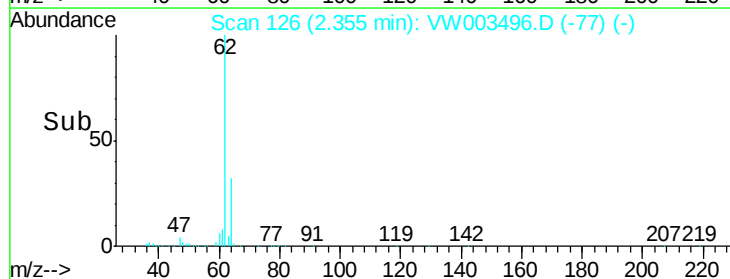
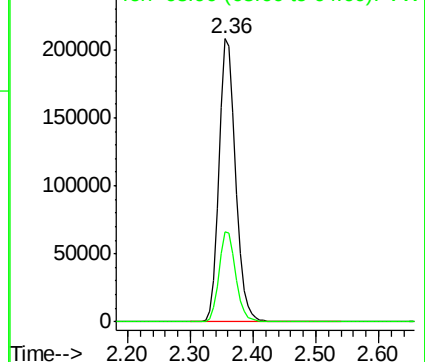
62 100

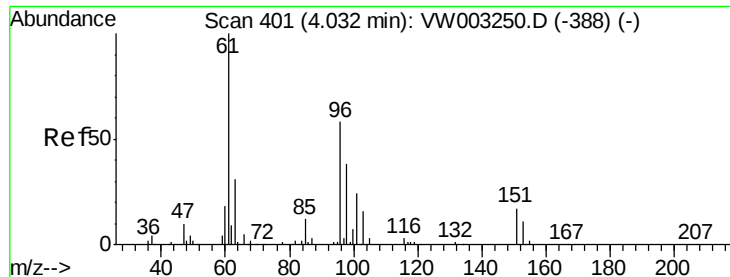
64 31.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

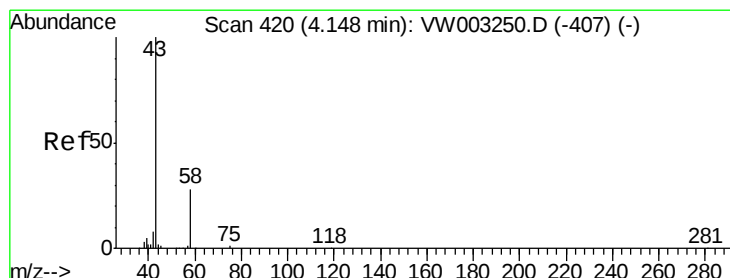
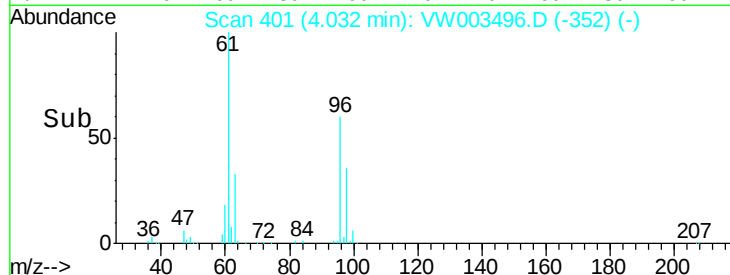
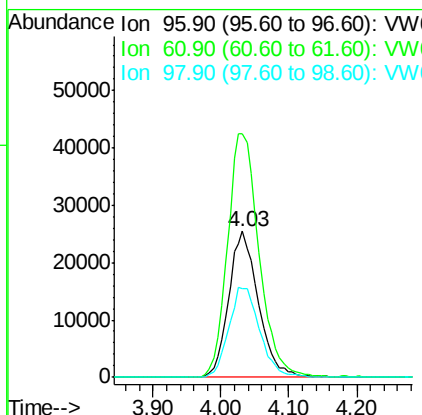
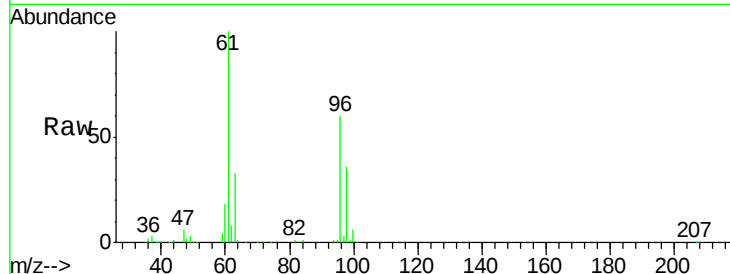




#12
 1,1-Dichloroethene
 Concen: 48.98 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW003496.D
 Acq: 24 Jun 2018 08:22

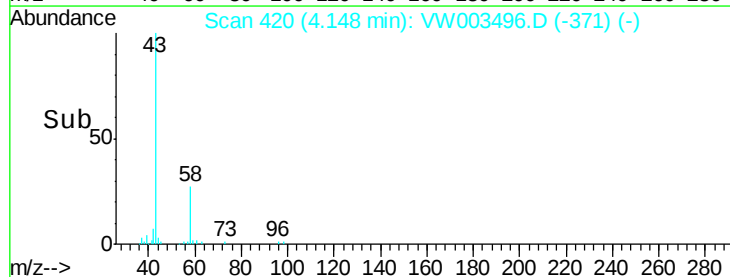
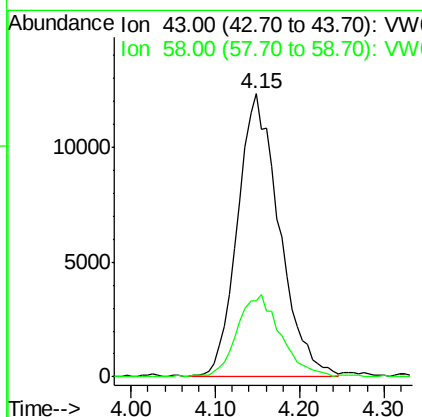
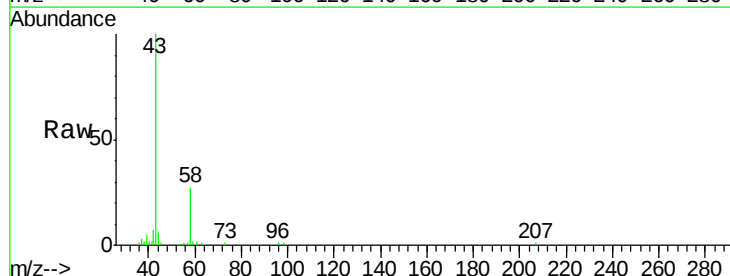
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-29-31-180621

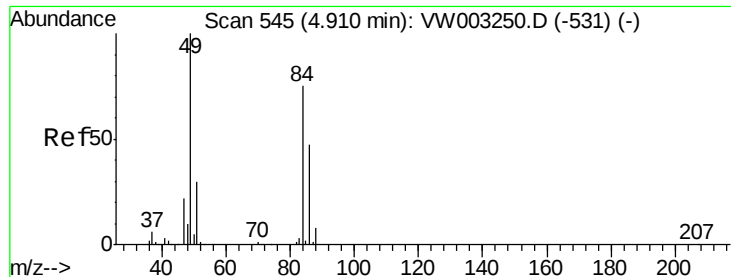
Tot Ion: 96 Resp: 77073
 Ion Ratio Lower Upper
 96 100
 61 166.6 139.0 208.4
 98 60.7 53.3 79.9



#16
 Acetone
 Concen: 105.78 ug/l
 RT: 4.15 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: VW003496.D
 Acq: 24 Jun 2018 08:22

Tgt Ion: 43 Resp: 41771
 Ion Ratio Lower Upper
 43 100
 58 26.8 22.6 34.0





#20

Methylene Chloride

Concen: 8.88 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

WP021SB477-29-31-180621

Tot Ion: 84 Resp: 19964

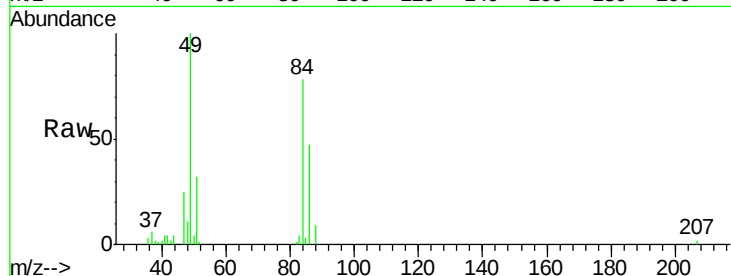
Ion Ratio Lower Upper

84 100

49 128.1 106.3 159.5

51 40.8 32.0 48.0

86 60.1 49.9 74.9

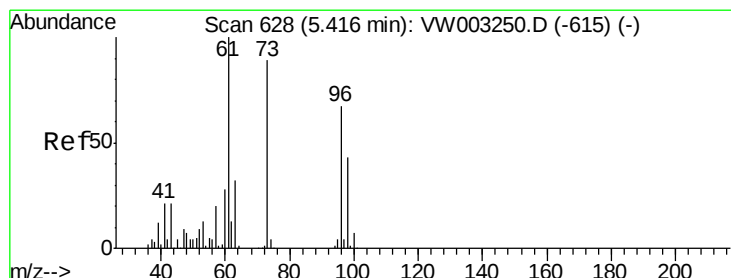
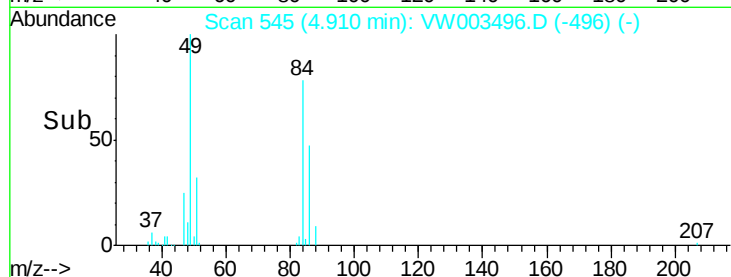
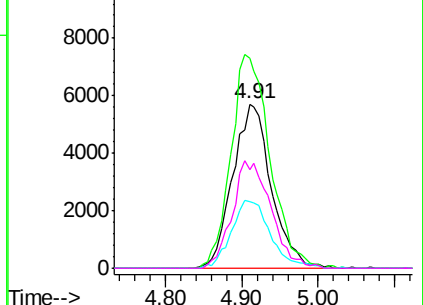


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 6.41 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

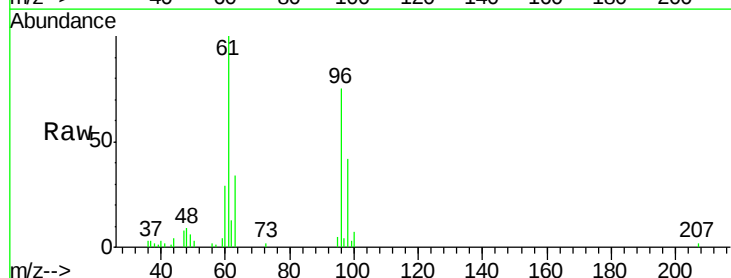
Tgt Ion: 96 Resp: 10973

Ion Ratio Lower Upper

96 100

61 132.6 118.7 178.1

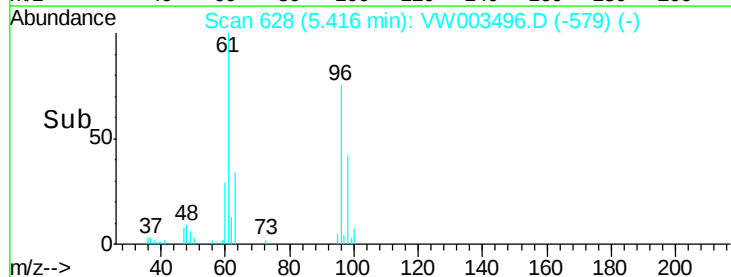
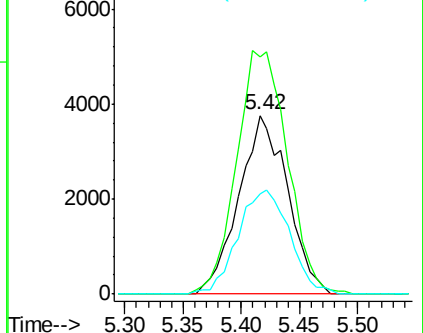
98 56.0 51.0 76.6

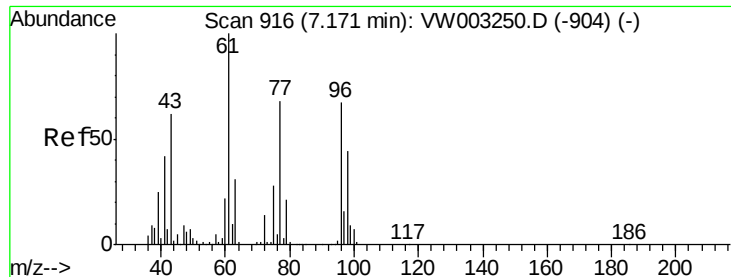


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



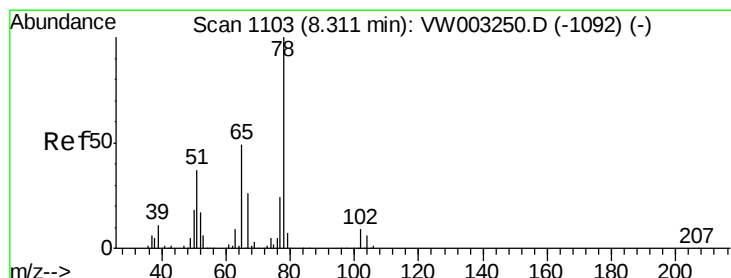
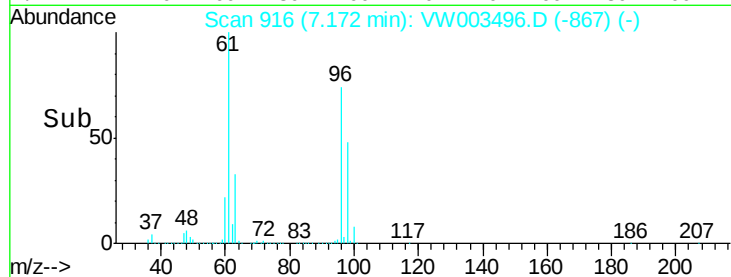
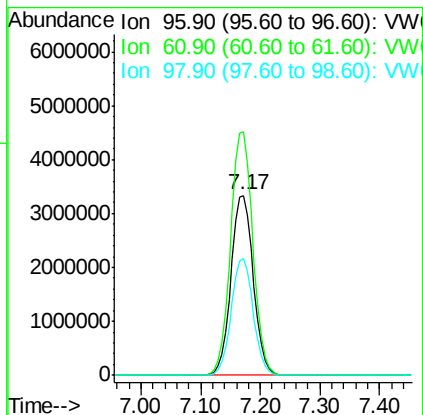
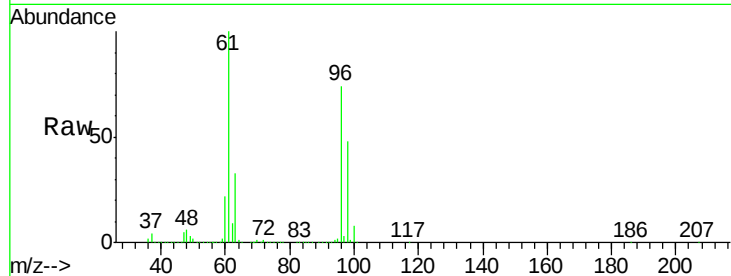


#27

cis-1,2-Dichloroethene
Concen: 4600.70 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003496.D
Acq: 24 Jun 2018 08:22

Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-29-31-180621

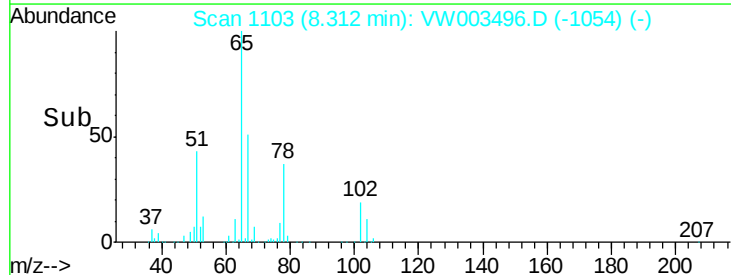
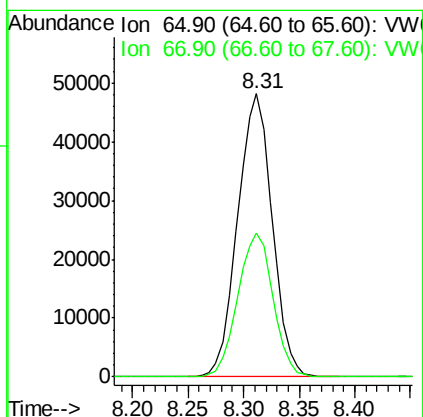
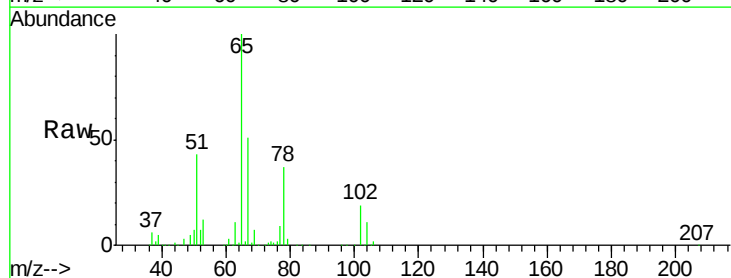
Tot Ion: 96 Resp: 8655548
Ion Ratio Lower Upper
96 100
61 135.6 0.0 298.8
98 64.4 0.0 130.4

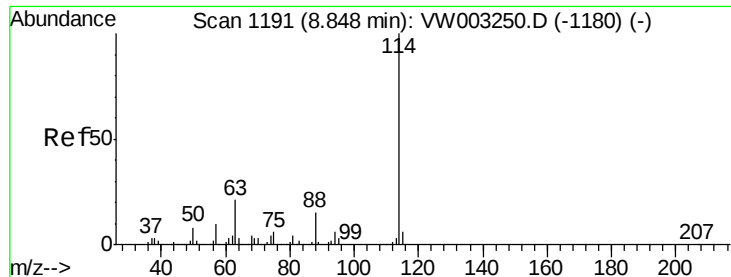


#33

1,2-Dichloroethane-d4
Concen: 55.17 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW003496.D
Acq: 24 Jun 2018 08:22

Tgt Ion: 65 Resp: 103873
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.2

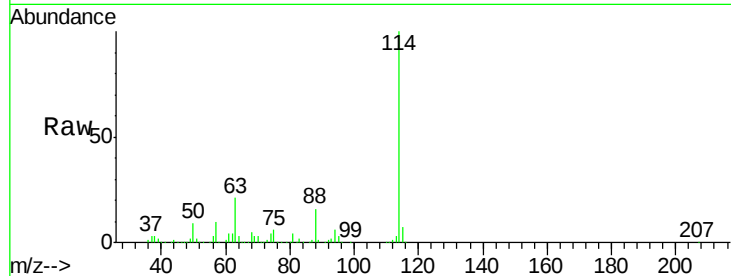




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003496.D
 Acq: 24 Jun 2018 08:22

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-29-31-180621

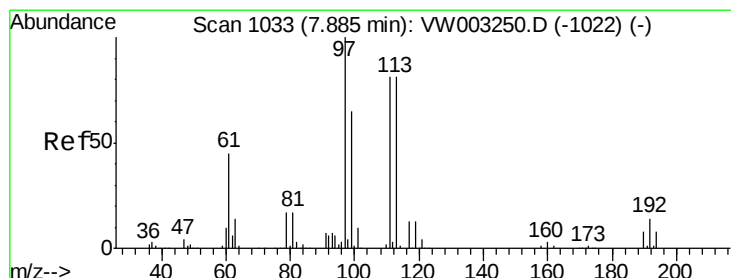
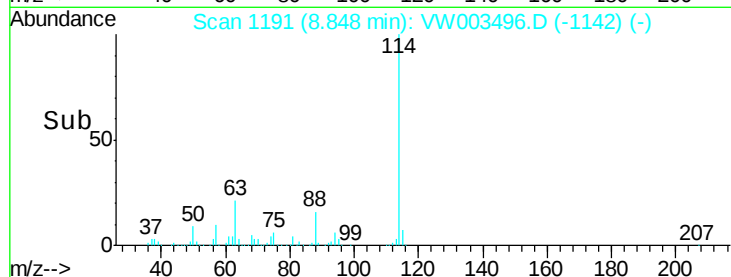
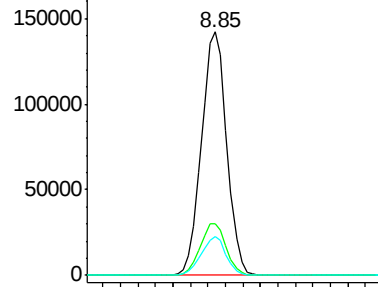
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	15.7	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

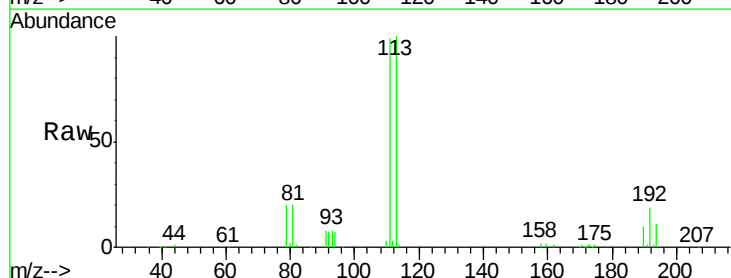
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 50.23 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003496.D
 Acq: 24 Jun 2018 08:22

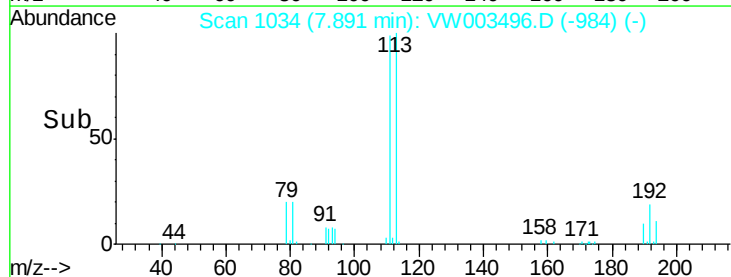
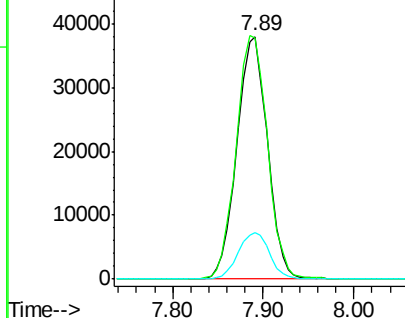
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	19.6	16.2	24.2

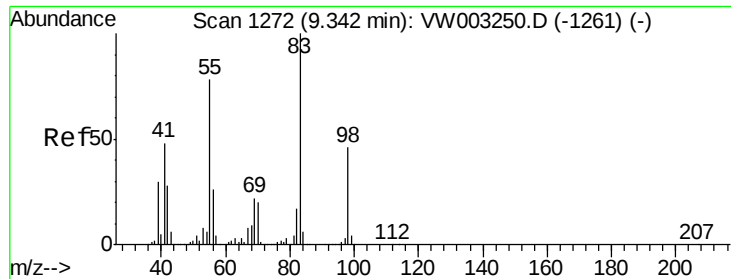


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

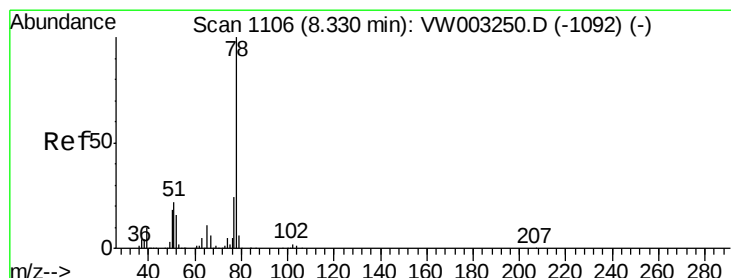
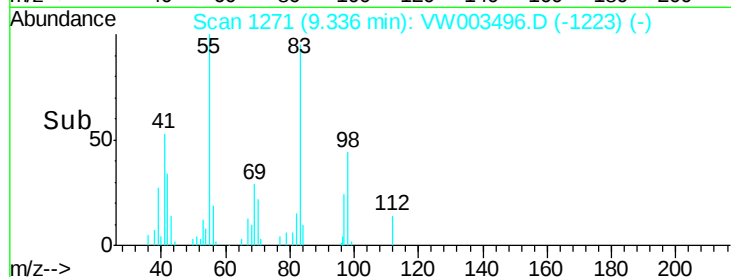
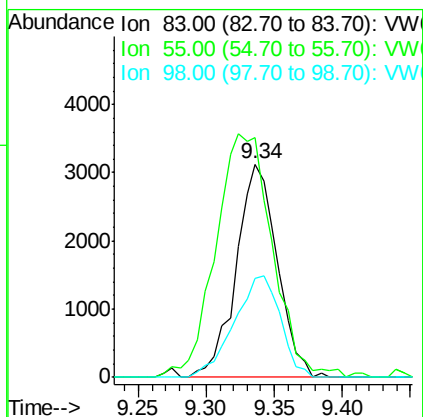
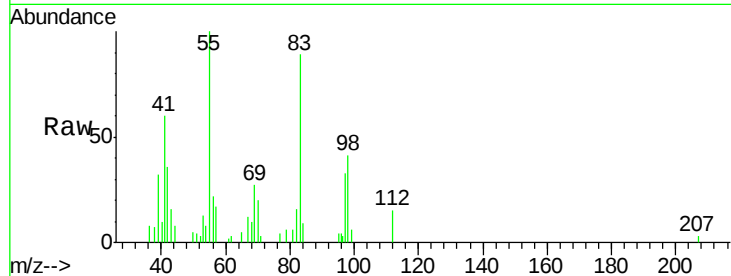




#39
Methvlcvclohexane
Concen: 2.07 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003496.D
Acq: 24 Jun 2018 08:22

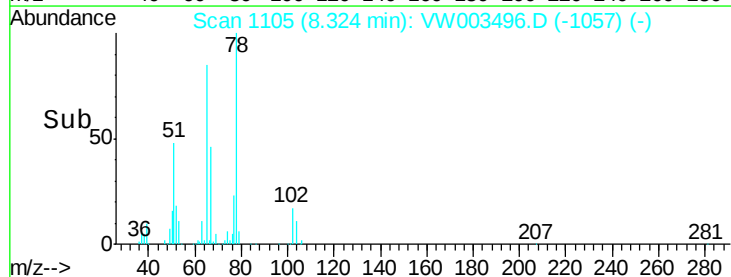
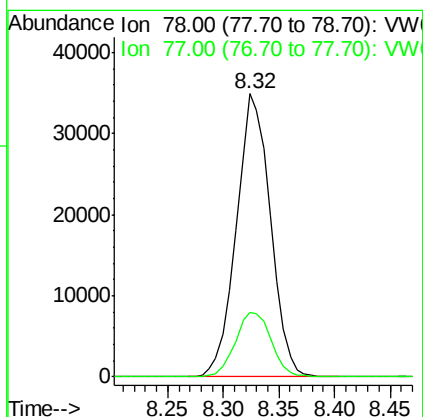
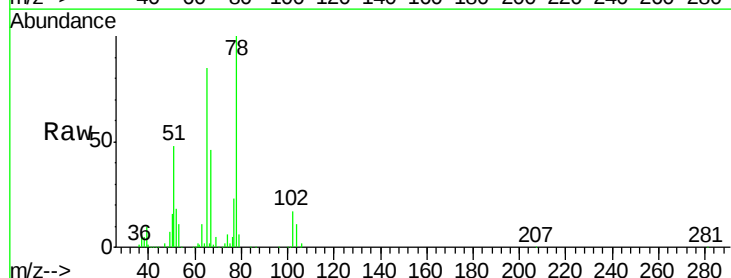
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-29-31-180621

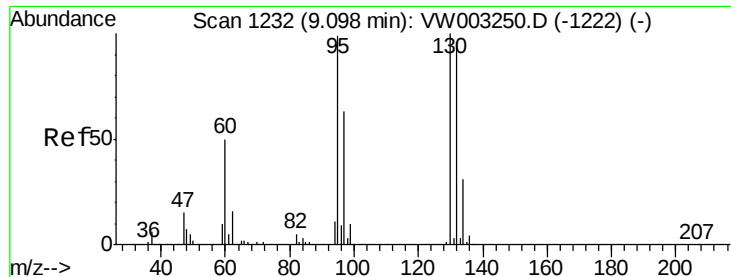
Tot Ion: 83 Resp: 6599
Ion Ratio Lower Upper
83 100
55 108.5 62.6 93.8#
98 46.2 37.0 55.4



#40
Benzene
Concen: 9.76 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003496.D
Acq: 24 Jun 2018 08:22

Tgt Ion: 78 Resp: 74031
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6

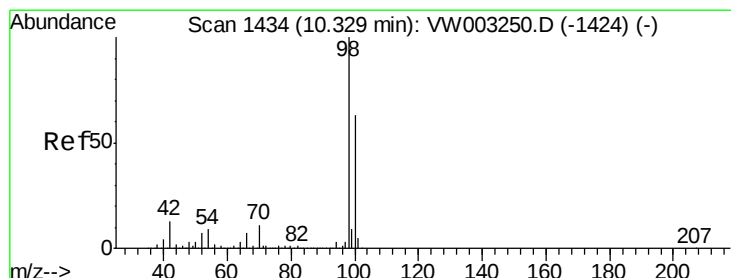
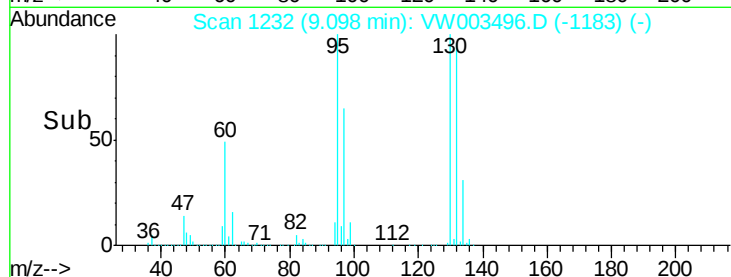
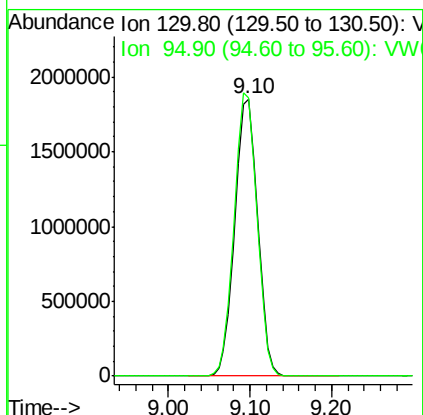
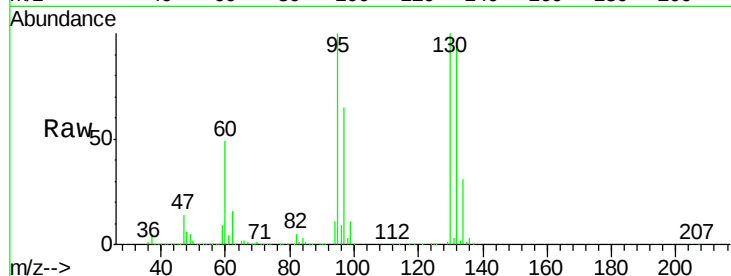




#44
 Trichloroethene
 Concen: 1777.11 ug/l
 RT: 9.10 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VW003496.D
 Acq: 24 Jun 2018 08:22

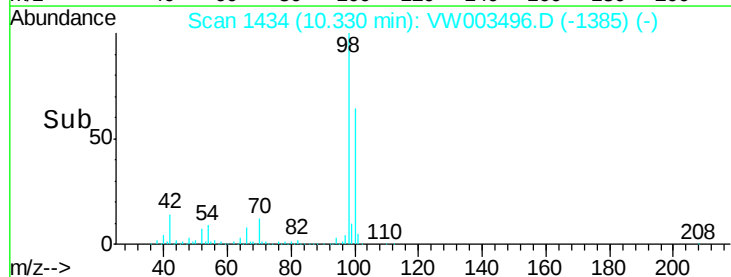
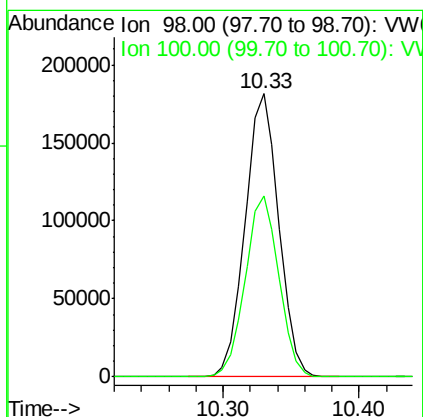
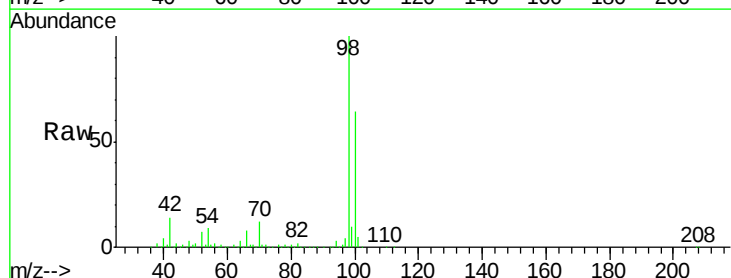
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-29-31-180621

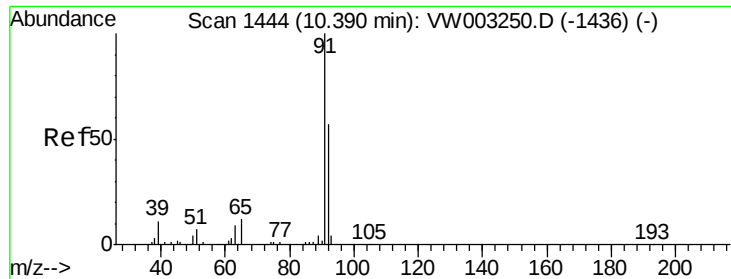
Tot Ion:130 Resp: 3571995
 Ion Ratio Lower Upper
 130 100
 95 100.4 0.0 198.0



#50
 Toluene-d8
 Concen: 44.80 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW003496.D
 Acq: 24 Jun 2018 08:22

Tgt Ion: 98 Resp: 314523
 Ion Ratio Lower Upper
 98 100
 100 63.9 50.8 76.2





#52

Toluene

Concen: 1.85 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

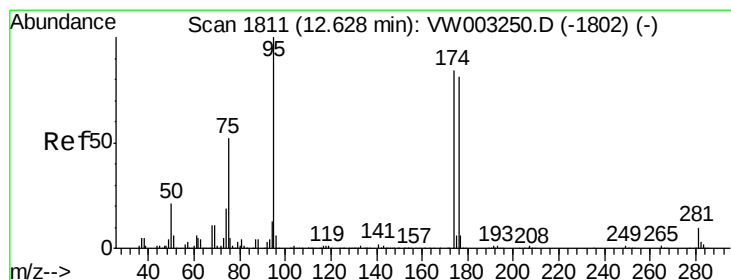
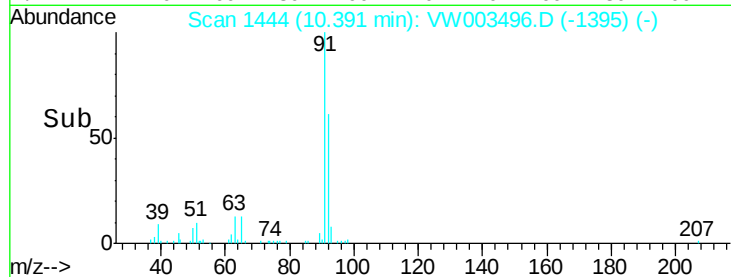
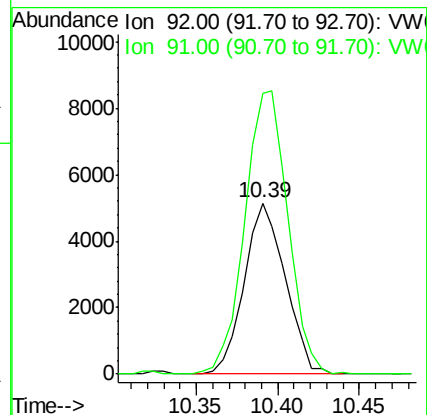
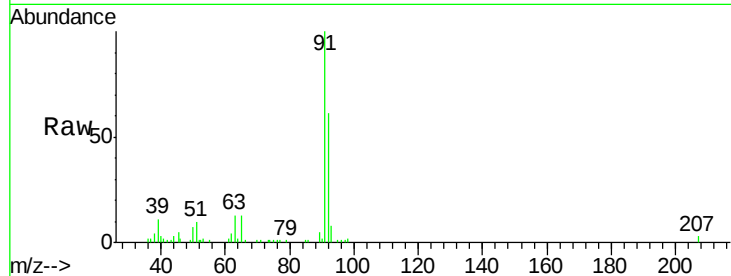
WP021SB477-29-31-180621

Tot Ion: 92 Resp: 8998

Ion Ratio Lower Upper

92 100

91 174.0 141.1 211.7



#62

4-Bromofluorobenzene

Concen: 47.44 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

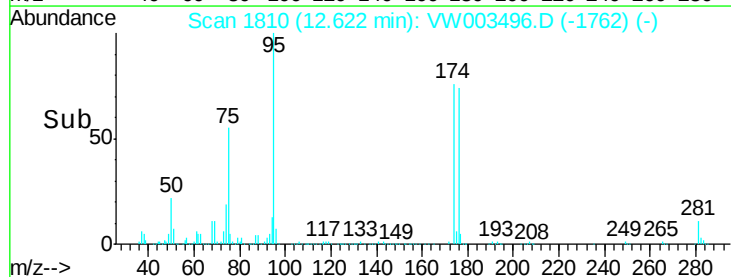
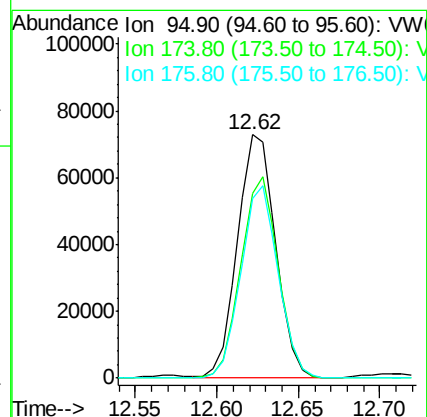
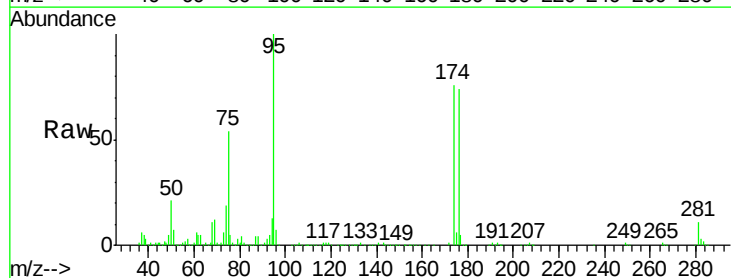
Tgt Ion: 95 Resp: 117881

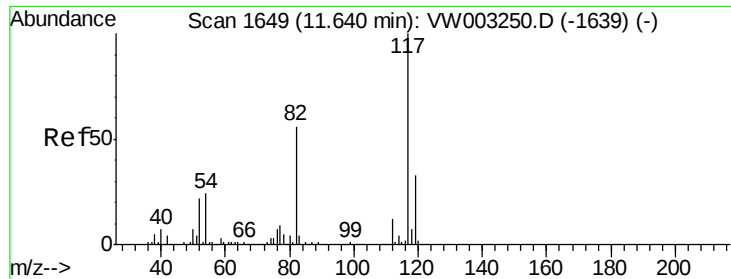
Ion Ratio Lower Upper

95 100

174 81.7 0.0 166.4

176 77.8 0.0 162.0

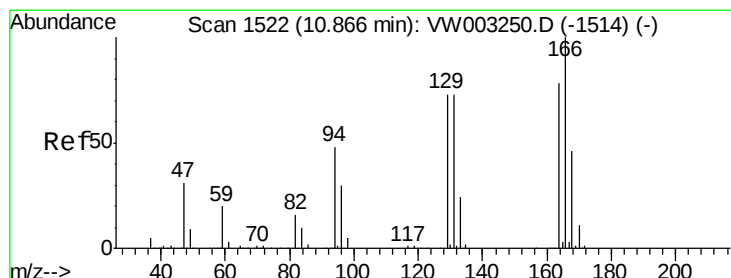
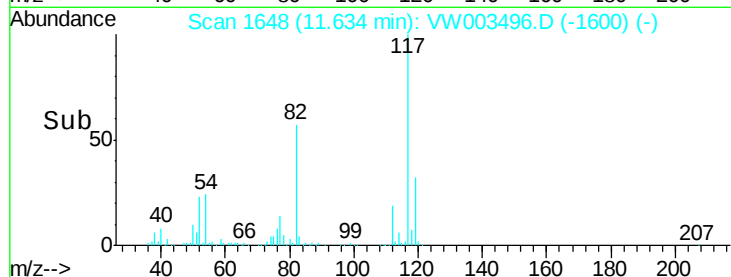
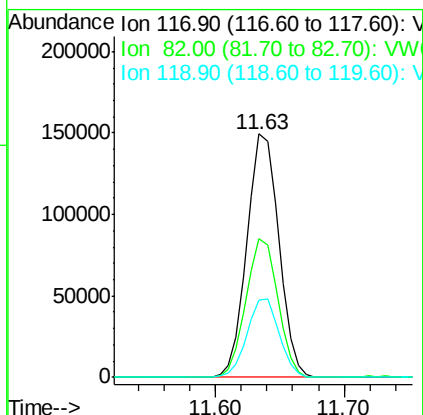
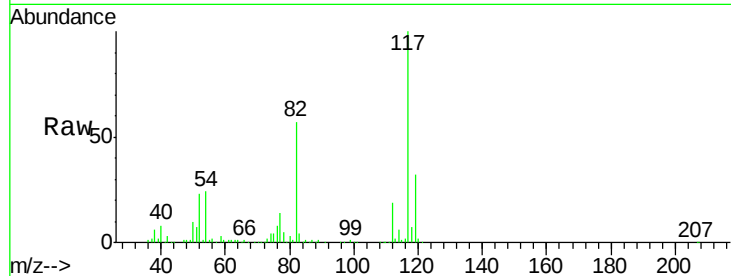




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003496.D
Acq: 24 Jun 2018 08:22

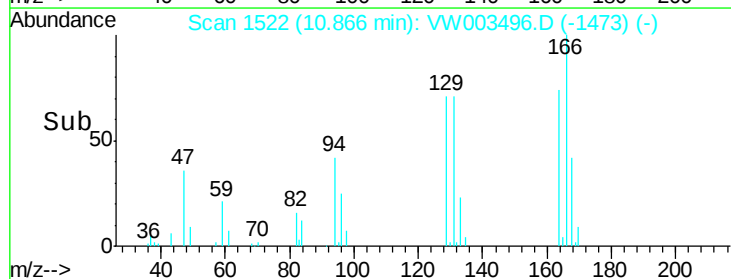
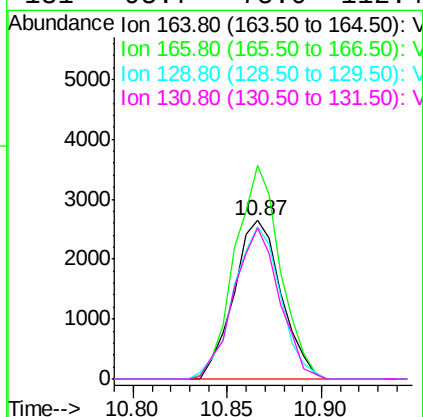
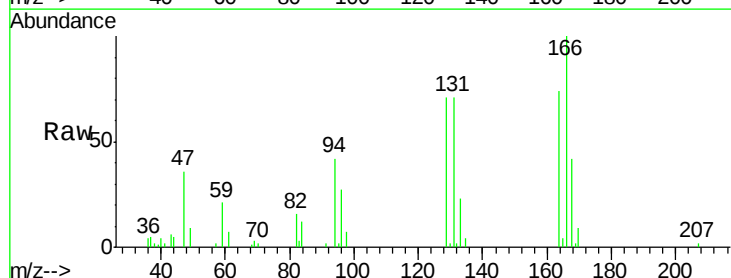
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-29-31-180621

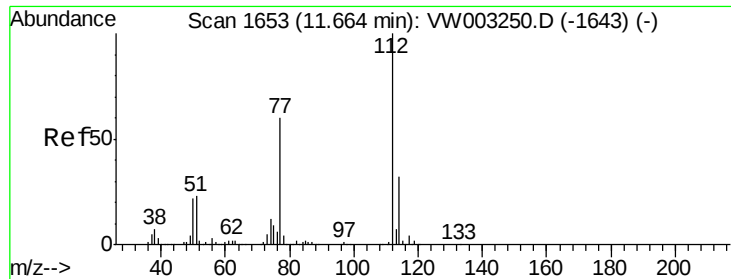
Tot Ion:117 Resp: 255827
Ion Ratio Lower Upper
117 100
82 57.0 44.6 67.0
119 31.5 26.7 40.1



#64
Tetrachloroethene
Concen: 2.71 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003496.D
Acq: 24 Jun 2018 08:22

Tgt Ion:164 Resp: 4630
Ion Ratio Lower Upper
164 100
166 134.9 102.6 154.0
129 96.3 75.2 112.8
131 95.7 75.0 112.4





#65

Chlorobenzene

Concen: 259.15 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

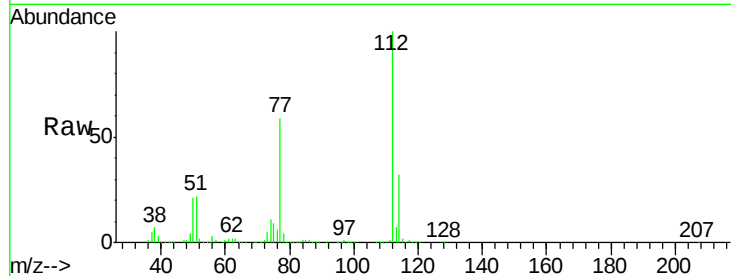
WP021SB477-29-31-180621

Tot Ion:112 Resp: 1380592

Ion Ratio Lower Upper

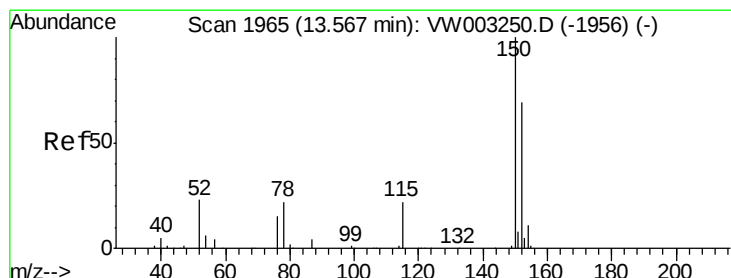
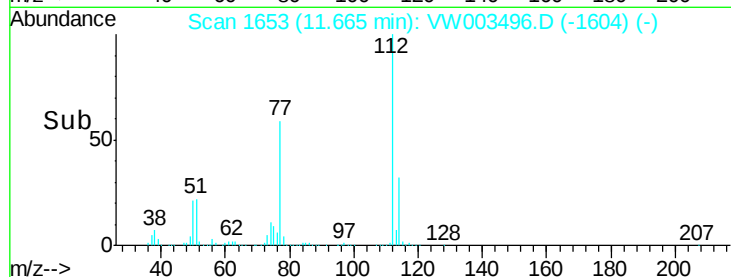
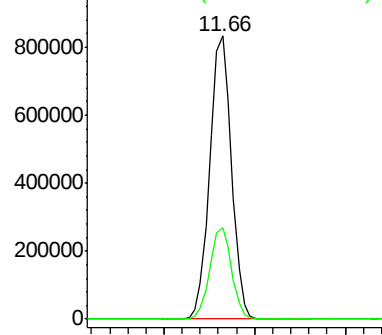
112 100

114 32.2 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

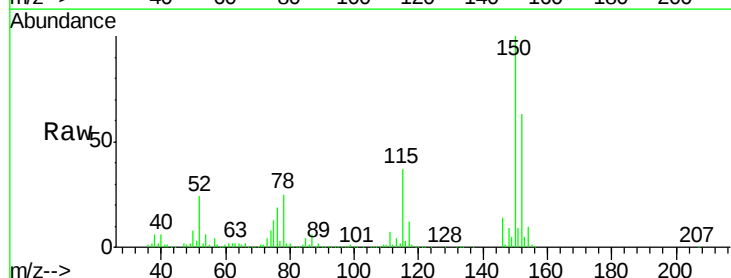
Tgt Ion:152 Resp: 126206

Ion Ratio Lower Upper

152 100

115 58.2 29.3 88.0

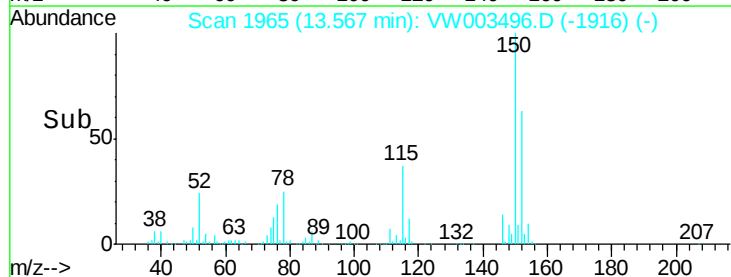
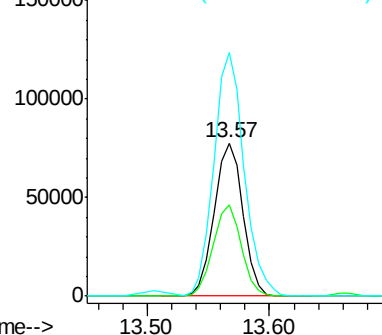
150 168.2 0.0 349.6

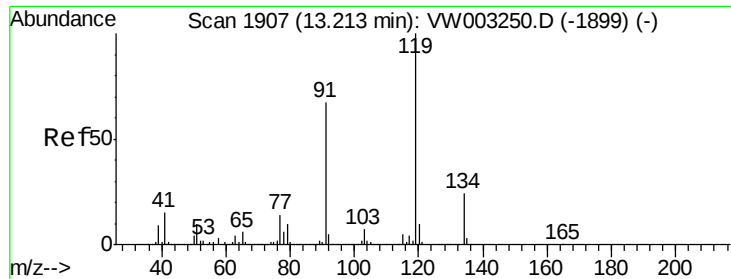


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

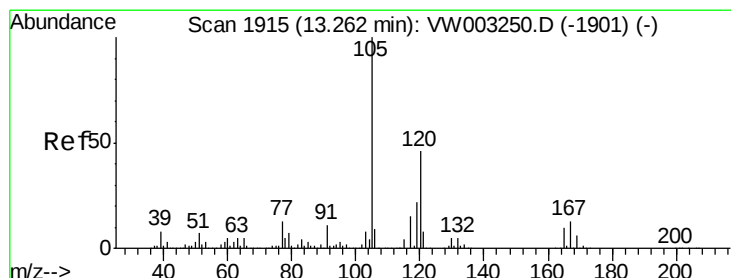
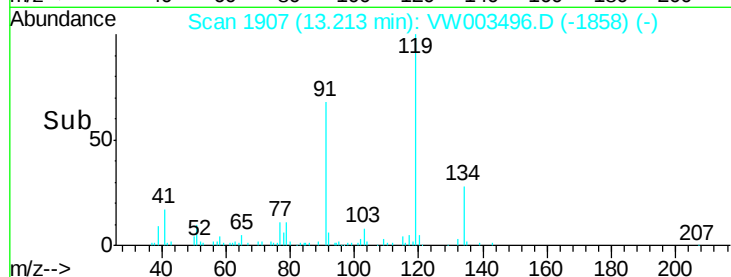
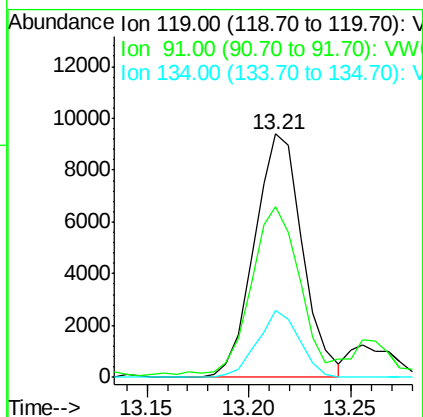
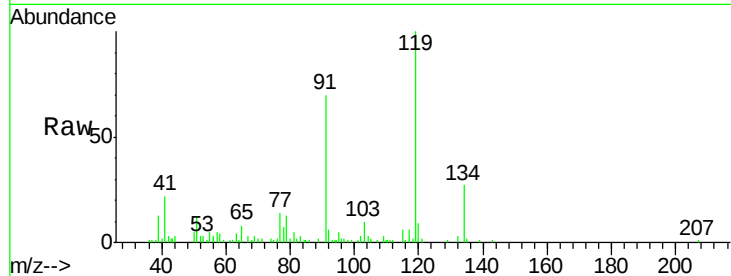




#83
tert-Butylbenzene
Concen: 2.45 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003496.D
Acq: 24 Jun 2018 08:22

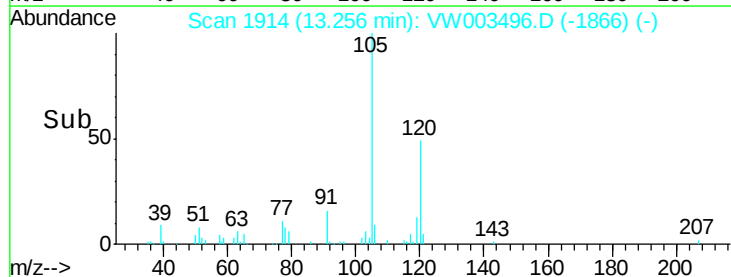
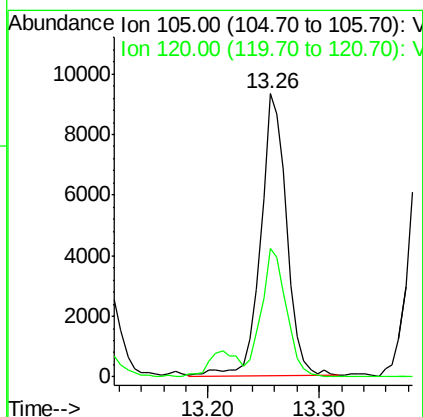
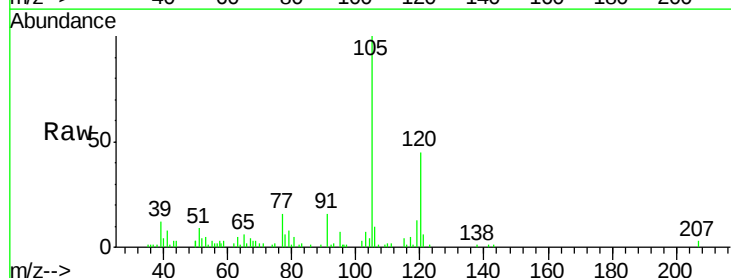
Instrument :
MSVOA_W
ClientSampleId :
WP021SB477-29-31-180621

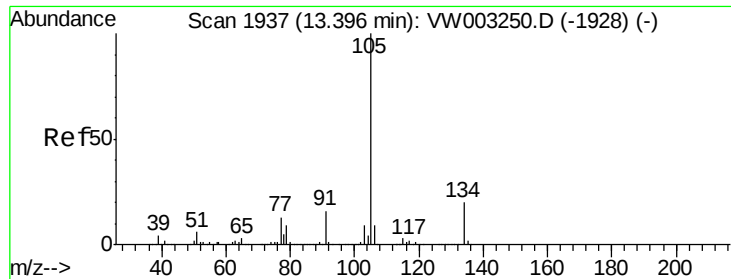
Tot Ion:119 Resp: 15354
Ion Ratio Lower Upper
119 100
91 72.1 33.9 101.7
134 24.1 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 1.99 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.01 min
Lab File: VW003496.D
Acq: 24 Jun 2018 08:22

Tgt Ion:105 Resp: 15060
Ion Ratio Lower Upper
105 100
120 44.3 22.5 67.5





#85

sec-Butylbenzene

Concen: 1.41 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

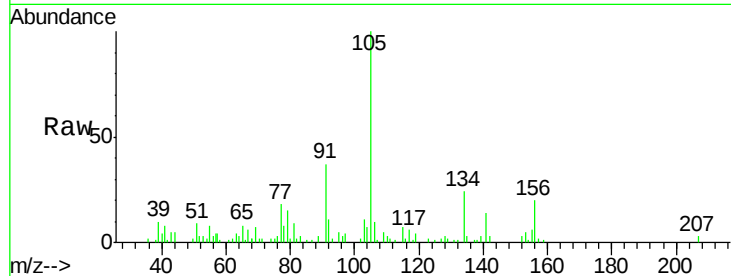
WP021SB477-29-31-180621

Tot Ion:105 Resp: 13128

Ion Ratio Lower Upper

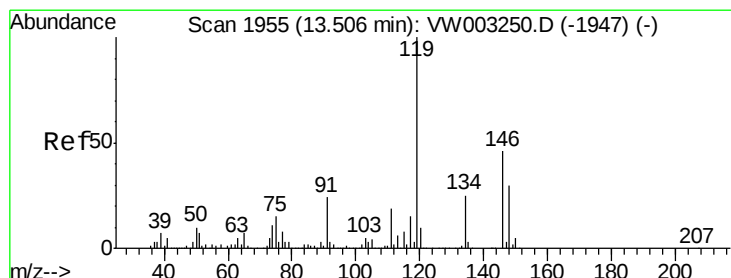
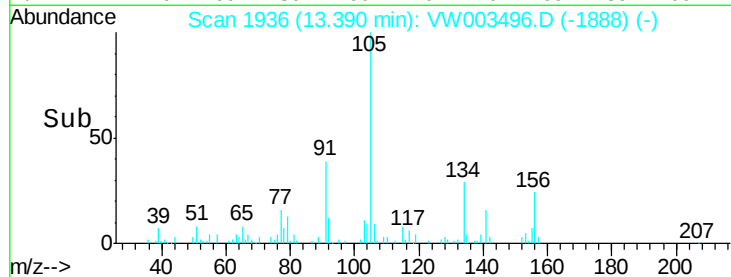
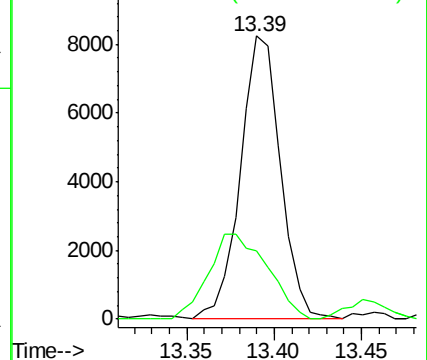
105 100

134 44.1 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 9.69 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

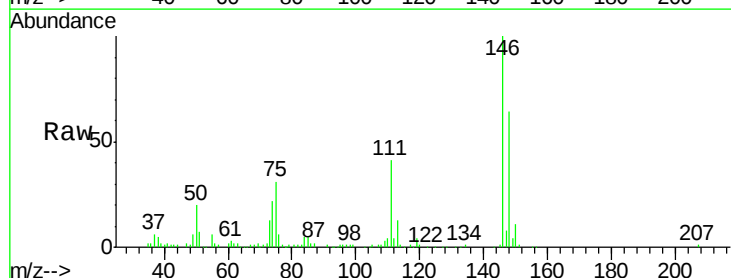
Tgt Ion:146 Resp: 40693

Ion Ratio Lower Upper

146 100

111 41.9 19.8 59.4

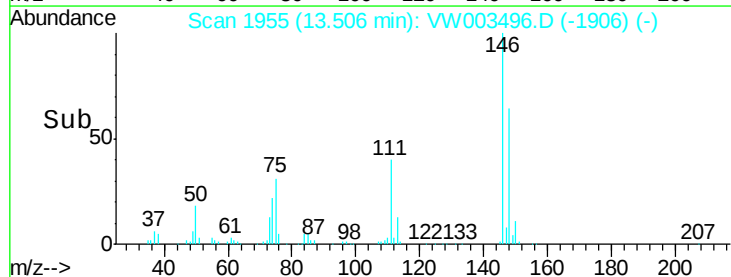
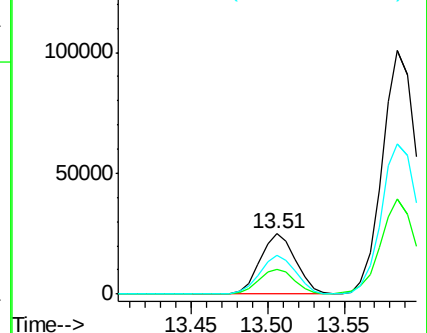
148 63.8 32.1 96.5

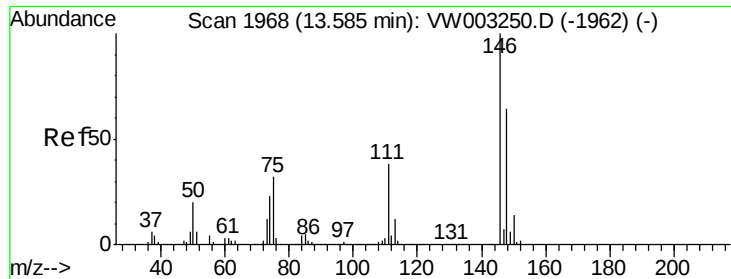


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

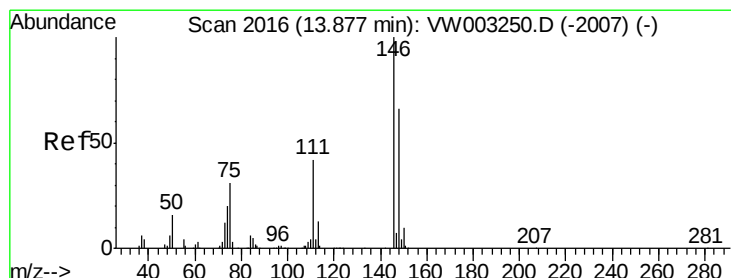
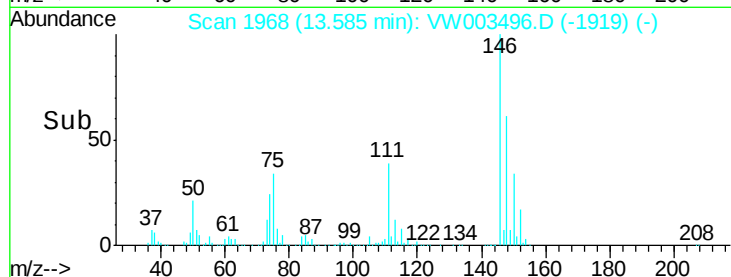
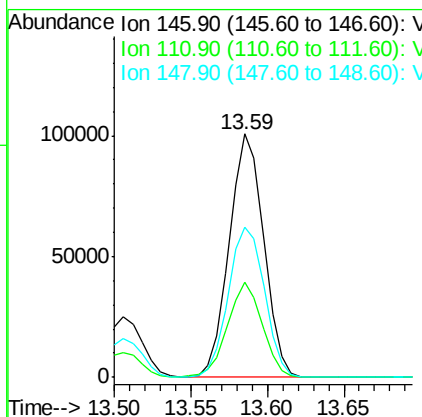
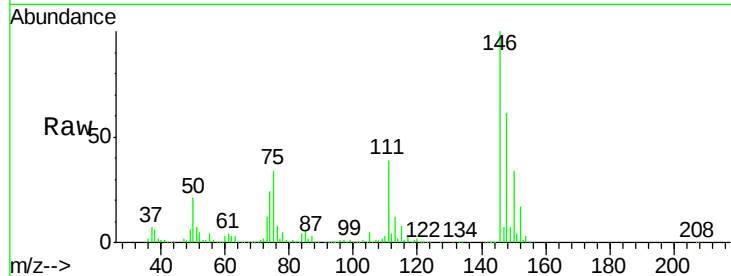




#88
 1,4-Dichlorobenzene
 Concen: 37.81 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003496.D
 Acq: 24 Jun 2018 08:22

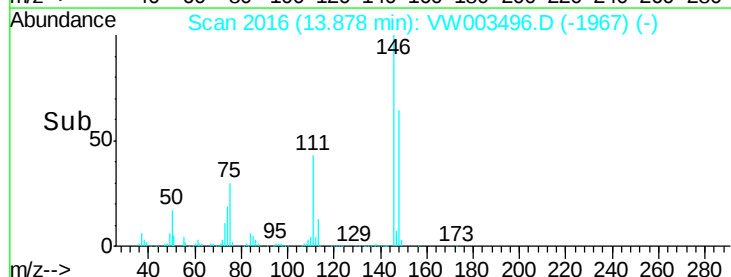
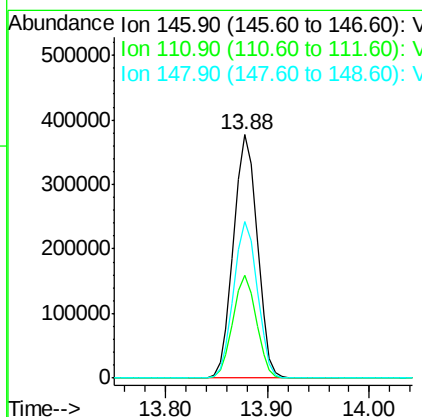
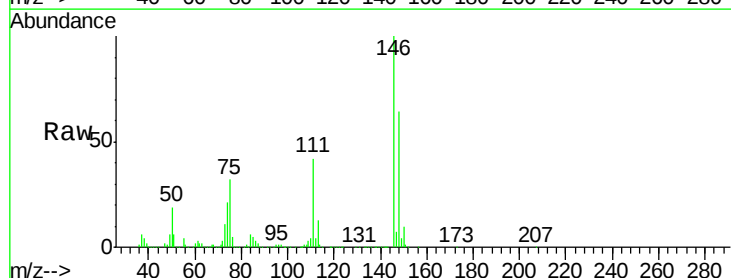
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB477-29-31-180621

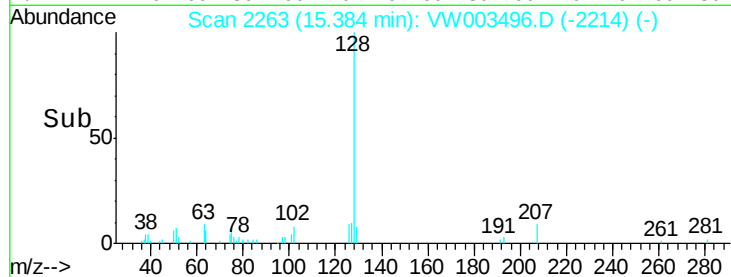
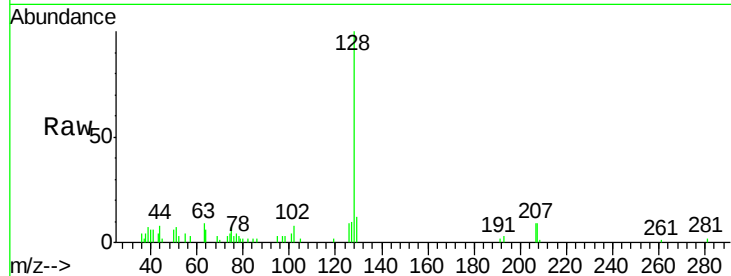
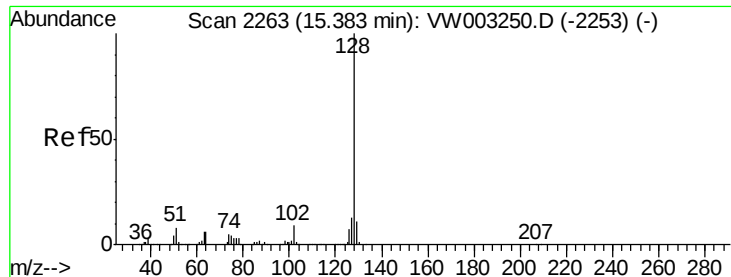
Tot Ion:146 Resp: 157860
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.2 57.6
 148 64.6 31.8 95.4



#91
 1,2-Dichlorobenzene
 Concen: 164.93 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003496.D
 Acq: 24 Jun 2018 08:22

Tgt Ion:146 Resp: 606733
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.3 61.0
 148 64.3 32.3 96.9





#95

Naphthalene

Concen: 1.53 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003496.D

Acq: 24 Jun 2018 08:22

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion:128 Resp: 6724

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

129 15.7 8.9 13.3#

