

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
 Data File : VW005224.D
 Acq On : 07 Sep 2018 21:39
 Operator : SY/AP
 Sample : J4825-18RE
 Misc : 5.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-WS-COMP-18

Quant Time: Sep 08 01:22:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	519361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	817612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	728097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	330890	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	198348	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
35) Dibromofluoromethane	7.89	113	181627	38.44	ug/l	0.00
Spiked Amount			Recovery	=	76.88%	
50) Toluene-d8	10.33	98	727779	33.43	ug/l	0.00
Spiked Amount			Recovery	=	66.86%	
62) 4-Bromofluorobenzene	12.62	95	248677	32.39	ug/l	0.00
Spiked Amount			Recovery	=	64.78%	

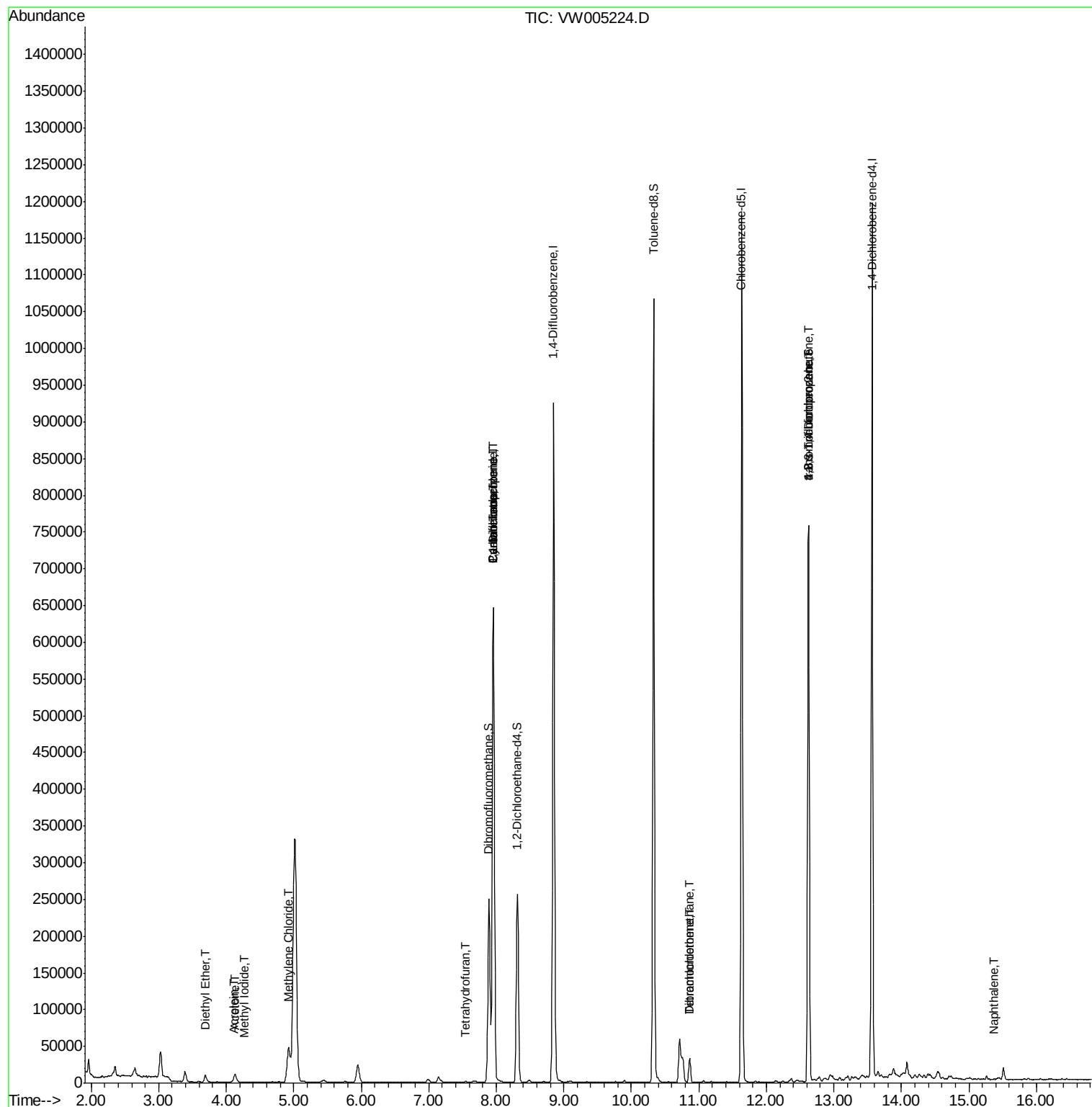
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	574	Below Cal	#	55
8) Diethyl Ether	3.69	74	4973	2.069	ug/l	92
10) Methyl Iodide	4.28	142	140	3.838	ug/l #	44
11) Tert butyl alcohol	5.18	59	857	Below Cal	#	72
13) Acrolein	4.10	56	356	1.274	ug/l #	68
16) Acetone	4.13	43	19140	22.168	ug/l	94
20) Methylene Chloride	4.93	84	38149	2.871	ug/l	98
29) Tetrahydrofuran	7.54	42	1079	1.410	ug/l #	87
31) Cyclohexane	7.96	56	8975	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	35173	4.517	ug/l #	47
38) Carbon Tetrachloride	7.96	117	46665	6.303	ug/l #	16
60) Dibromochloromethane	10.87	129	6043	1.240	ug/l #	10
64) Tetrachloroethene	10.87	164	7529	1.318	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	113902	45.859	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	113902	110.378	ug/l #	15
95) Naphthalene	15.37	128	1199	4.072	ug/l #	91

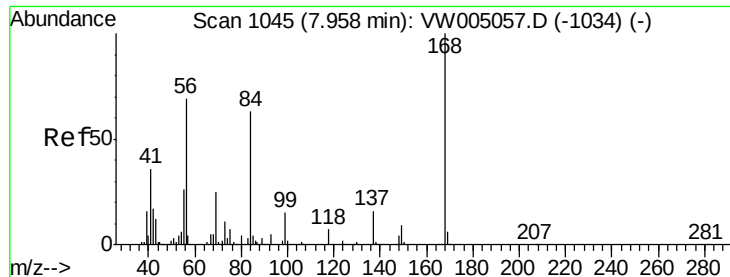
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

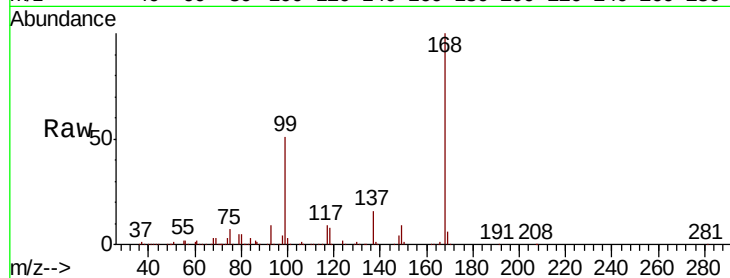
EP1-WS-COMP-18

Tgt Ion:168 Resp: 519361

Ion Ratio Lower Upper

168 100

99 51.0 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

150000

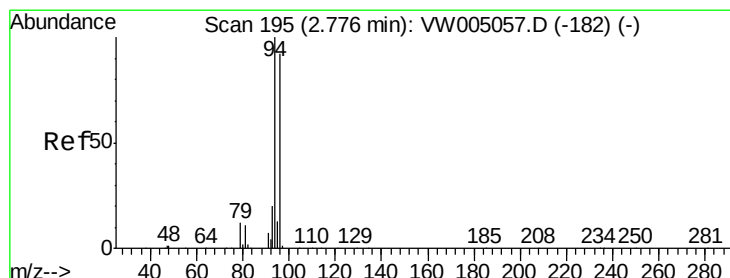
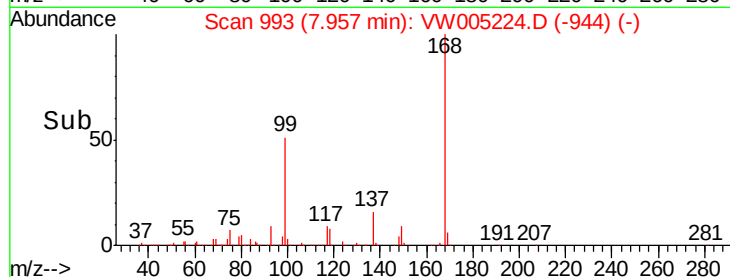
100000

50000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW005224.D

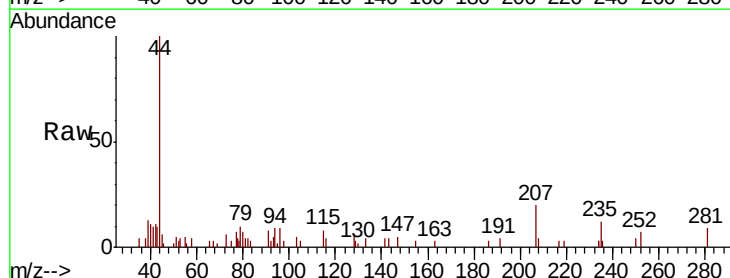
Acq: 07 Sep 2018 21:39

Tgt Ion: 94 Resp: 574

Ion Ratio Lower Upper

94 100

96 48.3 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

400

300

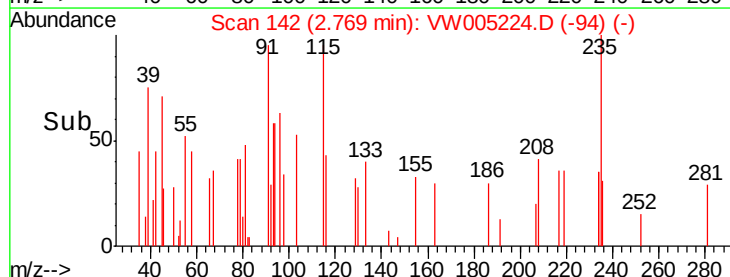
200

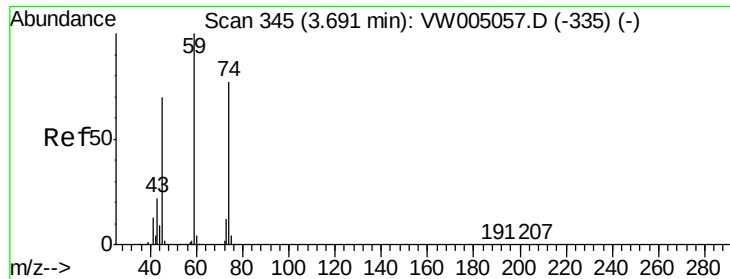
100

0

2.70 2.75 2.80

Time-->





#8

Diethyl Ether

Concen: 2.069 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

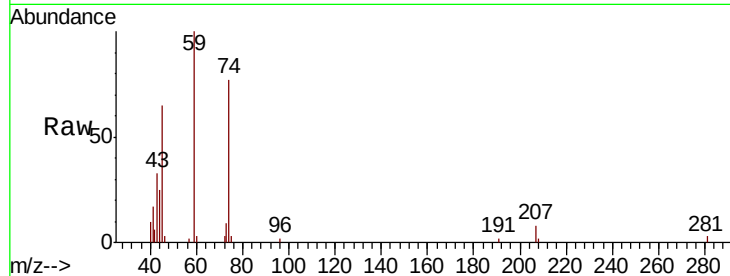
EP1-WS-COMP-18

Tgt Ion: 74 Resp: 4973

Ion Ratio Lower Upper

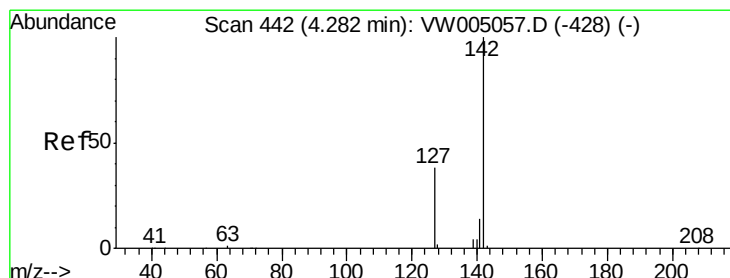
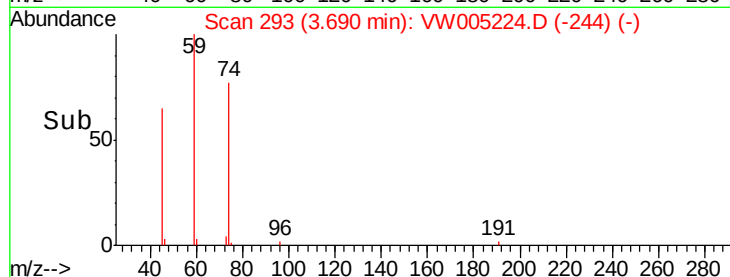
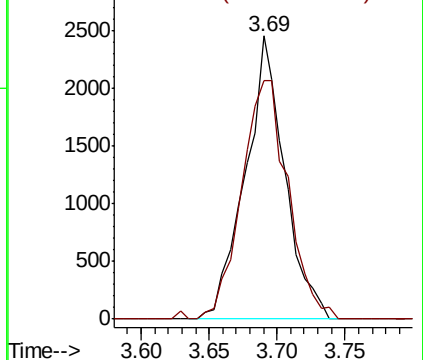
74 100

45 99.2 46.0 137.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#10

Methyl Iodide

Concen: 3.838 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

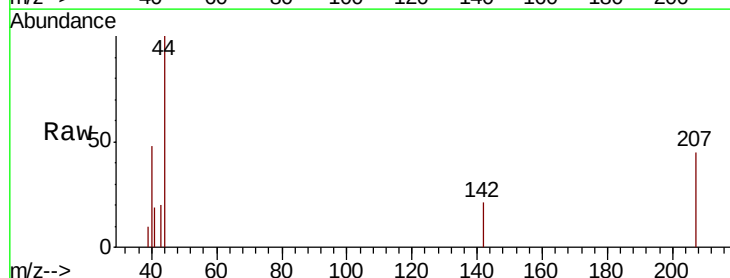
Tgt Ion: 142 Resp: 140

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

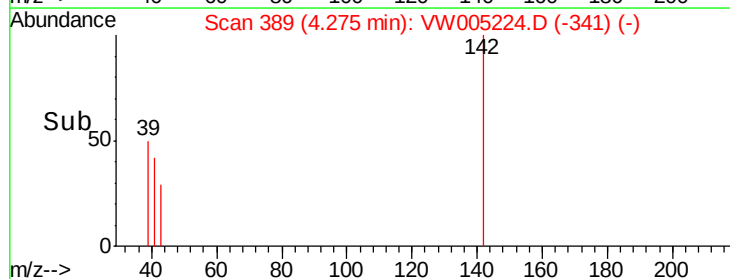
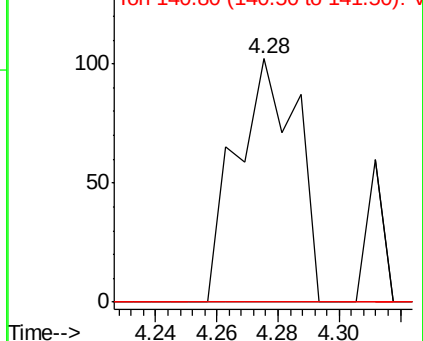
141 0.0 11.6 17.4#

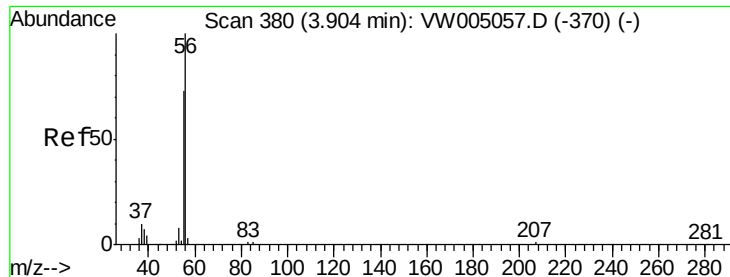


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 1.274 ug/l

RT: 4.10 min Scan# 361

Delta R.T. 0.20 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

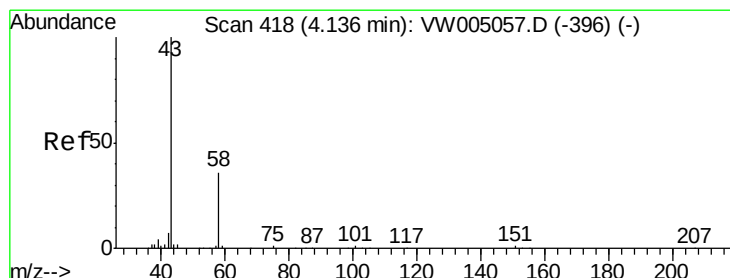
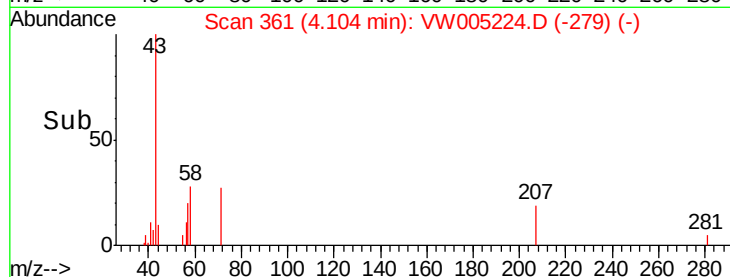
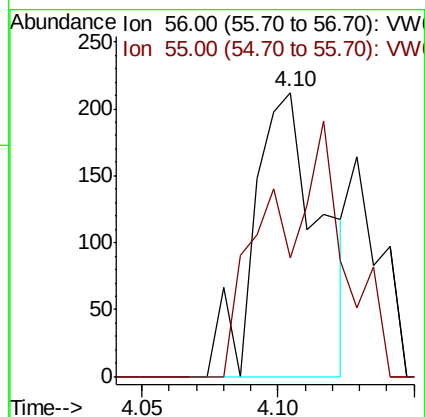
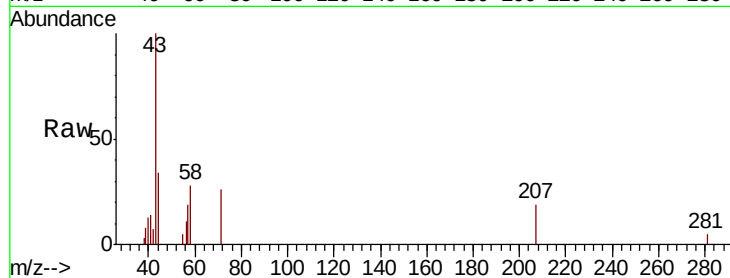
EP1-WS-COMP-18

Tgt Ion: 56 Resp: 356

Ion Ratio Lower Upper

56 100

55 99.2 58.1 87.1#



#16

Acetone

Concen: 22.168 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW005224.D

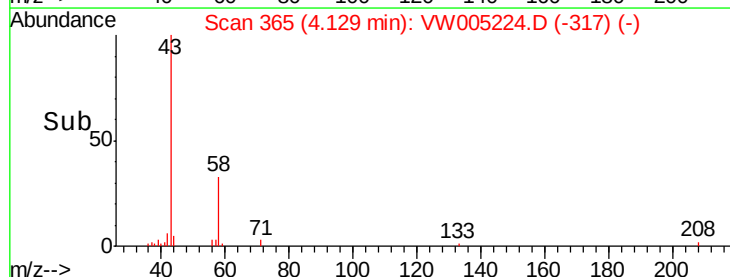
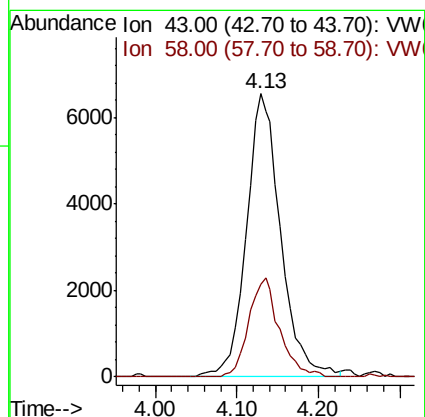
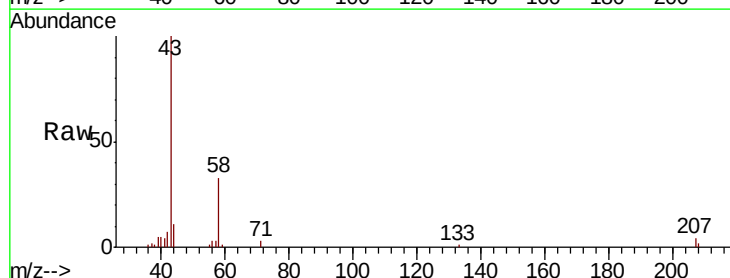
Acq: 07 Sep 2018 21:39

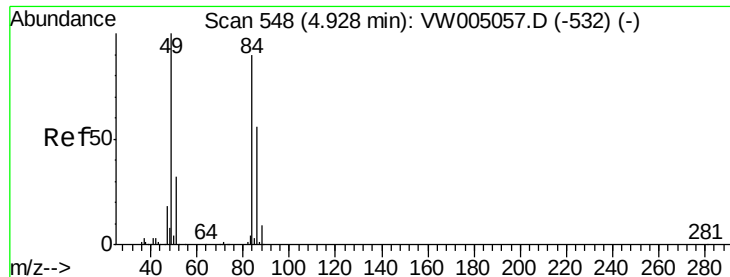
Tgt Ion: 43 Resp: 19140

Ion Ratio Lower Upper

43 100

58 32.7 29.0 43.6

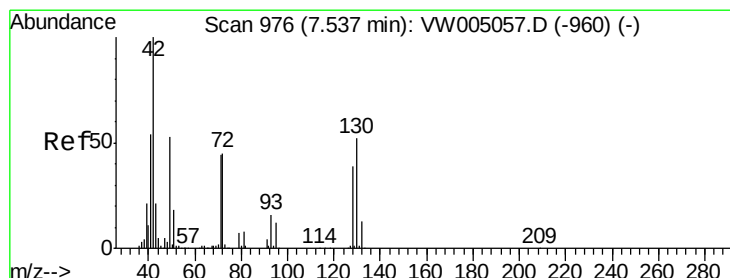
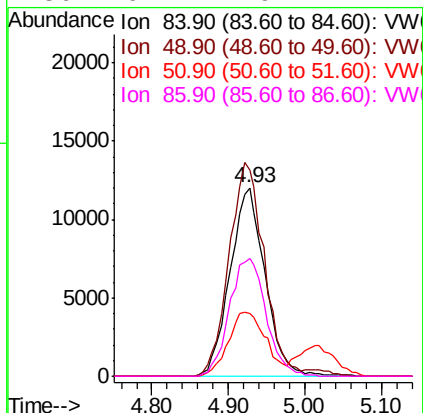
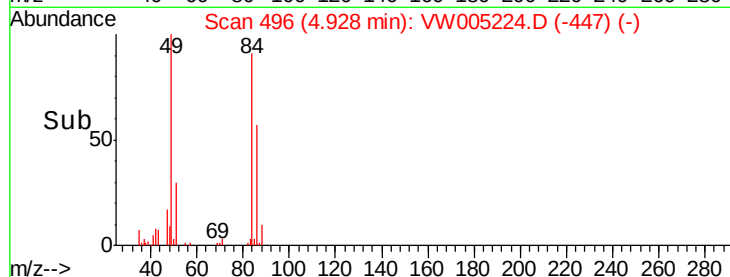
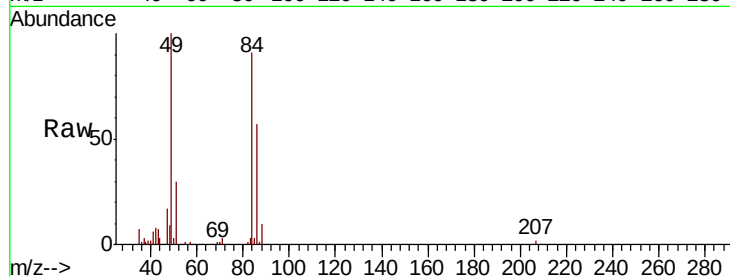




#20
Methylene Chloride
Concen: 2.871 ug/l
RT: 4.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VW005224.D
Acq: 07 Sep 2018 21:39

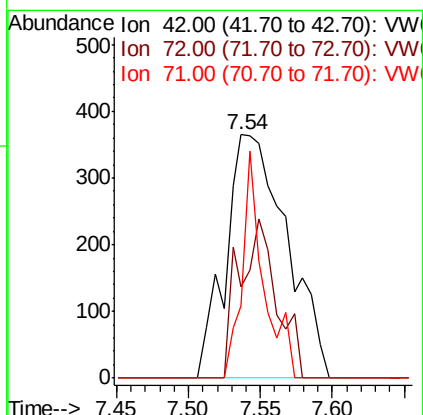
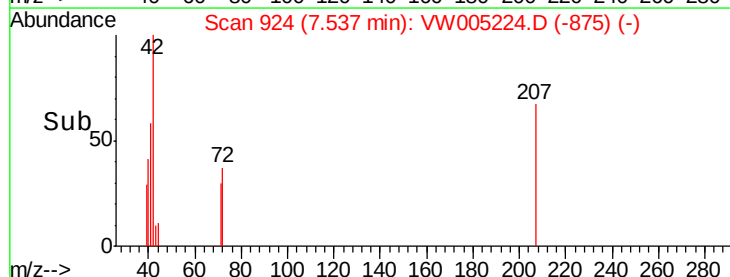
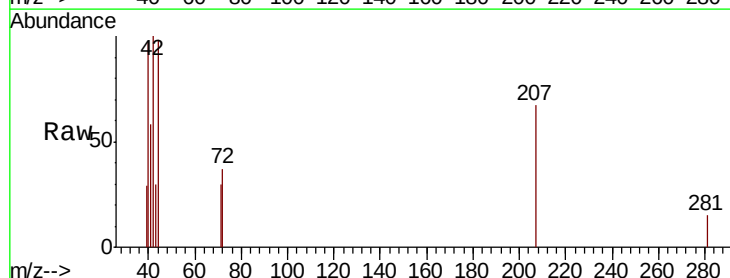
Instrument :
MSVOA_W
ClientSampleId :
EP1-WS-COMP-18

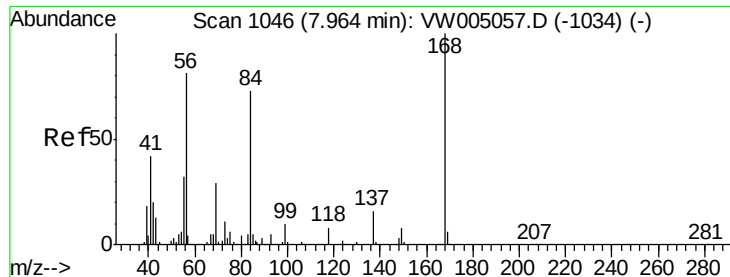
Tgt Ion:	84	Resp:	38149
Ion	Ratio	Lower	Upper
84	100		
49	109.8	88.7	133.1
51	33.1	28.6	42.8
86	62.4	49.4	74.2



#29
Tetrahydrofuran
Concen: 1.410 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005224.D
Acq: 07 Sep 2018 21:39

Tgt Ion:	42	Resp:	1079
Ion	Ratio	Lower	Upper
42	100		
72	40.3	37.0	55.4
71	32.4	35.0	52.6#

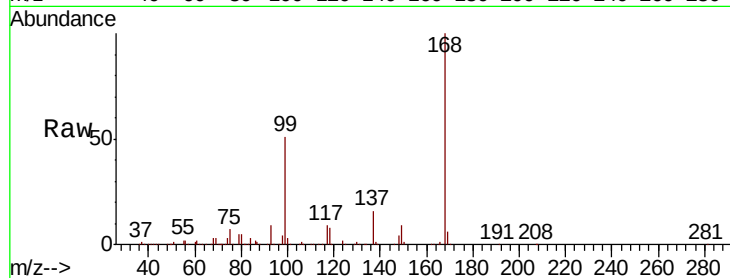




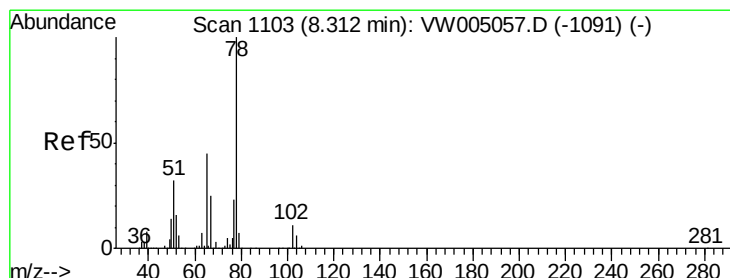
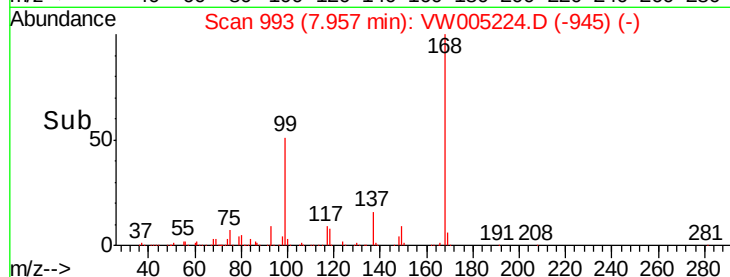
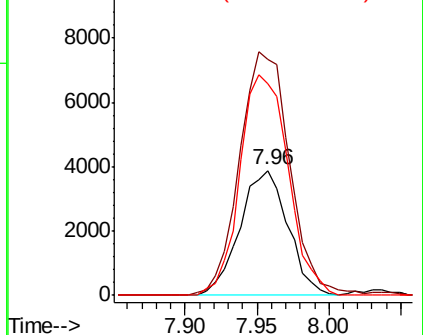
#31
Cyclohexane
Concen: 1.061 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005224.D
Acq: 07 Sep 2018 21:39

Instrument :
MSVOA_W
ClientSampleId :
EP1-WS-COMP-18

Tgt Ion: 56 Resp: 8975
Ion Ratio Lower Upper
56 100
69 189.2 28.2 42.2#
84 169.7 71.8 107.8#

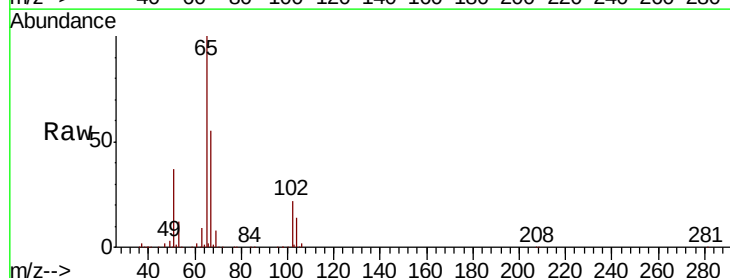


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

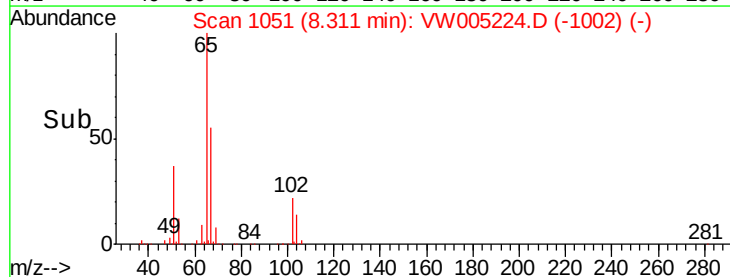
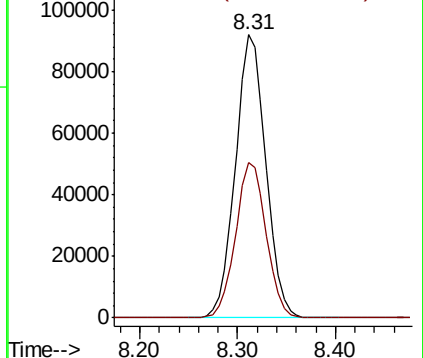


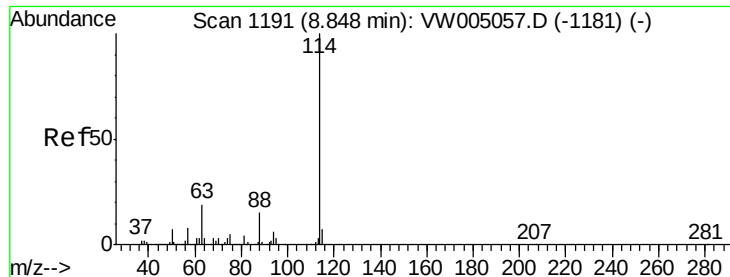
#33
1,2-Dichloroethane-d4
Concen: 46.071 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005224.D
Acq: 07 Sep 2018 21:39

Tgt Ion: 65 Resp: 198348
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

EP1-WS-COMP-18

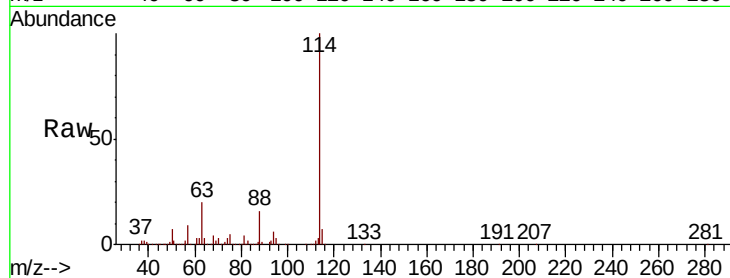
Tgt Ion:114 Resp: 817612

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

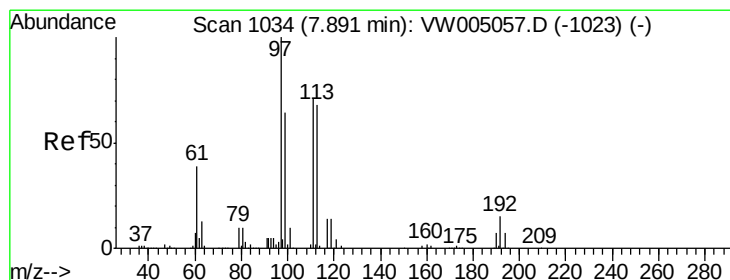
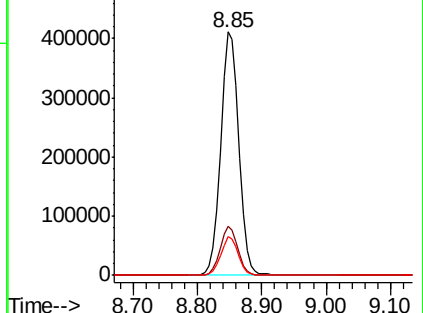
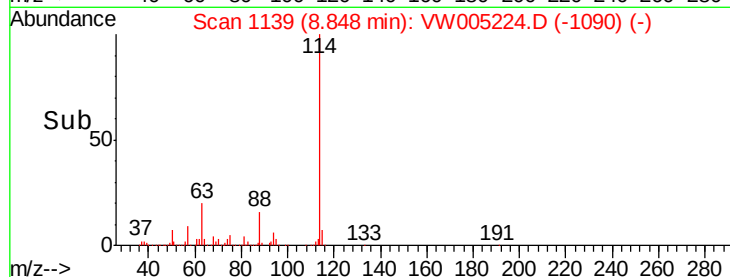
88 15.7 0.0 30.2



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: 38.441 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

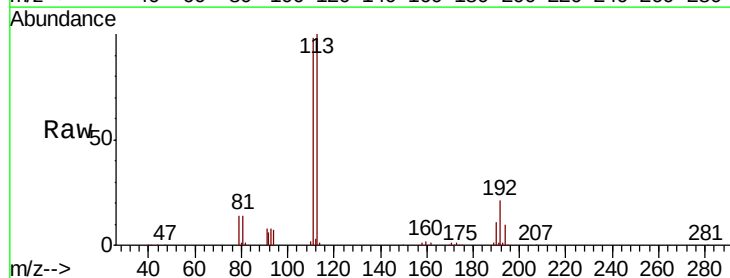
Tgt Ion:113 Resp: 181627

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

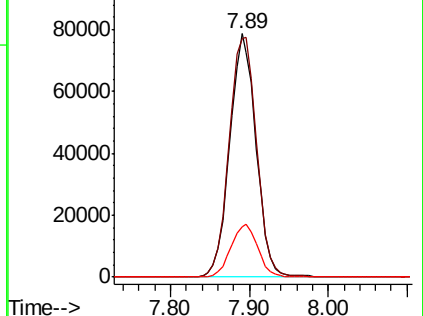
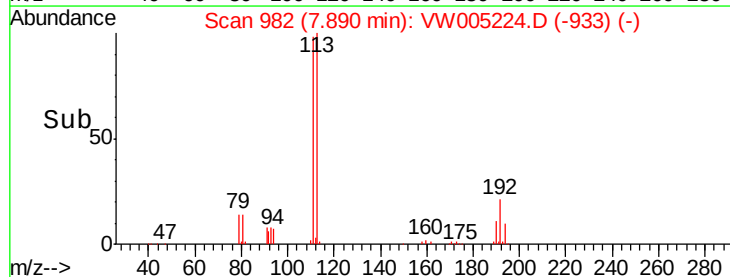
192 22.0 18.1 27.1

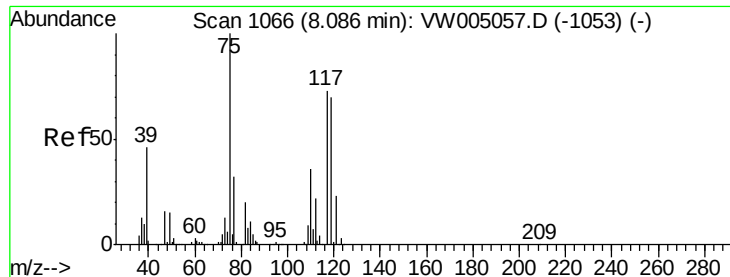


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

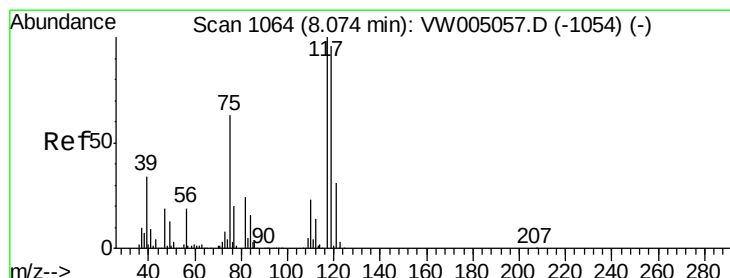
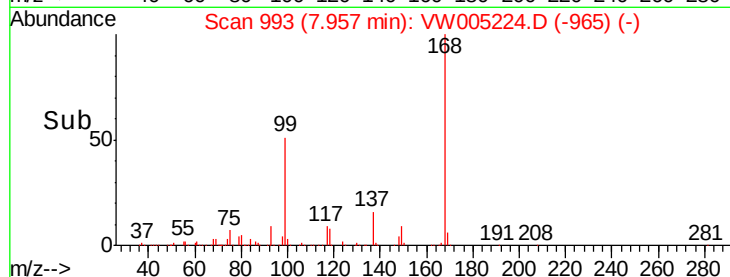
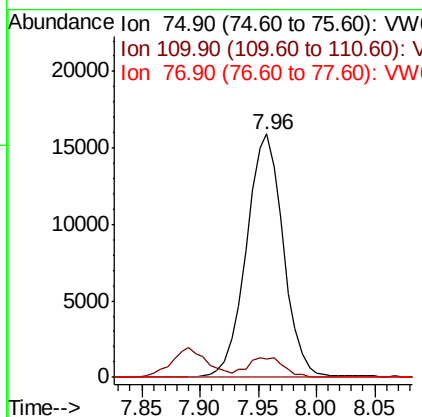
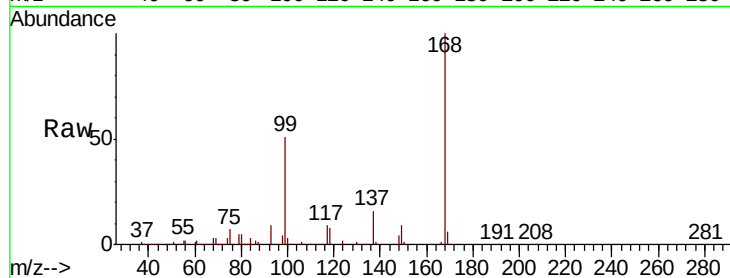




#36
 1,1-Dichloropropene
 Concen: 4.517 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005224.D
 Acq: 07 Sep 2018 21:39

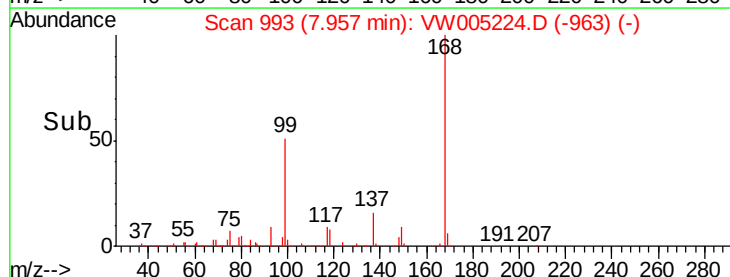
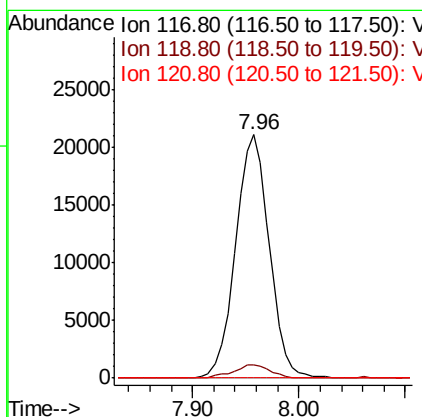
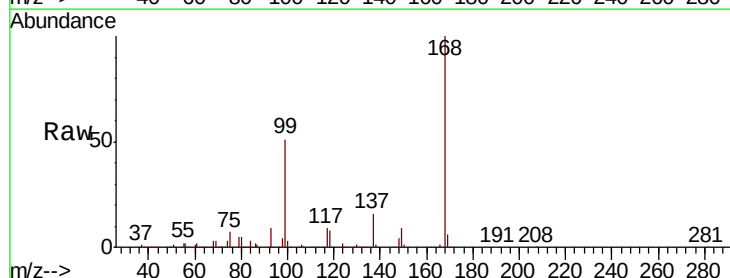
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-WS-COMP-18

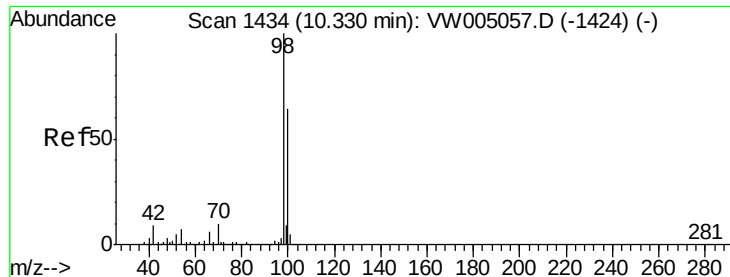
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.9	56.7#
77	0.1	25.5	38.3#



#38
 Carbon Tetrachloride
 Concen: 6.303 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005224.D
 Acq: 07 Sep 2018 21:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.6	115.0#
121	0.0	24.8	37.2#

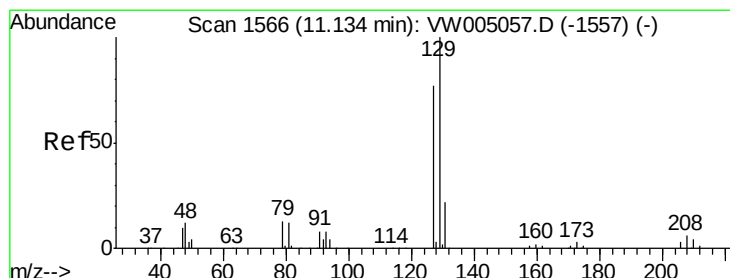
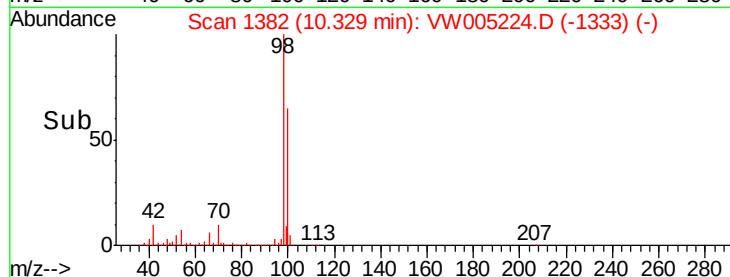
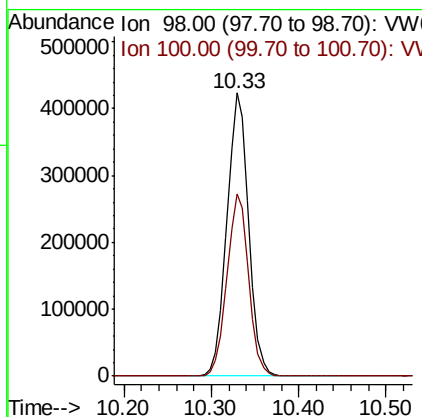
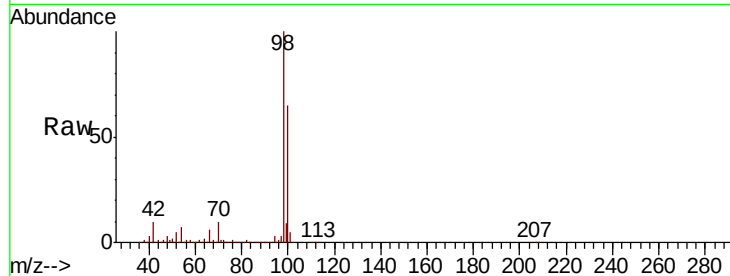




#50
Toluene-d8
Concen: 33.428 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005224.D
Acq: 07 Sep 2018 21:39

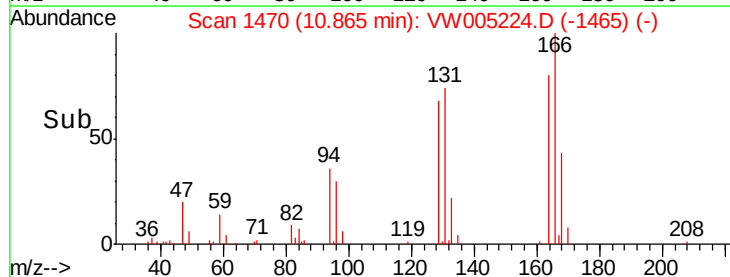
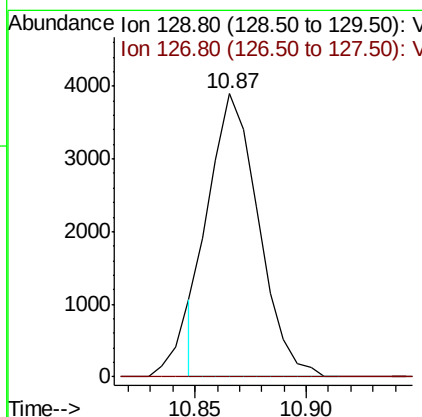
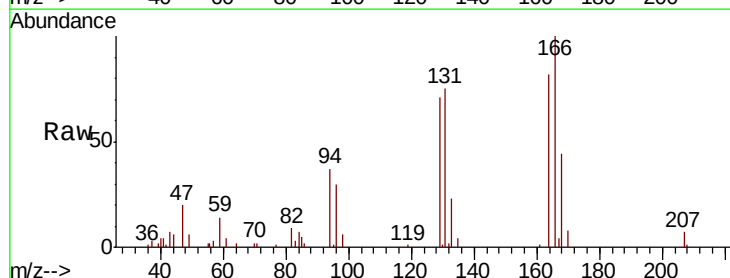
Instrument :
MSVOA_W
ClientSampleId :
EP1-WS-COMP-18

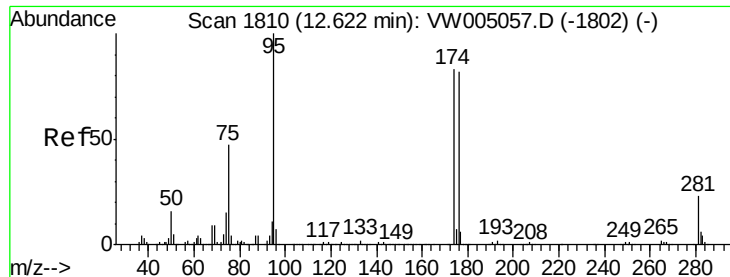
Tgt Ion: 98 Resp: 727779
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#60
Dibromochloromethane
Concen: 1.240 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.27 min
Lab File: VW005224.D
Acq: 07 Sep 2018 21:39

Tgt Ion: 129 Resp: 6043
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 32.393 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

EP1-WS-COMP-18

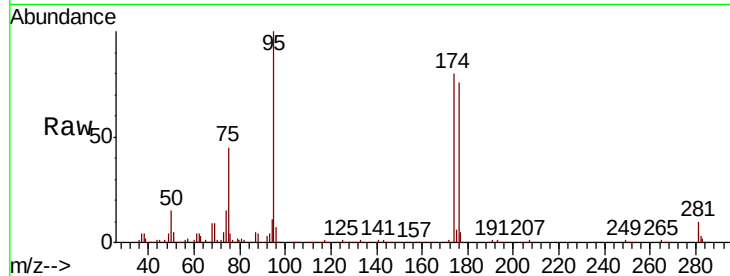
Tgt Ion: 95 Resp: 248677

Ion Ratio Lower Upper

95 100

174 85.3 0.0 173.4

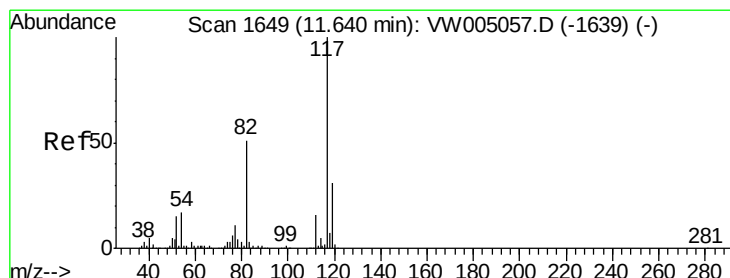
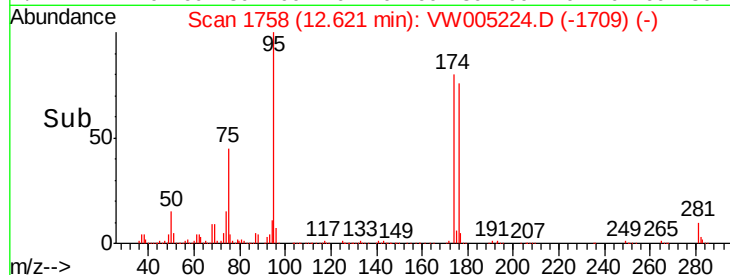
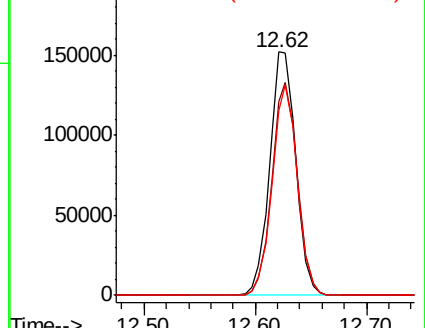
176 83.0 0.0 167.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

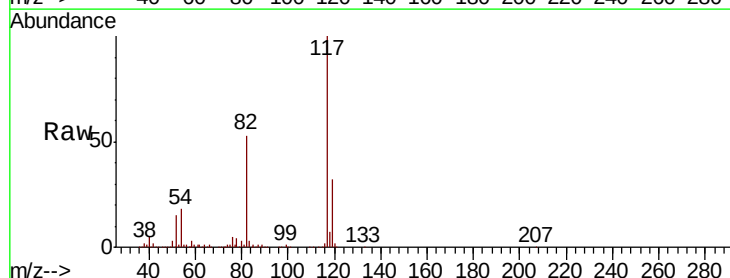
Tgt Ion: 117 Resp: 728097

Ion Ratio Lower Upper

117 100

82 52.6 40.9 61.3

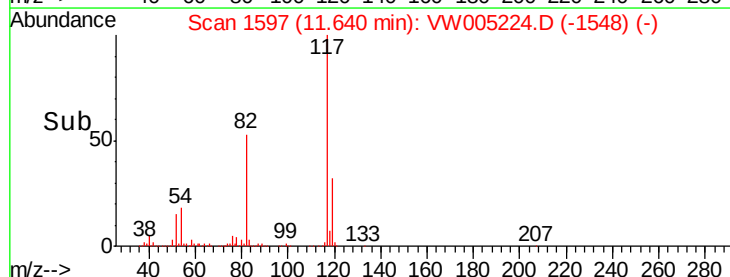
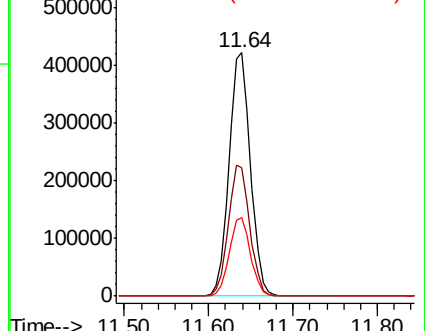
119 32.3 24.9 37.3

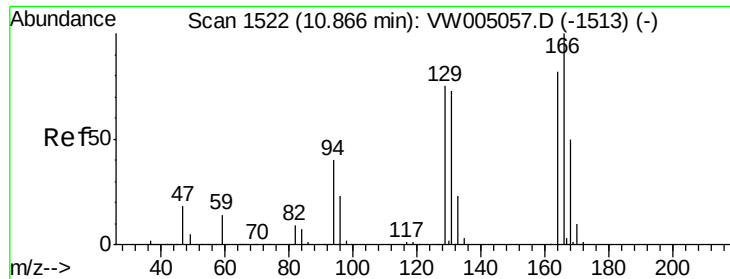


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 1.318 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

EP1-WS-COMP-18

Tgt Ion:164 Resp: 7529

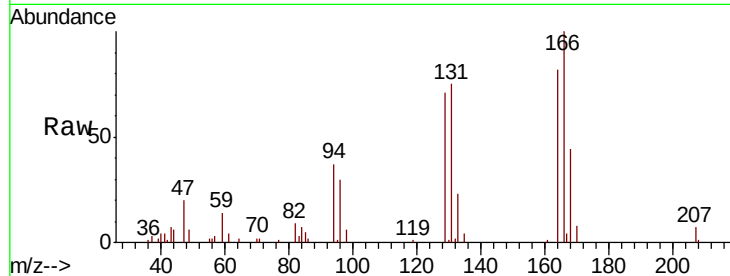
Ion Ratio Lower Upper

164 100

166 122.0 97.3 145.9

129 86.5 73.1 109.7

131 91.3 71.3 106.9

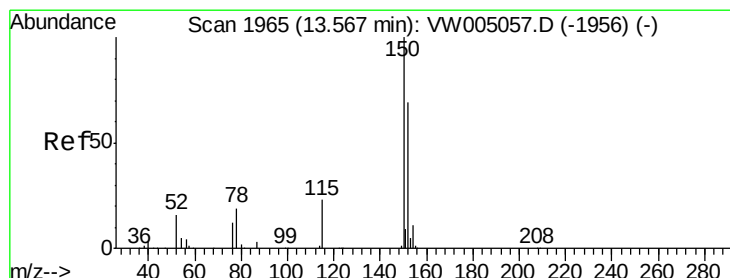
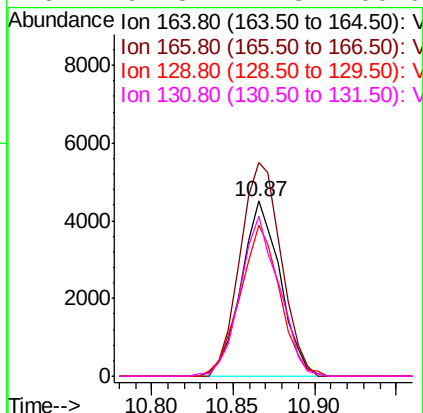
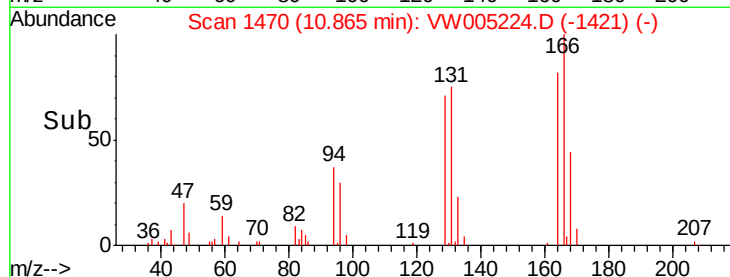


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005224.D

Acq: 07 Sep 2018 21:39

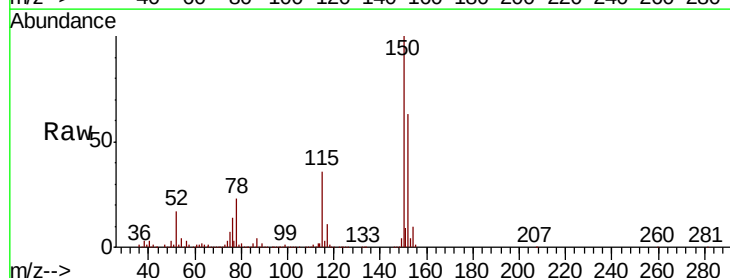
Tgt Ion:152 Resp: 330890

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

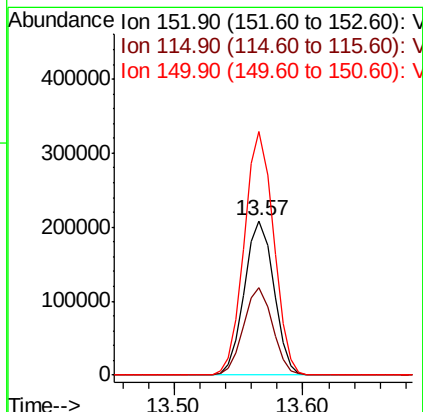
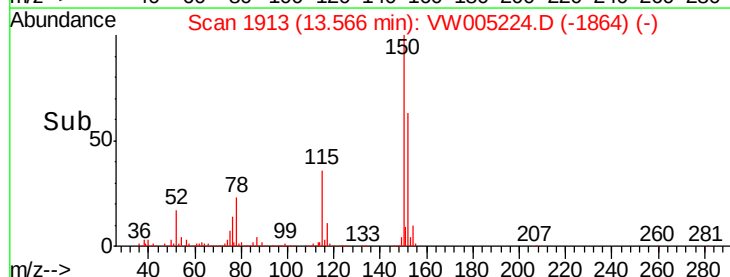
150 156.9 0.0 351.4

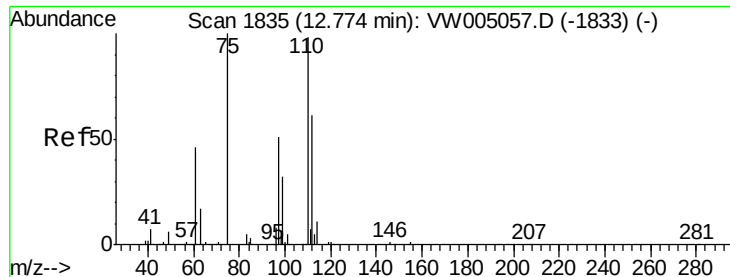


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

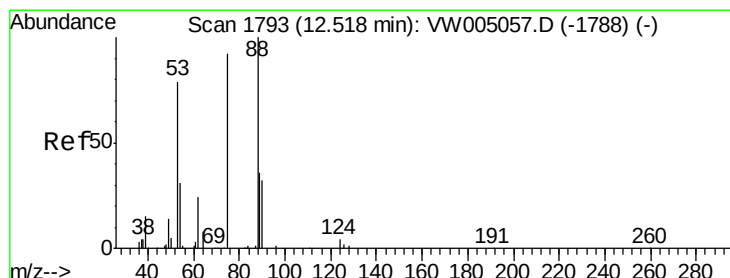
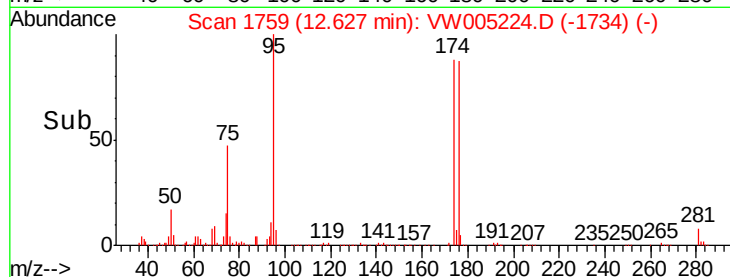
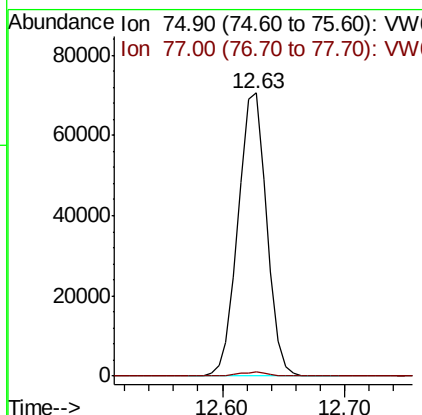
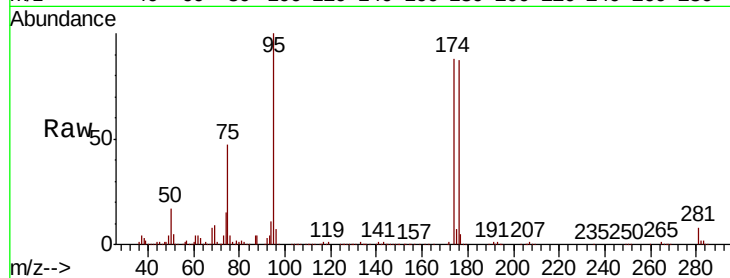




#76
 1,2,3-Trichloropropane
 Concen: 45.859 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.15 min
 Lab File: VW005224.D
 Acq: 07 Sep 2018 21:39

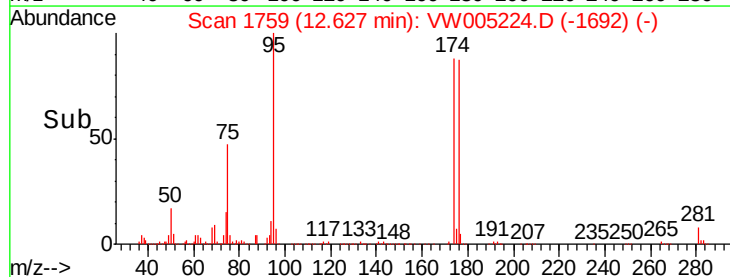
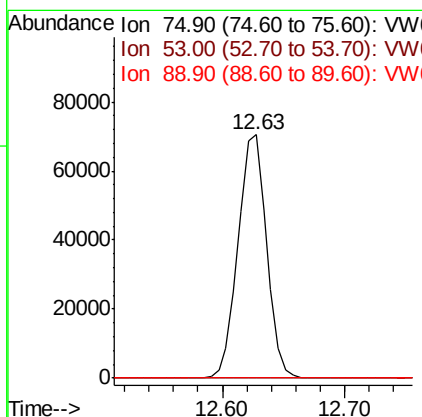
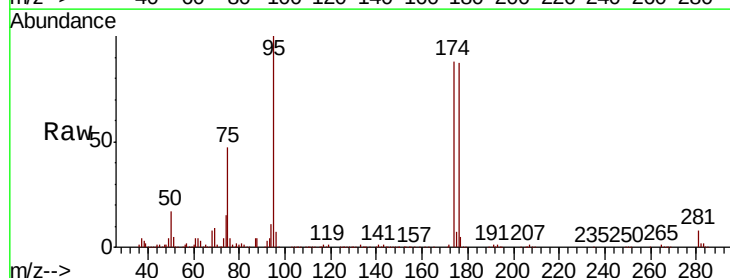
Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-WS-COMP-18

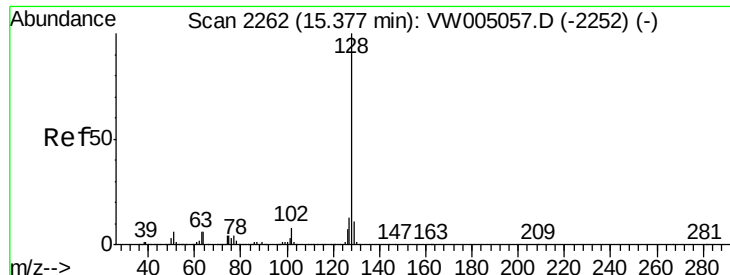
Tgt Ion: 75 Resp: 113902
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.378 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.11 min
 Lab File: VW005224.D
 Acq: 07 Sep 2018 21:39

Tgt Ion: 75 Resp: 113902
 Ion Ratio Lower Upper
 75 100
 53 0.2 69.8 104.8#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 4.072 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW005224.D

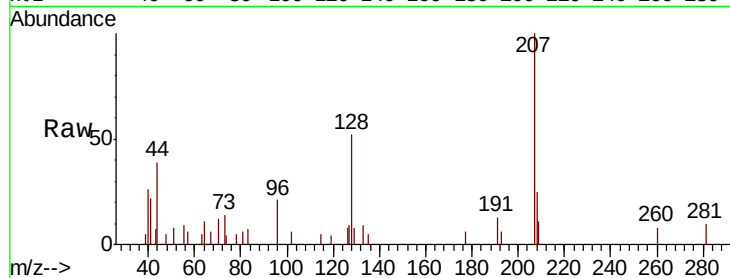
Acq: 07 Sep 2018 21:39

Instrument :

MSVOA_W

ClientSampleId :

EP1-WS-COMP-18



Tgt Ion:	128	Resp:	1199
Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.4	15.6#
129	15.4	8.7	13.1#

