

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003534.D
 Acq On : 25 Jun 2018 03:34
 Operator : SY/AP
 Sample : J3669-29
 Misc : 6.09G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-29-31-180620

Quant Time: Jun 25 05:58:29 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

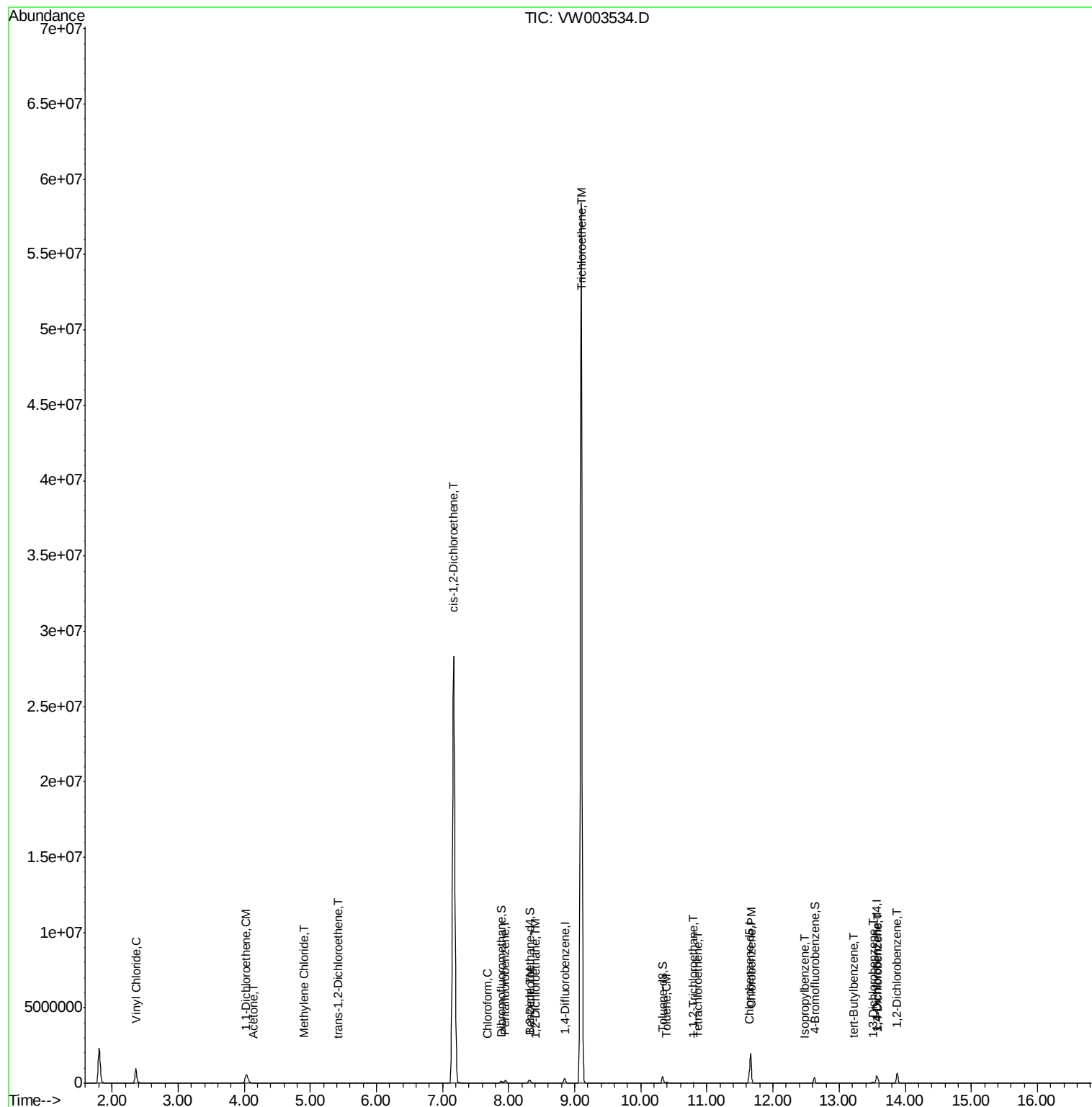
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	146417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	245134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	219229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	107649	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	93588	59.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.02%	
35) Dibromofluoromethane	7.88	113	81276	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
50) Toluene-d8	10.33	98	281397	46.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.18%	
62) 4-Bromofluorobenzene	12.62	95	104729	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.36	62	1186571	727.77	ug/l	98
12) 1,1-Dichloroethene	4.03	96	344451	259.88	ug/l	97
16) Acetone	4.14	43	26417	79.42	ug/l	97
20) Methylene Chloride	4.90	84	18255	9.98	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	9590	6.65	ug/l #	85
27) cis-1,2-Dichloroethene	7.17	96	16126870	10177.06	ug/l	91
30) Chloroform	7.68	83	11920	4.27	ug/l	89
40) Benzene	8.33	78	126222	19.34	ug/l	97
42) 1,2-Dichloroethane	8.40	62	10243	5.01	ug/l	98
44) Trichloroethene	9.09	130	18033085	10429.15	ug/l	99
52) Toluene	10.39	92	23564	5.63	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	9960	8.31	ug/l	90
64) Tetrachloroethene	10.87	164	4563	3.11	ug/l	96
65) Chlorobenzene	11.66	112	1011624	221.59	ug/l	99
73) Isopropylbenzene	12.47	105	7523	1.00	ug/l	99
83) tert-Butylbenzene	13.21	119	5652	1.06	ug/l	89
87) 1,3-Dichlorobenzene	13.51	146	24881	6.95	ug/l	97
88) 1,4-Dichlorobenzene	13.59	146	97473	27.37	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	267995	85.41	ug/l	99

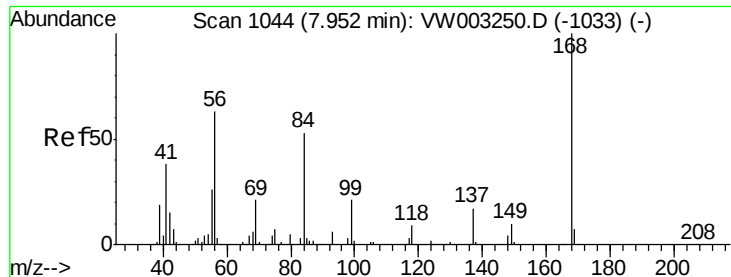
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003534.D

Acq: 25 Jun 2018 03:34

Instrument :

MSVOA_W

ClientSampleId :

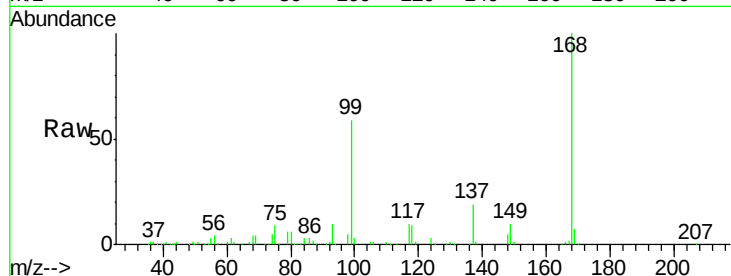
WP021SB474-29-31-180620

Tot Ion:168 Resp: 146417

Ion Ratio Lower Upper

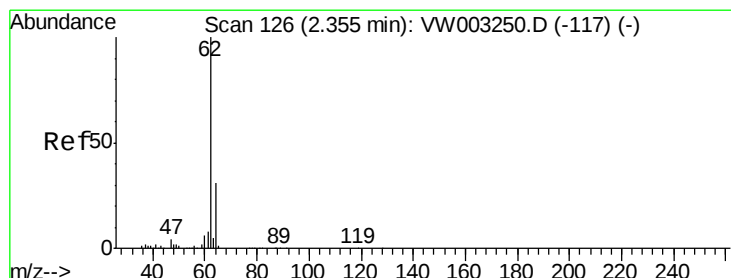
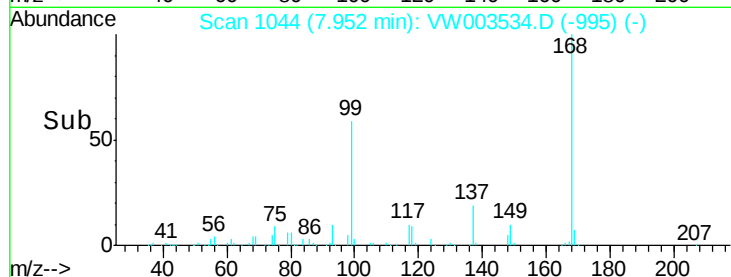
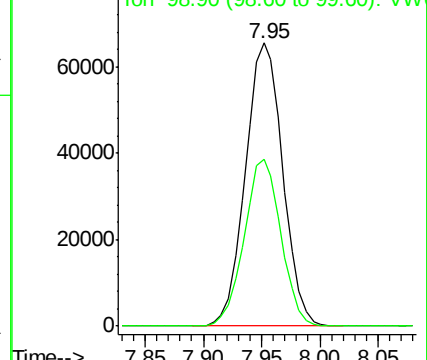
168 100

99 59.0 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: 727.77 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003534.D

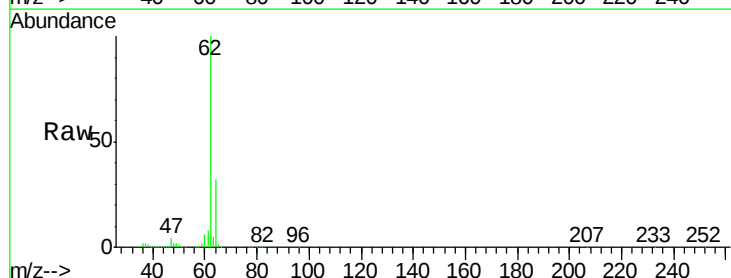
Acq: 25 Jun 2018 03:34

Tgt Ion: 62 Resp: 1186571

Ion Ratio Lower Upper

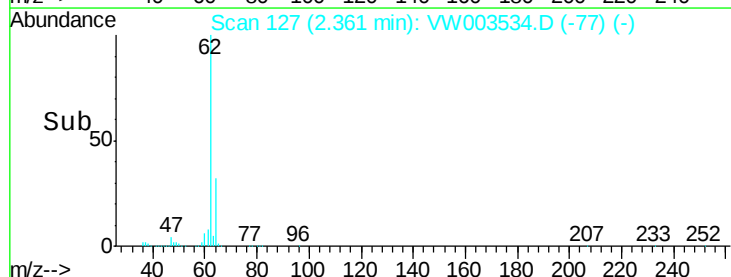
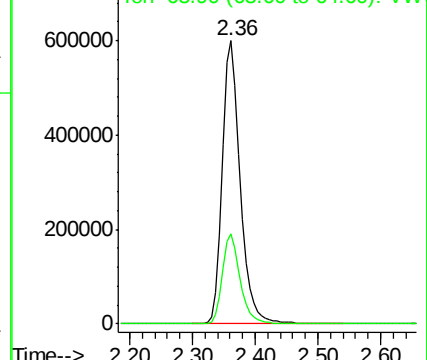
62 100

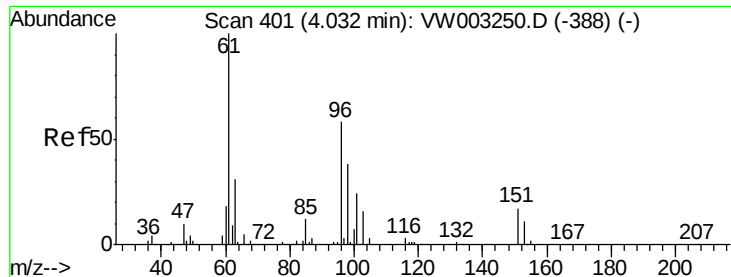
64 32.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

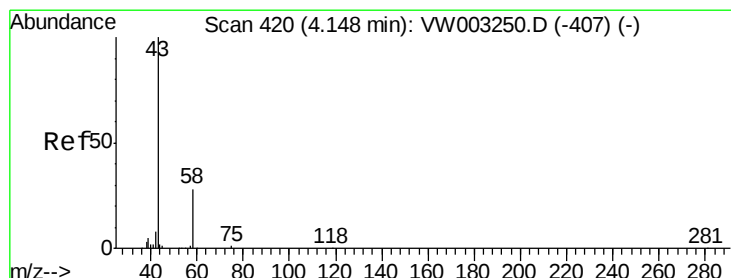
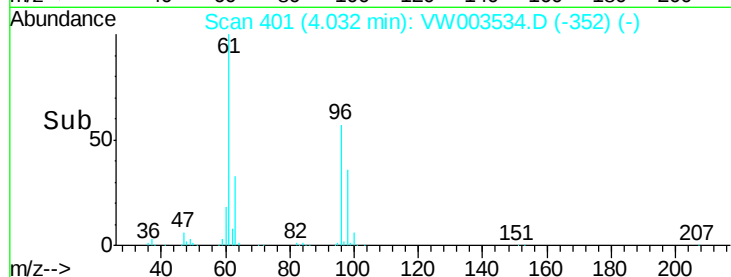
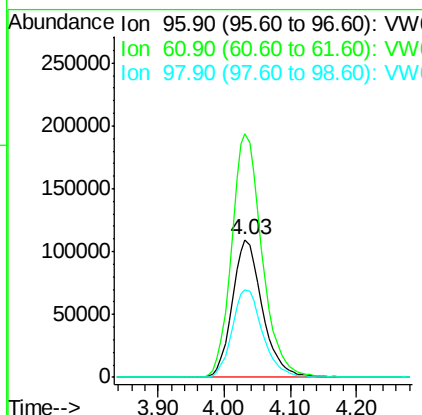
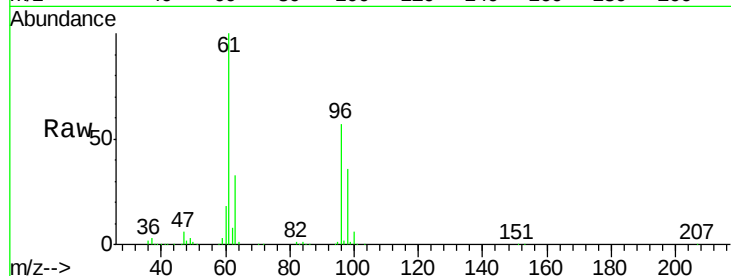




#12
 1,1-Dichloroethene
 Concen: 259.88 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW003534.D
 Acq: 25 Jun 2018 03:34

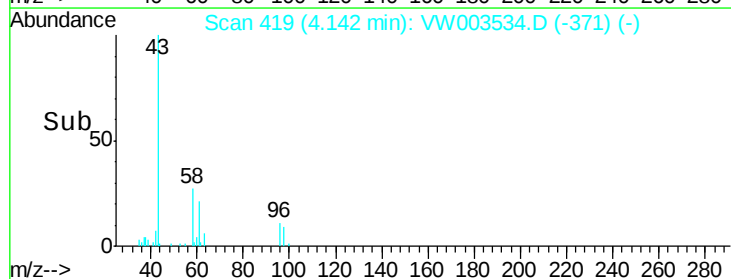
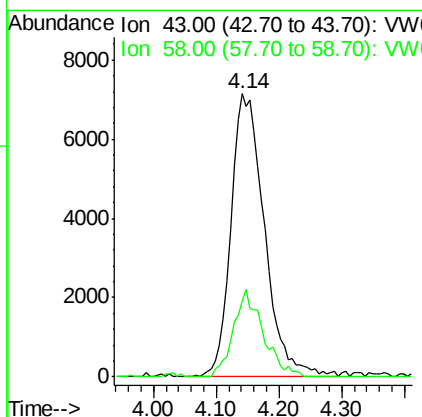
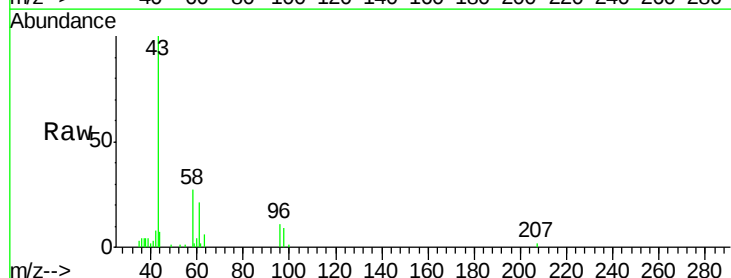
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-29-31-180620

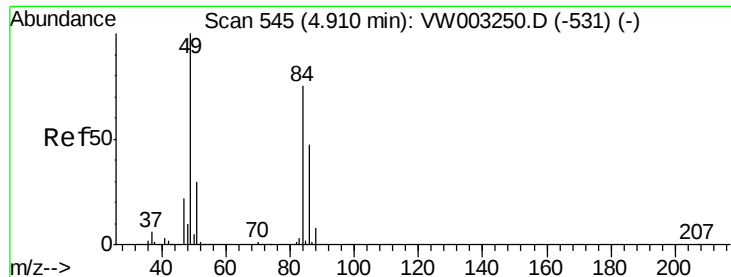
Tot Ion	96	Resp	344451
Ion	Ratio	Lower	Upper
96	100		
61	176.9	139.0	208.4
98	63.2	53.3	79.9



#16
 Acetone
 Concen: 79.42 ug/l
 RT: 4.14 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: VW003534.D
 Acq: 25 Jun 2018 03:34

Tgt Ion	43	Resp	26417
Ion	Ratio	Lower	Upper
43	100		
58	26.9	22.6	34.0

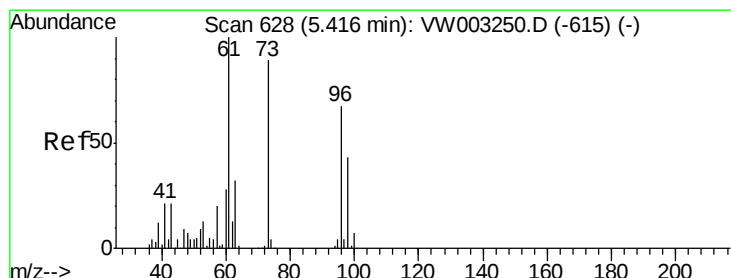
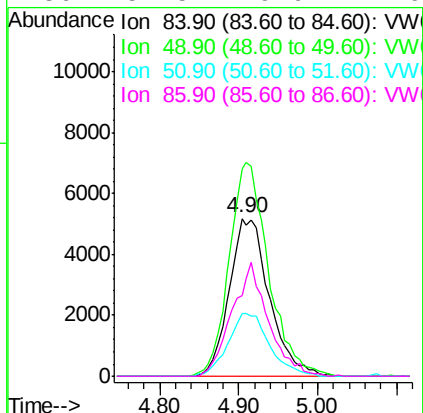
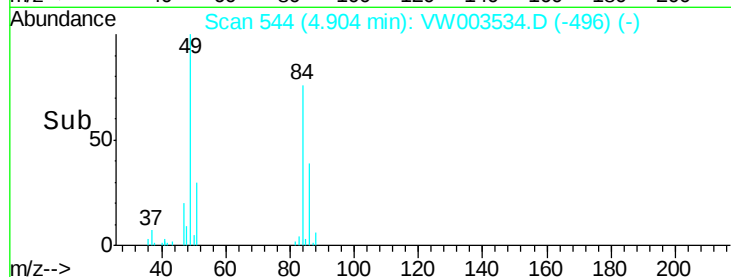
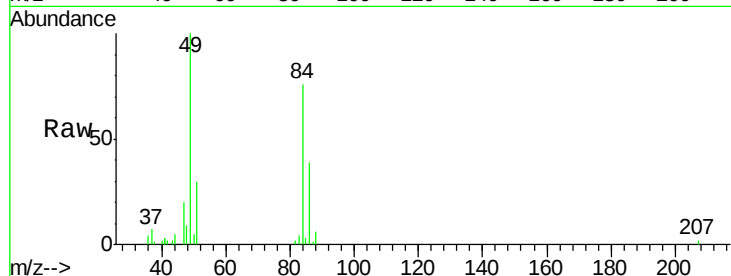




#20
Methylene Chloride
Concen: 9.98 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003534.D
Acq: 25 Jun 2018 03:34

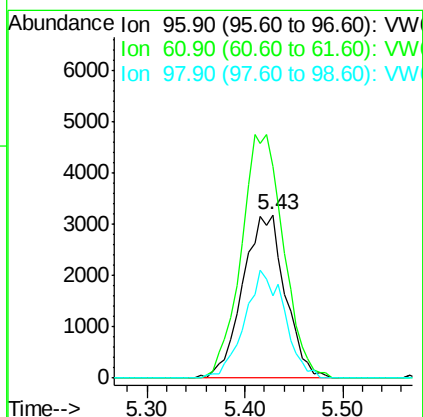
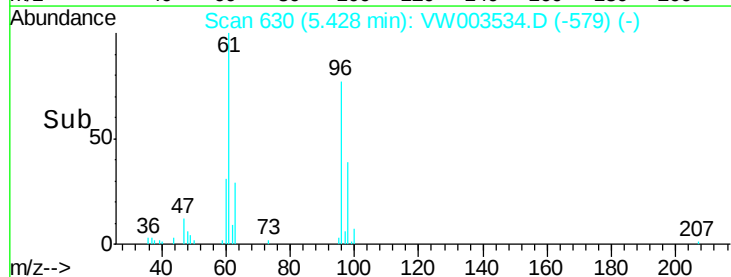
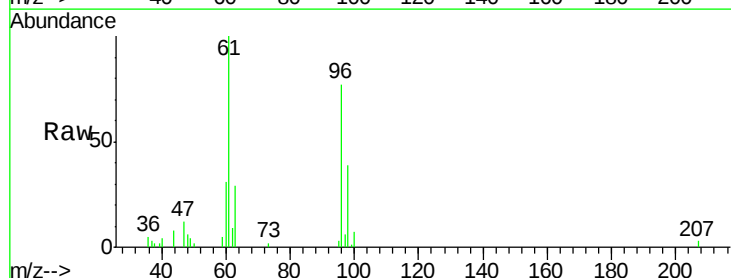
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-29-31-180620

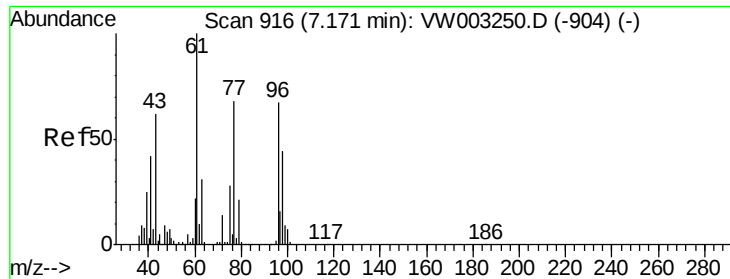
Tot Ion: 84 Resp: 18255
Ion Ratio Lower Upper
84 100
49 131.7 106.3 159.5
51 39.7 32.0 48.0
86 51.5 49.9 74.9



#21
trans-1,2-Dichloroethene
Concen: 6.65 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW003534.D
Acq: 25 Jun 2018 03:34

Tgt Ion: 96 Resp: 9590
Ion Ratio Lower Upper
96 100
61 130.2 118.7 178.1
98 50.8 51.0 76.6#



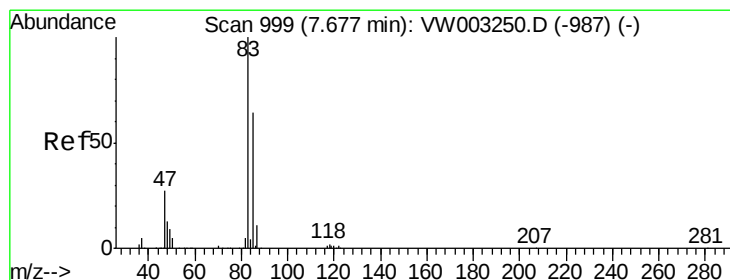
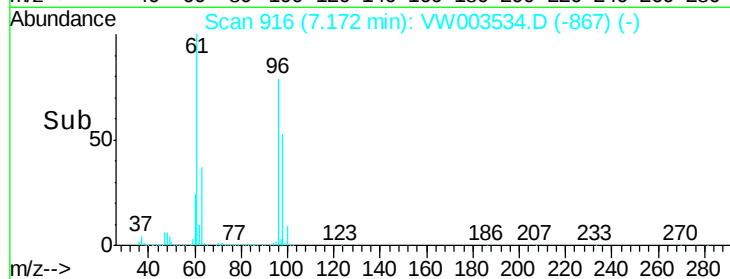
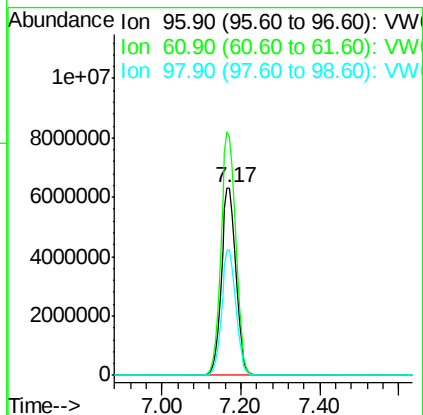
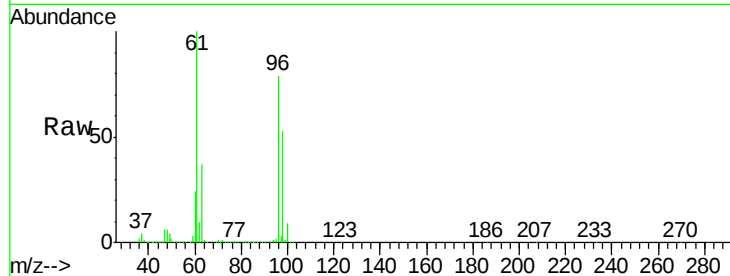


#27

cis-1,2-Dichloroethene
 Concen: 10177.06 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003534.D
 Acq: 25 Jun 2018 03:34

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-29-31-180620

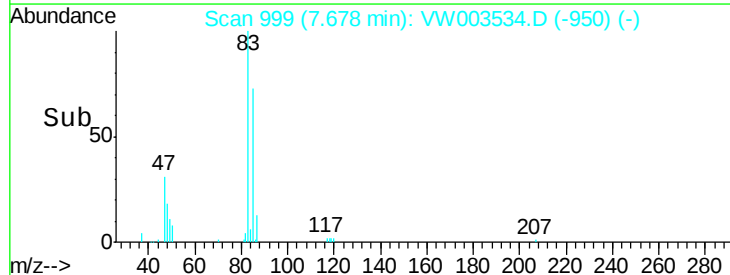
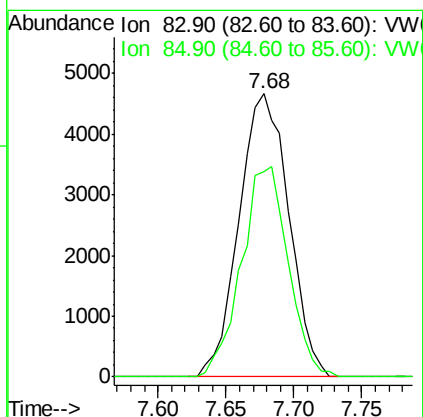
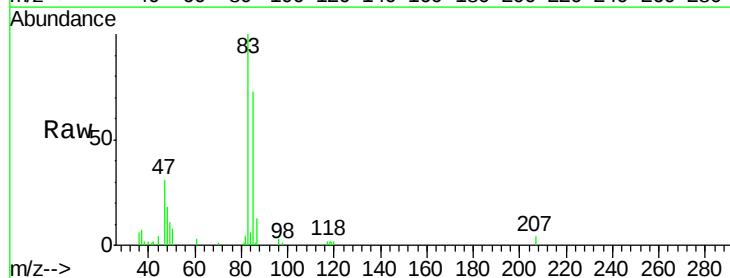
Tot Ion: 96 Resp:16126870
 Ion Ratio Lower Upper
 96 100
 61 132.9 0.0 298.8
 98 65.8 0.0 130.4

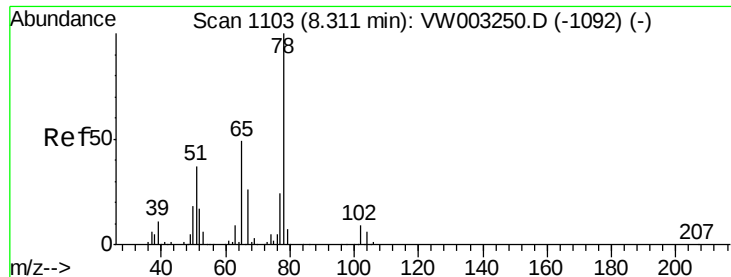


#30

Chloroform
 Concen: 4.27 ug/l
 RT: 7.68 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VW003534.D
 Acq: 25 Jun 2018 03:34

Tgt Ion: 83 Resp: 11920
 Ion Ratio Lower Upper
 83 100
 85 72.7 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 59.01 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003534.D

Acq: 25 Jun 2018 03:34

Instrument :

MSVOA_W

ClientSampleId :

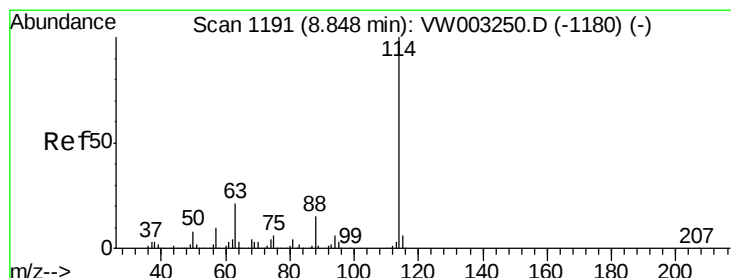
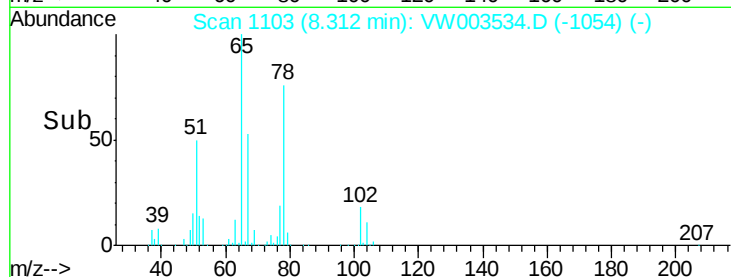
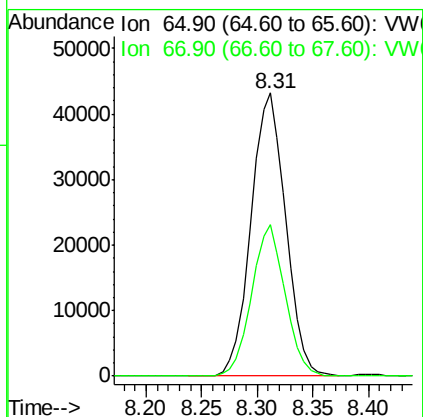
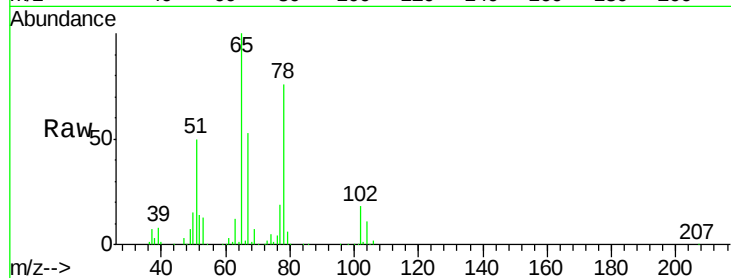
WP021SB474-29-31-180620

Tot Ion: 65 Resp: 93588

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: VW003534.D

Acq: 25 Jun 2018 03:34

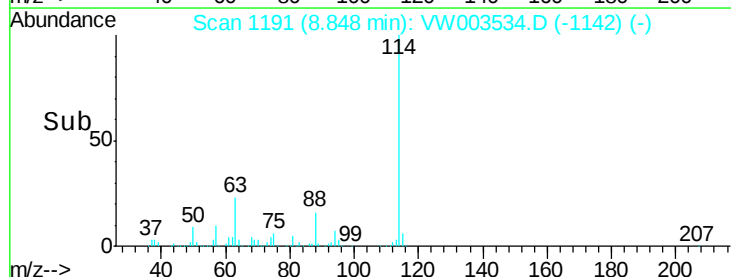
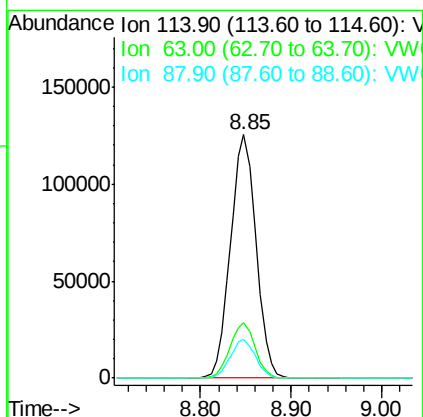
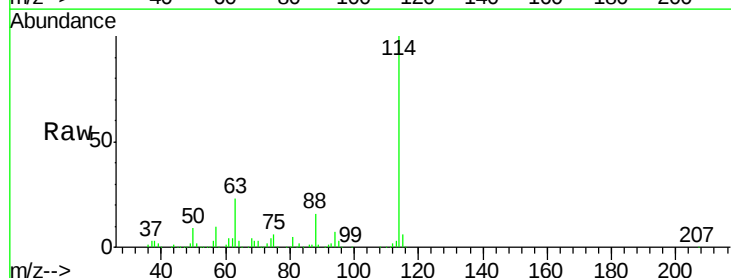
Tgt Ion: 114 Resp: 245134

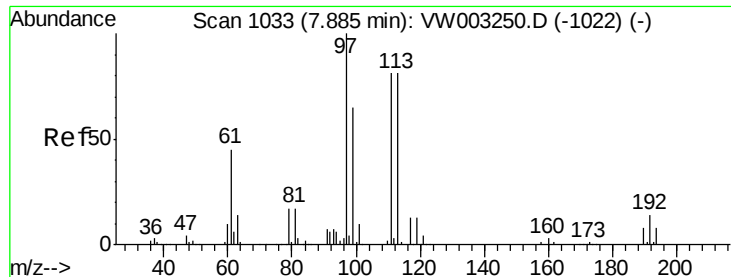
Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.0

88 16.0 0.0 29.6

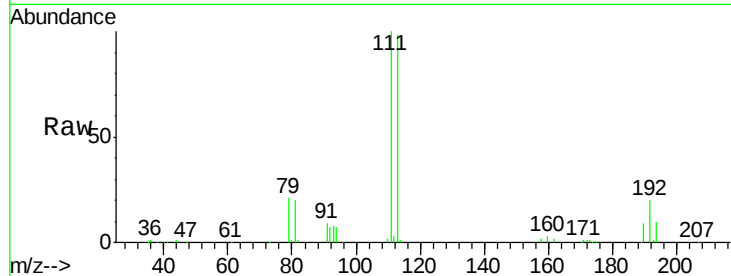




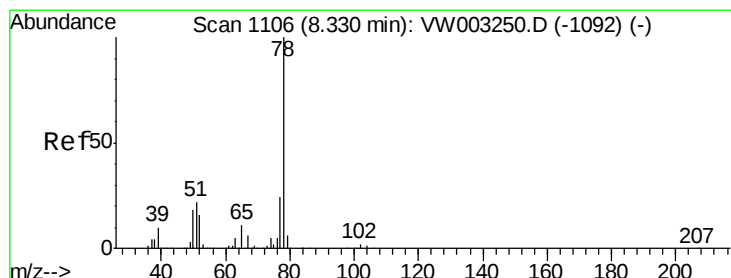
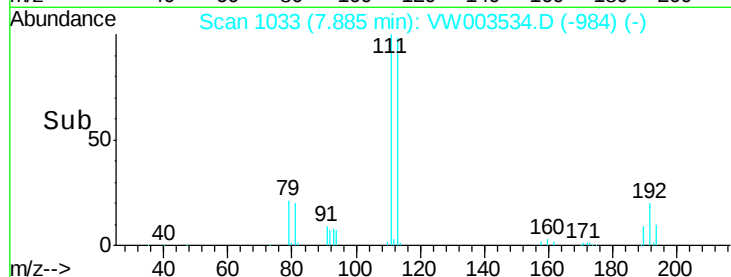
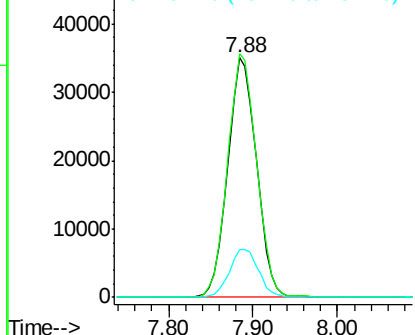
#35
 Dibromofluoromethane
 Concen: 53.36 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003534.D
 Acq: 25 Jun 2018 03:34

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-29-31-180620

Tot Ion:113 Resp: 81276
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.2
 192 20.1 16.2 24.2

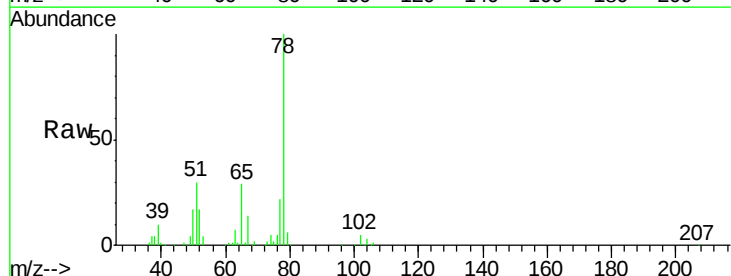


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

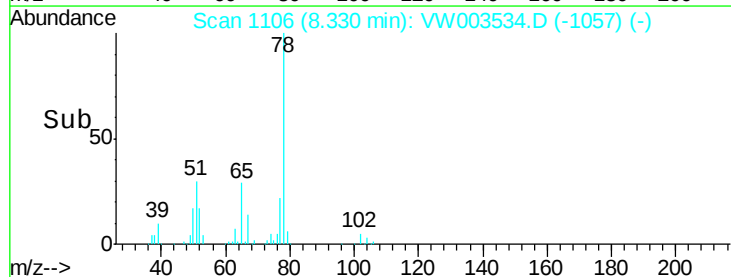
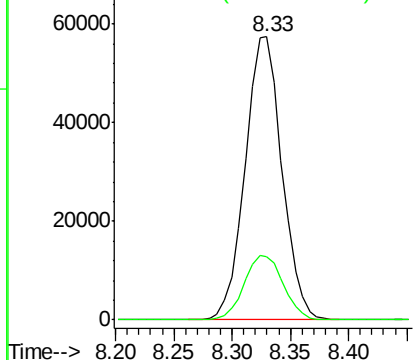


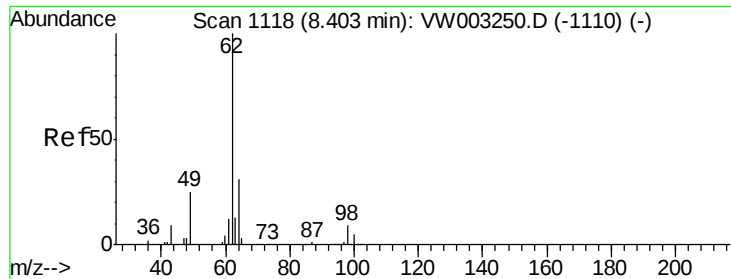
#40
 Benzene
 Concen: 19.34 ug/l
 RT: 8.33 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VW003534.D
 Acq: 25 Jun 2018 03:34

Tgt Ion: 78 Resp: 126222
 Ion Ratio Lower Upper
 78 100
 77 22.3 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
 Ion 77.00 (76.70 to 77.70): VW





#42

1,2-Dichloroethane

Concen: 5.01 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003534.D

Acq: 25 Jun 2018 03:34

Instrument :

MSVOA_W

ClientSampleId :

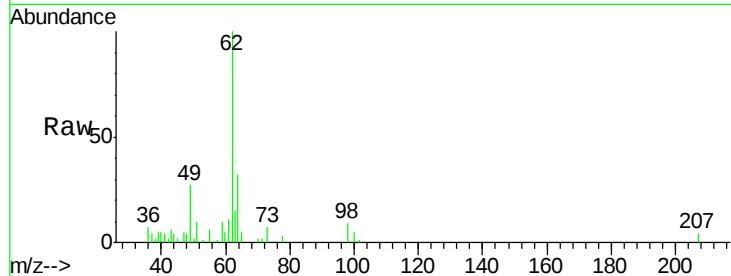
WP021SB474-29-31-180620

Tot Ion: 62 Resp: 10243

Ion Ratio Lower Upper

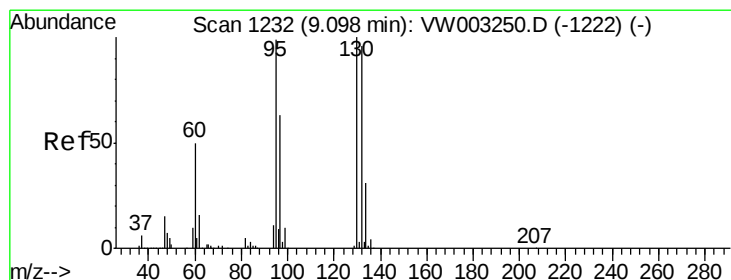
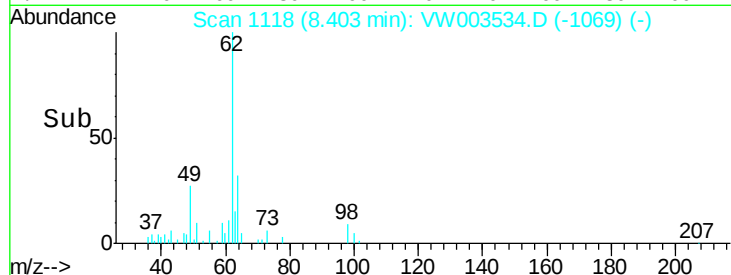
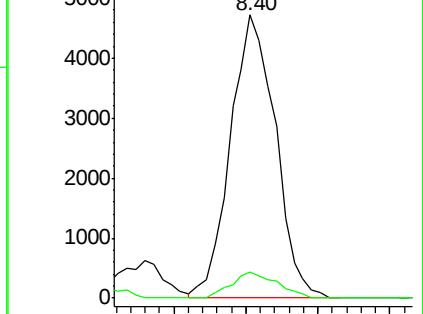
62 100

98 9.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#44

Trichloroethene

Concen: 10429.15 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003534.D

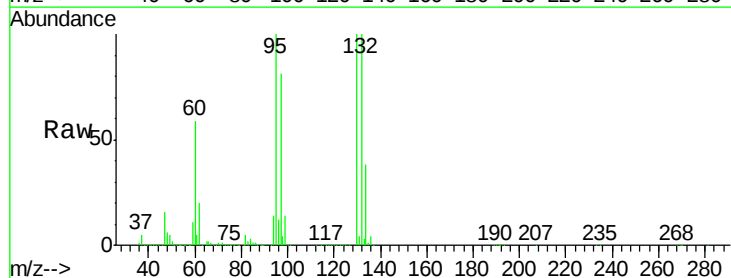
Acq: 25 Jun 2018 03:34

Tgt Ion:130 Resp:18033085

Ion Ratio Lower Upper

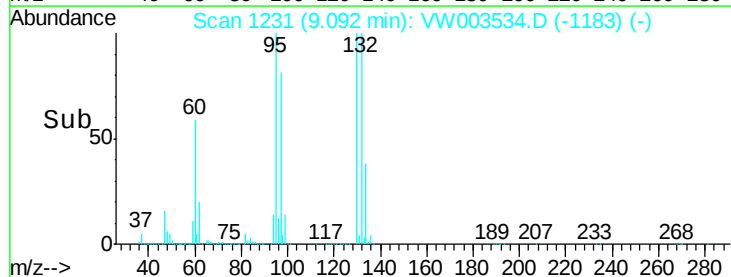
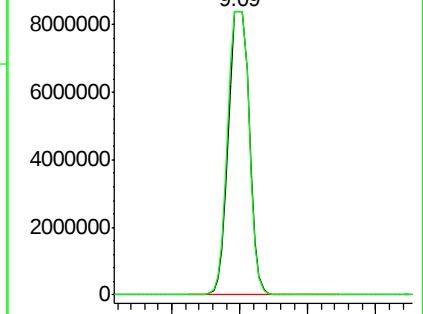
130 100

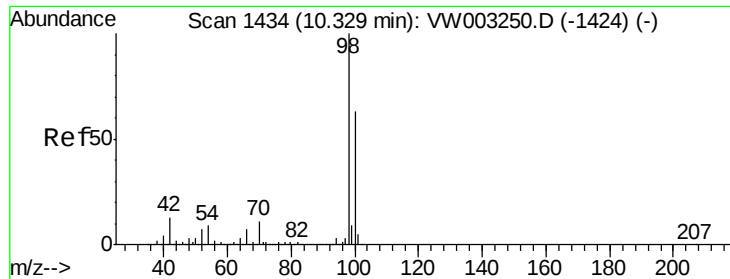
95 100.0 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#50

Toluene-d8

Concen: 46.59 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003534.D

Acq: 25 Jun 2018 03:34

Instrument :

MSVOA_W

ClientSampleId :

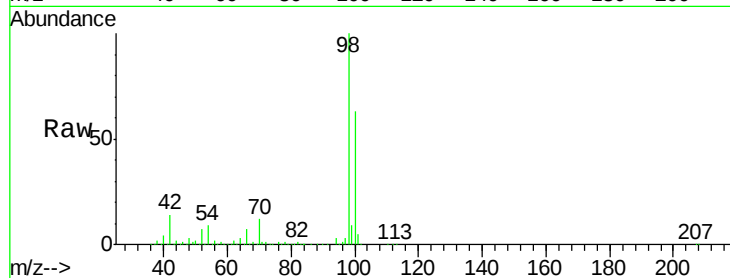
WP021SB474-29-31-180620

Tot Ion: 98 Resp: 281397

Ion Ratio Lower Upper

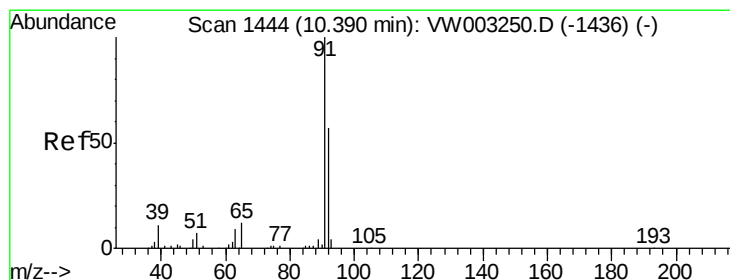
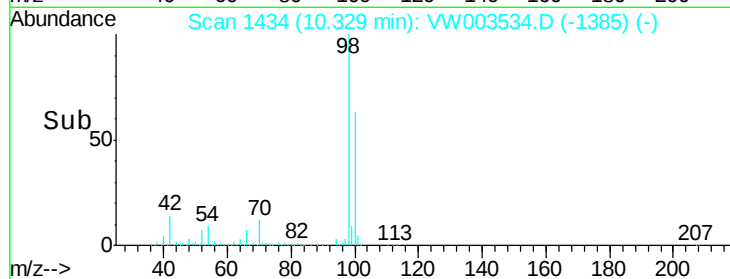
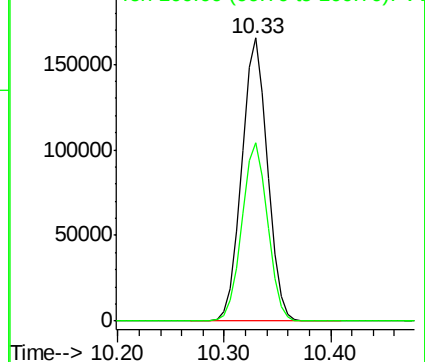
98 100

100 62.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 5.63 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003534.D

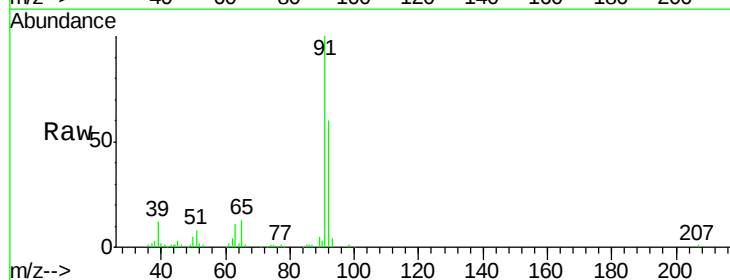
Acq: 25 Jun 2018 03:34

Tgt Ion: 92 Resp: 23564

Ion Ratio Lower Upper

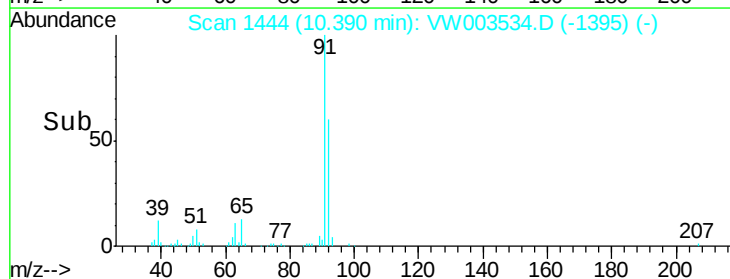
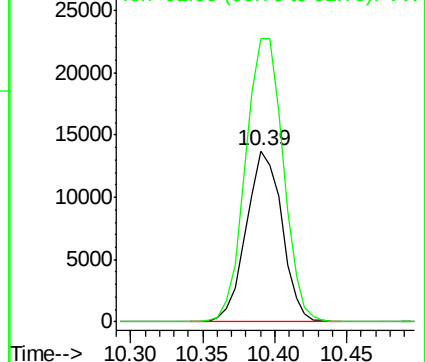
92 100

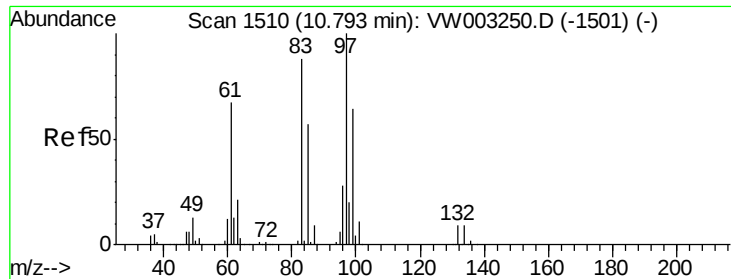
91 174.7 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#55

1,1,2-Trichloroethane

Concen: 8.31 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003534.D

Acq: 25 Jun 2018 03:34

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-29-31-180620

Tot Ion: 97 Resp: 9960

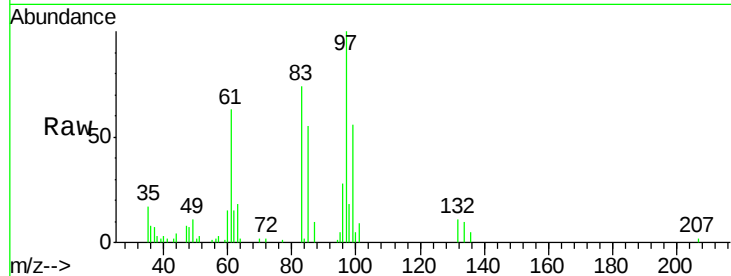
Ion	Ratio	Lower	Upper
97	100		
83	74.2	70.2	105.2
85	54.7	45.6	68.4
99	56.2	51.2	76.8

97 100

83 74.2 70.2 105.2

85 54.7 45.6 68.4

99 56.2 51.2 76.8



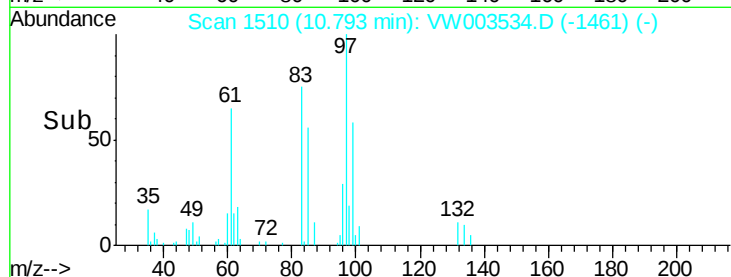
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

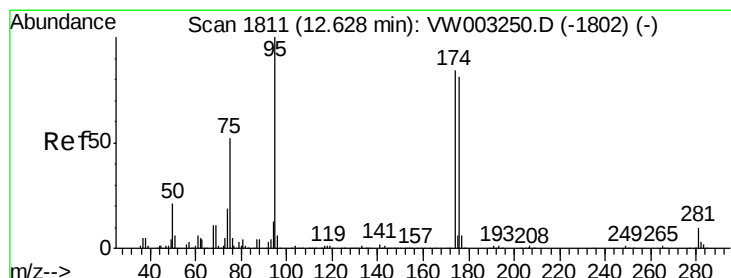
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 49.00 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003534.D

Acq: 25 Jun 2018 03:34

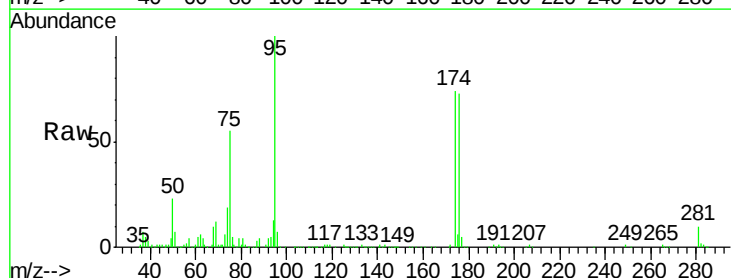
Tgt Ion: 95 Resp: 104729

Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	166.4
176	79.9	0.0	162.0

95 100

174 83.2 0.0 166.4

176 79.9 0.0 162.0

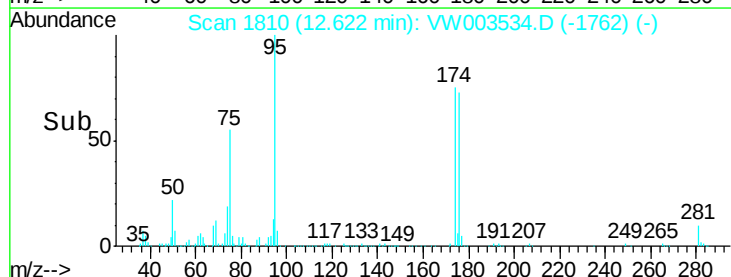


Abundance Ion 94.90 (94.60 to 95.60): VW

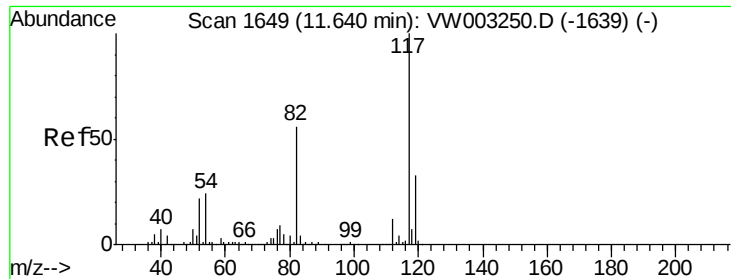
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->



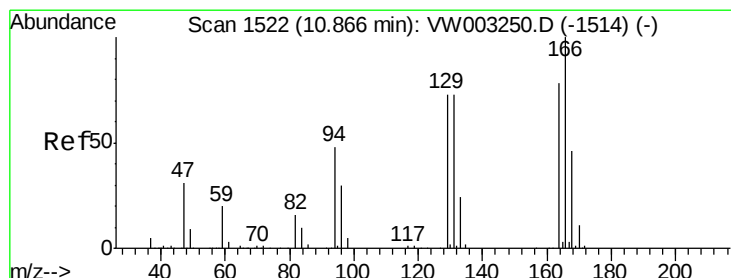
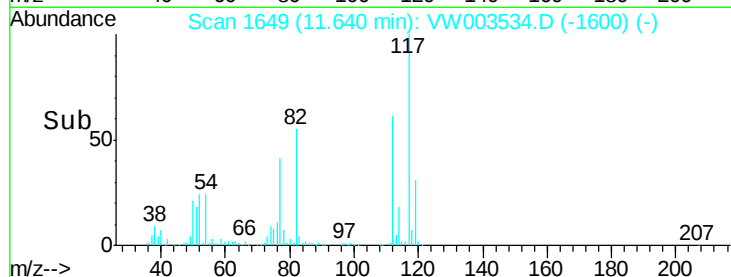
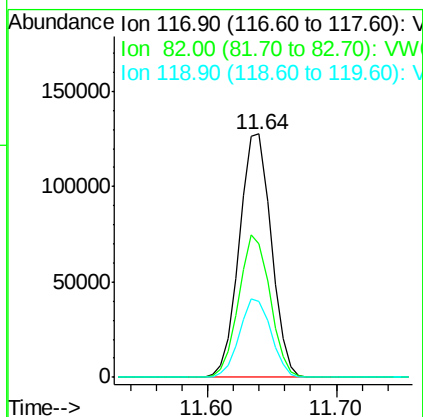
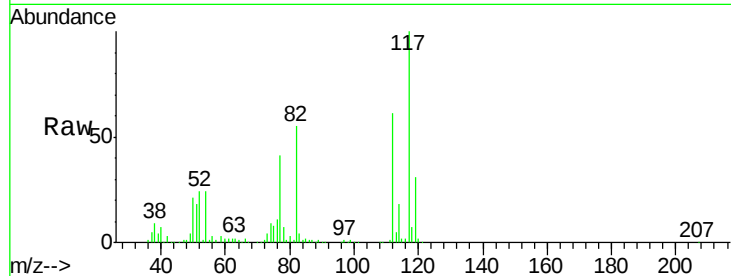
Time-->



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003534.D
Acq: 25 Jun 2018 03:34

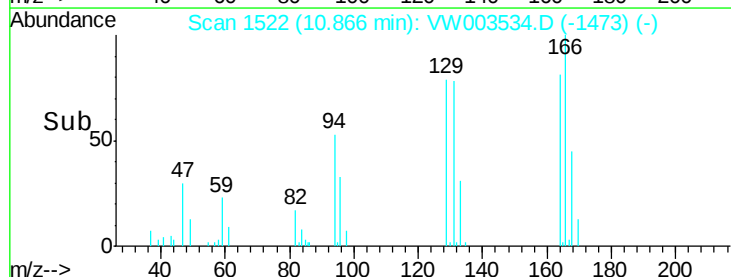
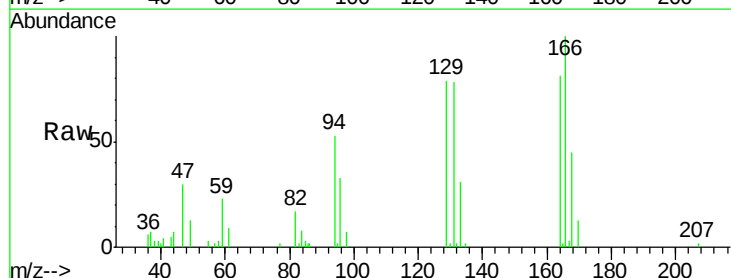
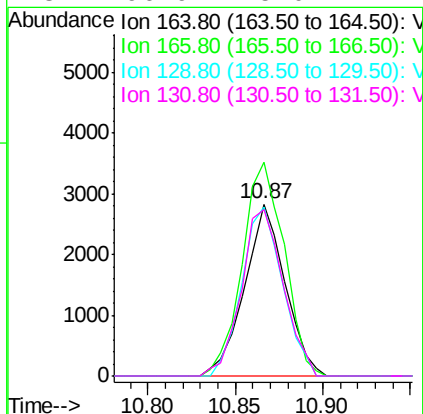
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-29-31-180620

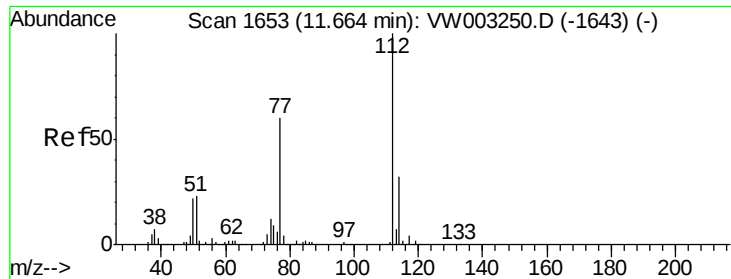
Tot Ion:117 Resp: 219229
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 31.4 26.7 40.1



#64
Tetrachloroethene
Concen: 3.11 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003534.D
Acq: 25 Jun 2018 03:34

Tgt Ion:164 Resp: 4563
Ion Ratio Lower Upper
164 100
166 124.1 102.6 154.0
129 98.2 75.2 112.8
131 96.9 75.0 112.4





#65

Chlorobenzene

Concen: 221.59 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003534.D

Acq: 25 Jun 2018 03:34

Instrument :

MSVOA_W

ClientSampleId :

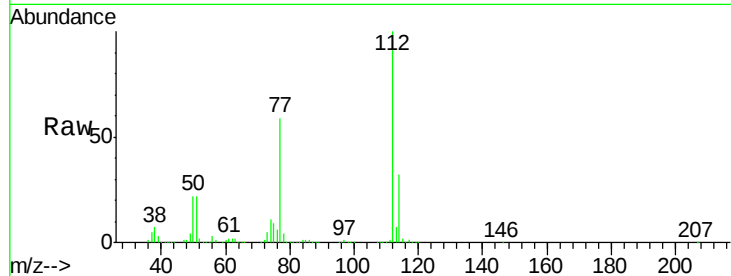
WP021SB474-29-31-180620

Tot Ion:112 Resp: 1011624

Ion Ratio Lower Upper

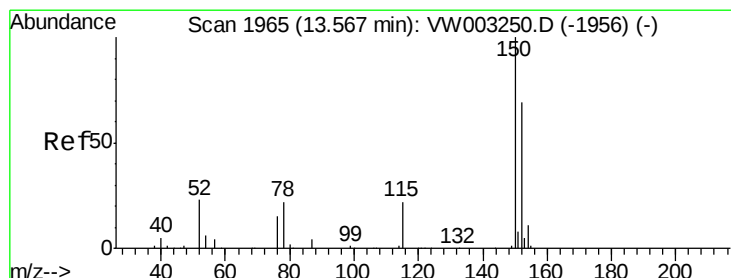
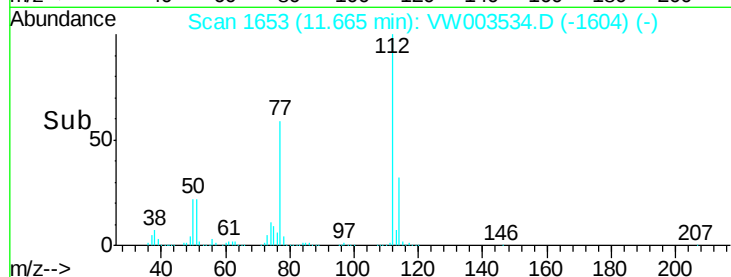
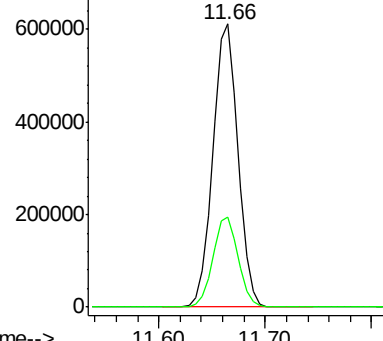
112 100

114 31.8 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: VW003534.D

Acq: 25 Jun 2018 03:34

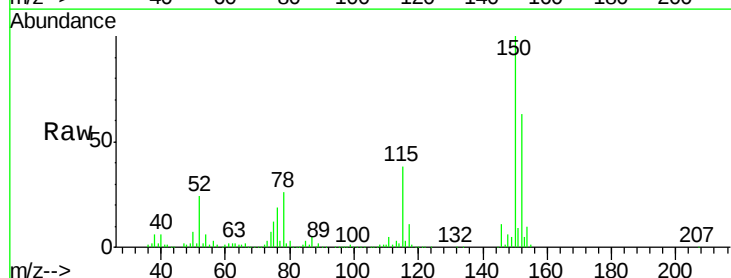
Tgt Ion:152 Resp: 107649

Ion Ratio Lower Upper

152 100

115 59.4 29.3 88.0

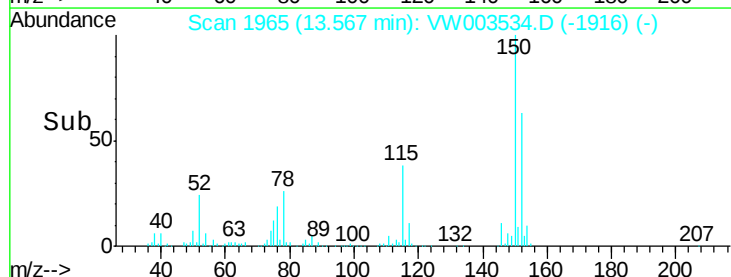
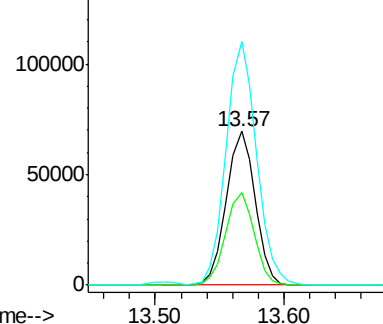
150 167.1 0.0 349.6

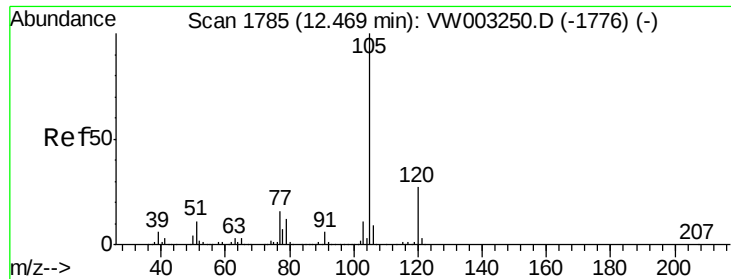


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.00 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003534.D

Acq: 25 Jun 2018 03:34

Instrument :

MSVOA_W

ClientSampleId :

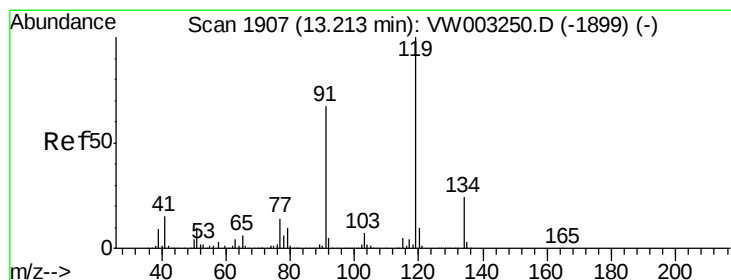
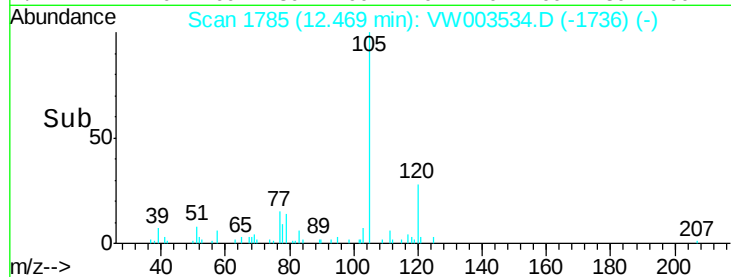
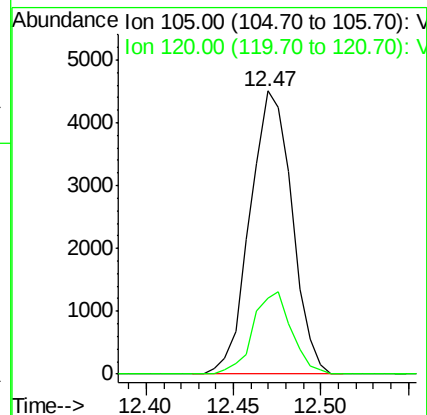
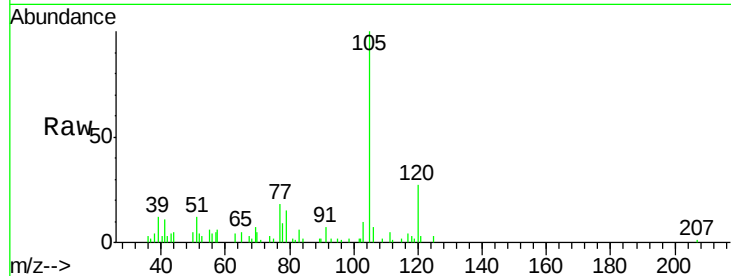
WP021SB474-29-31-180620

Tot Ion:105 Resp: 7523

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#83

tert-Butylbenzene

Concen: 1.06 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW003534.D

Acq: 25 Jun 2018 03:34

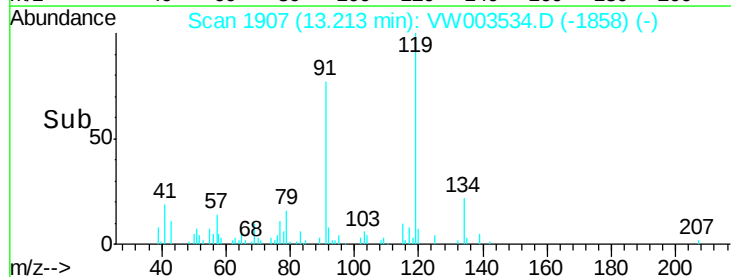
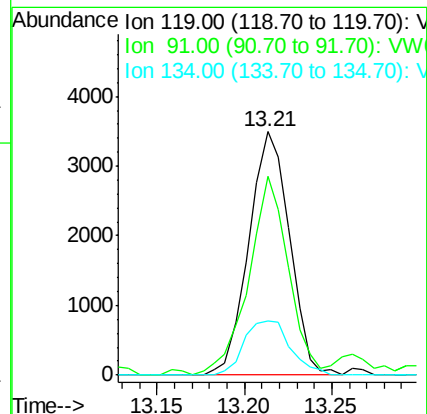
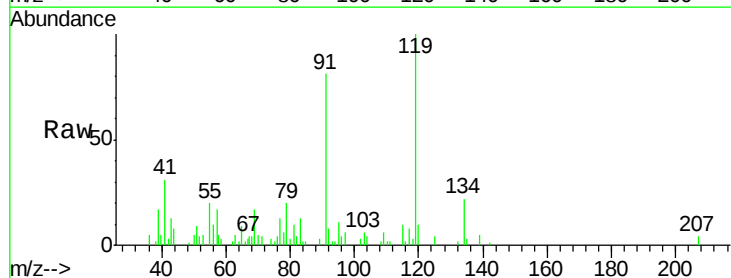
Tgt Ion:119 Resp: 5652

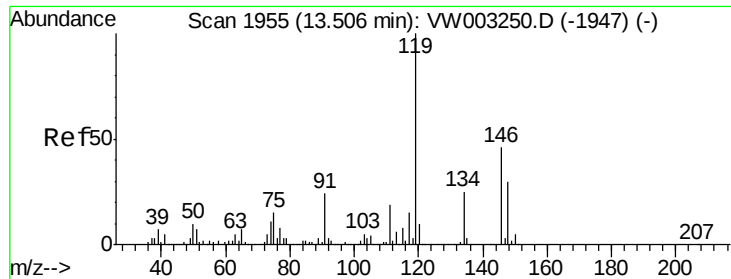
Ion Ratio Lower Upper

119 100

91 79.5 33.9 101.7

134 25.7 13.4 40.1

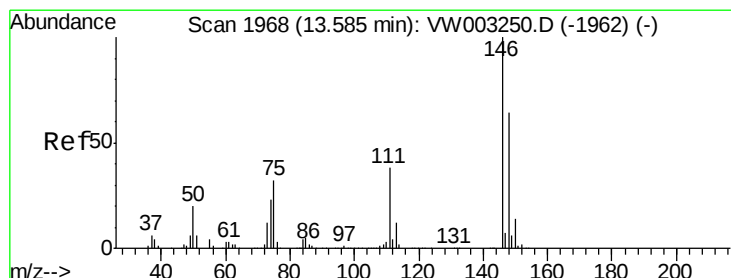
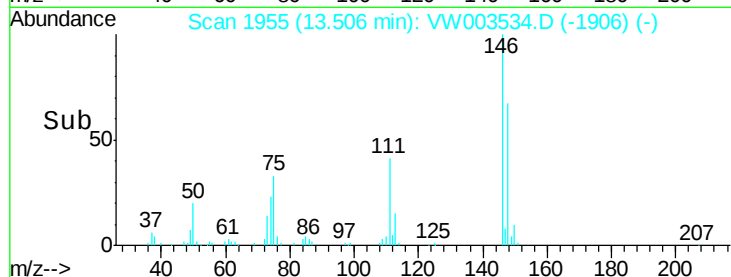
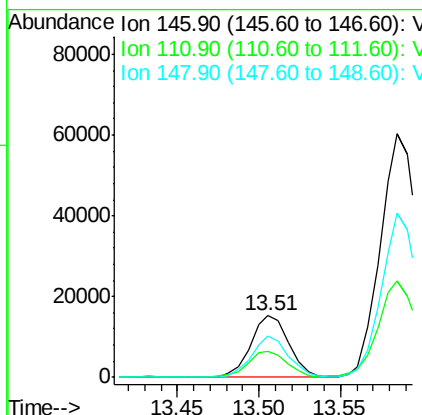
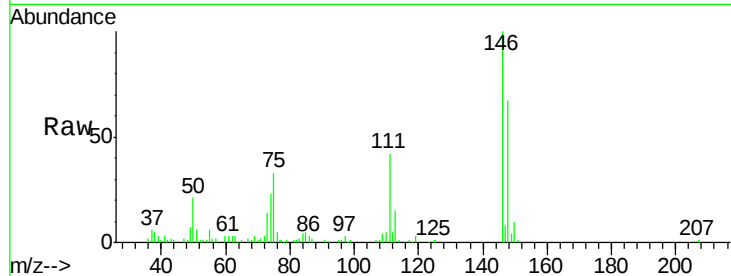




#87
 1,3-Dichlorobenzene
 Concen: 6.95 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003534.D
 Acq: 25 Jun 2018 03:34

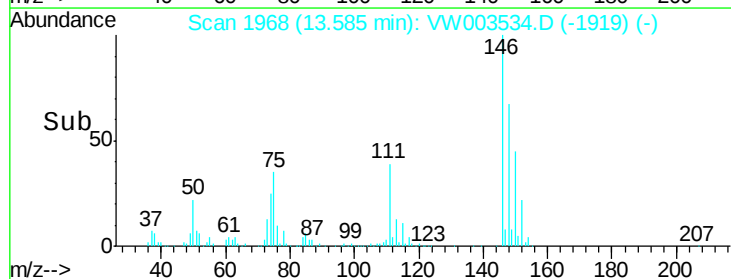
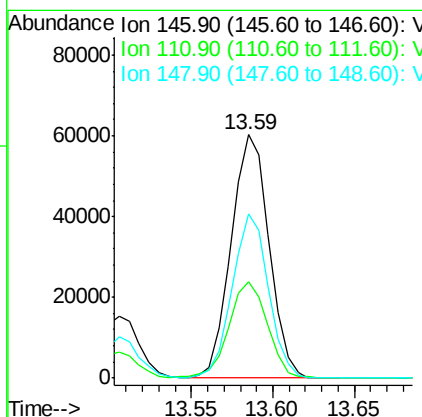
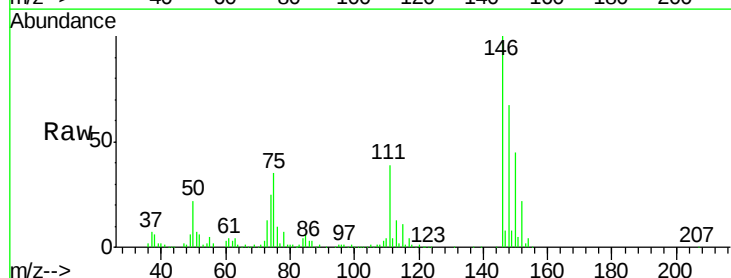
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-29-31-180620

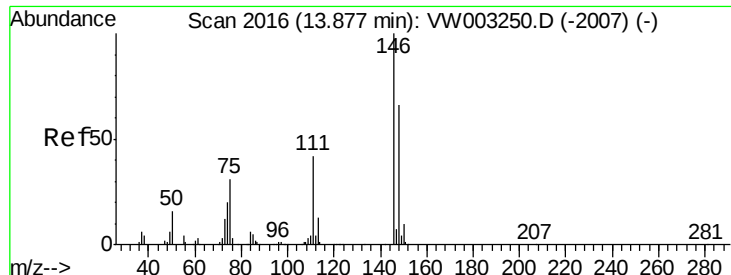
Tot Ion:146 Resp: 24881
 Ion Ratio Lower Upper
 146 100
 111 44.5 19.8 59.4
 148 64.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 27.37 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003534.D
 Acq: 25 Jun 2018 03:34

Tgt Ion:146 Resp: 97473
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.2 57.6
 148 64.4 31.8 95.4





#91

1,2-Dichlorobenzene

Concen: 85.41 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003534.D

Acq: 25 Jun 2018 03:34

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-29-31-180620

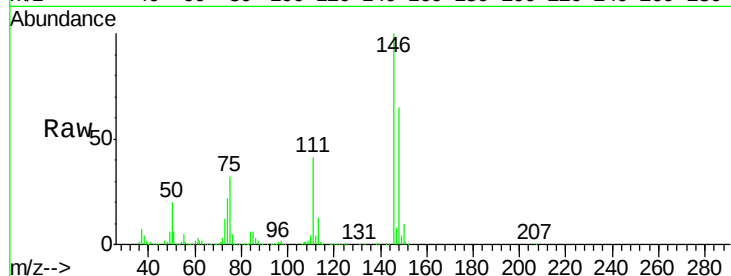
Tot Ion:146 Resp: 267995

Ion Ratio Lower Upper

146 100

111 40.9 20.3 61.0

148 63.0 32.3 96.9



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

