

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003791.D
 Acq On : 09 Jul 2018 21:12
 Operator : SY/AP
 Sample : J3886-02
 Misc : 6.01G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-6A(60-62)

Quant Time: Jul 10 01:57:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	74524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	137910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	114514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	27358	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	59252	60.80	ug/l	0.00
Spiked Amount			Recovery	=	121.60%	
35) Dibromofluoromethane	7.88	113	52284	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	
50) Toluene-d8	10.33	98	125313	33.94	ug/l	0.00
Spiked Amount			Recovery	=	67.88%	
62) 4-Bromofluorobenzene	12.62	95	29236	21.89	ug/l	0.00
Spiked Amount			Recovery	=	43.78%	

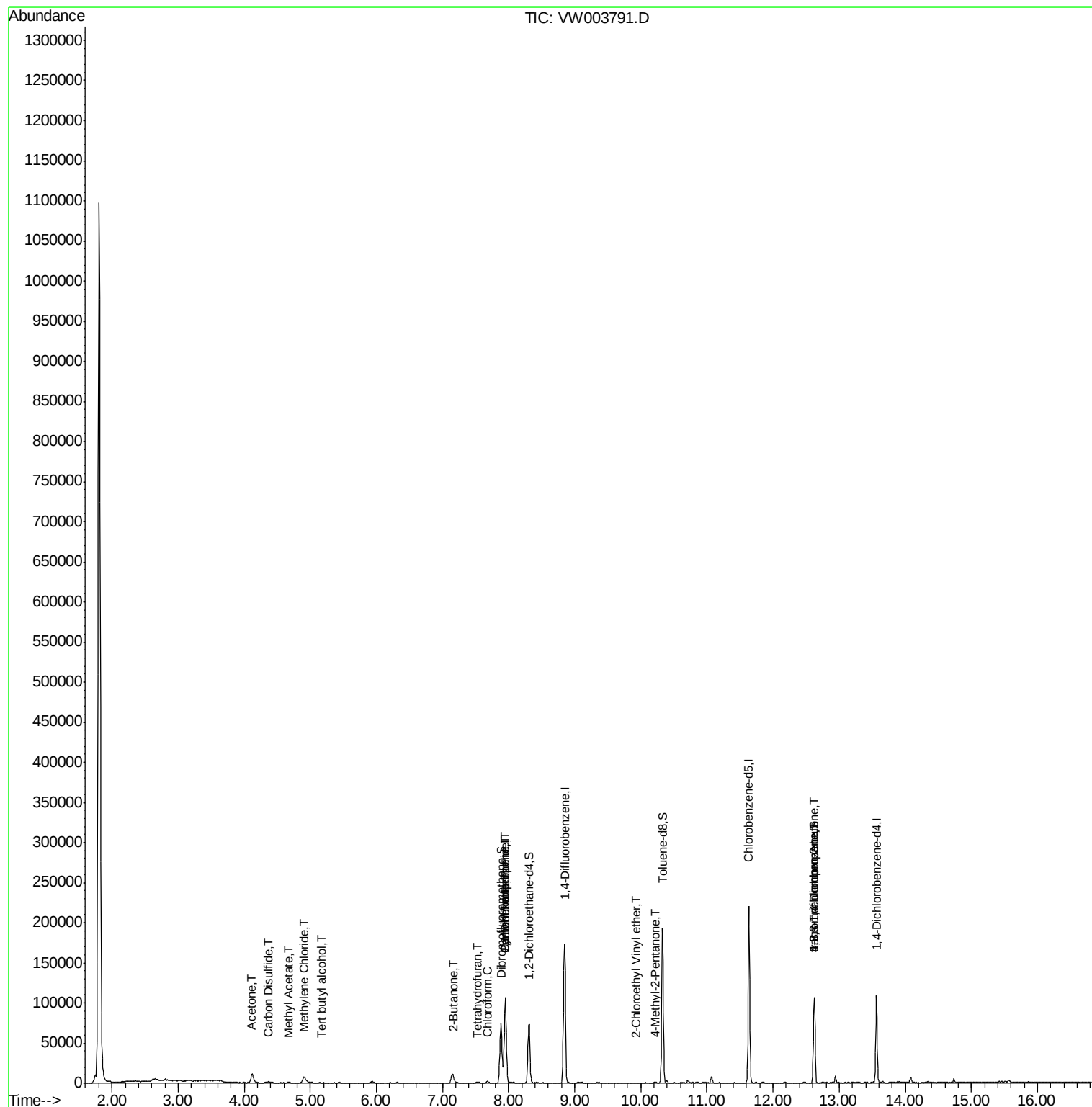
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	86	1.628	ug/l #	70
16) Acetone	4.12	43	19534	115.528	ug/l	96
17) Carbon Disulfide	4.37	76	3617	1.576	ug/l #	92
18) Methyl Acetate	4.67	43	619	1.298	ug/l #	67
20) Methylene Chloride	4.90	84	5838	2.960	ug/l	84
25) 2-Butanone	7.17	43	1005	3.795	ug/l #	90
29) Tetrahydrofuran	7.54	42	671	3.941	ug/l #	63
30) Chloroform	7.68	83	1936	1.173	ug/l #	79
31) Cyclohexane	7.96	56	2600	1.828	ug/l #	61
36) 1,1-Dichloropropene	7.95	75	6771	4.627	ug/l #	50
38) Carbon Tetrachloride	7.95	117	8022	5.766	ug/l #	18
51) 4-Methyl-2-Pentanone	10.22	43	852	1.220	ug/l #	77
58) 2-Chloroethyl Vinyl ether	9.93	63	97	13.348	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	16264	60.539	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	16264	148.094	ug/l #	7

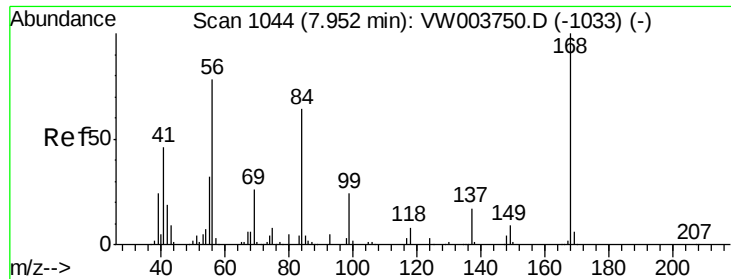
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

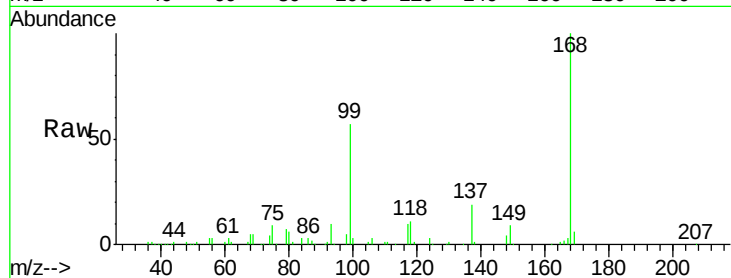
EPE-108-6A(60-62)

Tot Ion:168 Resp: 74524

Ion Ratio Lower Upper

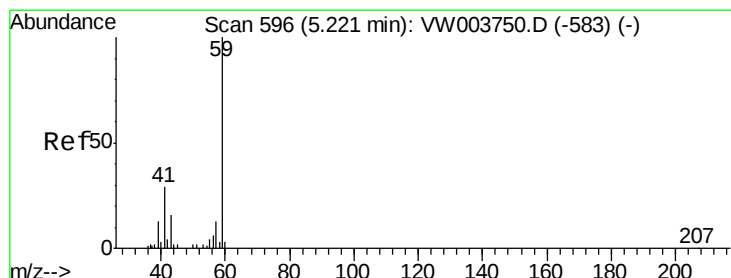
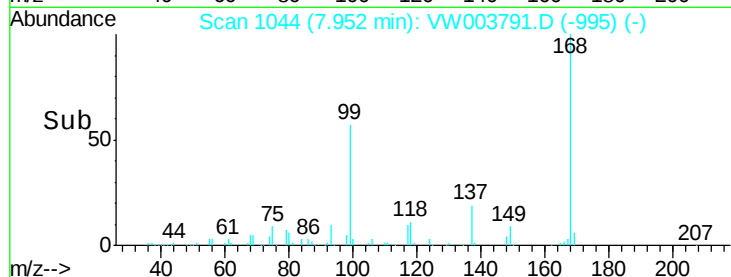
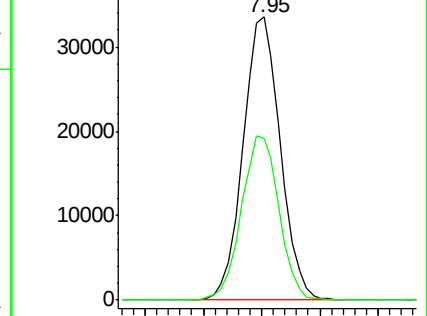
168 100

99 57.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.628 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.05 min

Lab File: VW003791.D

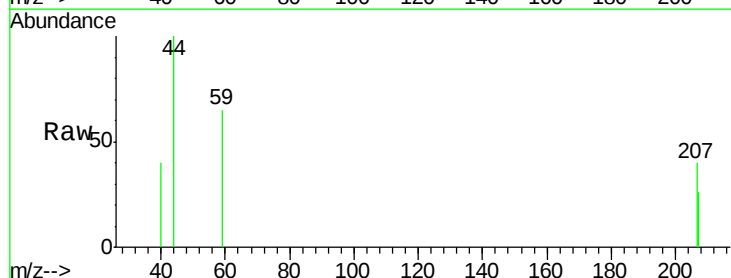
Acq: 09 Jul 2018 21:12

Tgt Ion: 59 Resp: 86

Ion Ratio Lower Upper

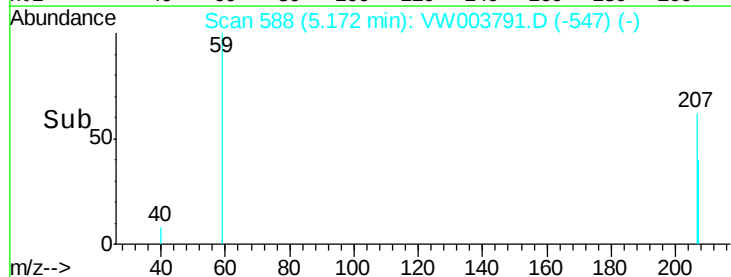
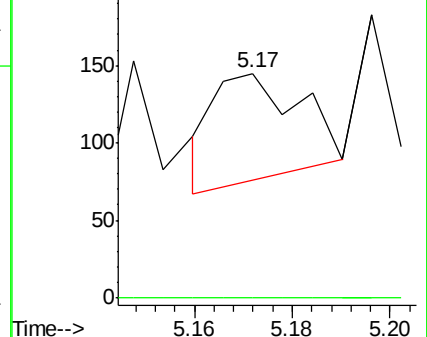
59 100

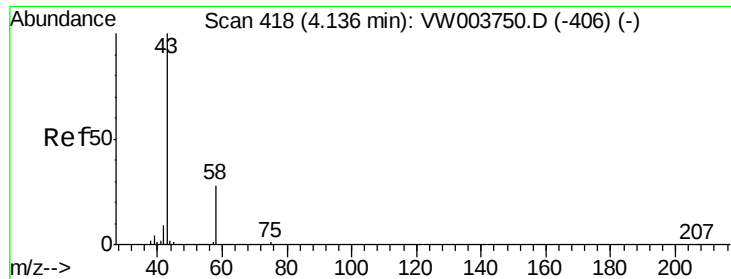
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 115.528 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

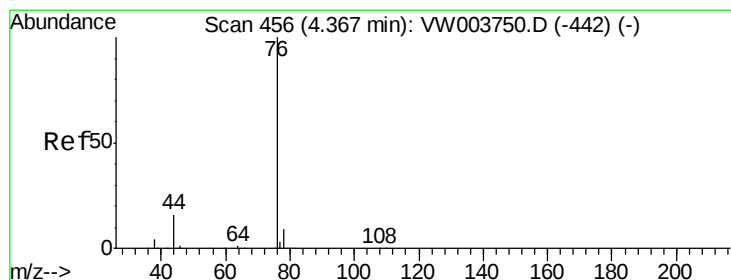
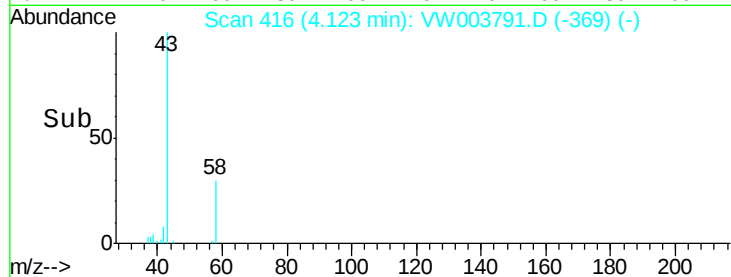
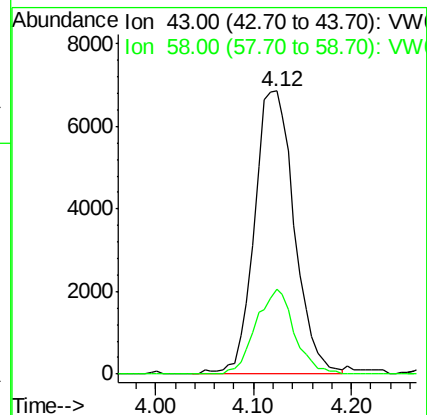
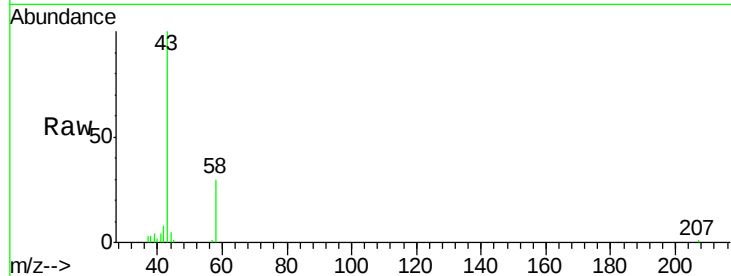
EPE-108-6A(60-62)

Tot Ion: 43 Resp: 19534

Ion Ratio Lower Upper

43 100

58 30.2 22.6 34.0



#17

Carbon Disulfide

Concen: 1.576 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003791.D

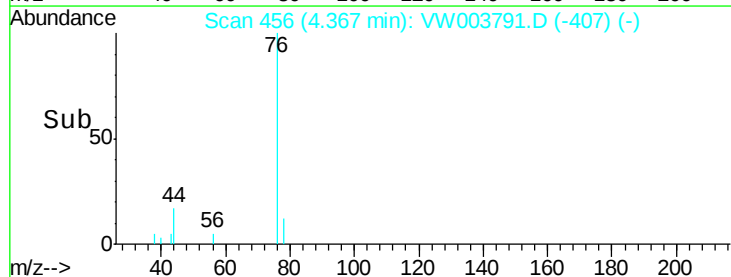
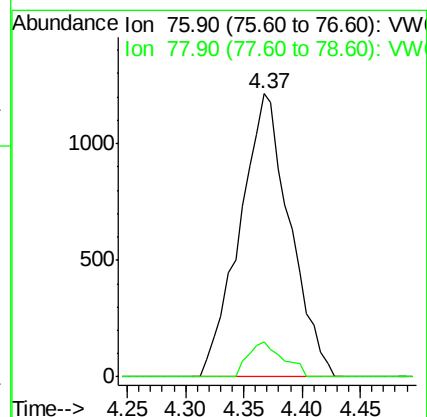
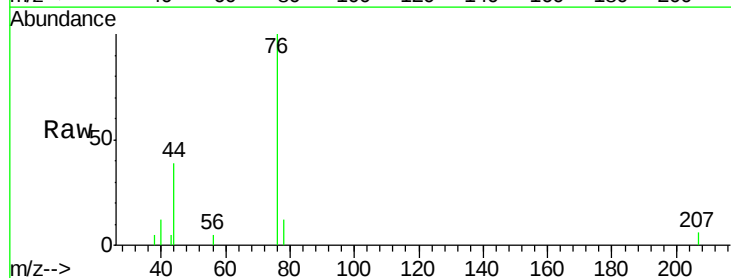
Acq: 09 Jul 2018 21:12

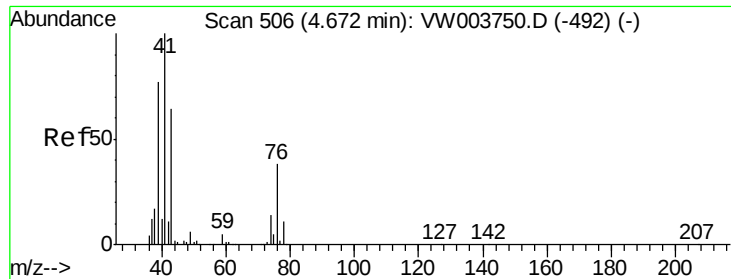
Tgt Ion: 76 Resp: 3617

Ion Ratio Lower Upper

76 100

78 12.2 7.4 11.2#

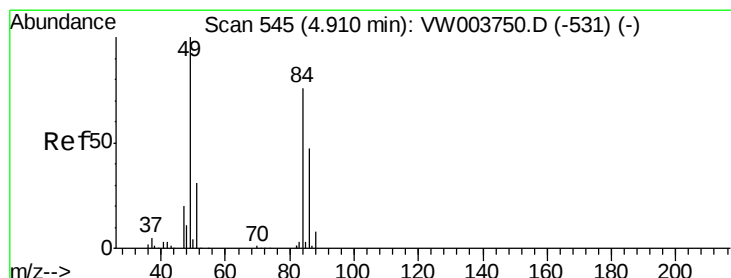
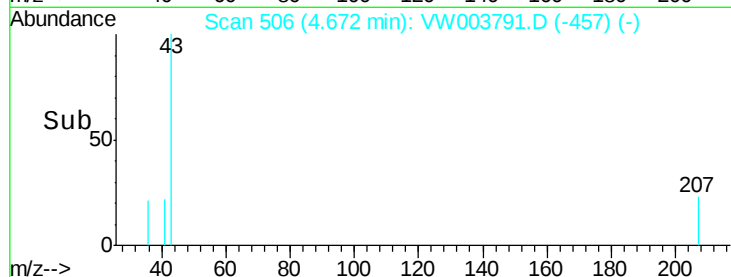
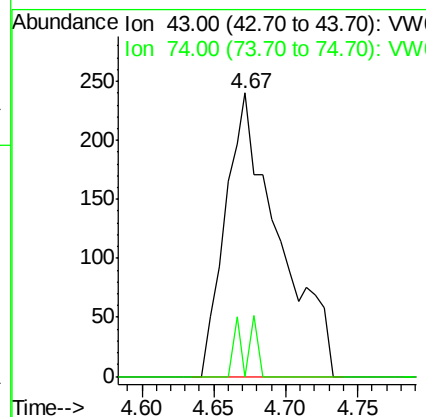
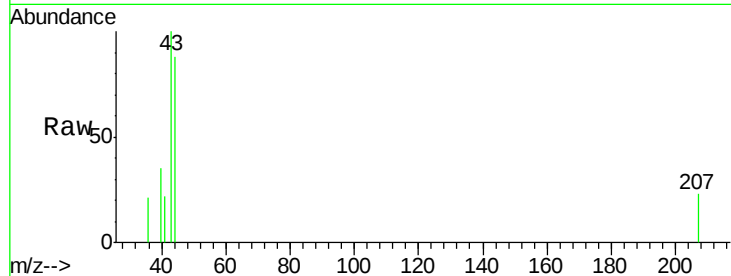




#18
Methyl Acetate
Concen: 1.298 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW003791.D
Acq: 09 Jul 2018 21:12

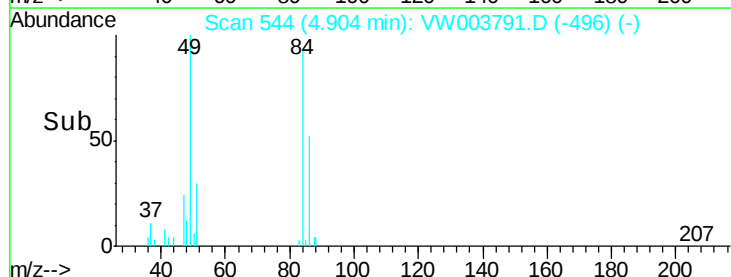
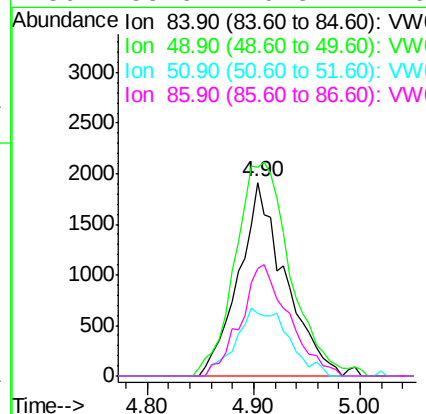
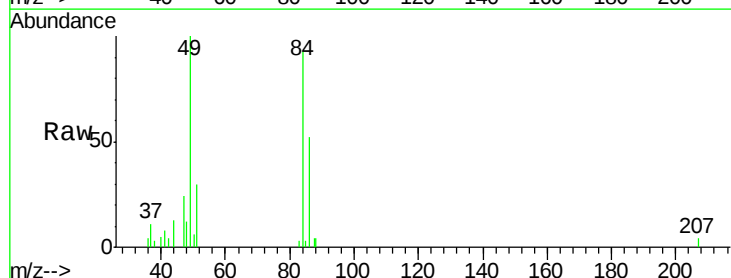
Instrument :
MSVOA_W
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EPE-108-6A(60-62)

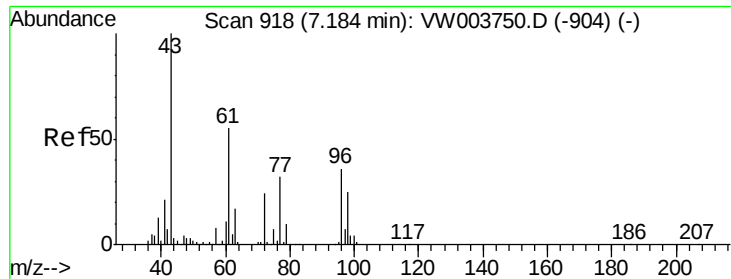
Tot Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
74 6.1 17.3 25.9#



#20
Methylene Chloride
Concen: 2.960 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003791.D
Acq: 09 Jul 2018 21:12

Tgt Ion: 84 Resp: 5838
Ion Ratio Lower Upper
84 100
49 107.6 105.1 157.7
51 32.5 32.5 48.7
86 55.6 49.8 74.6

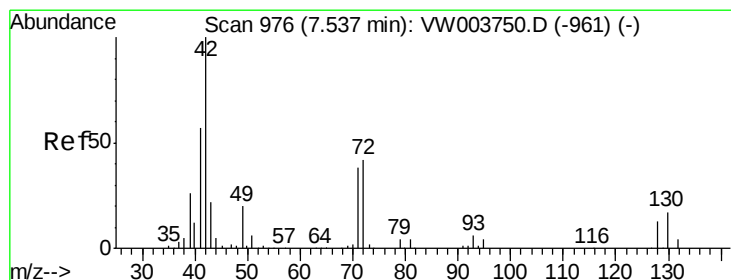
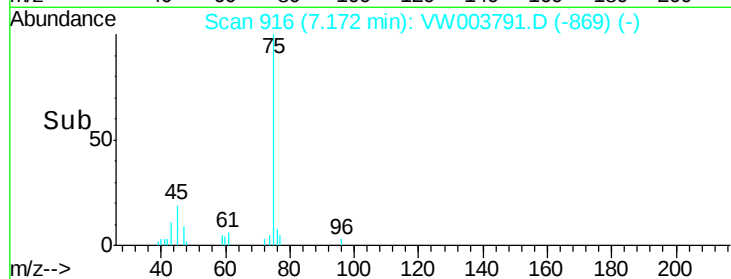
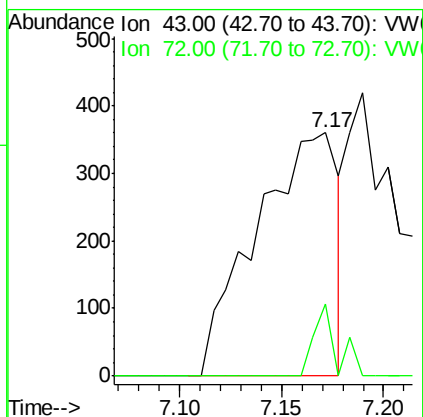
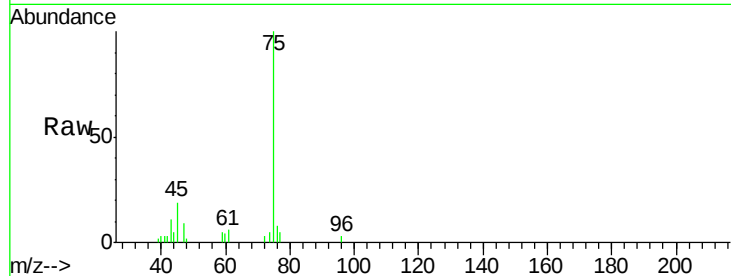




#25
2-Butanone
Concen: 3.795 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW003791.D
Acq: 09 Jul 2018 21:12

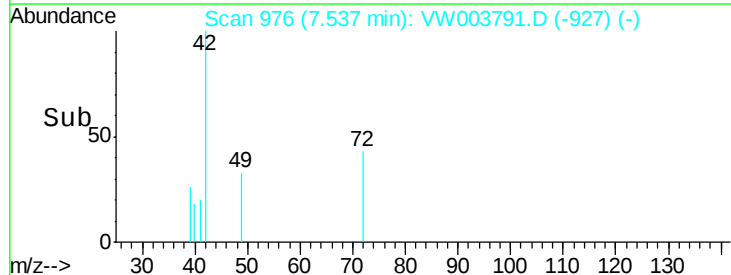
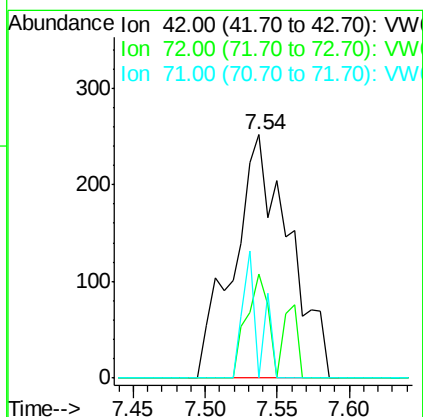
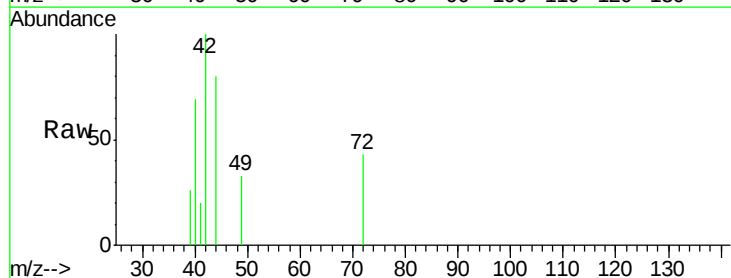
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-6A(60-62)

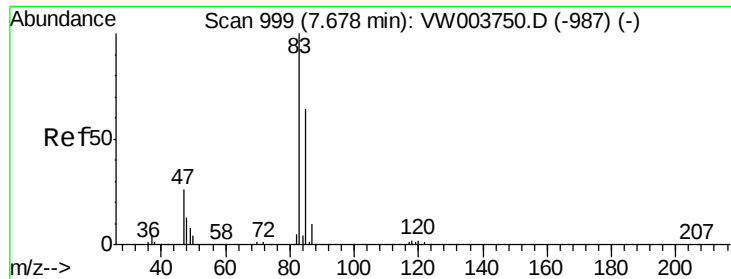
Tot Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
72 29.4 19.4 29.2#



#29
Tetrahydrofuran
Concen: 3.941 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003791.D
Acq: 09 Jul 2018 21:12

Tgt Ion: 42 Resp: 671
Ion Ratio Lower Upper
42 100
72 16.7 31.8 47.8#
71 15.4 30.3 45.5#

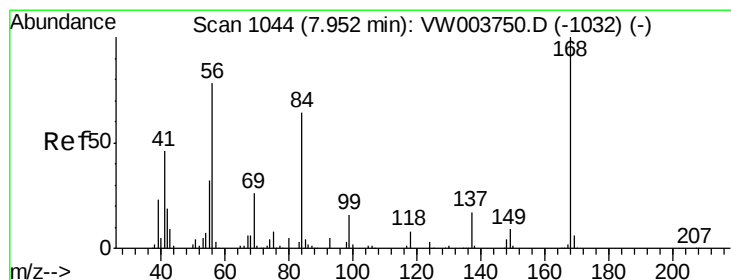
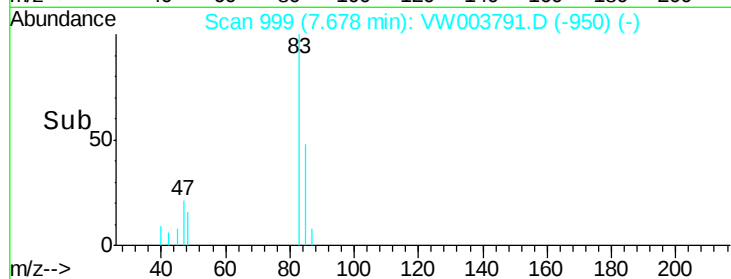
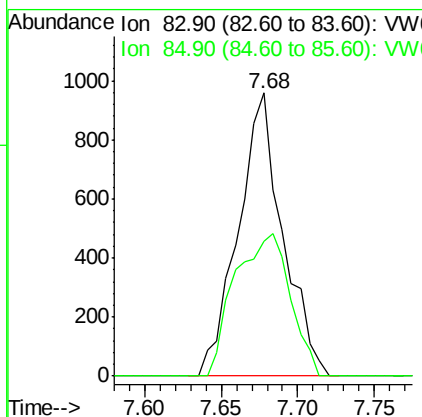
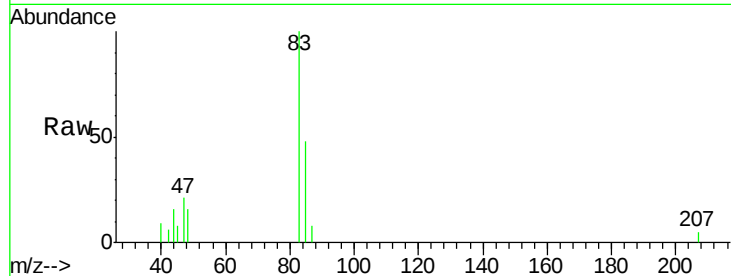




#30
Chloroform
Concen: 1.173 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003791.D
Acq: 09 Jul 2018 21:12

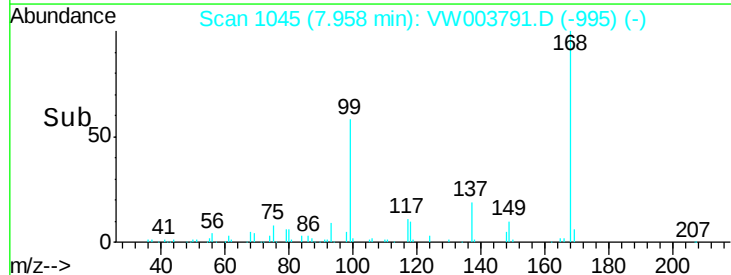
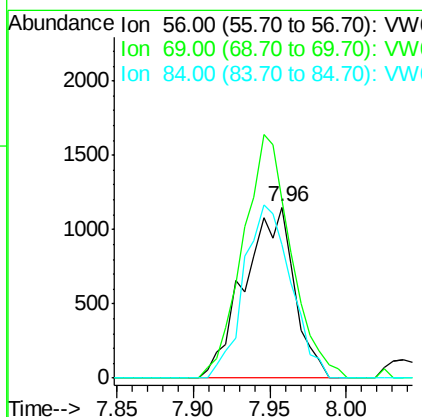
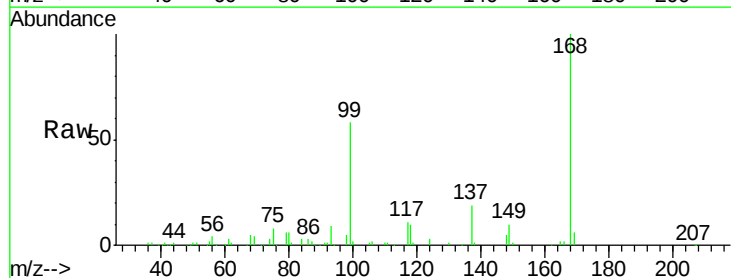
Instrument :
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EPE-108-6A(60-62)

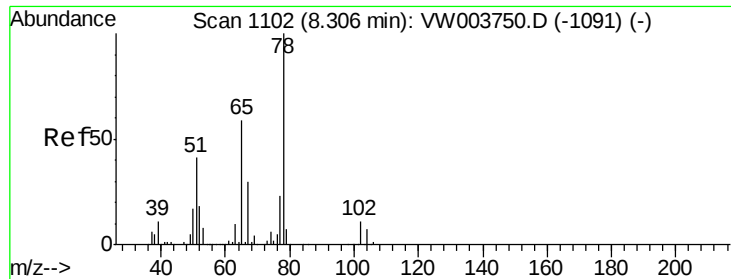
Tot Ion: 83 Resp: 1936
Ion Ratio Lower Upper
83 100
85 47.6 51.5 77.3#



#31
Cyclohexane
Concen: 1.828 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW003791.D
Acq: 09 Jul 2018 21:12

Tgt Ion: 56 Resp: 2600
Ion Ratio Lower Upper
56 100
69 104.1 26.2 39.4#
84 78.2 65.5 98.3





#33

1,2-Dichloroethane-d4

Concen: 60.798 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

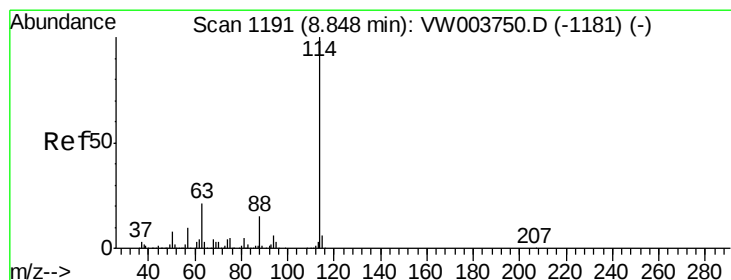
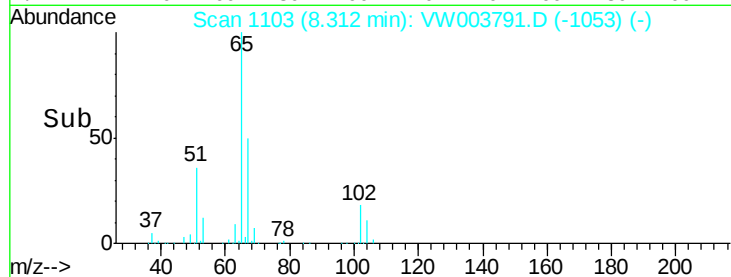
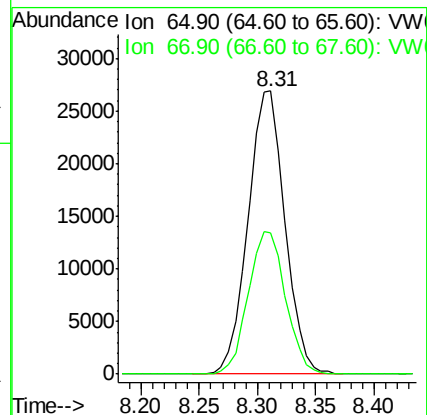
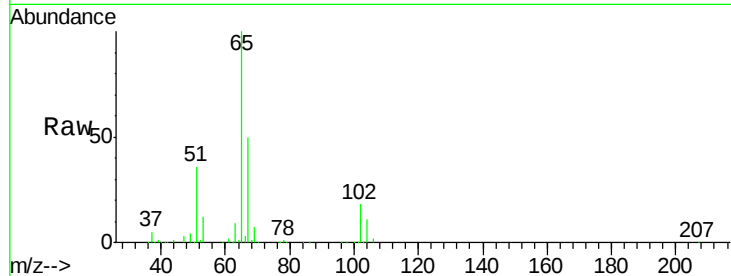
EPE-108-6A(60-62)

Tot Ion: 65 Resp: 59252

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

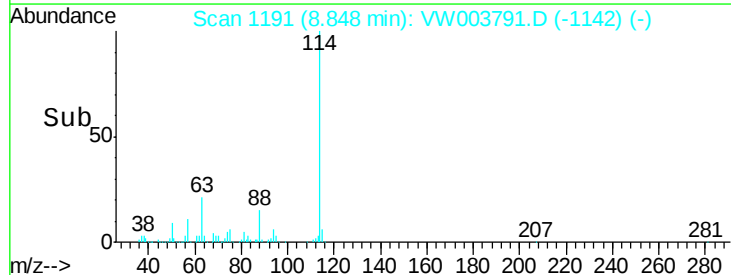
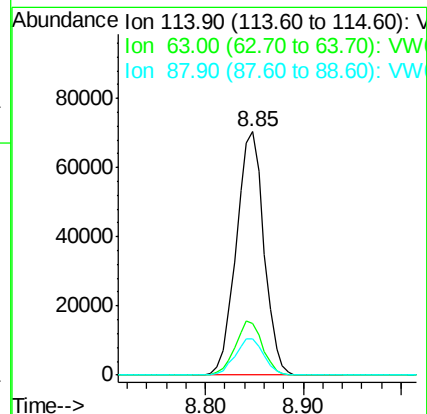
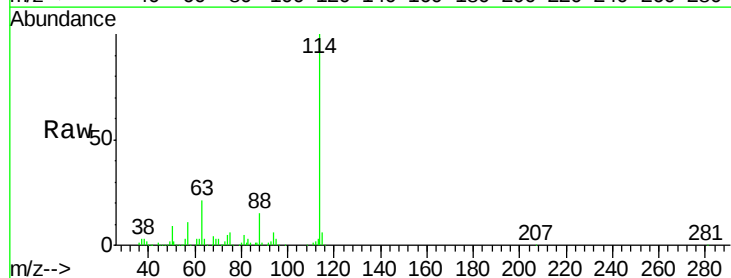
Tgt Ion: 114 Resp: 137910

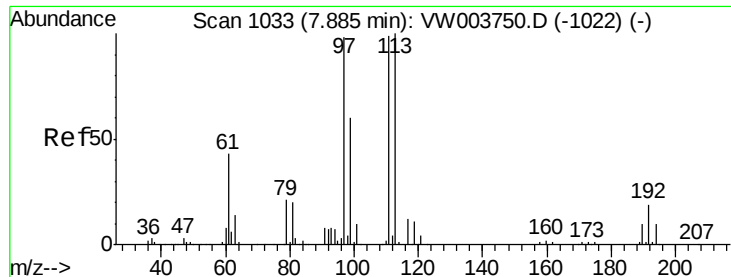
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

88 14.8 0.0 30.2

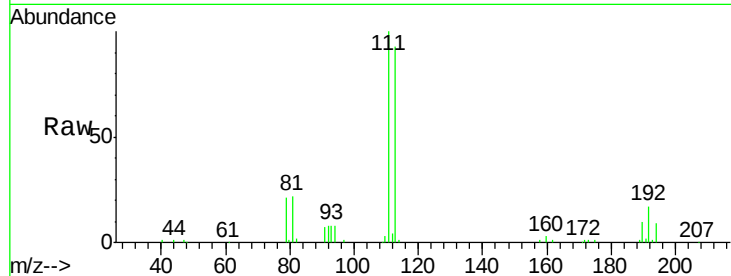




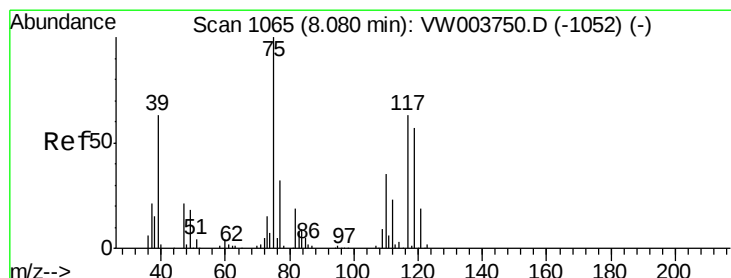
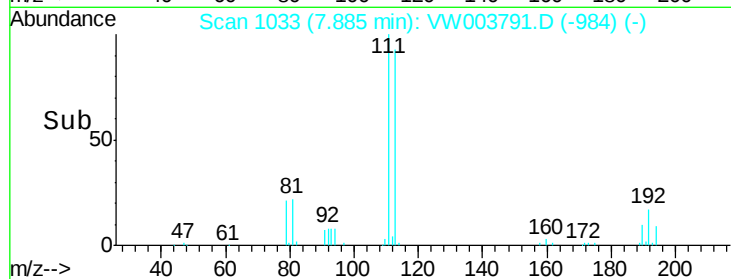
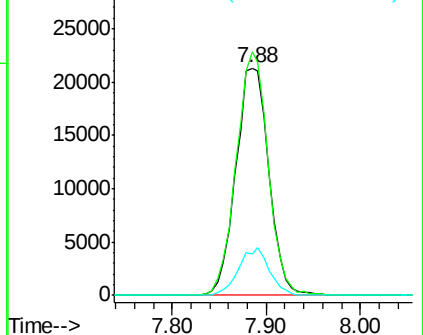
#35
 Dibromofluoromethane
 Concen: 54.168 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003791.D
 Acq: 09 Jul 2018 21:12

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-6A(60-62)

Tot Ion:113 Resp: 52284
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.7 122.5
 192 19.7 15.8 23.8

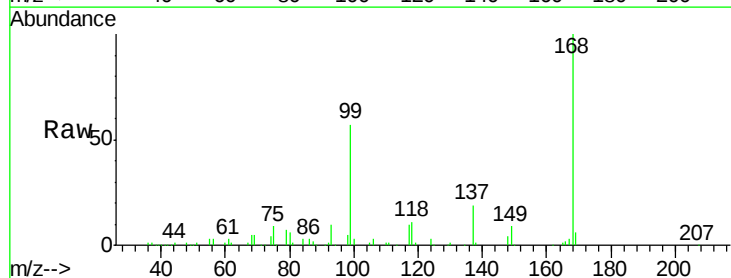


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

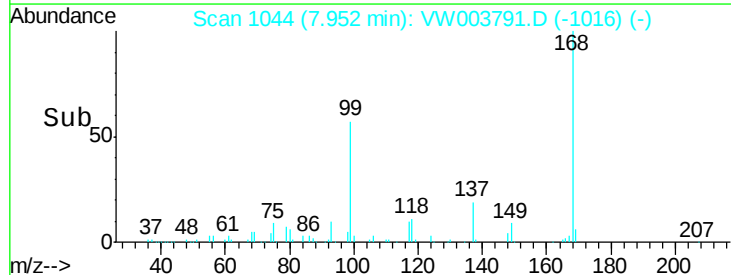
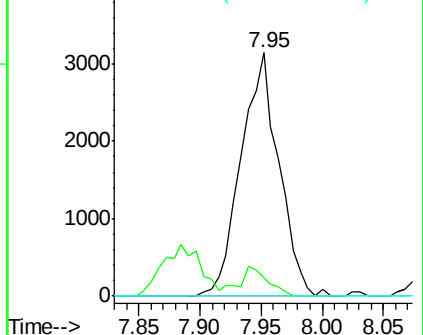


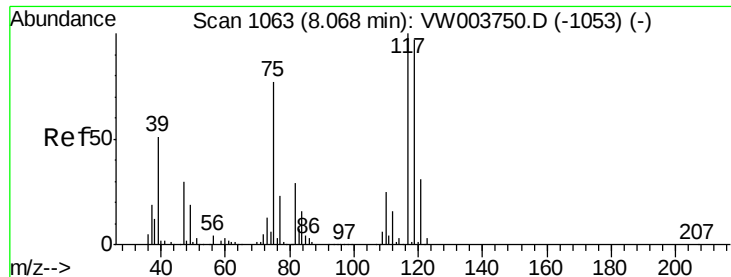
#36
 1,1-Dichloropropene
 Concen: 4.627 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003791.D
 Acq: 09 Jul 2018 21:12

Tgt Ion: 75 Resp: 6771
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

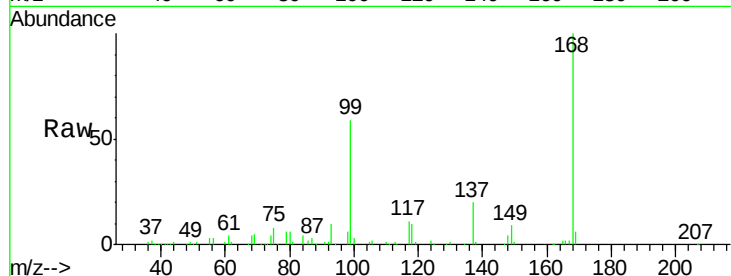




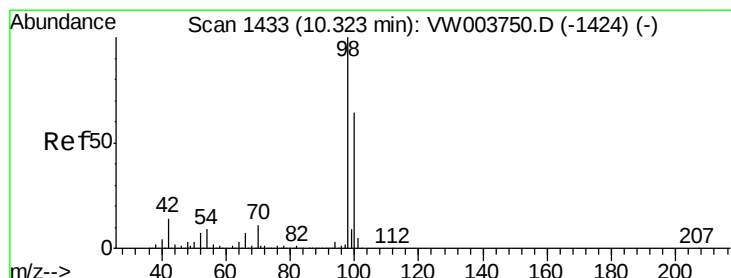
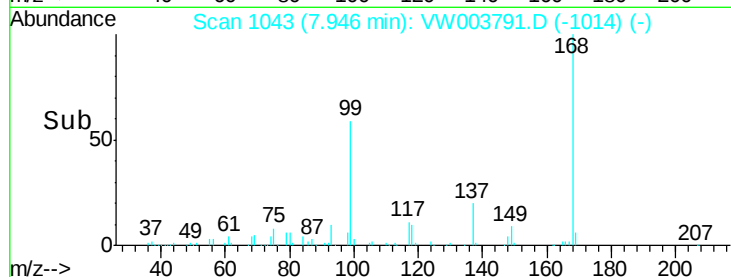
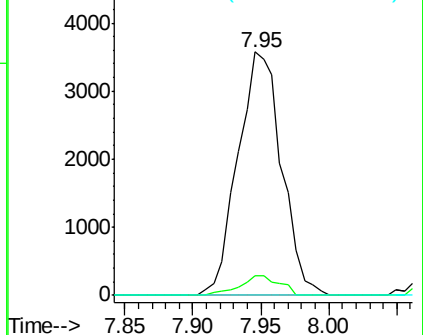
#38
Carbon Tetrachloride
Concen: 5.766 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003791.D
Acq: 09 Jul 2018 21:12

Instrument :
MSVOA_W
ClientSampleId :
EPE-108-6A(60-62)

Tot Ion:117 Resp: 8022
Ion Ratio Lower Upper
117 100
119 8.2 77.4 116.2#
121 0.0 24.6 37.0#

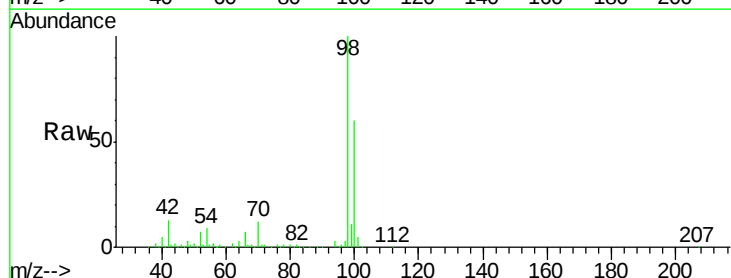


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

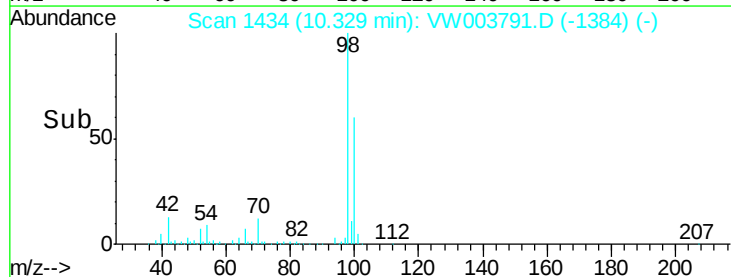
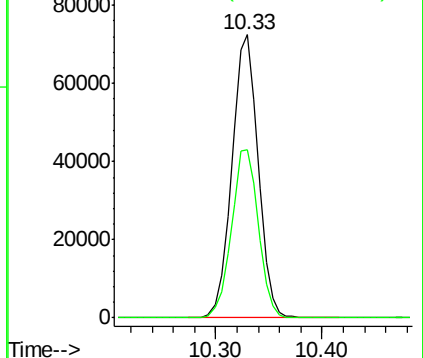


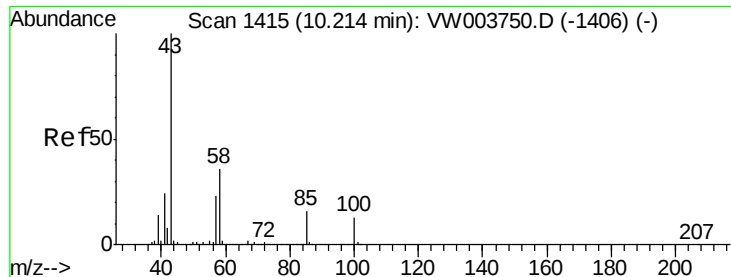
#50
Toluene-d8
Concen: 33.940 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003791.D
Acq: 09 Jul 2018 21:12

Tgt Ion: 98 Resp: 125313
Ion Ratio Lower Upper
98 100
100 60.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.220 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

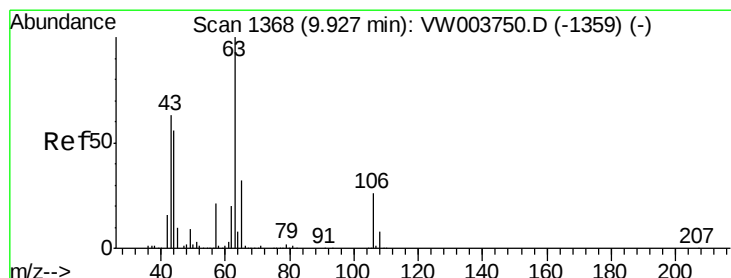
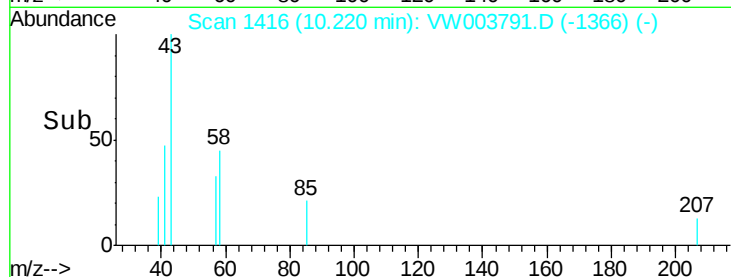
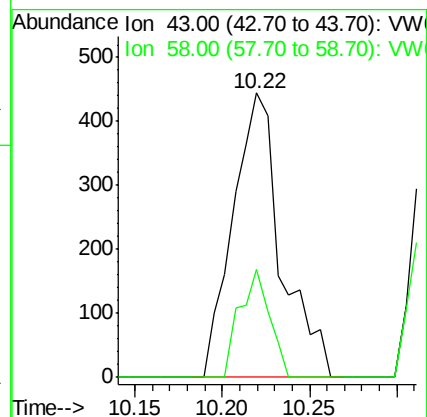
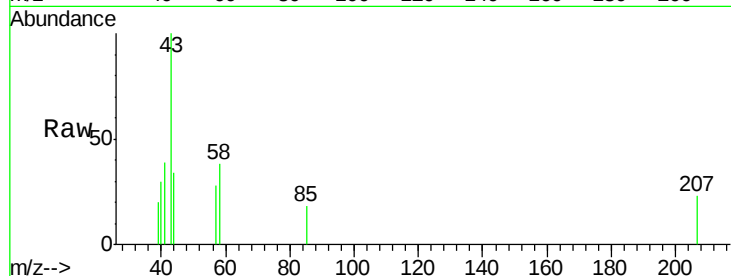
EPE-108-6A(60-62)

Tot Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

58 23.2 29.3 43.9#



#58

2-Chloroethyl Vinyl ether

Concen: 13.348 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VW003791.D

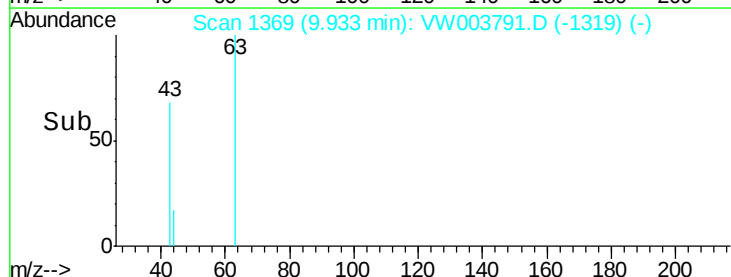
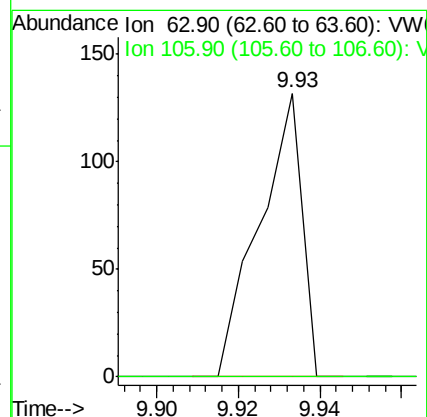
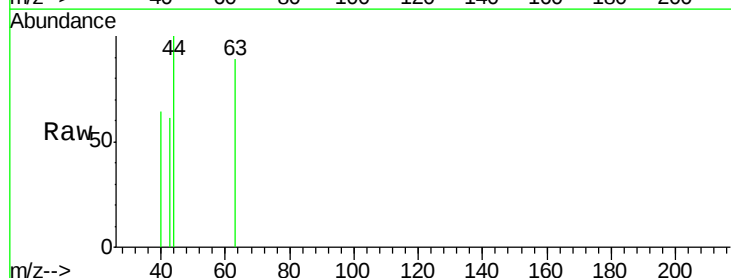
Acq: 09 Jul 2018 21:12

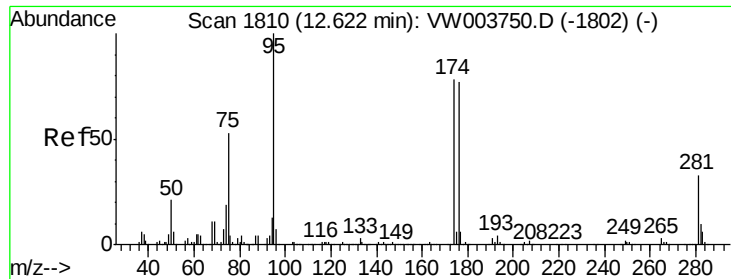
Tgt Ion: 63 Resp: 97

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#





#62

4-Bromofluorobenzene

Concen: 21.885 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-6A(60-62)

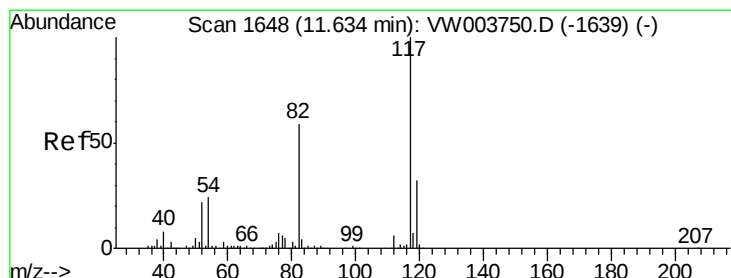
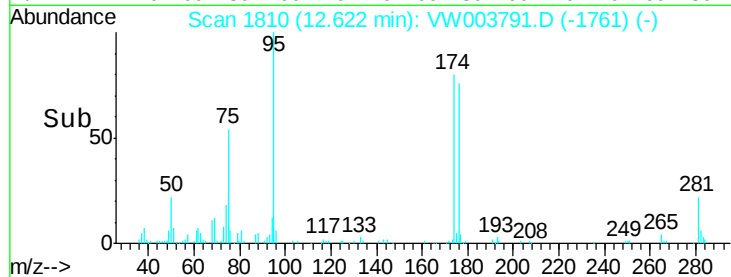
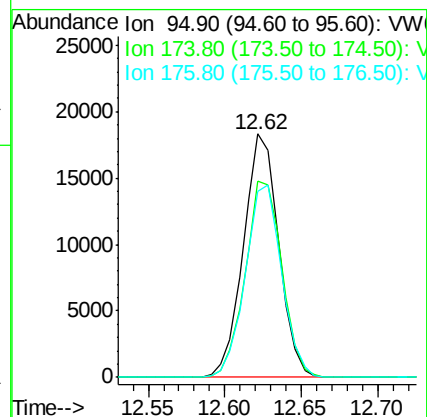
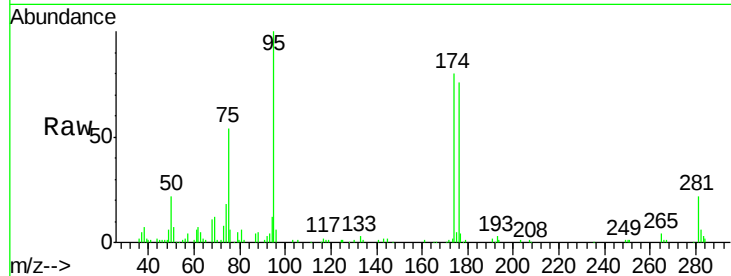
Tot Ion: 95 Resp: 29236

Ion Ratio Lower Upper

95 100

174 83.8 0.0 163.4

176 81.4 0.0 156.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

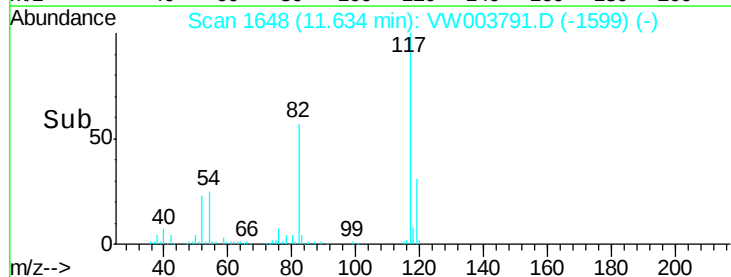
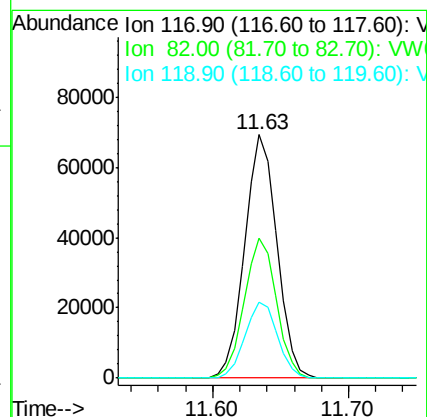
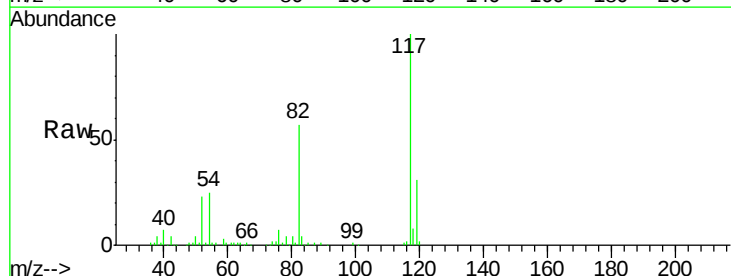
Tgt Ion: 117 Resp: 114514

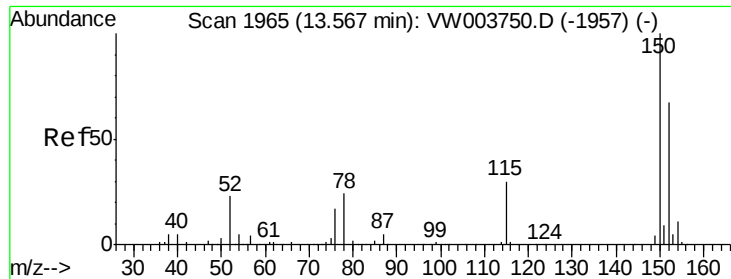
Ion Ratio Lower Upper

117 100

82 57.3 46.9 70.3

119 31.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-6A(60-62)

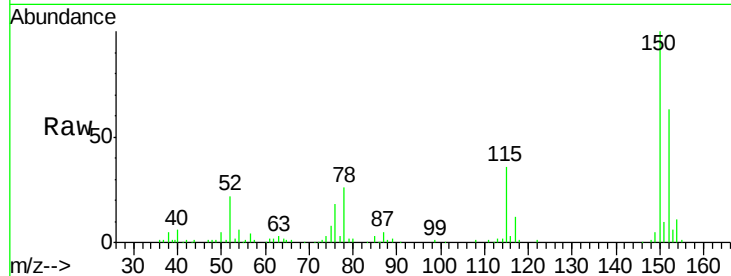
Tot Ion:152 Resp: 27358

Ion Ratio Lower Upper

152 100

115 59.0 28.9 86.8

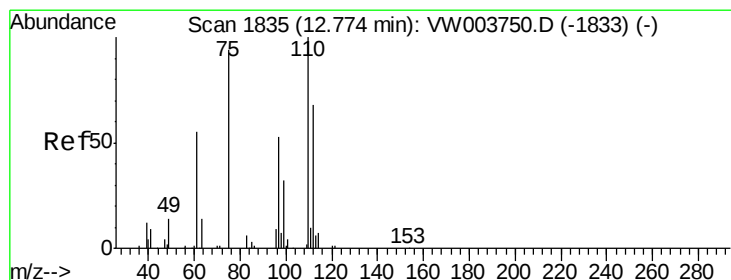
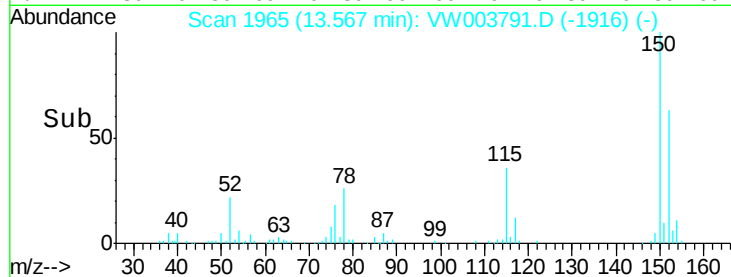
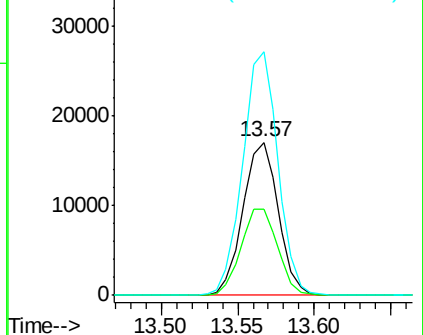
150 158.6 0.0 342.4



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: 60.539 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003791.D

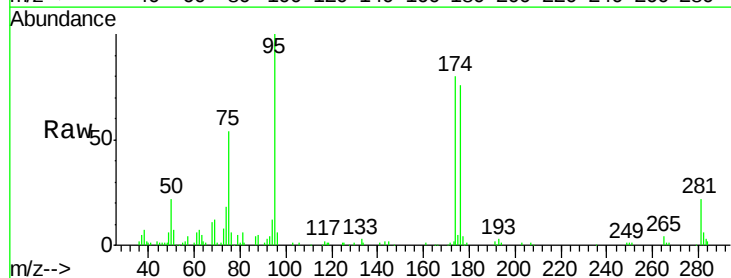
Acq: 09 Jul 2018 21:12

Tgt Ion: 75 Resp: 16264

Ion Ratio Lower Upper

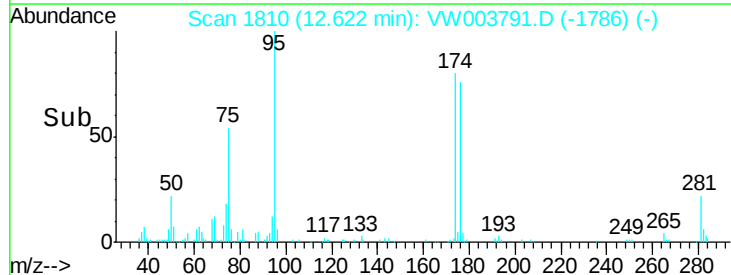
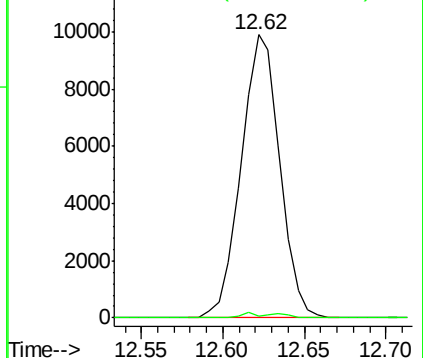
75 100

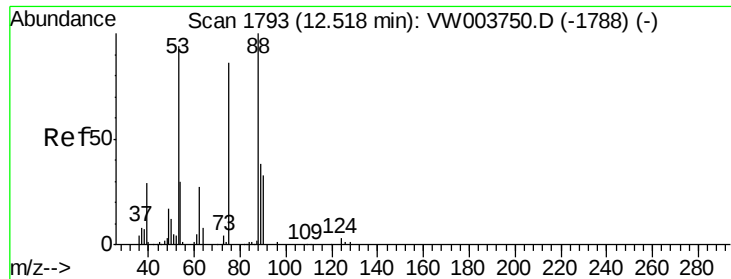
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 148.094 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-6A(60-62)

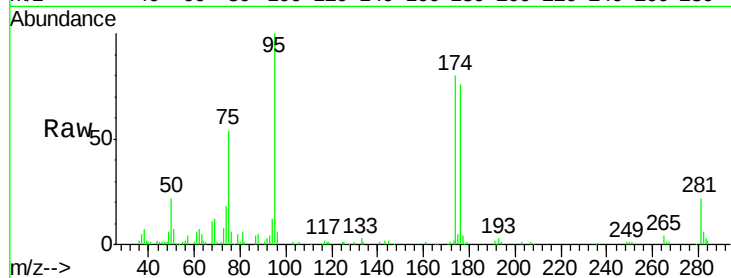
Tot Ion: 75 Resp: 16264

Ion Ratio Lower Upper

75 100

53 0.1 85.0 127.6#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

