

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003840.D
 Acq On : 10 Jul 2018 21:43
 Operator : SY/AP
 Sample : J3886-01RE
 Misc : 6.22G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-6A(55-57)RE

Quant Time: Jul 11 04:45:27 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	50384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	81258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	62700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	15986	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	23958	36.36	ug/l	0.00
Spiked Amount			Recovery	=	72.72%	
35) Dibromofluoromethane	7.88	113	21823	38.37	ug/l	0.00
Spiked Amount			Recovery	=	76.74%	
50) Toluene-d8	10.32	98	51603	23.72	ug/l	0.00
Spiked Amount			Recovery	=	47.44%	
62) 4-Bromofluorobenzene	12.62	95	11533	14.65	ug/l	0.00
Spiked Amount			Recovery	=	29.30%	

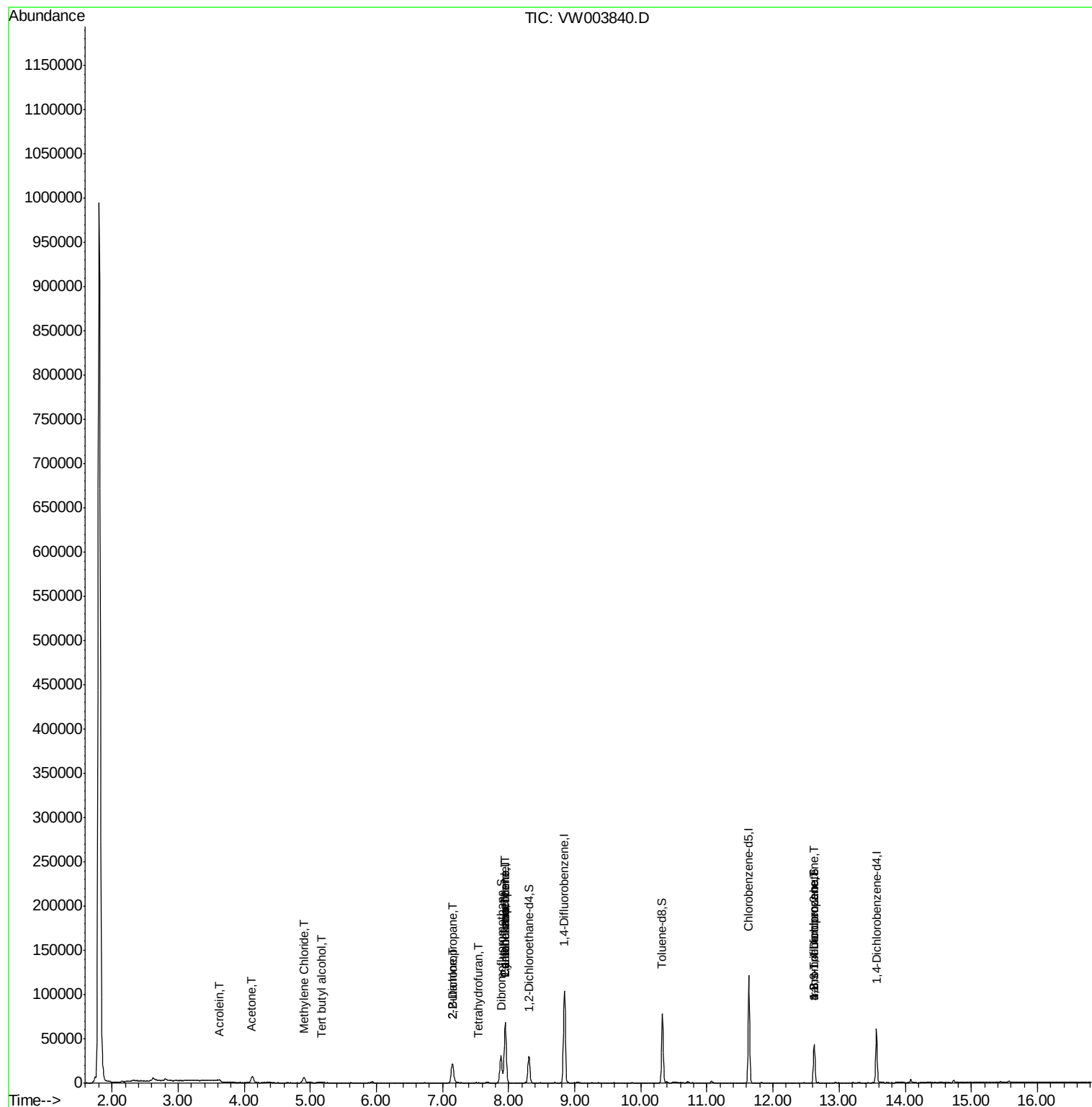
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	627	17.560	ug/l #	93
13) Acrolein	3.64	56	45	5.485	ug/l #	14
16) Acetone	4.12	43	13379	117.037	ug/l #	87
20) Methylene Chloride	4.90	84	4072	3.206	ug/l	93
25) 2-Butanone	7.15	43	1643	9.176	ug/l #	51
26) 2,2-Dichloropropane	7.14	77	1408	2.373	ug/l #	53
29) Tetrahydrofuran	7.54	42	133	1.156	ug/l #	36
31) Cyclohexane	7.95	56	1333	1.386	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	4482	5.198	ug/l #	52
38) Carbon Tetrachloride	7.96	117	5004	6.104	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	6673	42.509	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6673	103.986	ug/l #	7

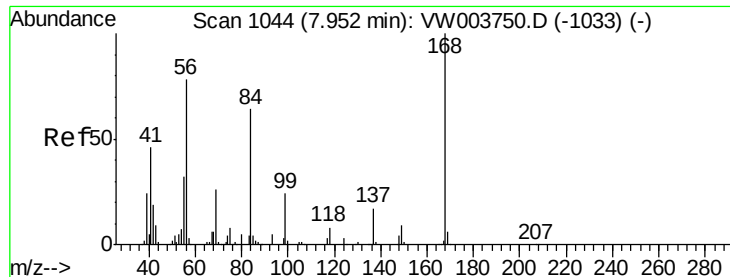
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW003840.D

Acq: 10 Jul 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

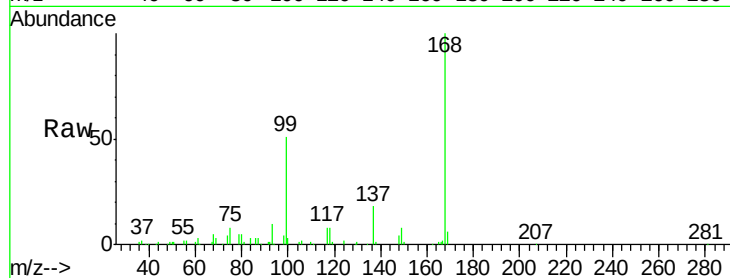
EPE-108-6A(55-57)RE

Tot Ion:168 Resp: 50384

Ion Ratio Lower Upper

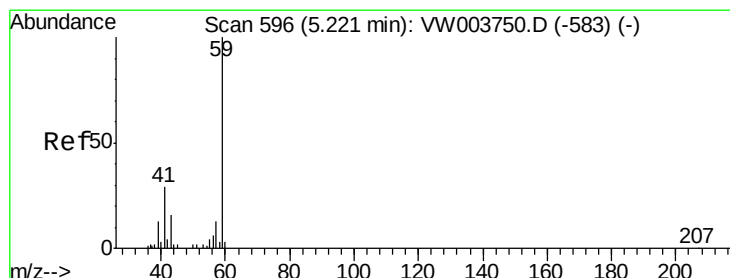
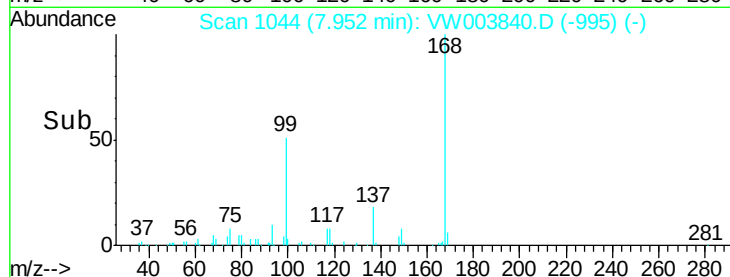
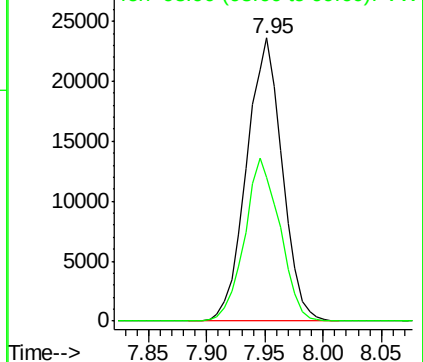
168 100

99 50.8 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: 17.560 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.06 min

Lab File: VW003840.D

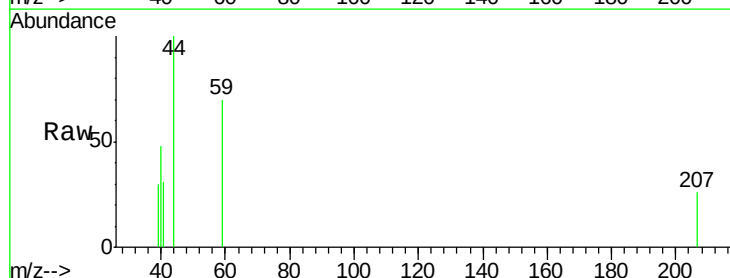
Acq: 10 Jul 2018 21:43

Tgt Ion: 59 Resp: 627

Ion Ratio Lower Upper

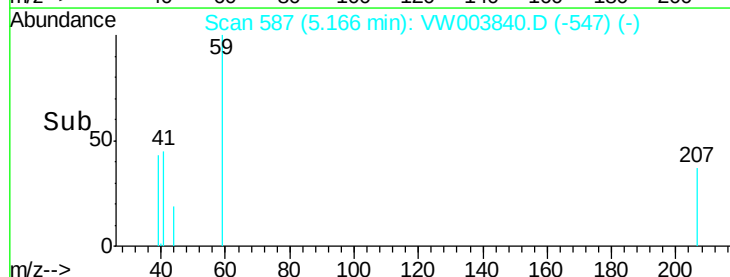
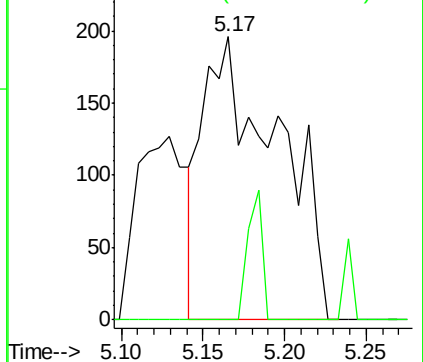
59 100

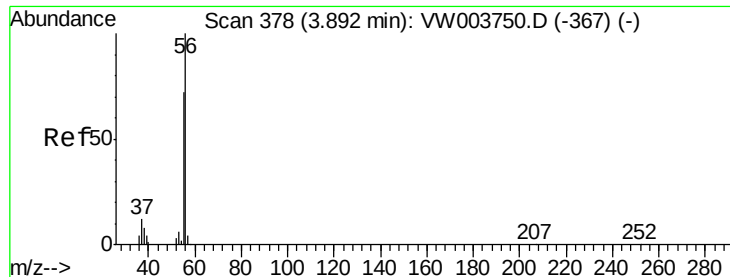
57 8.9 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.485 ug/l

RT: 3.64 min Scan# 336

Delta R.T. -0.26 min

Lab File: VW003840.D

Acq: 10 Jul 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

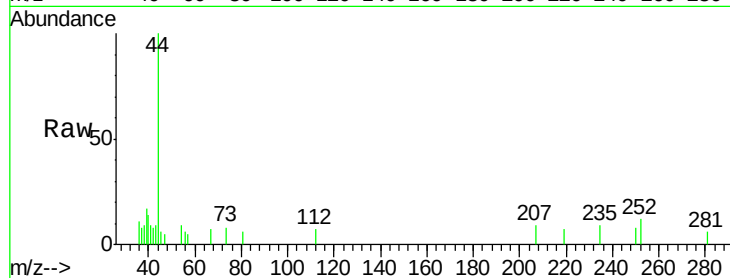
EPE-108-6A(55-57)RE

Tot Ion: 56 Resp: 45

Ion Ratio Lower Upper

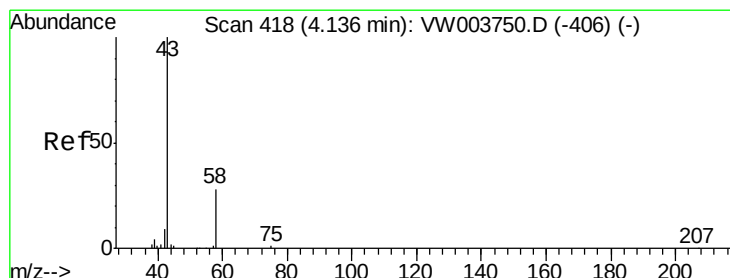
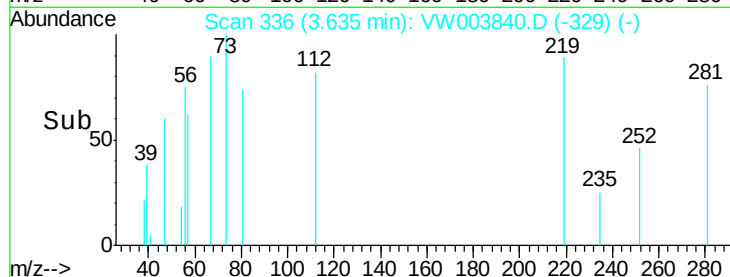
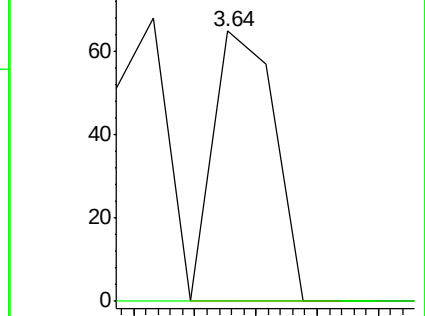
56 100

55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 117.037 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003840.D

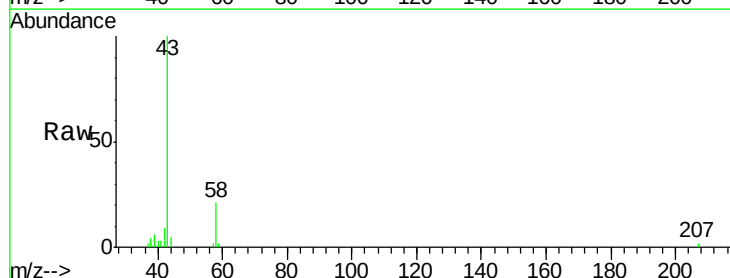
Acq: 10 Jul 2018 21:43

Tgt Ion: 43 Resp: 13379

Ion Ratio Lower Upper

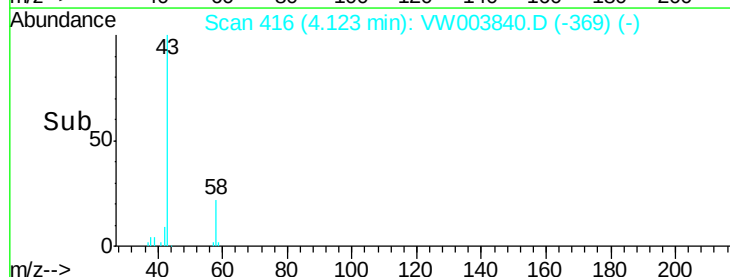
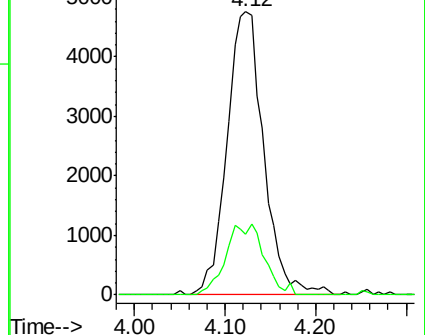
43 100

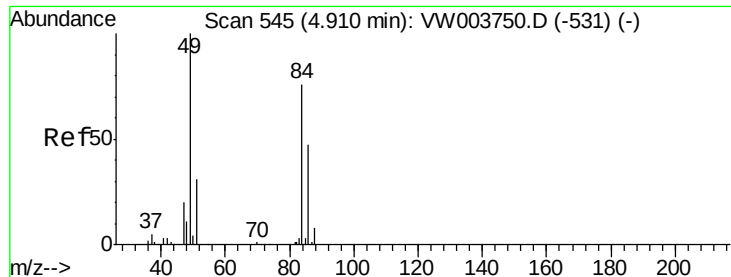
58 21.3 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

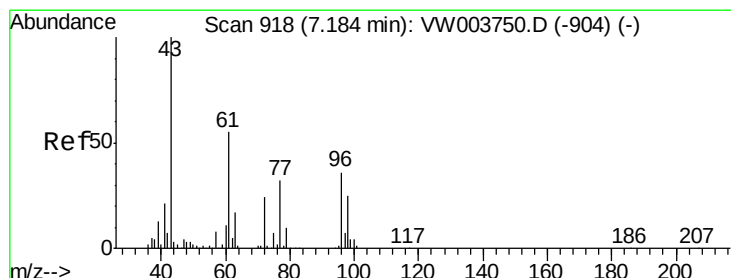
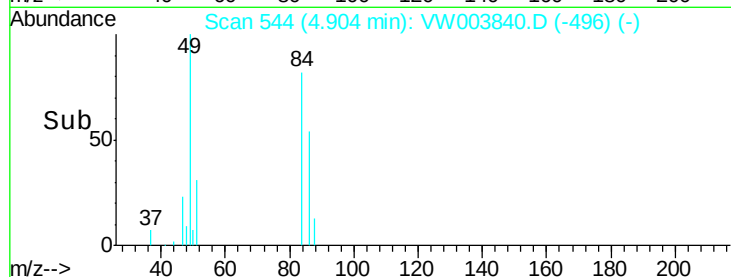
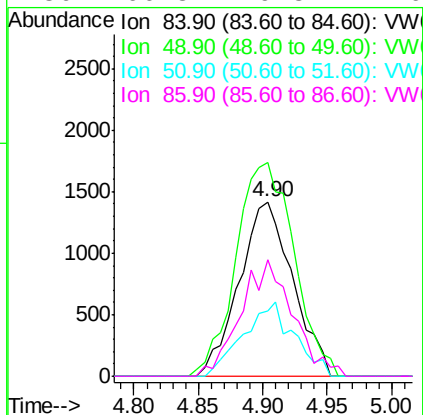
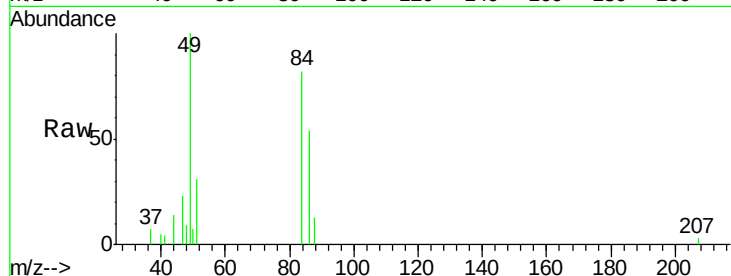




#20
Methvlene Chloride
Concen: 3.206 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003840.D
Acq: 10 Jul 2018 21:43

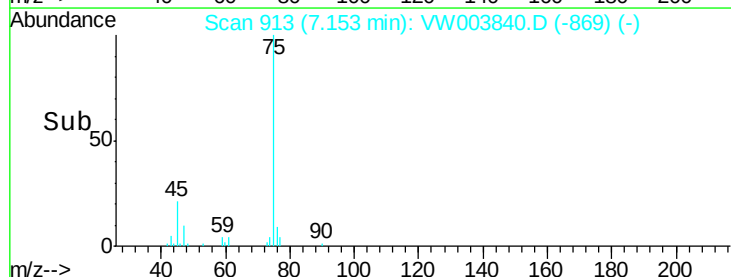
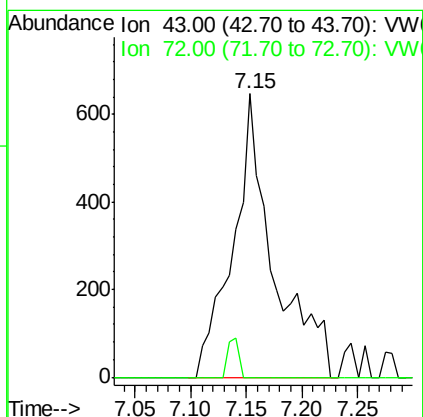
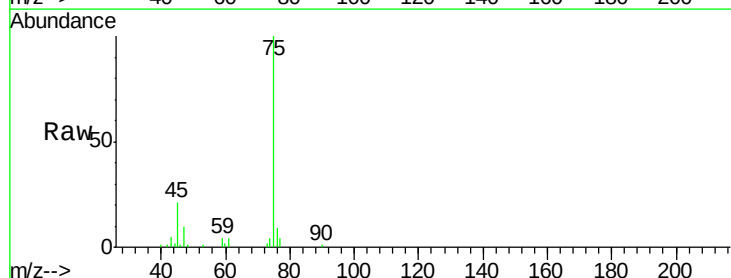
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-6A(55-57)RE

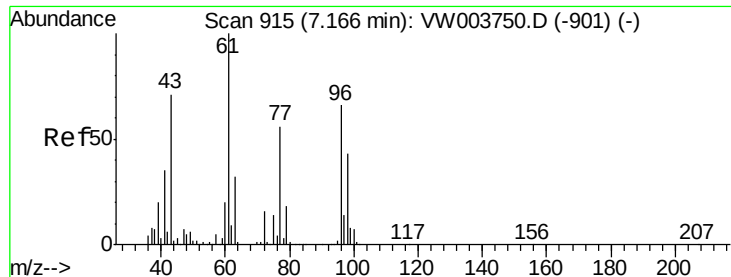
Tot Ion: 84 Resp: 4072
Ion Ratio Lower Upper
84 100
49 122.3 105.1 157.7
51 37.5 32.5 48.7
86 66.3 49.8 74.6



#25
2-Butanone
Concen: 9.176 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.03 min
Lab File: VW003840.D
Acq: 10 Jul 2018 21:43

Tgt Ion: 43 Resp: 1643
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#





#26

2,2-Dichloropropane

Concen: 2.373 ug/l

RT: 7.14 min Scan# 911

Delta R.T. -0.02 min

Lab File: VW003840.D

Acq: 10 Jul 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

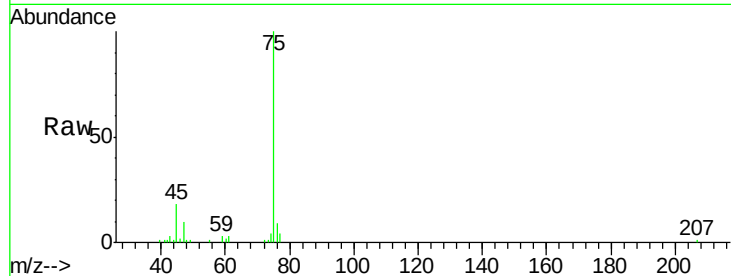
EPE-108-6A(55-57)RE

Tot Ion: 77 Resp: 1408

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.14

500

400

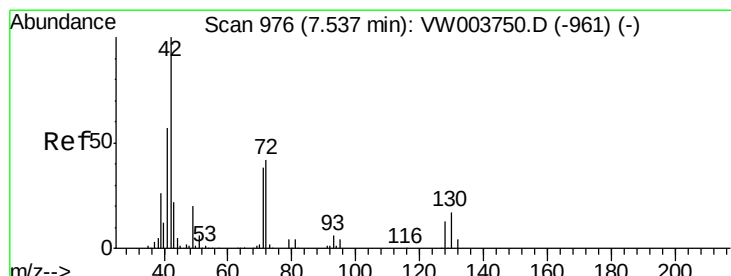
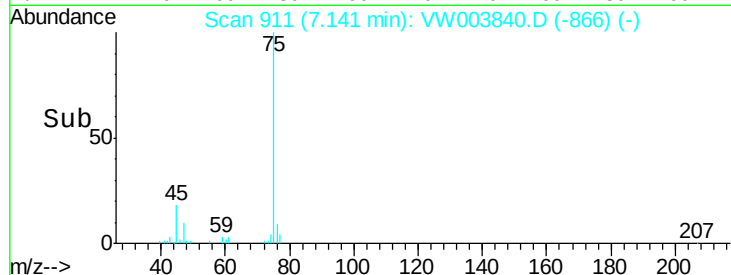
300

200

100

0

Time--> 7.05 7.10 7.15 7.20



#29

Tetrahydrofuran

Concen: 1.156 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003840.D

Acq: 10 Jul 2018 21:43

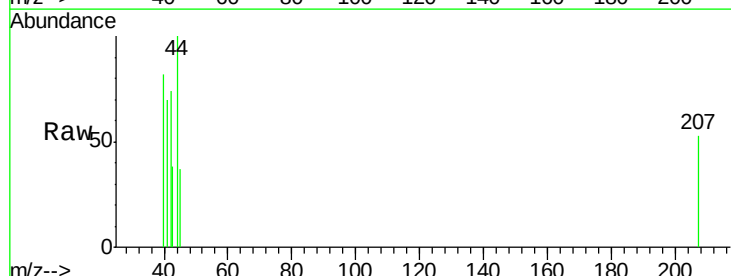
Tgt Ion: 42 Resp: 133

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

71 0.0 30.3 45.5#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

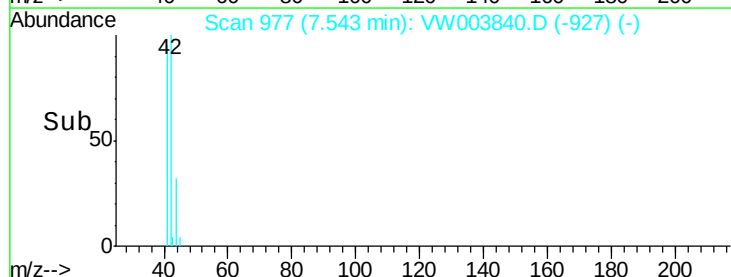
150

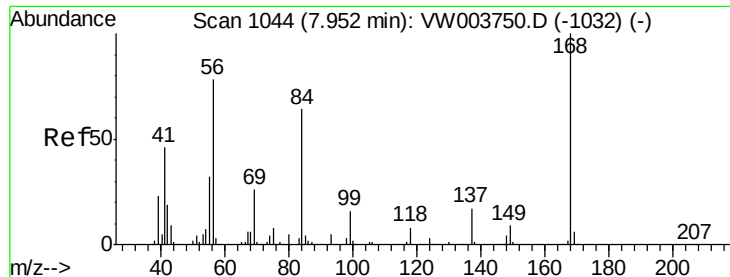
100

50

0

Time--> 7.52 7.54 7.56





#31

Cyclohexane

Concen: 1.386 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003840.D

Acq: 10 Jul 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

EPE-108-6A(55-57)RE

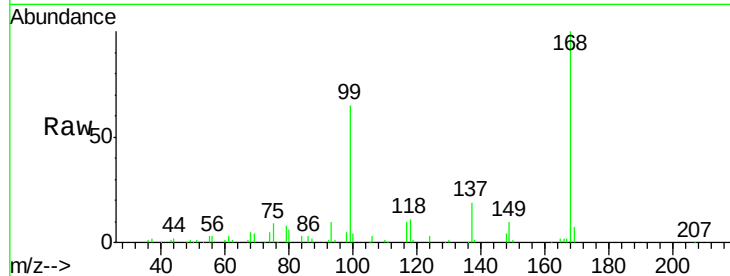
Tot Ion: 56 Resp: 1333

Ion Ratio Lower Upper

56 100

69 150.5 26.2 39.4#

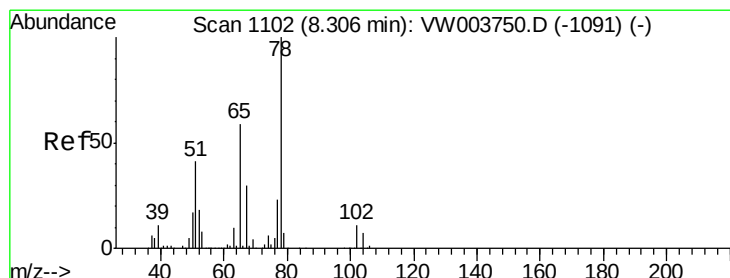
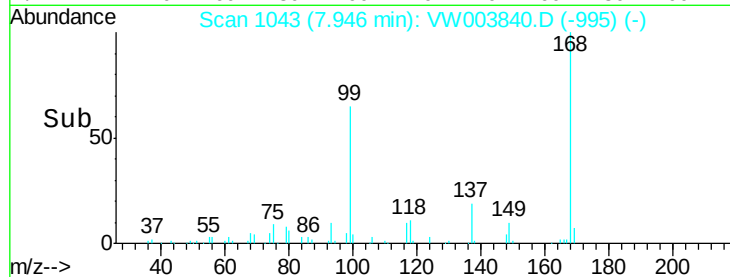
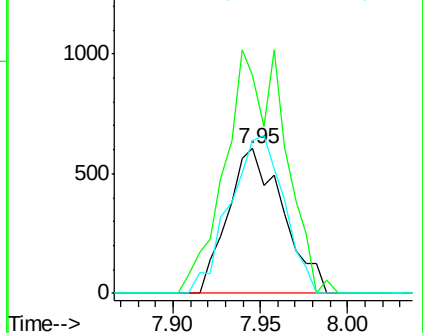
84 105.6 65.5 98.3#



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: 36.362 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003840.D

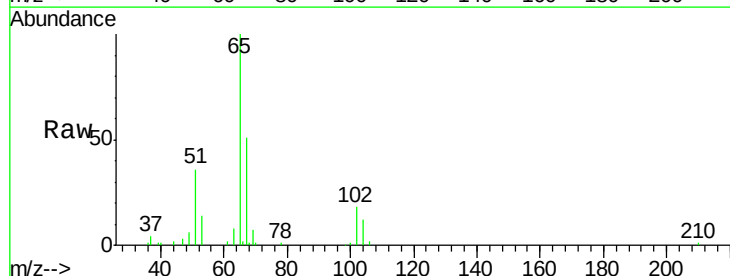
Acq: 10 Jul 2018 21:43

Tgt Ion: 65 Resp: 23958

Ion Ratio Lower Upper

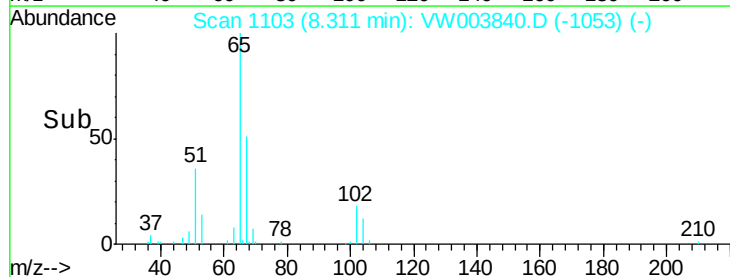
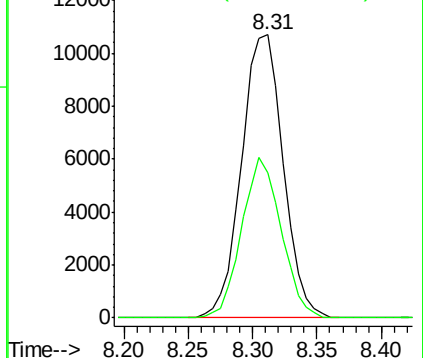
65 100

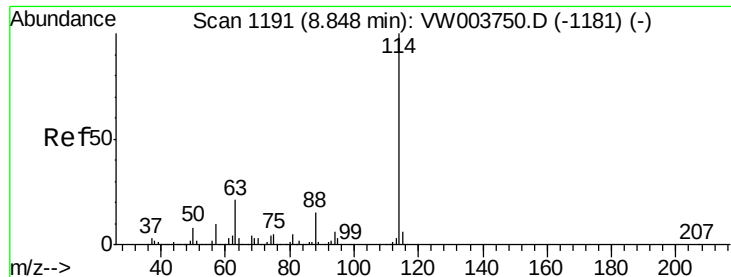
67 53.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

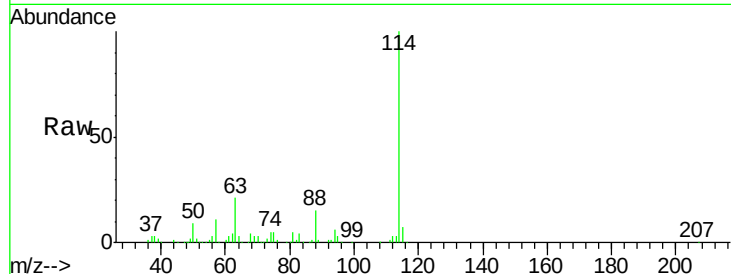




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003840.D
 Acq: 10 Jul 2018 21:43

Instrument :
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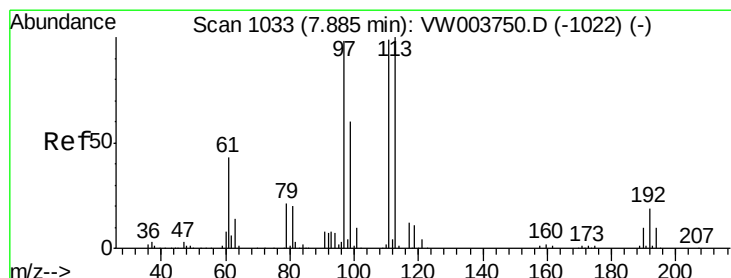
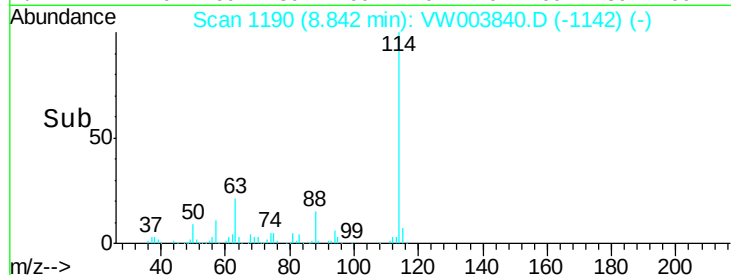
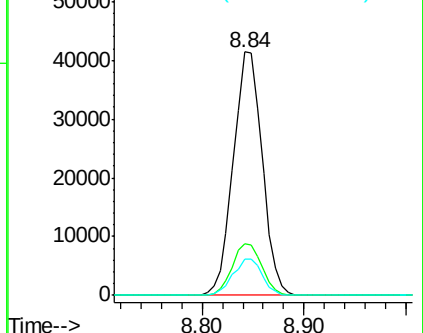
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.8
88	15.1	0.0	30.2



Abundance Ion 113.90 (113.60 to 114.60): V

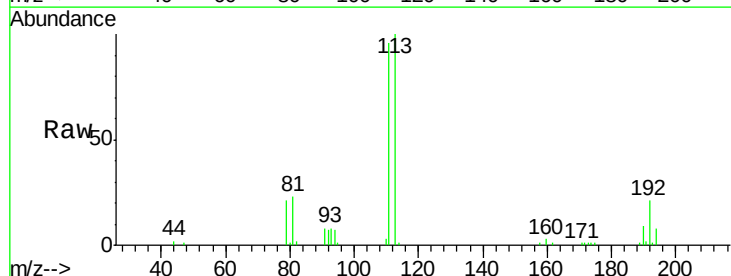
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 38.373 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003840.D
 Acq: 10 Jul 2018 21:43

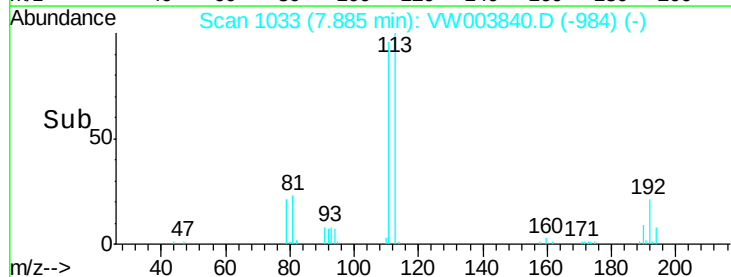
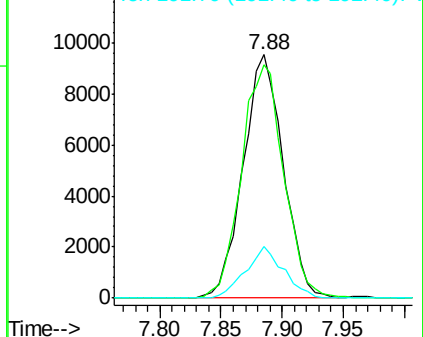
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.7	122.5
192	19.9	15.8	23.8

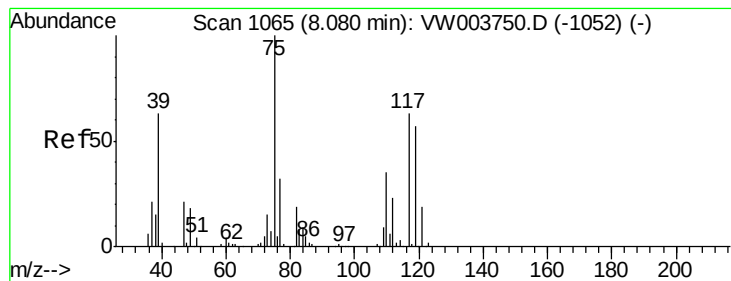


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.198 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003840.D

Acq: 10 Jul 2018 21:43

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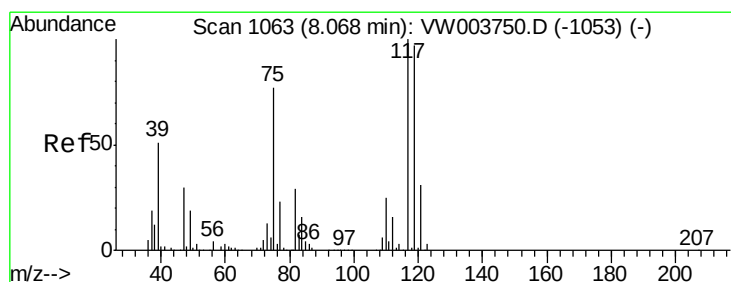
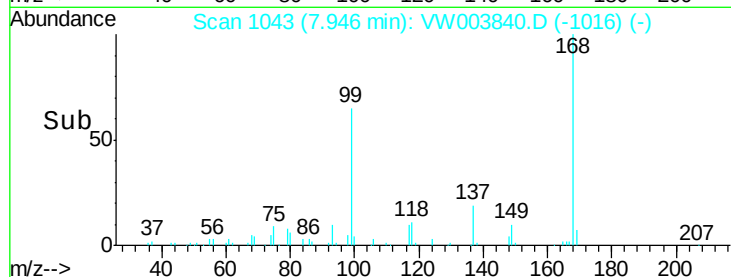
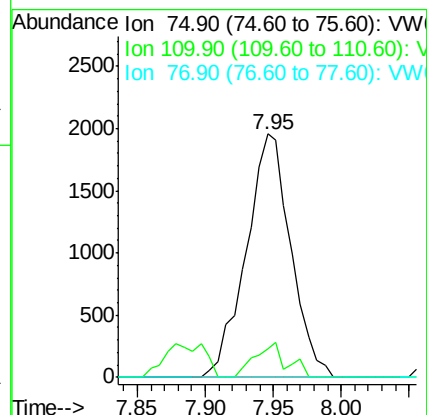
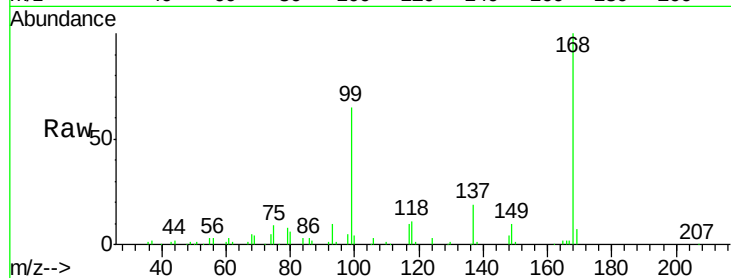
Tot Ion: 75 Resp: 4482

Ion Ratio Lower Upper

75 100

110 10.2 16.9 50.6#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.104 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.11 min

Lab File: VW003840.D

Acq: 10 Jul 2018 21:43

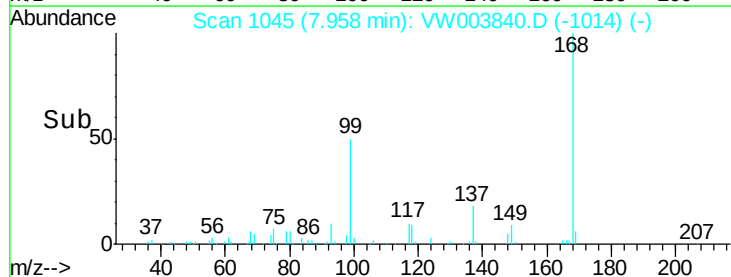
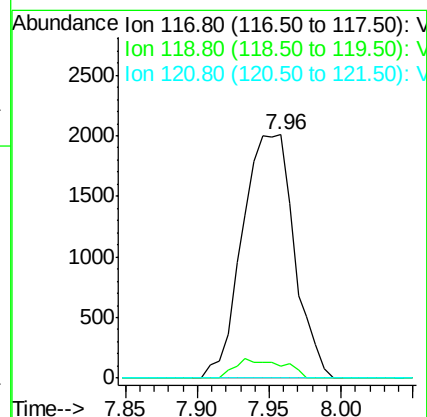
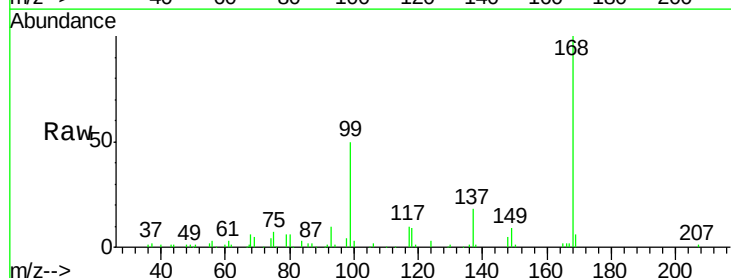
Tgt Ion: 117 Resp: 5004

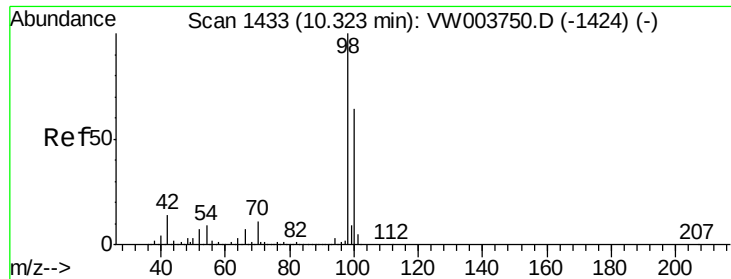
Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.2#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 23.721 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VW003840.D

Acq: 10 Jul 2018 21:43

Instrument :

MSVOA_W

ClientSampleId :

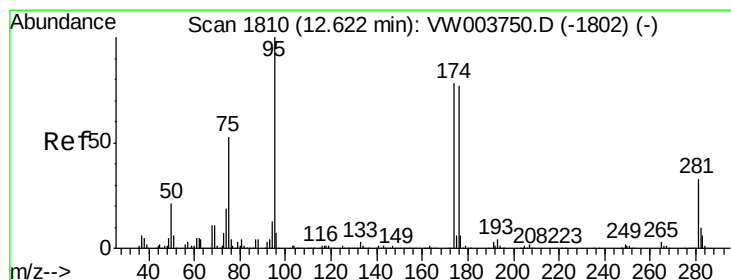
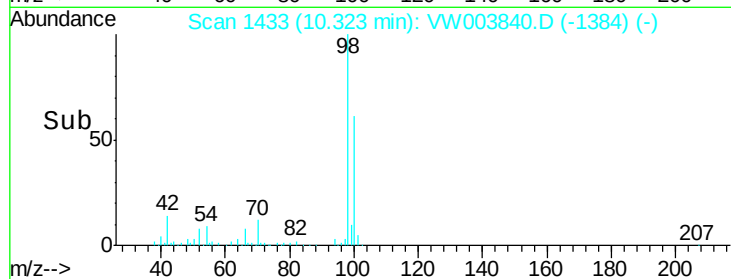
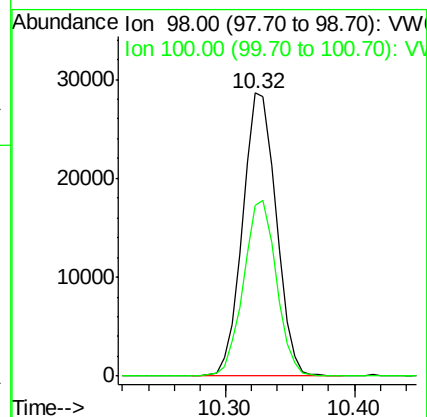
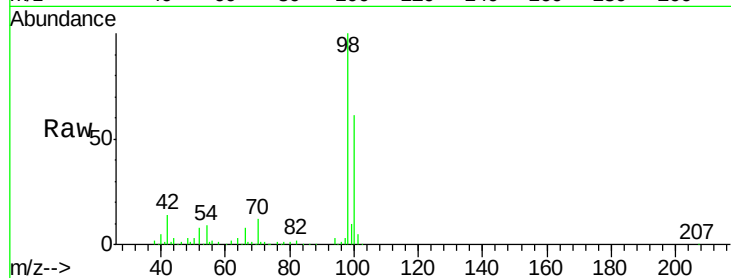
EPE-108-6A(55-57)RE

Tot Ion: 98 Resp: 51603

Ion Ratio Lower Upper

98 100

100 60.6 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 14.652 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003840.D

Acq: 10 Jul 2018 21:43

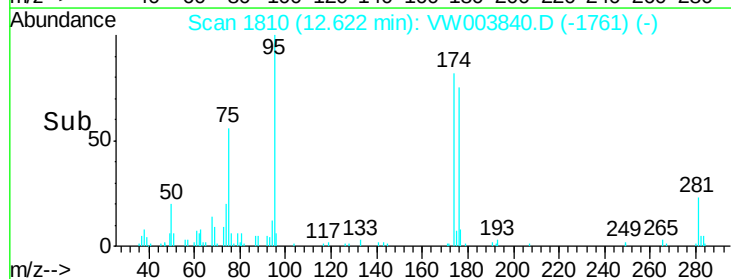
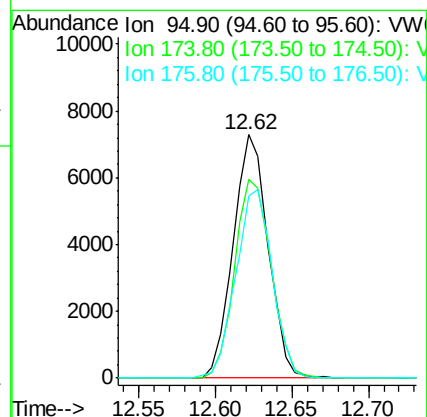
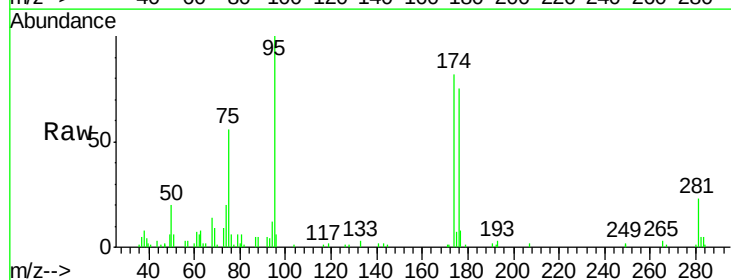
Tgt Ion: 95 Resp: 11533

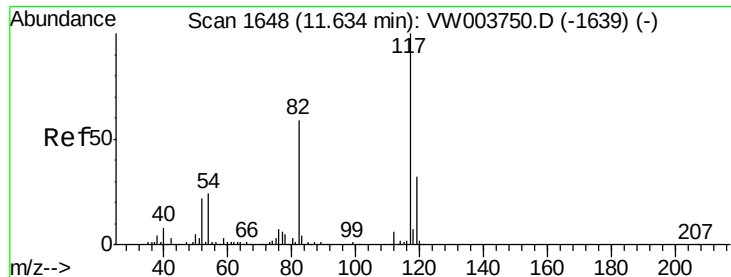
Ion Ratio Lower Upper

95 100

174 85.2 0.0 163.4

176 80.8 0.0 156.8

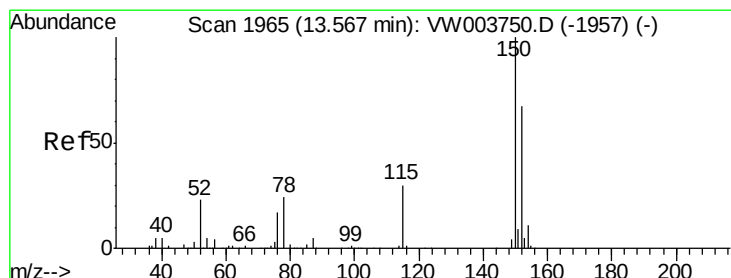
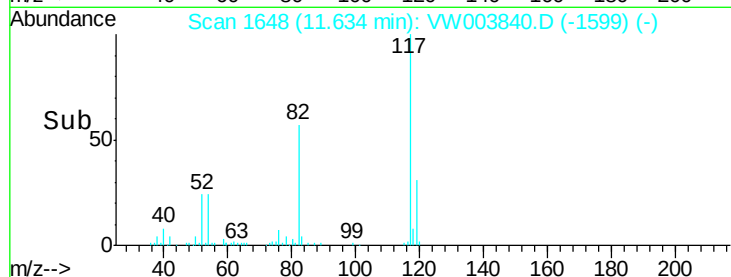
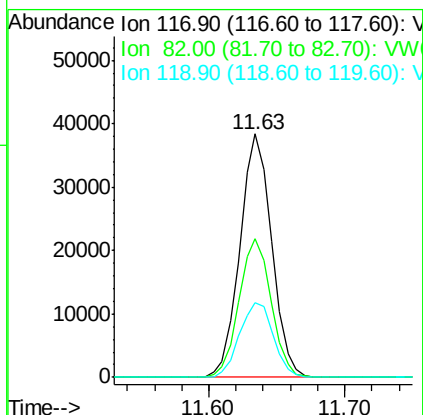
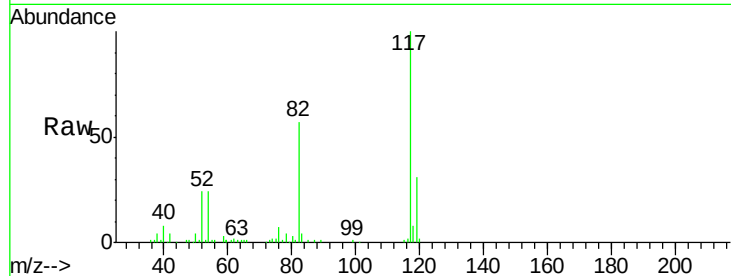




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003840.D
Acq: 10 Jul 2018 21:43

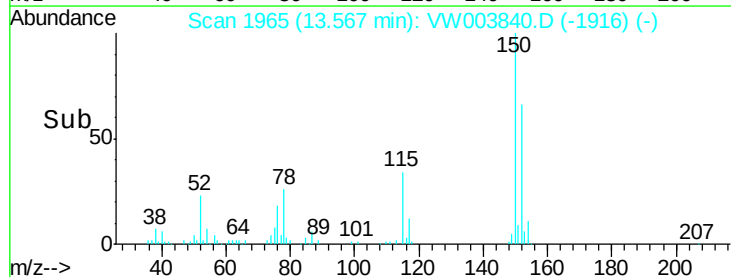
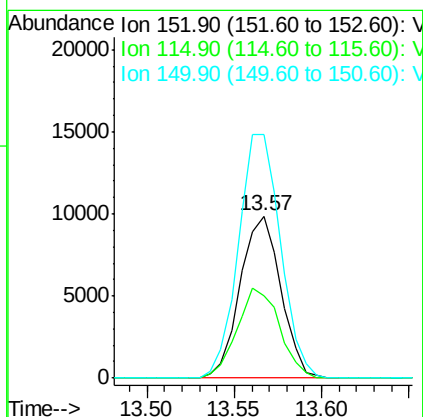
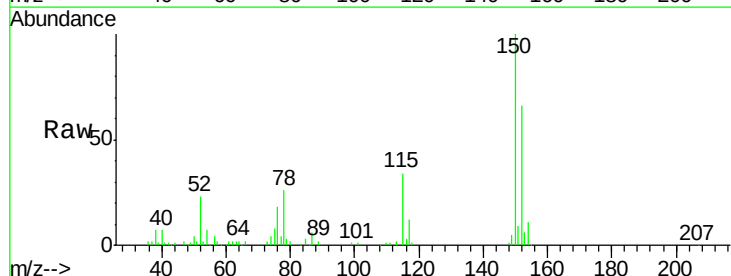
Instrument :
MSVOA_W
ClientSampleId :
EPE-108-6A(55-57)RE

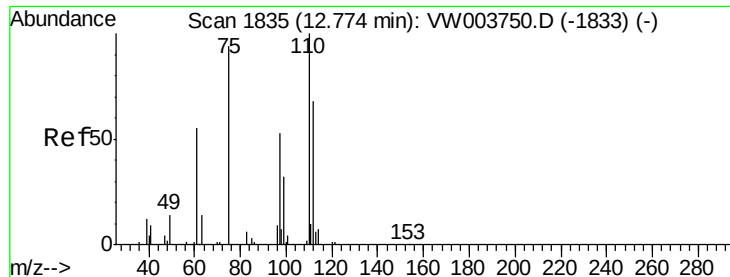
Tot Ion:117 Resp: 62700
Ion Ratio Lower Upper
117 100
82 56.8 46.9 70.3
119 30.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003840.D
Acq: 10 Jul 2018 21:43

Tgt Ion:152 Resp: 15986
Ion Ratio Lower Upper
152 100
115 57.8 28.9 86.8
150 155.3 0.0 342.4

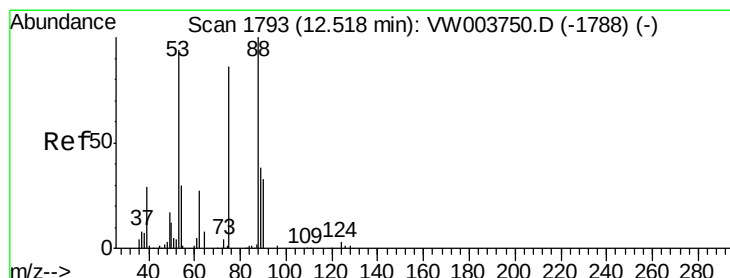
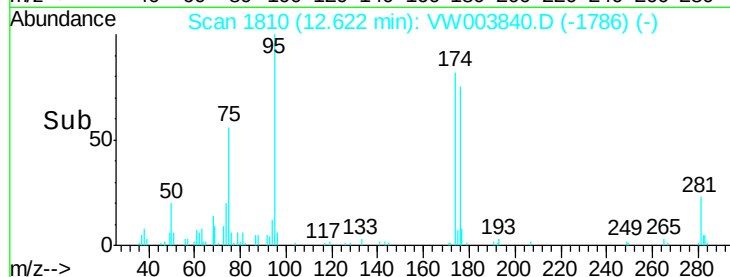
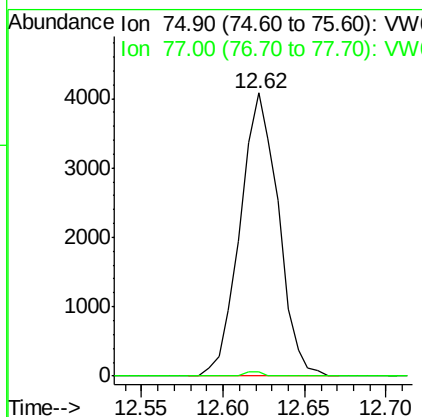
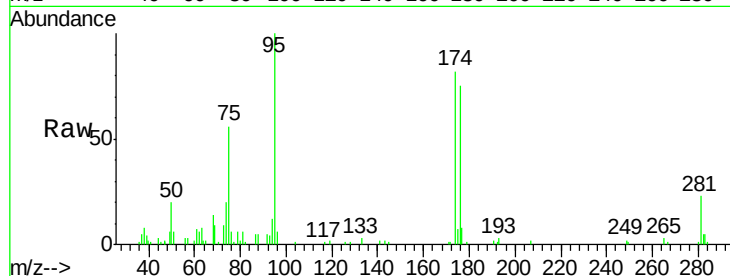




#76
 1,2,3-Trichloropropane
 Concen: 42.509 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003840.D
 Acq: 10 Jul 2018 21:43

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-108-6A(55-57)RE

Tot Ion: 75 Resp: 6673
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.986 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003840.D
 Acq: 10 Jul 2018 21:43

Tgt Ion: 75 Resp: 6673
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.0 127.6#
 89 0.0 36.3 54.5#

