

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003535.D
 Acq On : 25 Jun 2018 04:00
 Operator : SY/AP
 Sample : J3669-30
 Misc : 6.61G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-31-33-180620

Quant Time: Jun 25 06:35:09 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

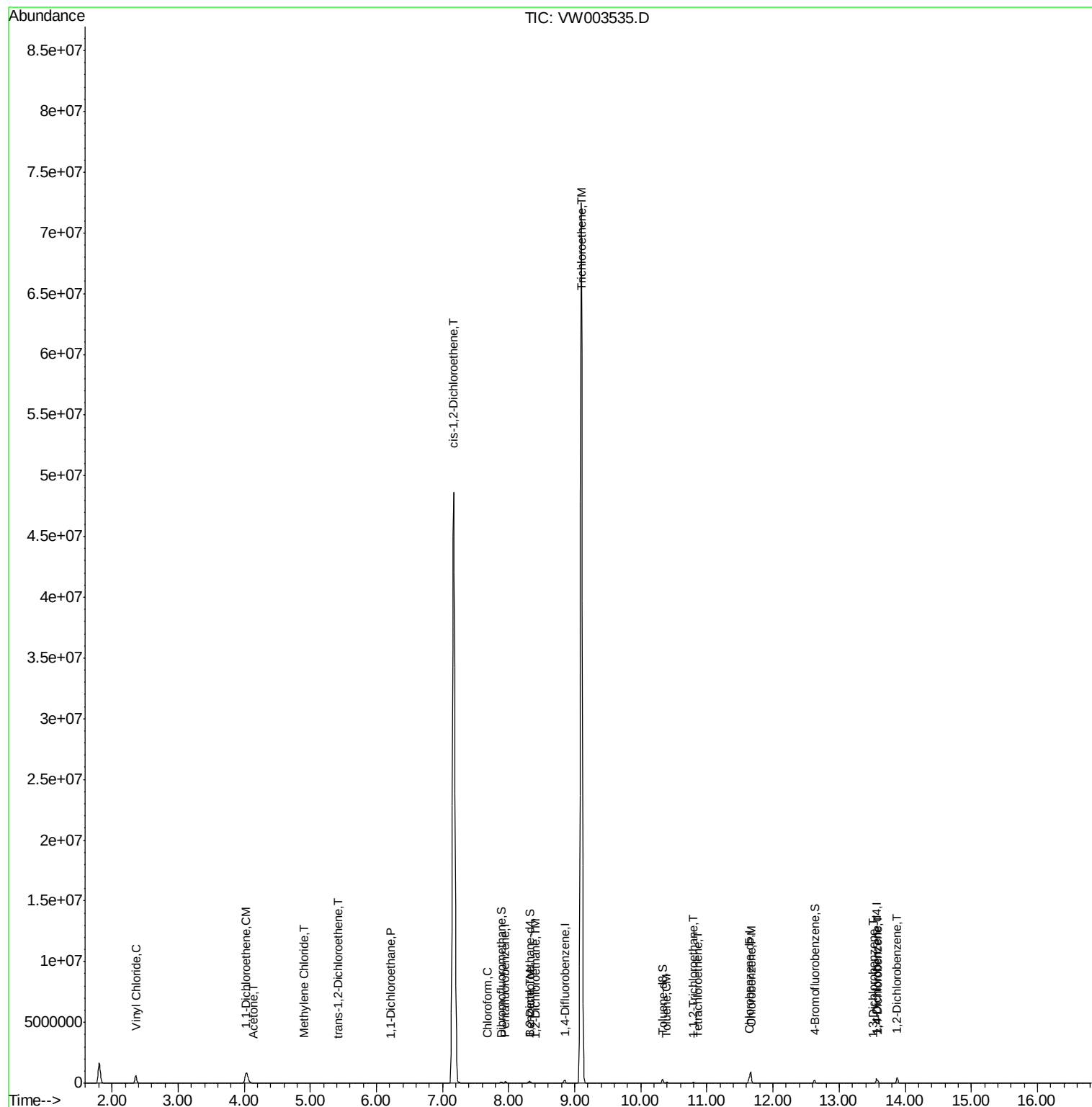
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	88713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	176880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	175778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	84020	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	76684	79.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	159.60%	
35) Dibromofluoromethane	7.89	113	63533	57.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.62%	
50) Toluene-d8	10.33	98	192400	44.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.30%	
62) 4-Bromofluorobenzene	12.63	95	76941	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.36	62	733975	743.00	ug/l	98
12) 1,1-Dichloroethene	4.03	96	535892	667.31	ug/l	96
16) Acetone	4.15	43	5230	25.95	ug/l	91
20) Methylene Chloride	4.91	84	22304	24.16	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	12085	13.83	ug/l	97
24) 1,1-Dichloroethane	6.21	63	21662	13.03	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	26013977	27094.64	ug/l #	14
30) Chloroform	7.68	83	20237	11.95	ug/l	96
40) Benzene	8.33	78	71559	15.20	ug/l	98
42) 1,2-Dichloroethane	8.40	62	13847	9.39	ug/l	99
44) Trichloroethene	9.09	130	21782784	17458.91	ug/l	99
52) Toluene	10.39	92	25188	8.34	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	14573	16.85	ug/l	96
64) Tetrachloroethene	10.87	164	4732	4.02	ug/l	89
65) Chlorobenzene	11.66	112	478283	130.66	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	9987	3.57	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	49193	17.70	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	177333	72.41	ug/l	99

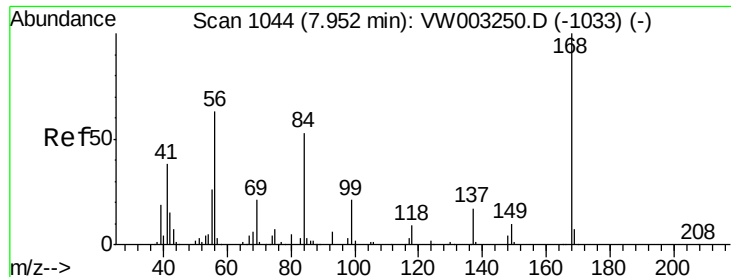
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003535.D

Acq: 25 Jun 2018 04:00

Instrument :

MSVOA_W

ClientSampleId :

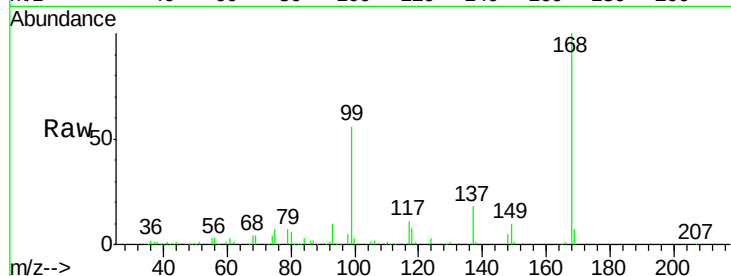
WP021SB474-31-33-180620

Tot Ion:168 Resp: 88713

Ion Ratio Lower Upper

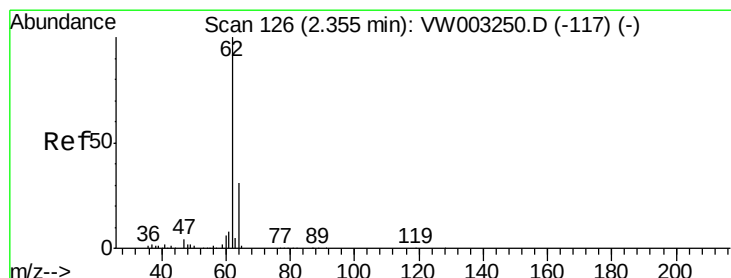
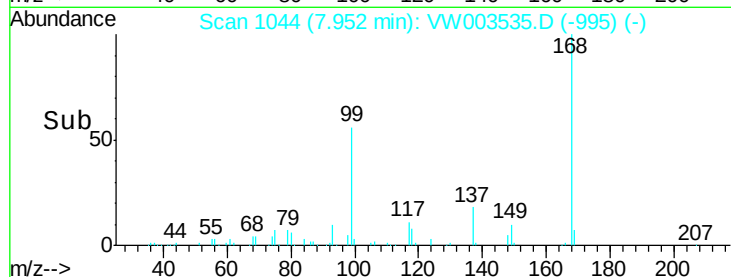
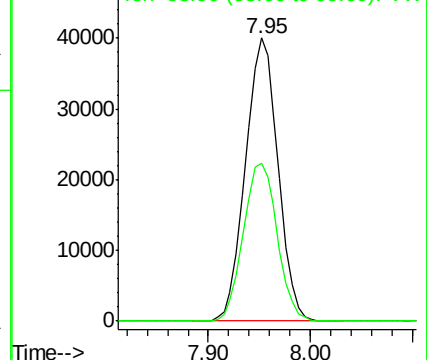
168 100

99 55.6 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: 743.00 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003535.D

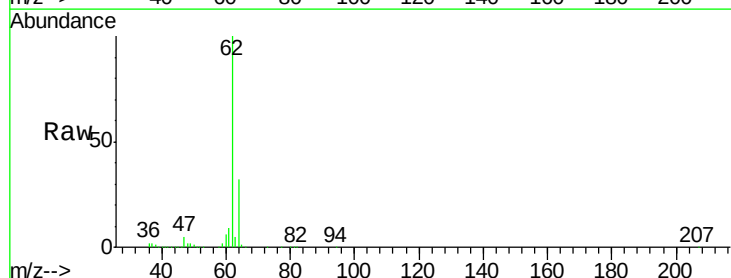
Acq: 25 Jun 2018 04:00

Tgt Ion: 62 Resp: 733975

Ion Ratio Lower Upper

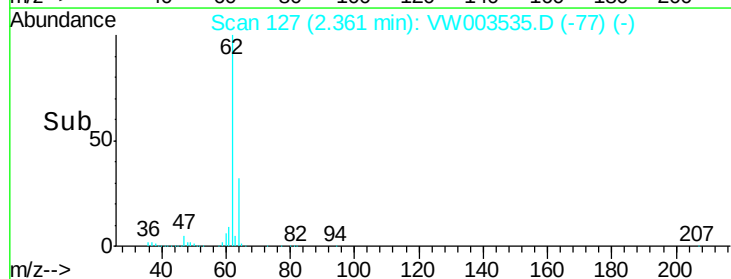
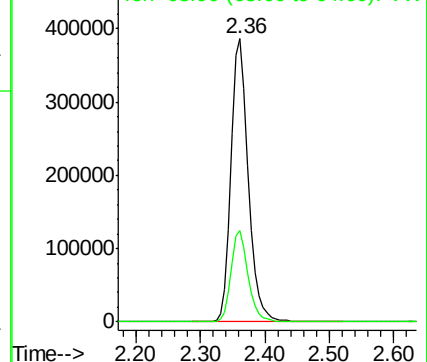
62 100

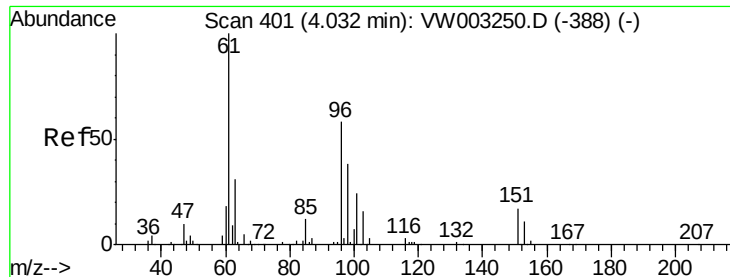
64 32.5 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

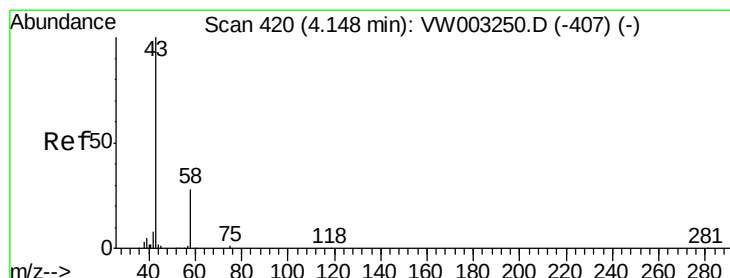
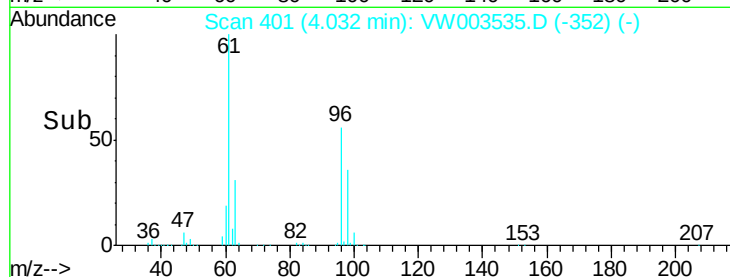
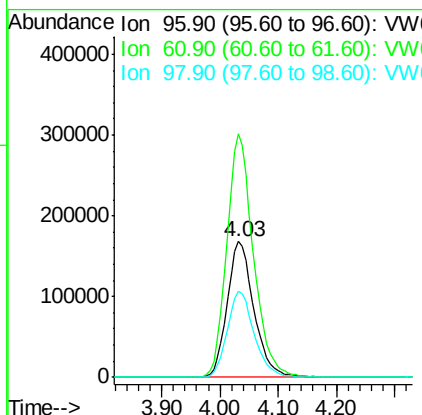
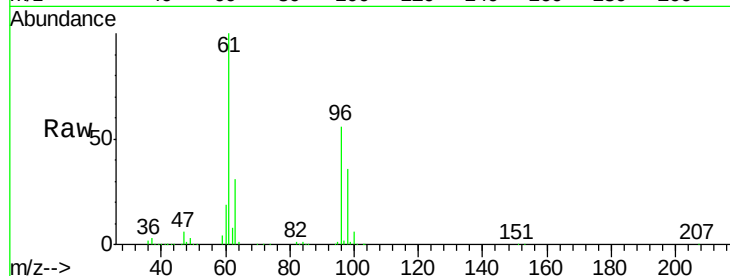




#12
 1,1-Dichloroethene
 Concen: 667.31 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW003535.D
 Acq: 25 Jun 2018 04:00

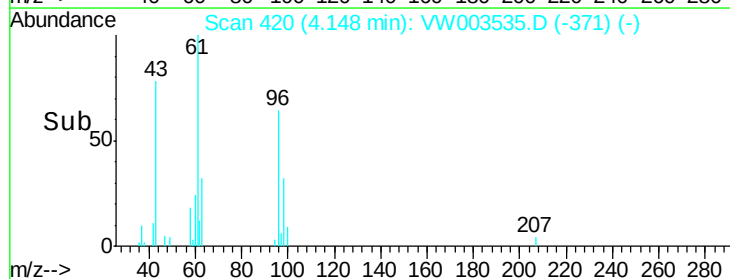
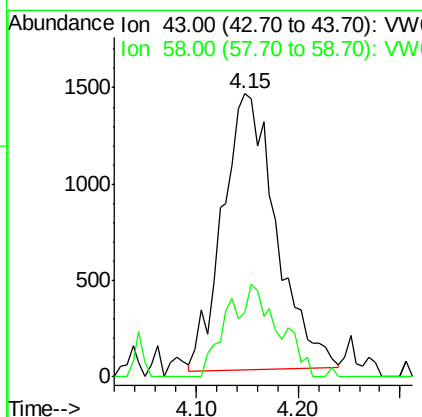
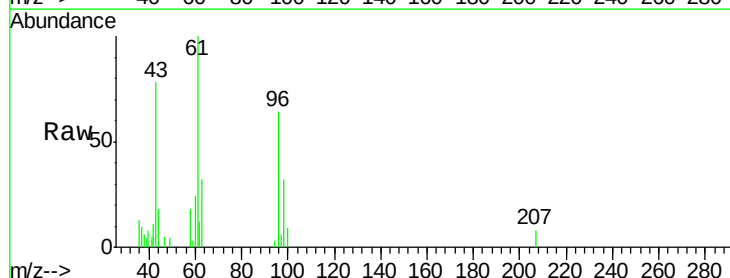
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-31-33-180620

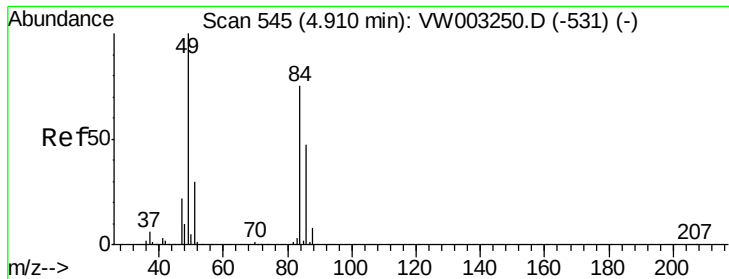
Tot Ion	96	Resp	535892
Ion Ratio	Lower	Upper	
96	100		
61	179.1	139.0	208.4
98	63.7	53.3	79.9



#16
 Acetone
 Concen: 25.95 ug/l
 RT: 4.15 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: VW003535.D
 Acq: 25 Jun 2018 04:00

Tgt Ion	43	Resp	5230
Ion Ratio	Lower	Upper	
43	100		
58	23.7	22.6	34.0

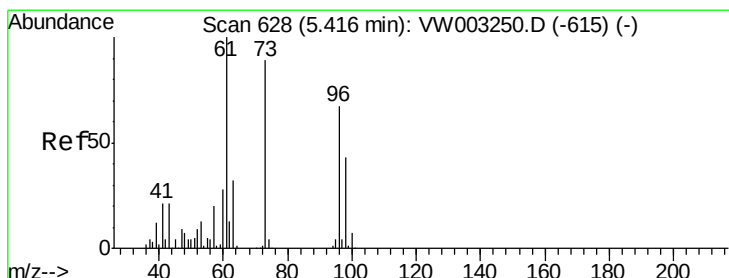
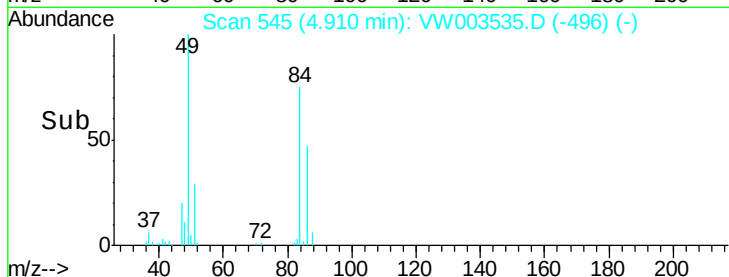
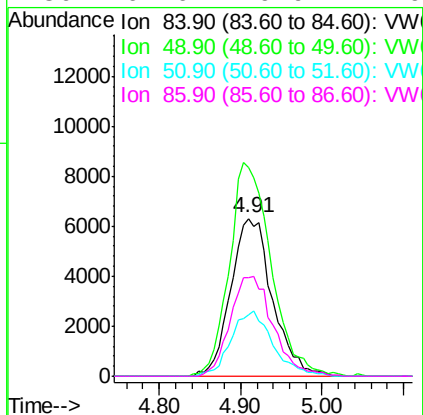
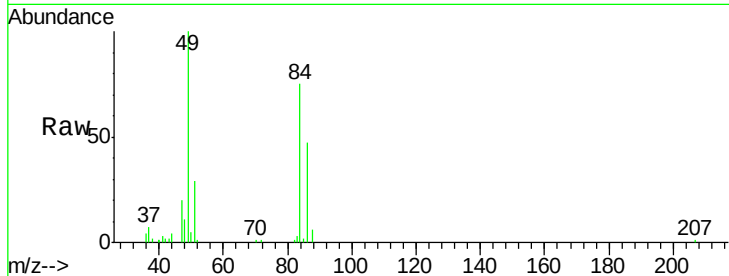




#20
Methylene Chloride
Concen: 24.16 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003535.D
Acq: 25 Jun 2018 04:00

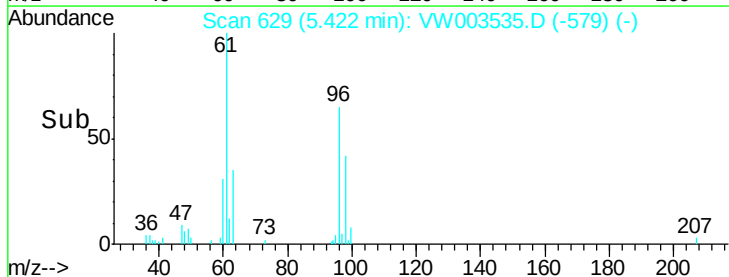
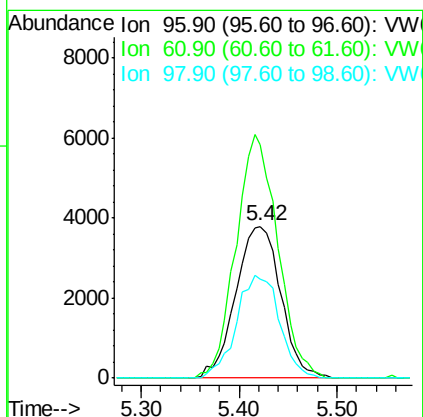
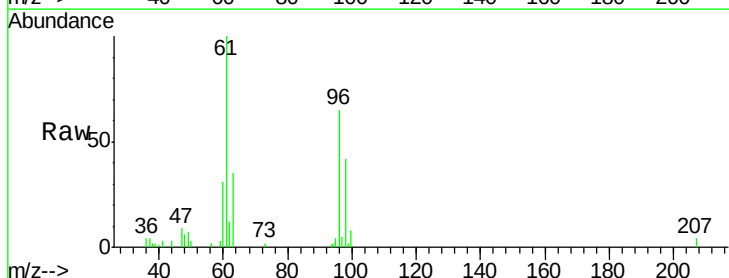
Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-31-33-180620

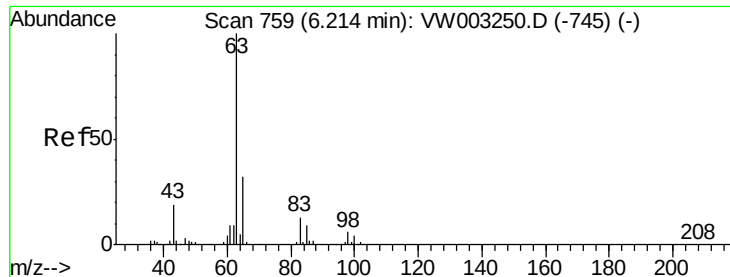
Tot Ion: 84 Resp: 22304
Ion Ratio Lower Upper
84 100
49 132.6 106.3 159.5
51 38.6 32.0 48.0
86 62.6 49.9 74.9



#21
trans-1,2-Dichloroethene
Concen: 13.83 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003535.D
Acq: 25 Jun 2018 04:00

Tgt Ion: 96 Resp: 12085
Ion Ratio Lower Upper
96 100
61 153.9 118.7 178.1
98 64.9 51.0 76.6





#24

1,1-Dichloroethane

Concen: 13.03 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW003535.D

Acq: 25 Jun 2018 04:00

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-31-33-180620

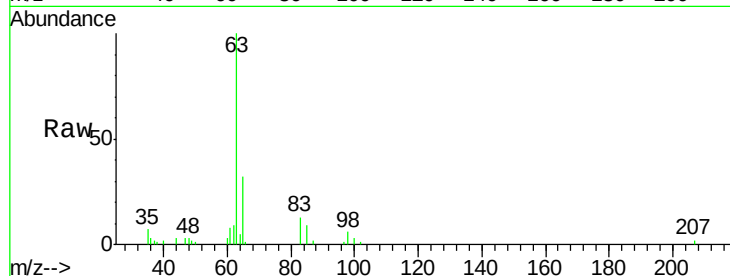
Tot Ion: 63 Resp: 21662

Ion Ratio Lower Upper

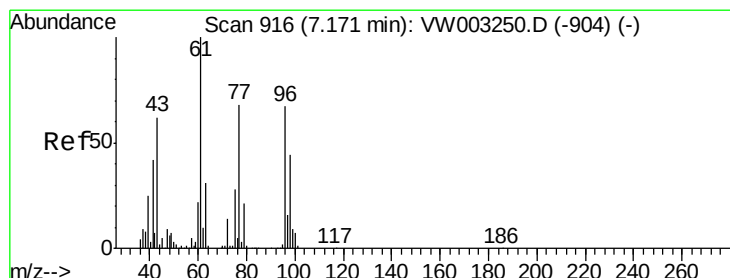
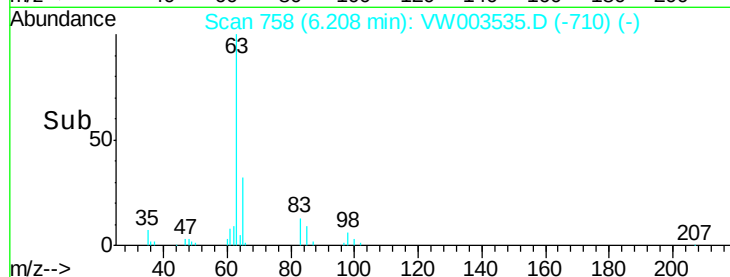
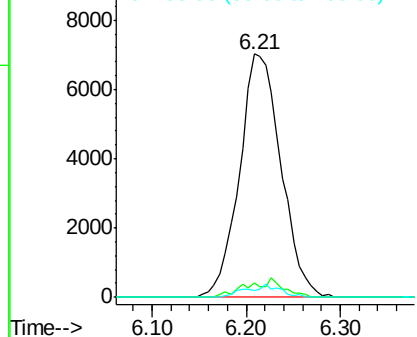
63 100

98 6.2 2.8 8.3

100 2.8 2.1 6.5



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



#27

cis-1,2-Dichloroethene

Concen: 27094.64 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003535.D

Acq: 25 Jun 2018 04:00

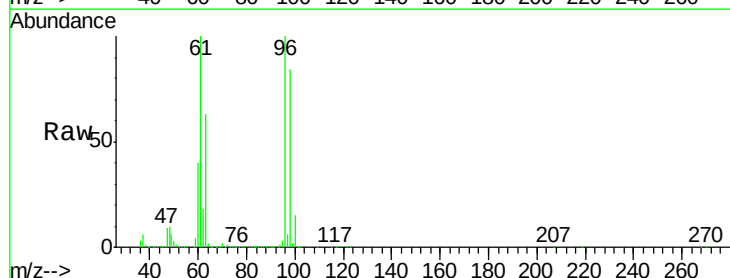
Tgt Ion: 96 Resp: 26013977

Ion Ratio Lower Upper

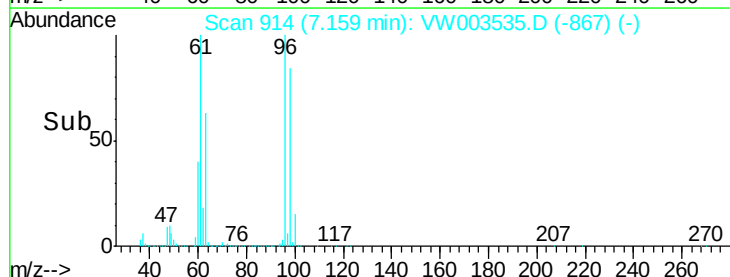
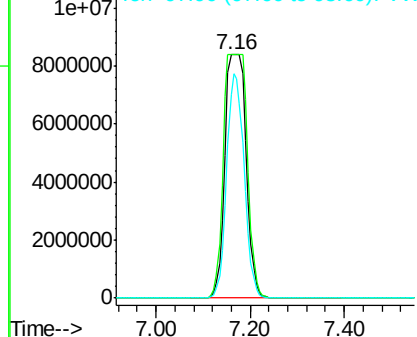
96 100

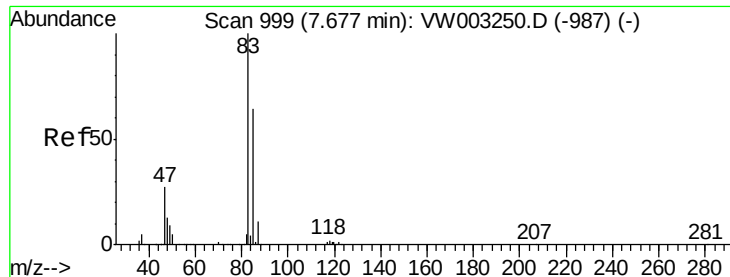
61 0.0 0.0 298.8

98 76.0 0.0 130.4



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

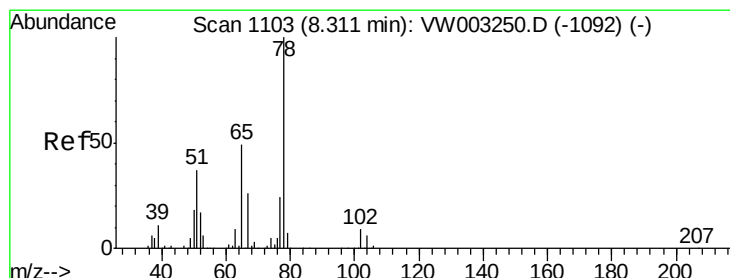
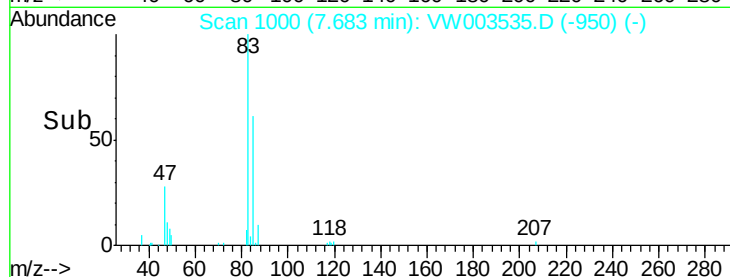
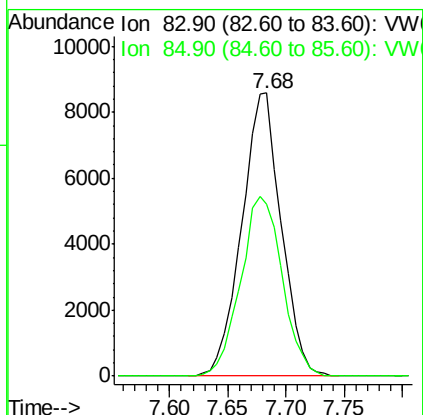
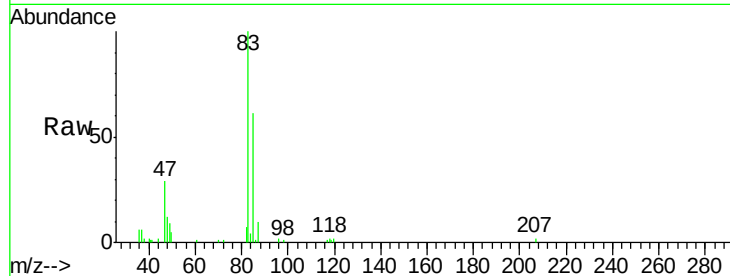




#30
Chloroform
Concen: 11.95 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VW003535.D
Acq: 25 Jun 2018 04:00

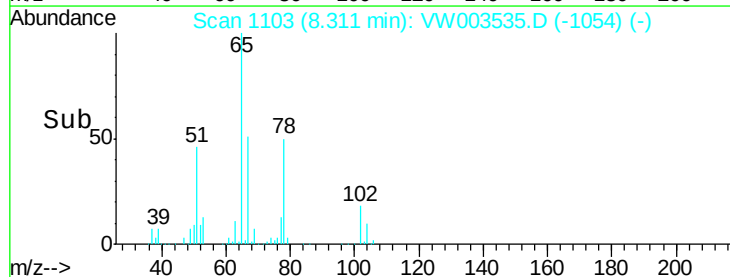
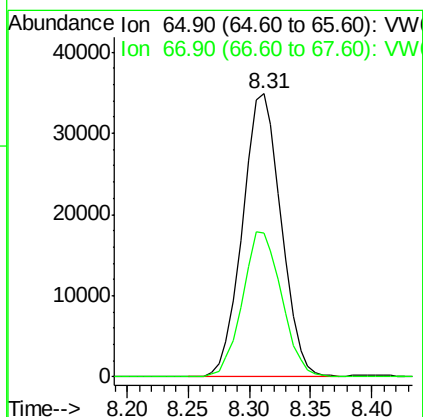
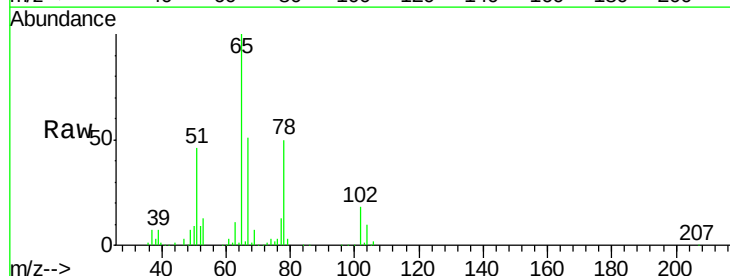
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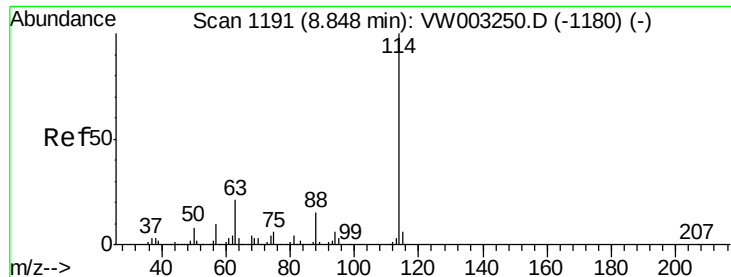
Tot Ion: 83 Resp: 20237
Ion Ratio Lower Upper
83 100
85 61.0 51.3 76.9



#33
1,2-Dichloroethane-d4
Concen: 79.80 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW003535.D
Acq: 25 Jun 2018 04:00

Tgt Ion: 65 Resp: 76684
Ion Ratio Lower Upper
65 100
67 51.8 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: VW003535.D

Acq: 25 Jun 2018 04:00

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-31-33-180620

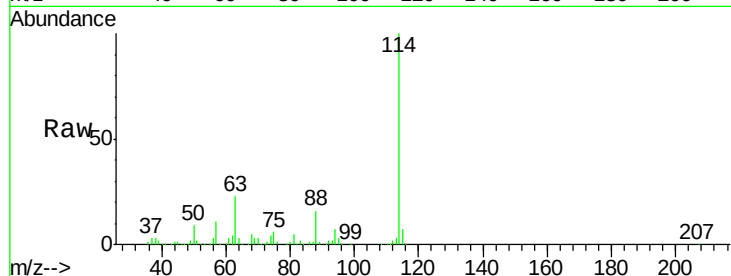
Tot Ion:114 Resp: 176880

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.0

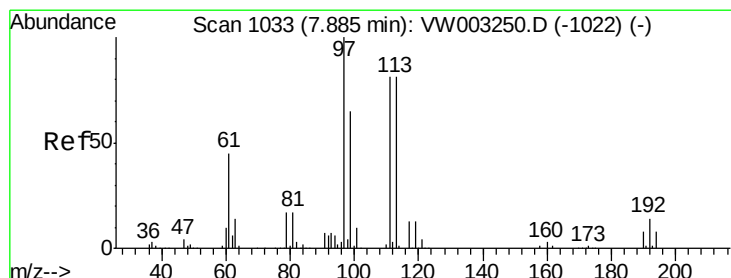
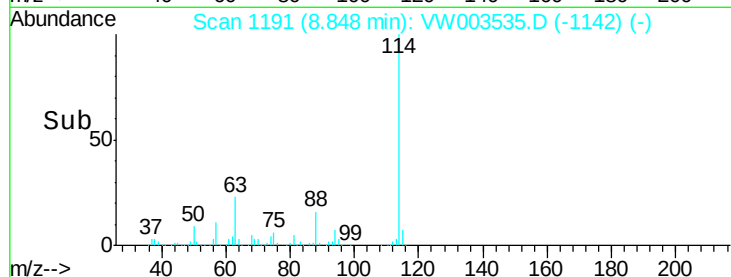
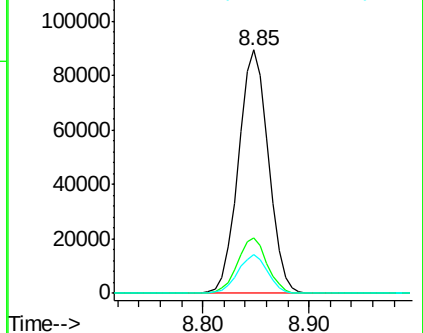
88 15.9 0.0 29.6



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: 57.81 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003535.D

Acq: 25 Jun 2018 04:00

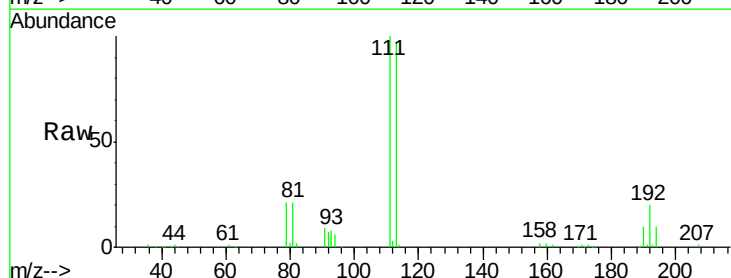
Tgt Ion:113 Resp: 63533

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

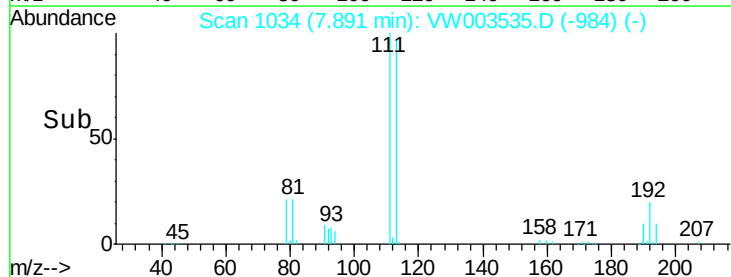
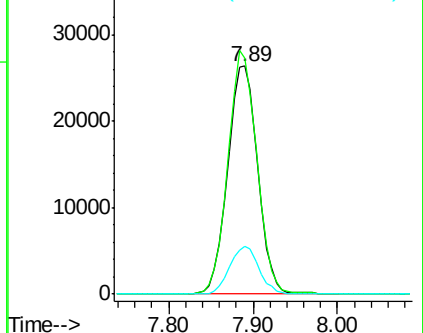
192 20.3 16.2 24.2

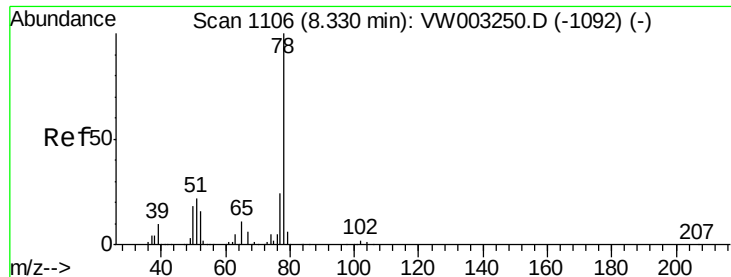


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 15.20 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003535.D

Acq: 25 Jun 2018 04:00

Instrument :

MSVOA_W

ClientSampleId :

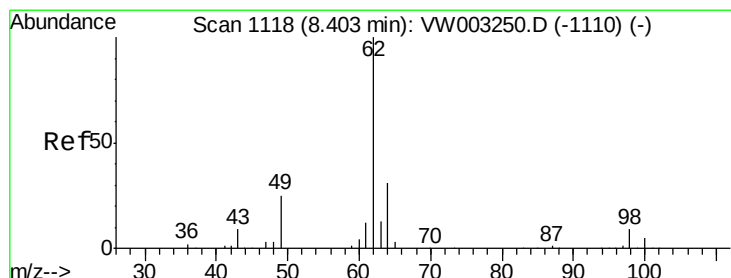
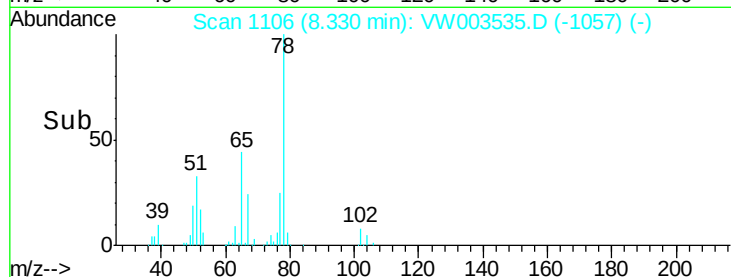
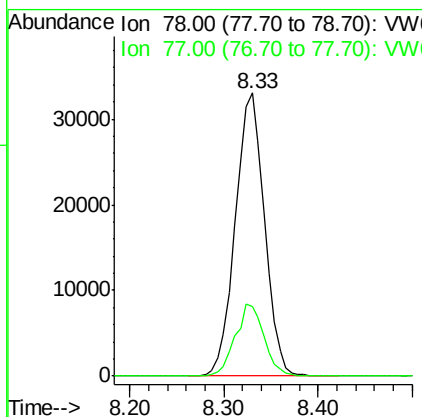
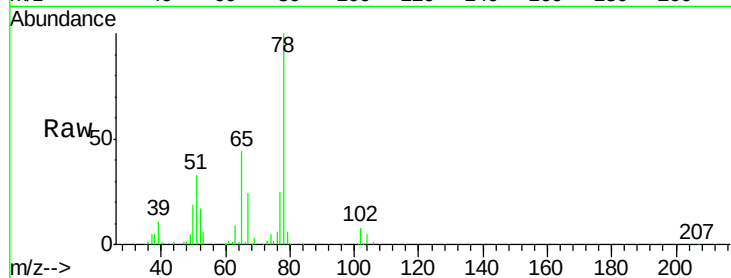
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Tot Ion: 78 Resp: 71559

Ion Ratio Lower Upper

78 100

77 24.6 19.0 28.6



#42

1,2-Dichloroethane

Concen: 9.39 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003535.D

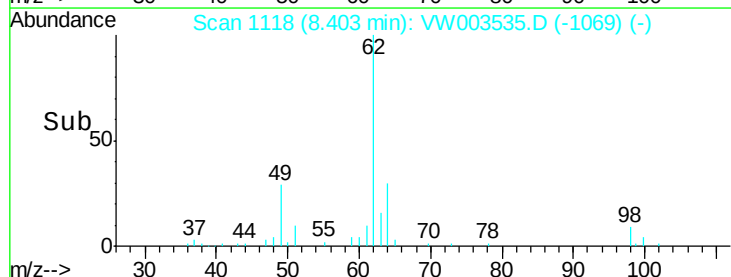
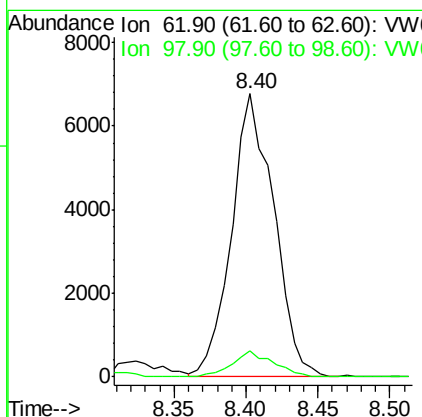
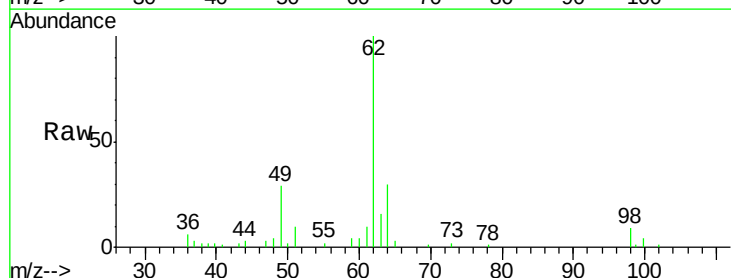
Acq: 25 Jun 2018 04:00

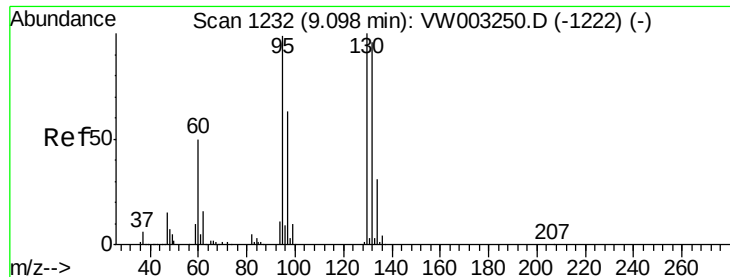
Tgt Ion: 62 Resp: 13847

Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.2





#44

Trichloroethene

Concen: 17458.91 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003535.D

Acq: 25 Jun 2018 04:00

Instrument :

MSVOA_W

ClientSampleId :

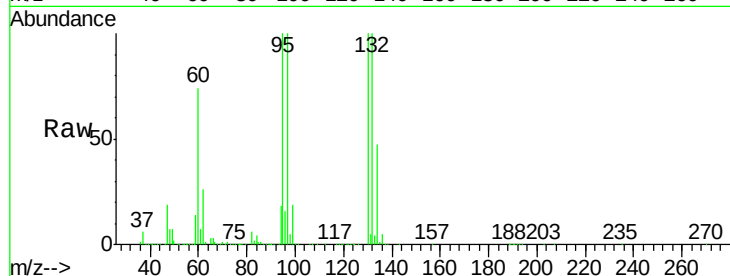
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Tot Ion:130 Resp:21782784

Ion Ratio Lower Upper

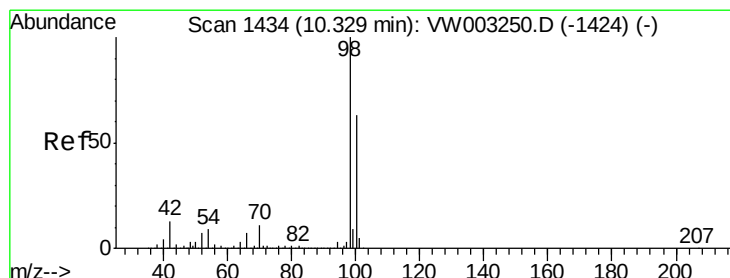
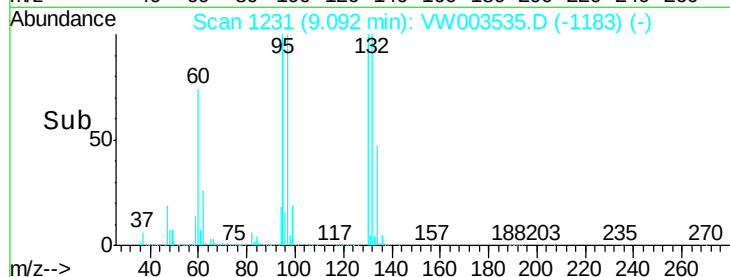
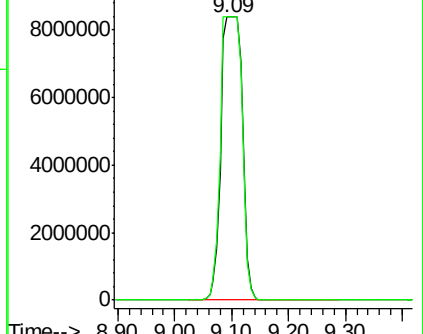
130 100

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: 44.15 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003535.D

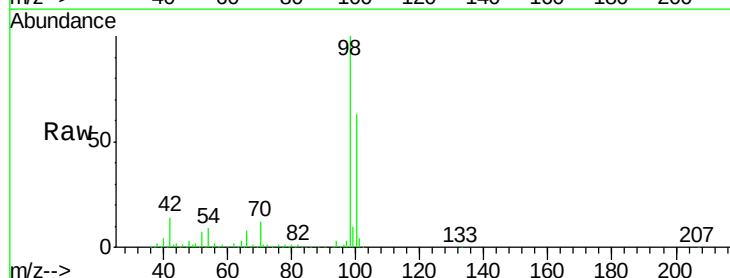
Acq: 25 Jun 2018 04:00

Tgt Ion: 98 Resp: 192400

Ion Ratio Lower Upper

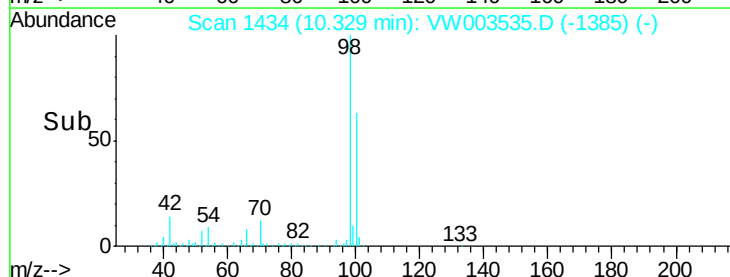
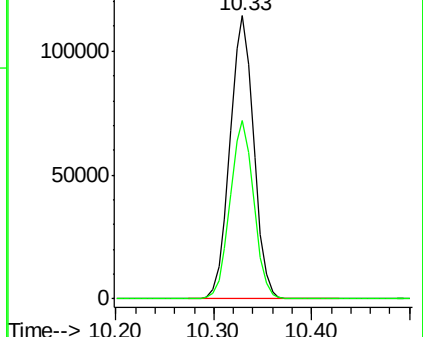
98 100

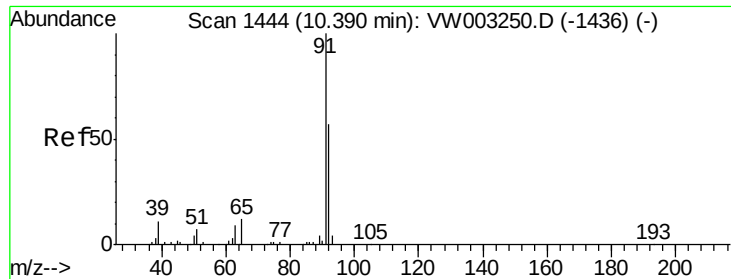
100 62.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 8.34 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003535.D

Acq: 25 Jun 2018 04:00

Instrument :

MSVOA_W

ClientSampleId :

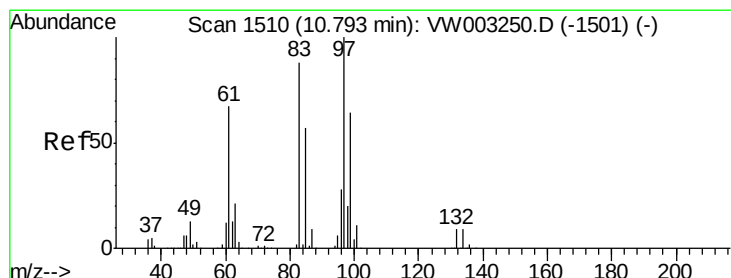
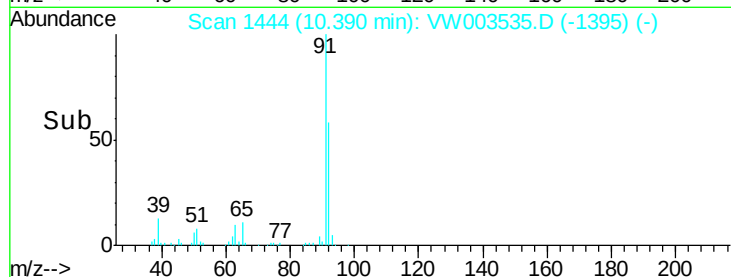
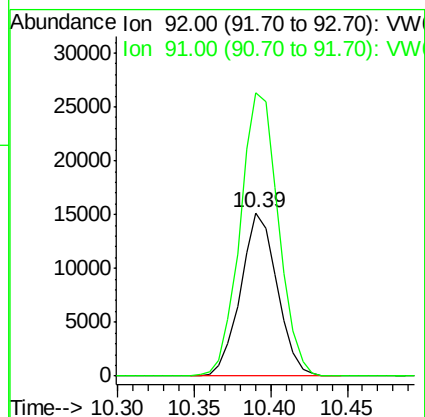
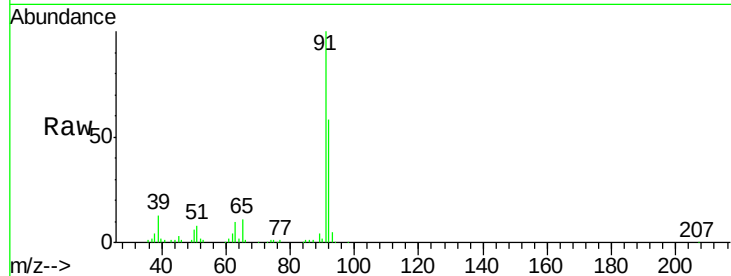
WP021SB474-31-33-180620

Tot Ion: 92 Resp: 25188

Ion Ratio Lower Upper

92 100

91 180.9 141.1 211.7



#55

1,1,2-Trichloroethane

Concen: 16.85 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003535.D

Acq: 25 Jun 2018 04:00

Tgt Ion: 97 Resp: 14573

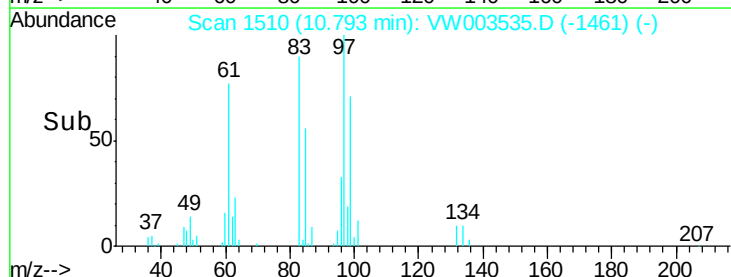
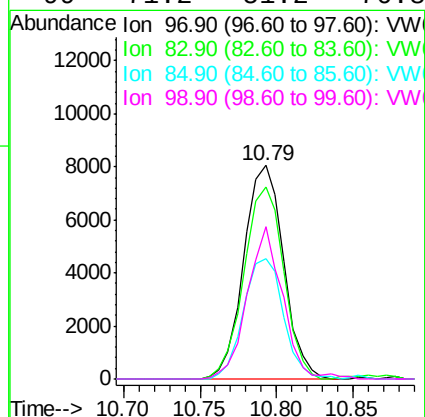
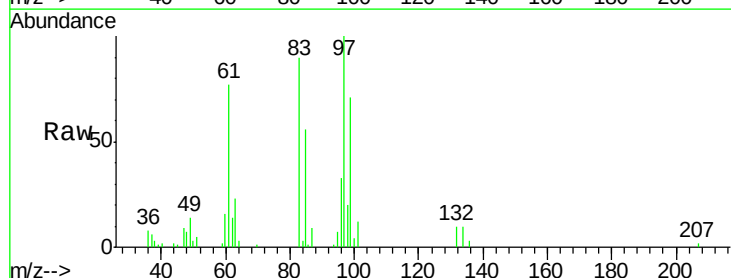
Ion Ratio Lower Upper

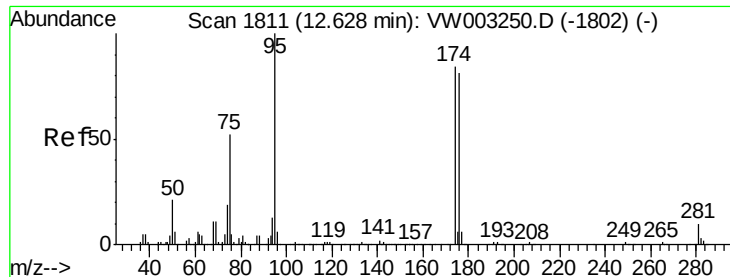
97 100

83 89.7 70.2 105.2

85 56.2 45.6 68.4

99 71.2 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 49.89 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003535.D

Acq: 25 Jun 2018 04:00

Instrument :

MSVOA_W

ClientSampleId :

WP021SB474-31-33-180620

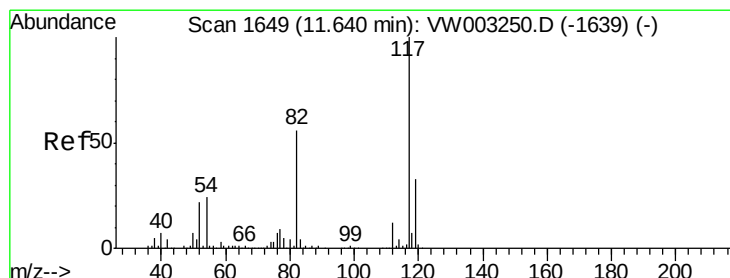
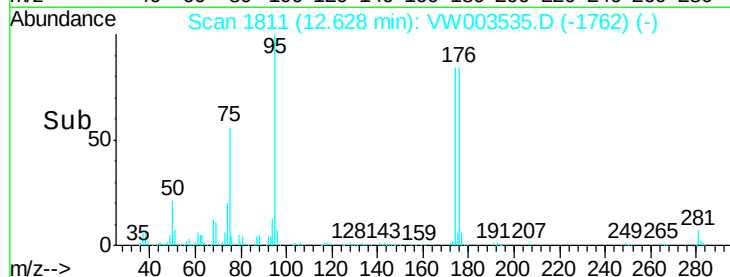
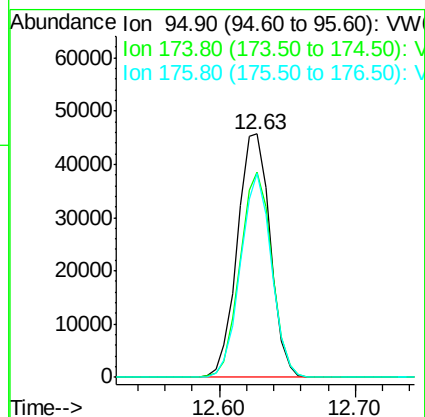
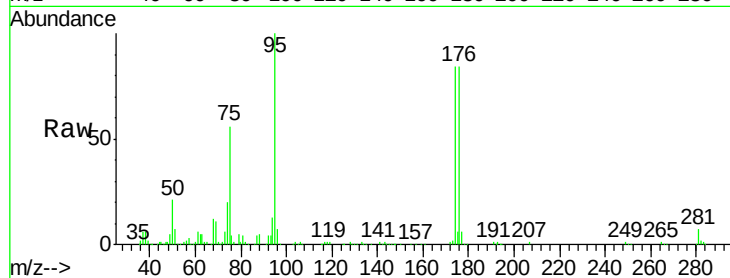
Tot Ion: 95 Resp: 76941

Ion Ratio Lower Upper

95 100

174 82.0 0.0 166.4

176 78.8 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: VW003535.D

Acq: 25 Jun 2018 04:00

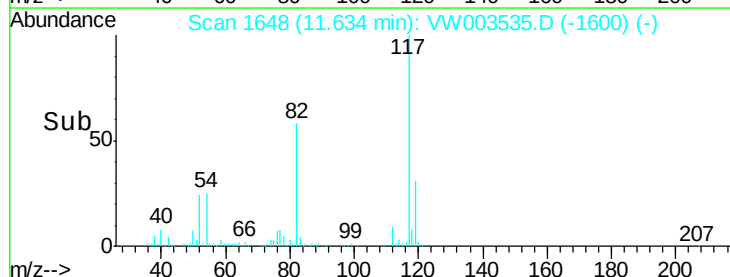
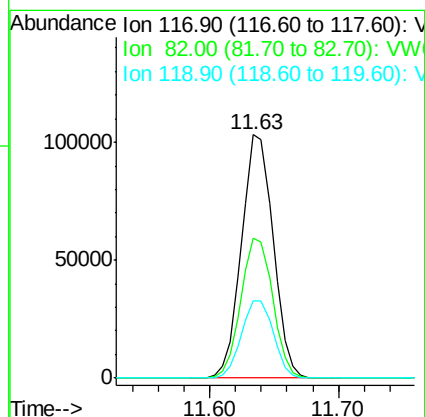
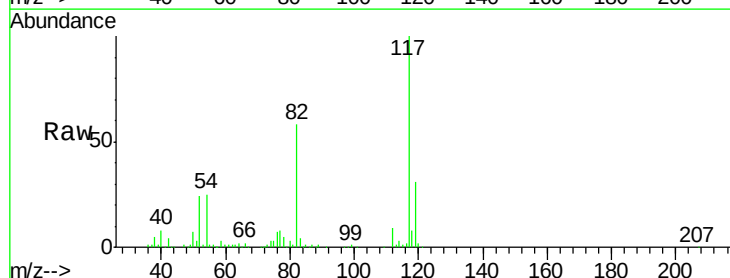
Tgt Ion: 117 Resp: 175778

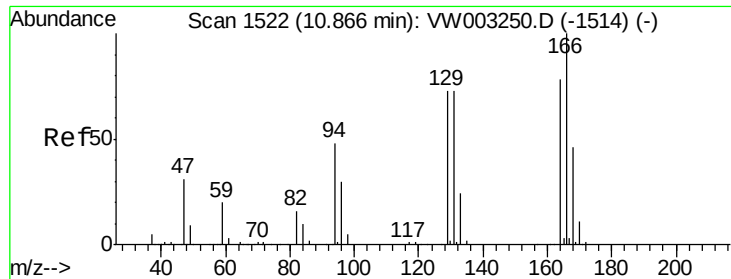
Ion Ratio Lower Upper

117 100

82 57.7 44.6 67.0

119 31.5 26.7 40.1

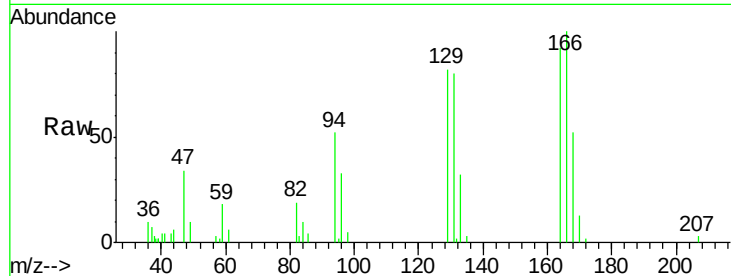




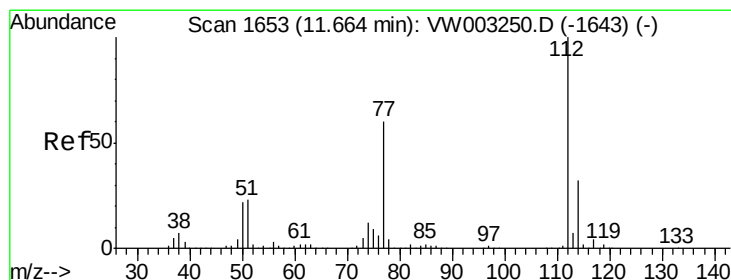
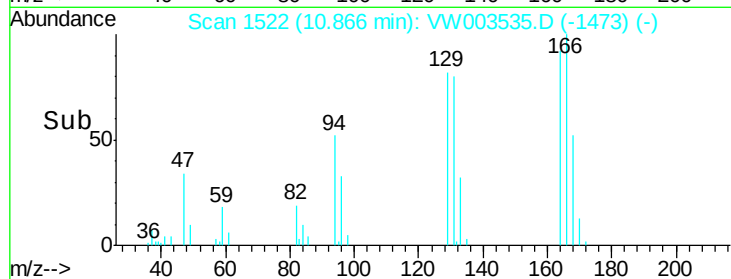
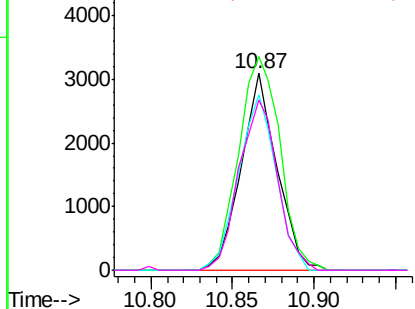
#64
Tetrachloroethene
Concen: 4.02 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003535.D
Acq: 25 Jun 2018 04:00

Instrument :
MSVOA_W
ClientSampleId :
WP021SB474-31-33-180620

Tot Ion:164 Resp: 4732
Ion Ratio Lower Upper
164 100
166 108.6 102.6 154.0
129 89.4 75.2 112.8
131 86.4 75.0 112.4

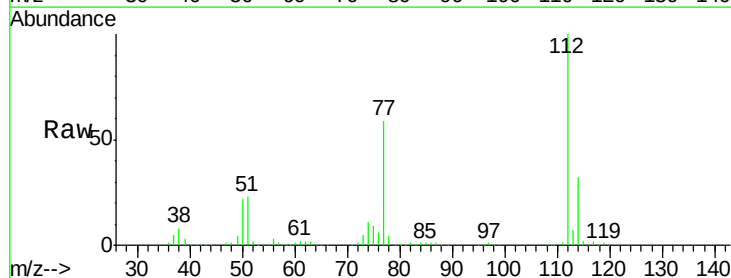


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

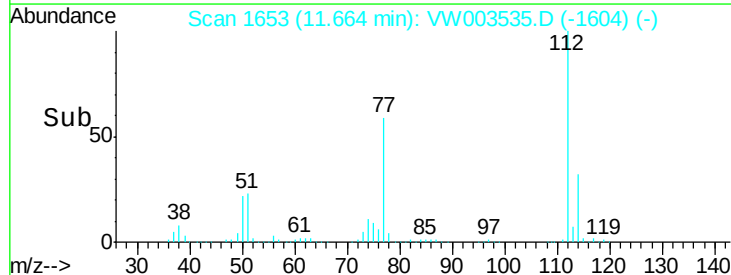
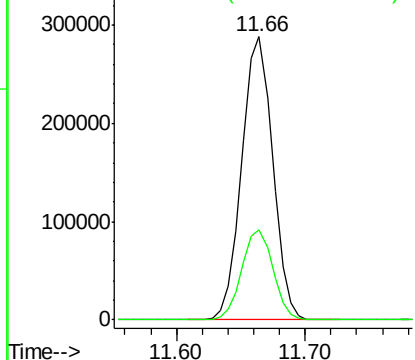


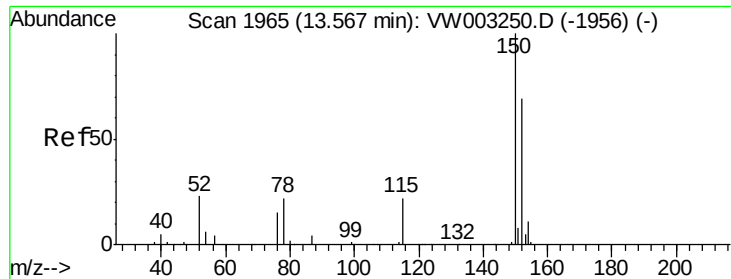
#65
Chlorobenzene
Concen: 130.66 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003535.D
Acq: 25 Jun 2018 04:00

Tgt Ion:112 Resp: 478283
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

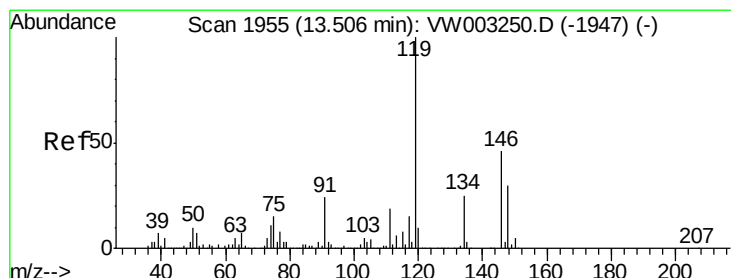
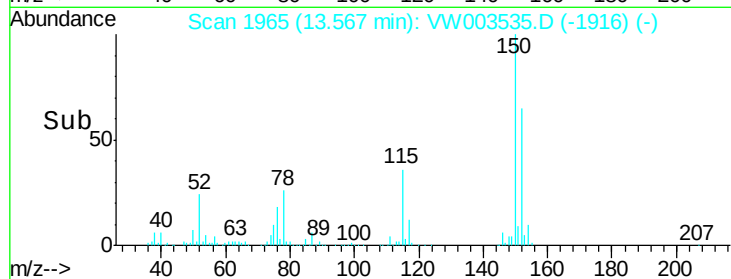
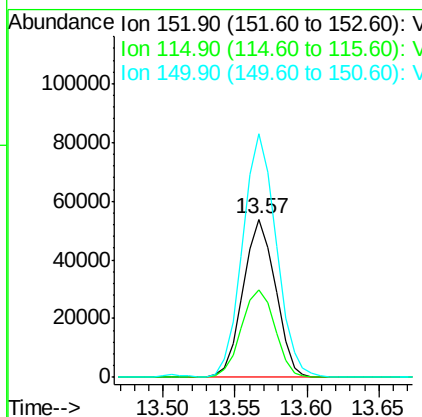
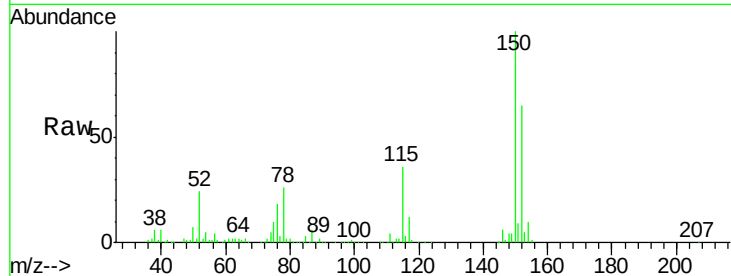




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003535.D
 Acq: 25 Jun 2018 04:00

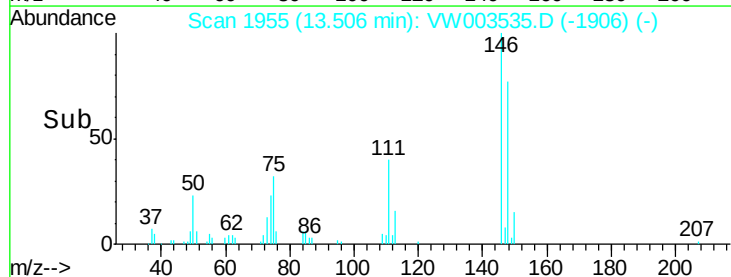
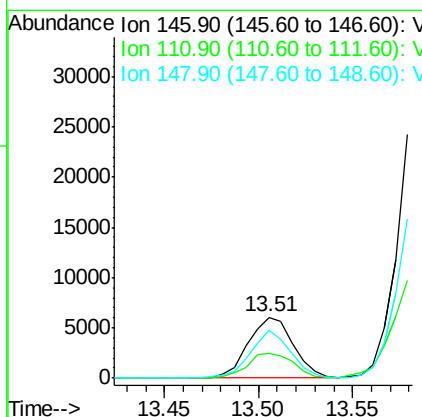
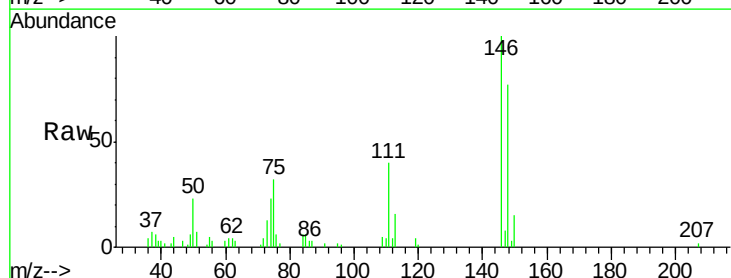
Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-31-33-180620

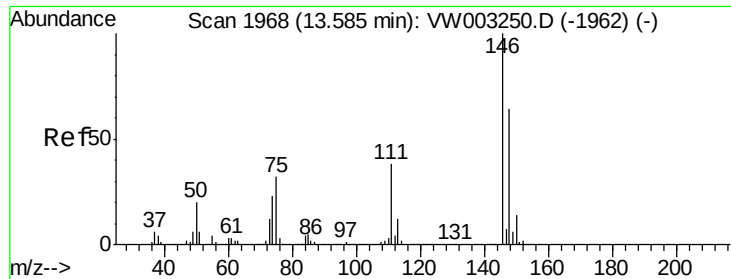
Tot Ion:152 Resp: 84020
 Ion Ratio Lower Upper
 152 100
 115 57.6 29.3 88.0
 150 160.0 0.0 349.6



#87
 1,3-Dichlorobenzene
 Concen: 3.57 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003535.D
 Acq: 25 Jun 2018 04:00

Tgt Ion:146 Resp: 9987
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.8 59.4
 148 69.8 32.1 96.5

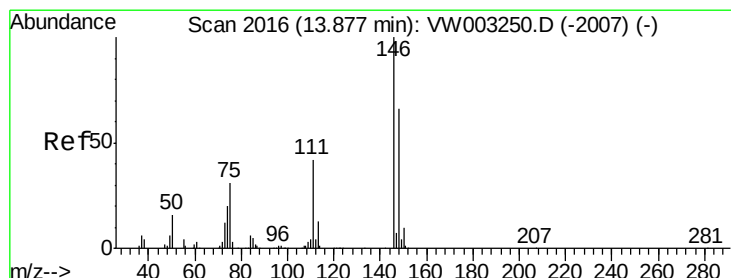
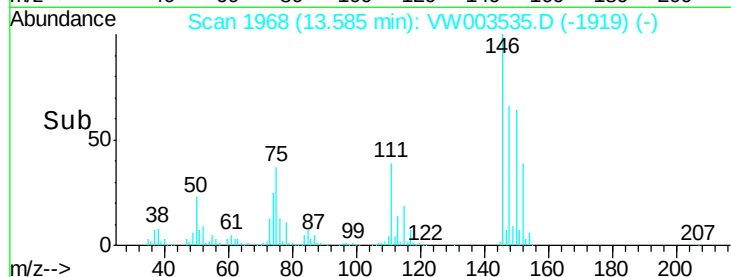
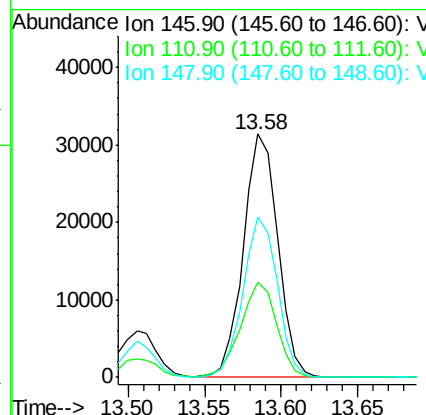
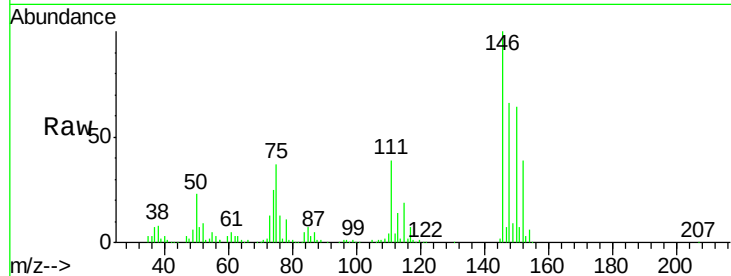




#88
 1,4-Dichlorobenzene
 Concen: 17.70 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003535.D
 Acq: 25 Jun 2018 04:00

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB474-31-33-180620

Tot Ion:146 Resp: 49193
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.2 57.6
 148 65.9 31.8 95.4



#91
 1,2-Dichlorobenzene
 Concen: 72.41 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003535.D
 Acq: 25 Jun 2018 04:00

Tgt Ion:146 Resp: 177333
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 61.0
 148 64.0 32.3 96.9

