

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003858.D
 Acq On : 11 Jul 2018 07:14
 Operator : SY/AP
 Sample : J3914-09
 Misc : 4.82G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SEMH

Quant Time: Jul 11 08:30:14 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	127991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	211334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	139939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	30005	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	58864	35.17	ug/l	0.00
Spiked Amount			Recovery	=	70.34%	
35) Dibromofluoromethane	7.88	113	52150	35.26	ug/l	0.00
Spiked Amount			Recovery	=	70.52%	
50) Toluene-d8	10.33	98	126146	22.30	ug/l	0.00
Spiked Amount			Recovery	=	44.60%	
62) 4-Bromofluorobenzene	12.62	95	24399	11.92	ug/l	0.00
Spiked Amount			Recovery	=	23.84%	

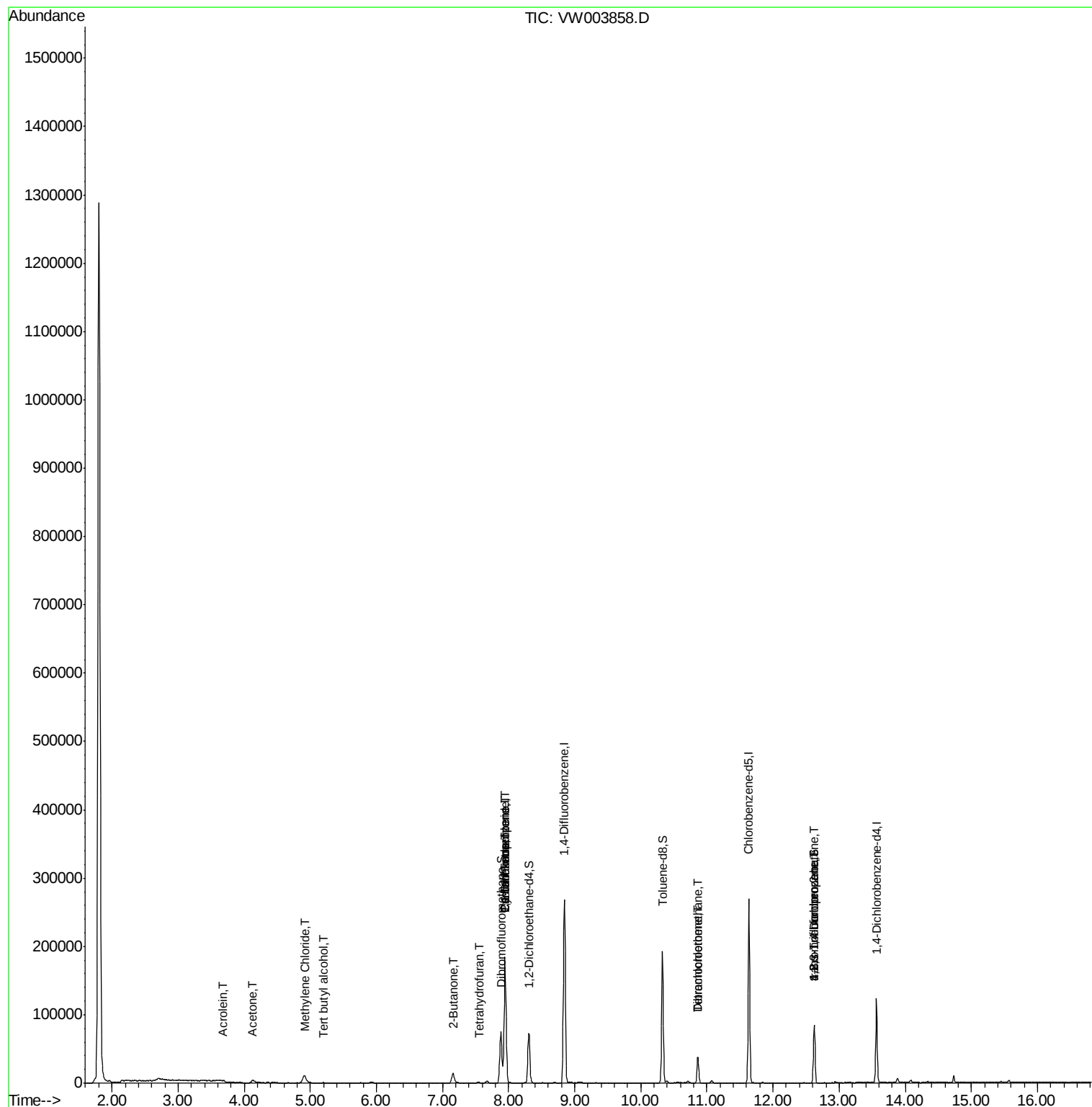
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	207	2.282	ug/l #	70
13) Acrolein	3.67	56	50	5.067	ug/l #	1
16) Acetone	4.12	43	7498	25.820	ug/l	97
20) Methylene Chloride	4.92	84	9471	2.530	ug/l #	91
25) 2-Butanone	7.16	43	1290	2.836	ug/l #	51
29) Tetrahydrofuran	7.54	42	328	1.122	ug/l #	61
31) Cyclohexane	7.95	56	3316	1.358	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	11093	4.947	ug/l #	50
38) Carbon Tetrachloride	7.95	117	13998	6.566	ug/l #	17
60) Dibromochloromethane	10.87	129	7640	5.377	ug/l #	11
64) Tetrachloroethene	10.87	164	8310	8.028	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	13212	44.841	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	13212	109.691	ug/l #	8

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

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003858.D

Acq: 11 Jul 2018 07:14

Instrument :

MSVOA_W

ClientSampleId :

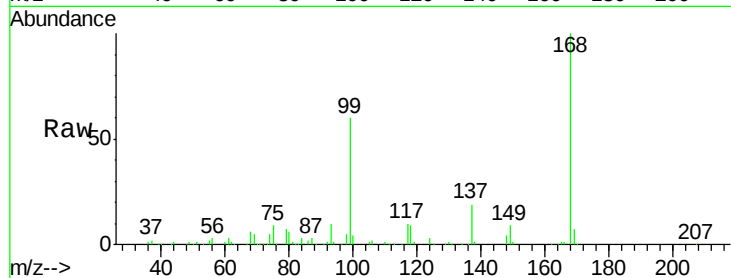
SEMH

Tot Ion:168 Resp: 127991

Ion Ratio Lower Upper

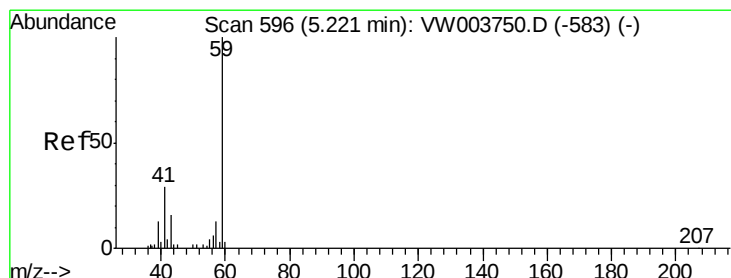
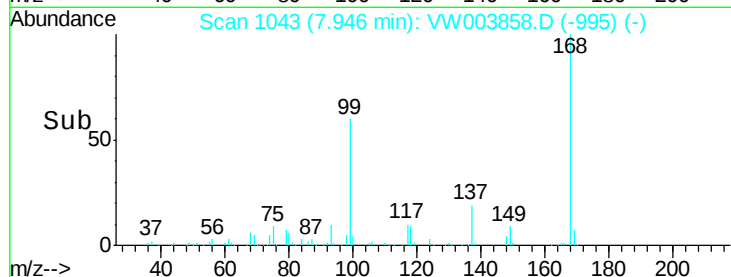
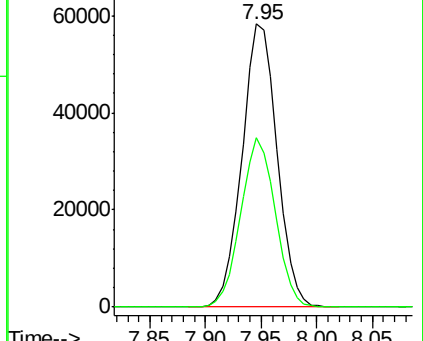
168 100

99 60.1 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: 2.282 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.02 min

Lab File: VW003858.D

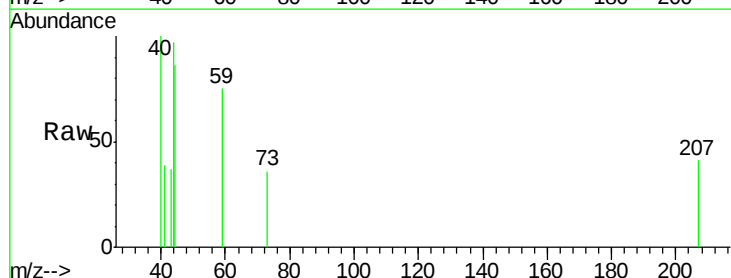
Acq: 11 Jul 2018 07:14

Tgt Ion: 59 Resp: 207

Ion Ratio Lower Upper

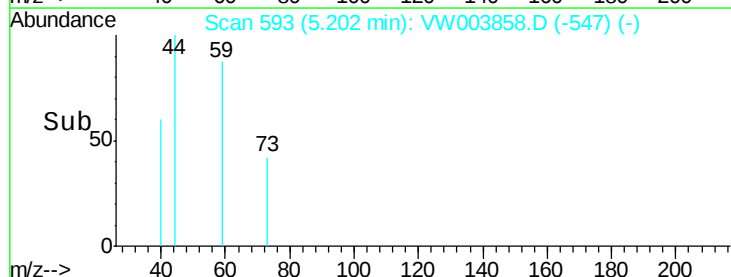
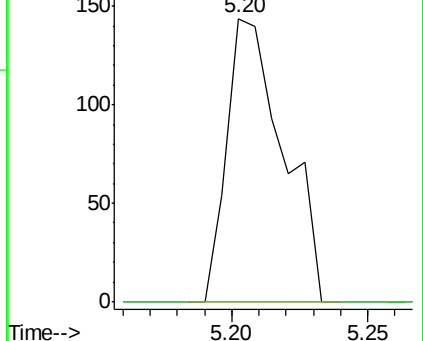
59 100

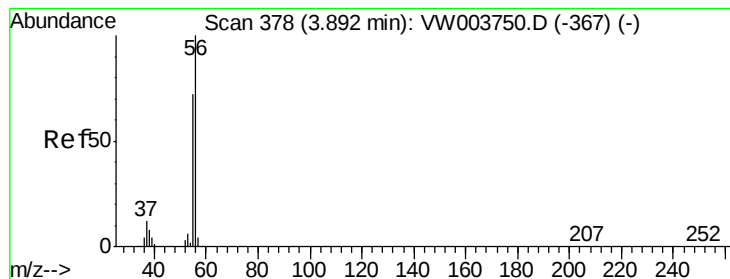
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 5.067 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.22 min

Lab File: VW003858.D

Acq: 11 Jul 2018 07:14

Instrument :

MSVOA_W

ClientSampleId :

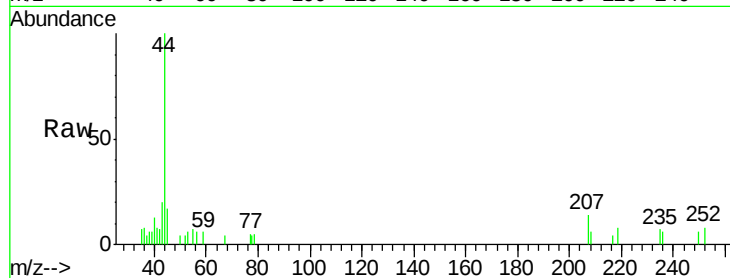
SEMH

Tot Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

55 198.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

150

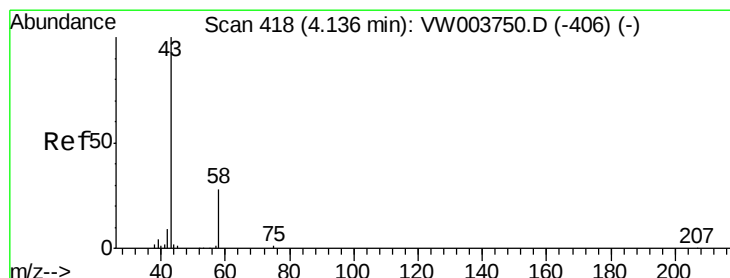
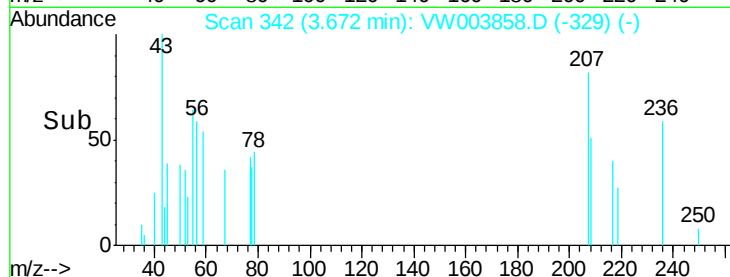
100

50

0

3.64 3.66 3.68

Time-->



#16

Acetone

Concen: 25.820 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003858.D

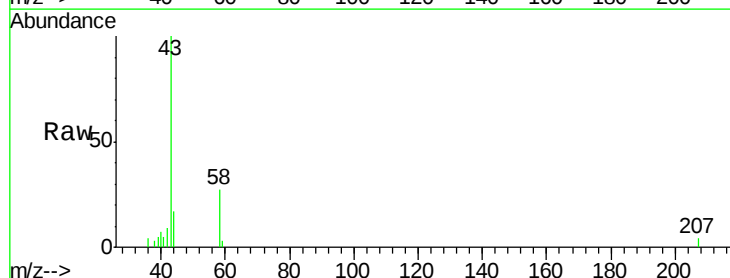
Acq: 11 Jul 2018 07:14

Tgt Ion: 43 Resp: 7498

Ion Ratio Lower Upper

43 100

58 26.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2500

2000

1500

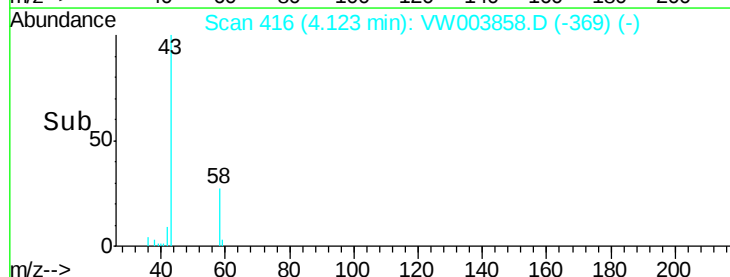
1000

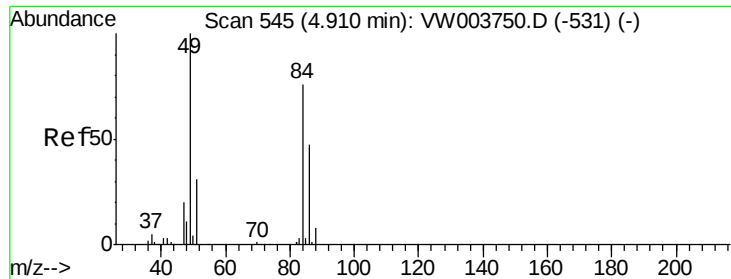
500

0

4.00 4.10 4.20

Time-->

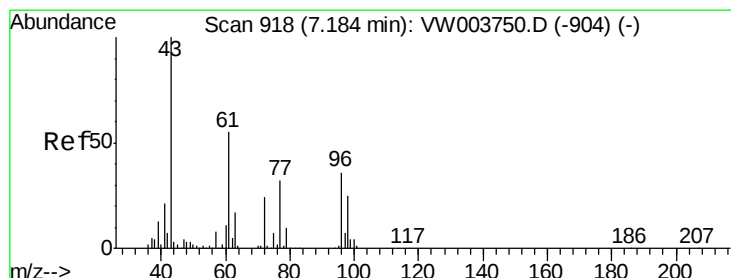
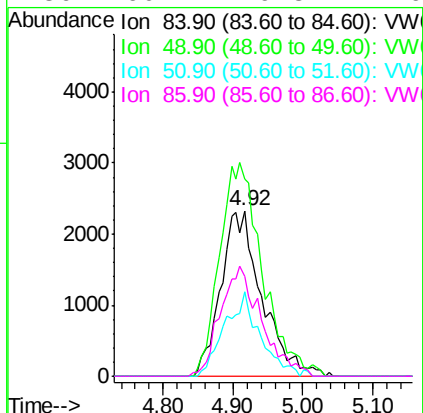
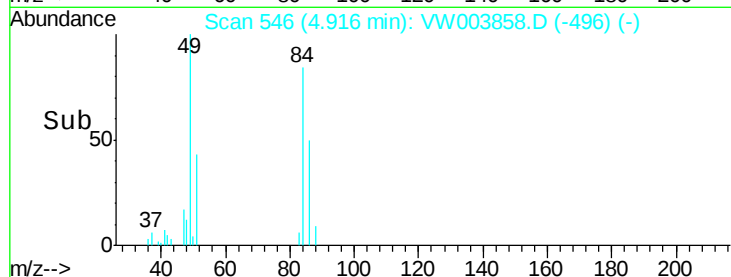
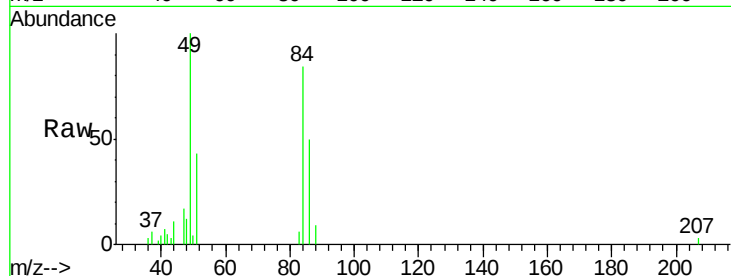




#20
Methylene Chloride
Concen: 2.530 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003858.D
Acq: 11 Jul 2018 07:14

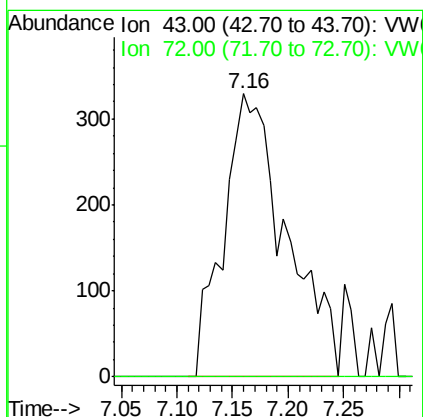
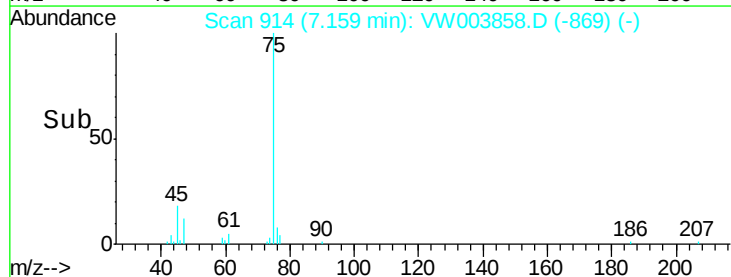
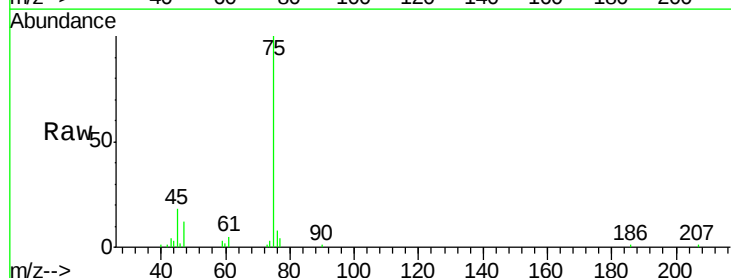
Instrument :
MSVOA_W
ClientSampled :
SEMH

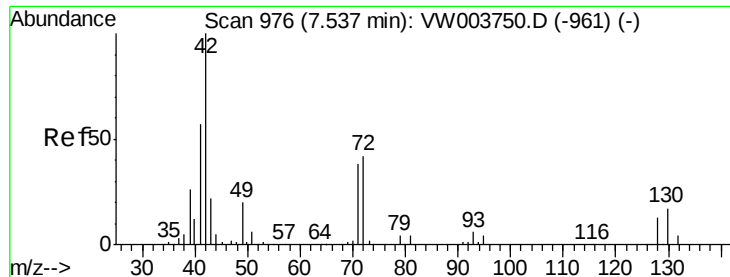
Tot Ion: 84 Resp: 9471
Ion Ratio Lower Upper
84 100
49 119.3 105.1 157.7
51 51.4 32.5 48.7#
86 60.2 49.8 74.6



#25
2-Butanone
Concen: 2.836 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW003858.D
Acq: 11 Jul 2018 07:14

Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#

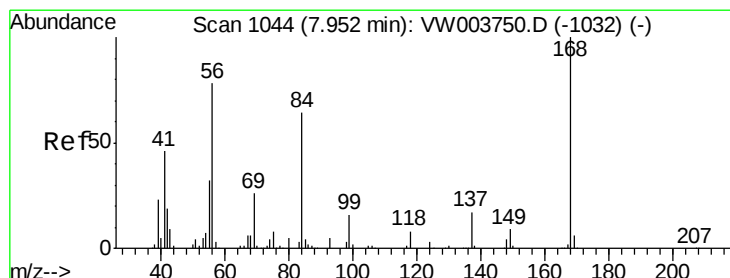
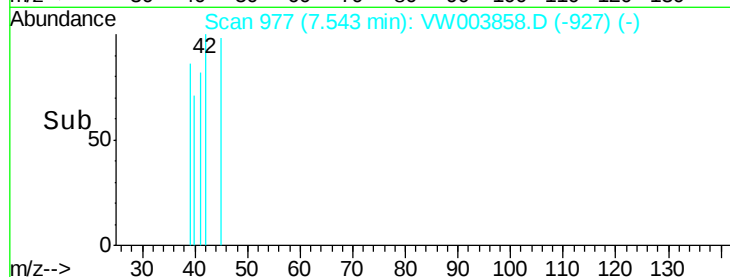
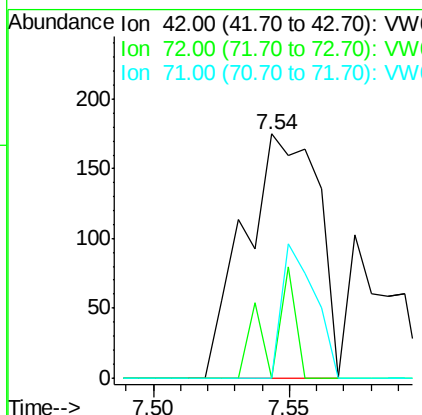
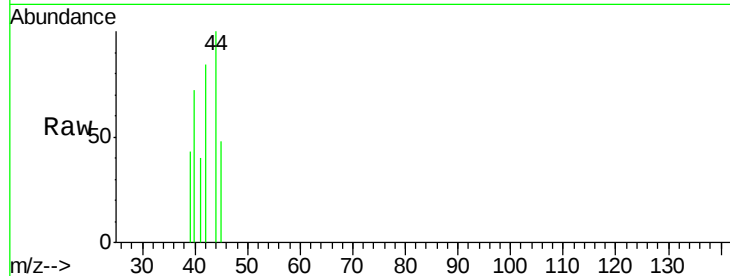




#29
Tetrahydrofuran
Concen: 1.122 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003858.D
Acq: 11 Jul 2018 07:14

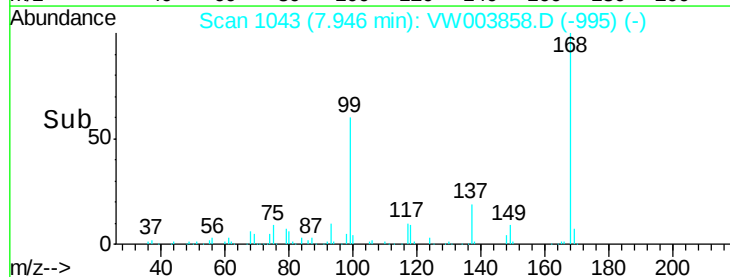
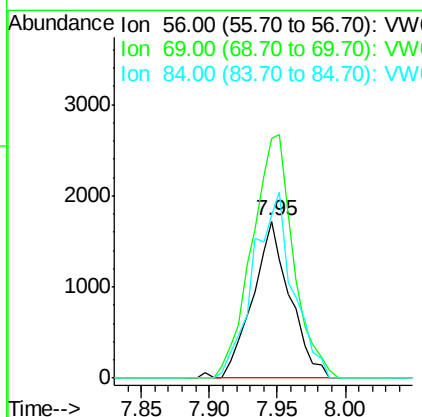
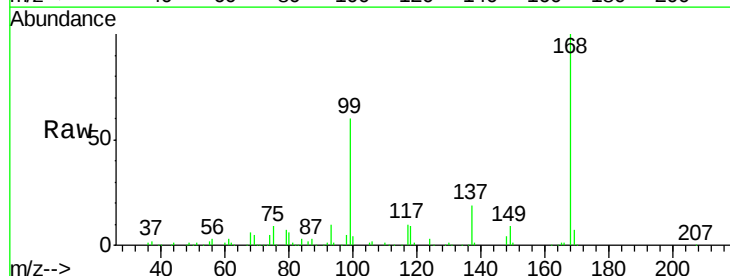
Instrument :
MSVOA_W
ClientSampled :
SEMH

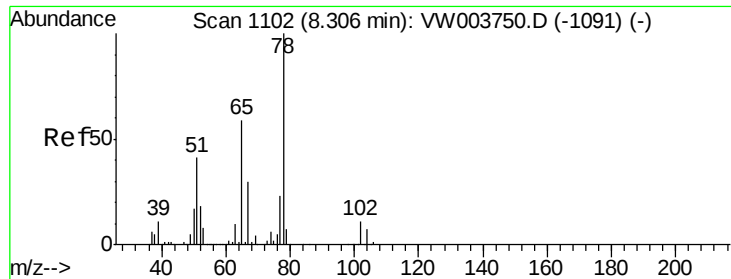
Tot Ion: 42 Resp: 328
Ion Ratio Lower Upper
42 100
72 6.1 31.8 47.8#
71 24.7 30.3 45.5#



#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003858.D
Acq: 11 Jul 2018 07:14

Tgt Ion: 56 Resp: 3316
Ion Ratio Lower Upper
56 100
69 152.5 26.2 39.4#
84 103.6 65.5 98.3#





#33

1,2-Dichloroethane-d4

Concen: 35.169 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003858.D

Acq: 11 Jul 2018 07:14

Instrument :

MSVOA_W

ClientSampleId :

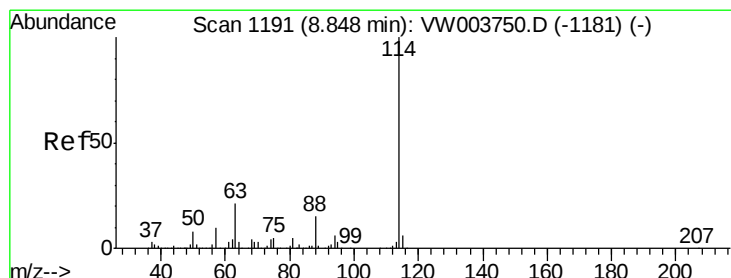
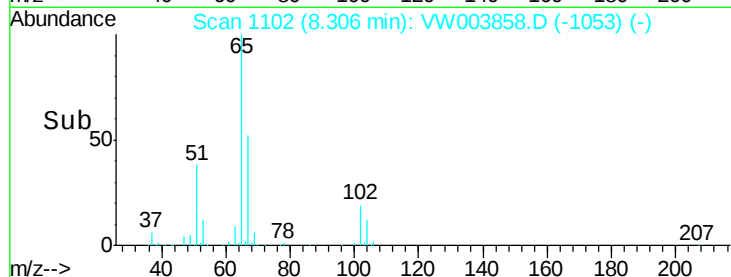
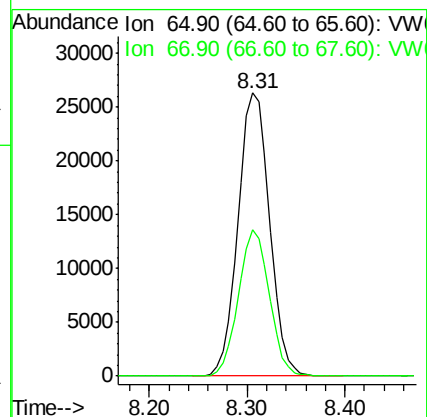
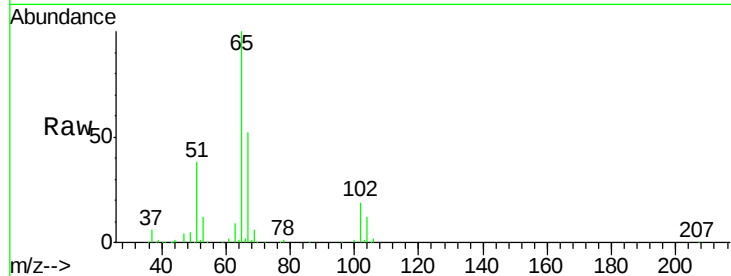
SEMH

Tot Ion: 65 Resp: 58864

Ion Ratio Lower Upper

65 100

67 50.7 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: VW003858.D

Acq: 11 Jul 2018 07:14

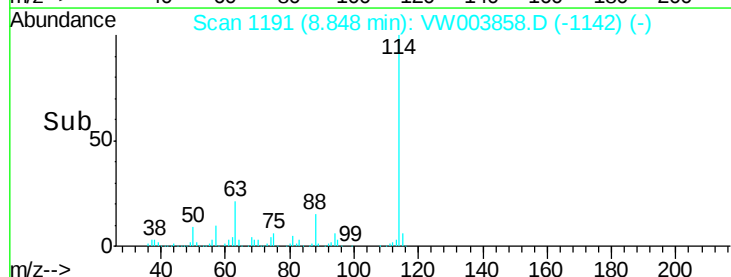
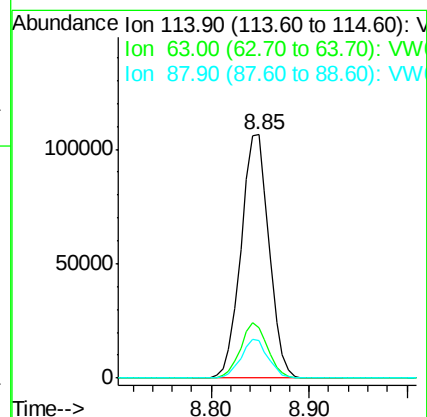
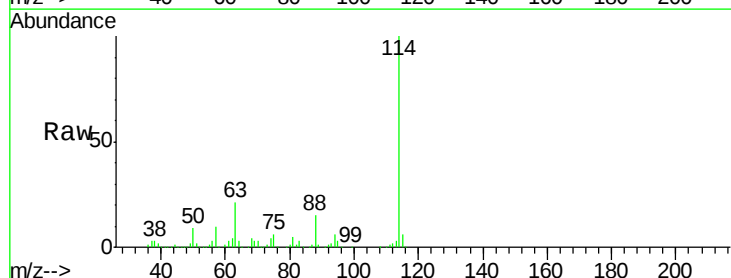
Tgt Ion: 114 Resp: 211334

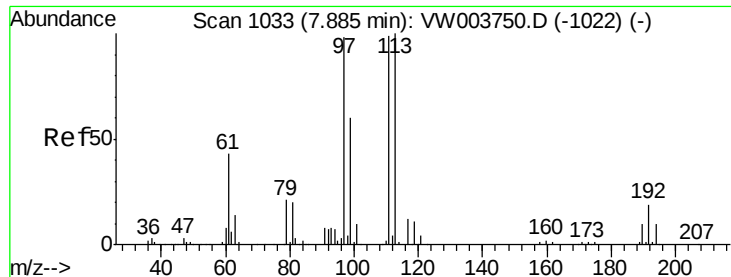
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 15.4 0.0 30.2

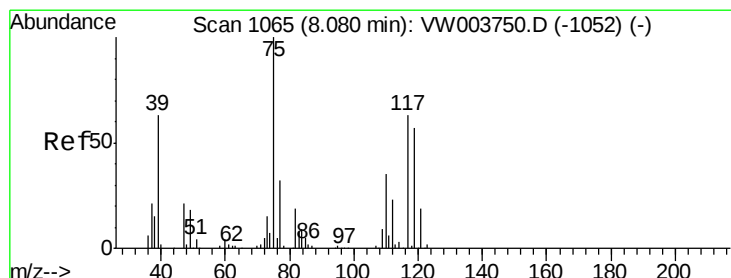
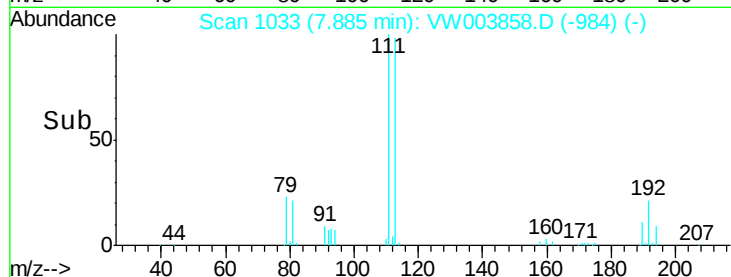
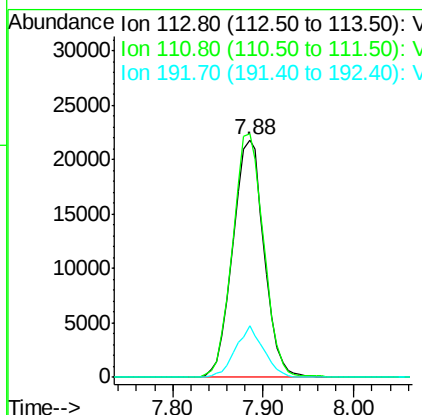
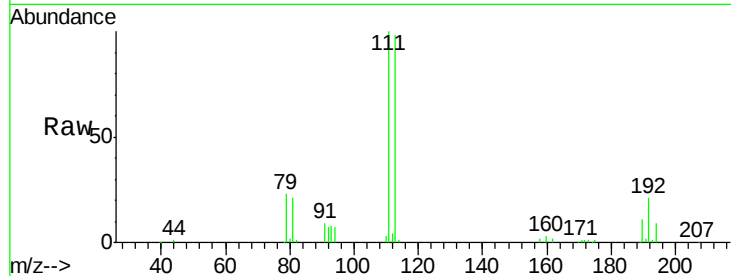




#35
 Dibromofluoromethane
 Concen: 35.258 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003858.D
 Acq: 11 Jul 2018 07:14

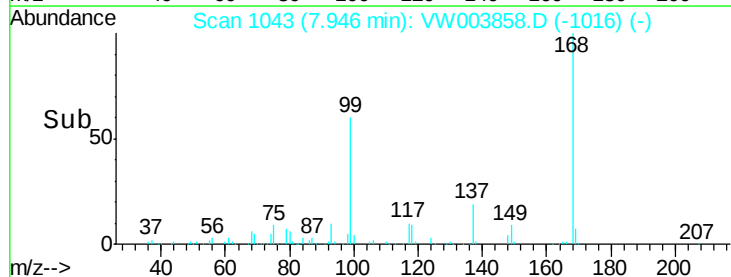
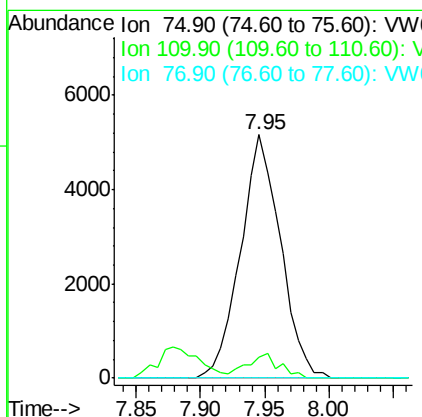
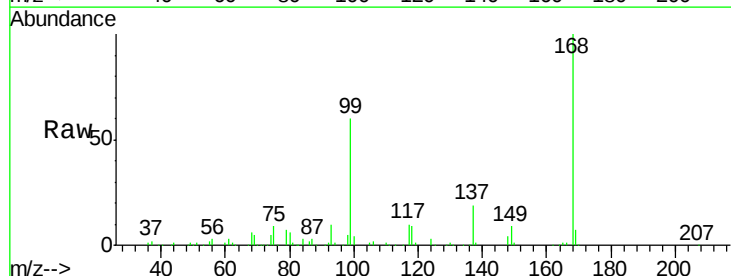
Instrument :
 MSVOA_W
 ClientSampleID :
 SEMH

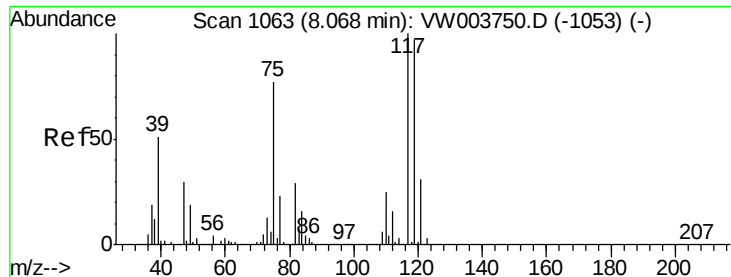
Tot Ion:113 Resp: 52150
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.7 122.5
 192 19.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.947 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003858.D
 Acq: 11 Jul 2018 07:14

Tgt Ion: 75 Resp: 11093
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.566 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003858.D

Acq: 11 Jul 2018 07:14

Instrument :

MSVOA_W

ClientSampled :

SEMH

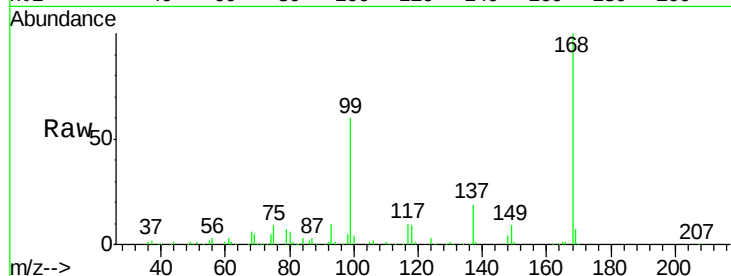
Tot Ion:117 Resp: 13998

Ion Ratio Lower Upper

117 100

119 7.5 77.4 116.2#

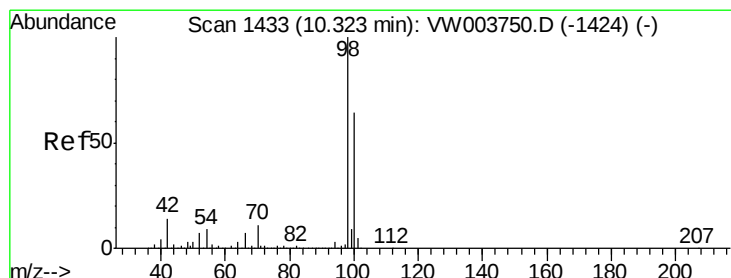
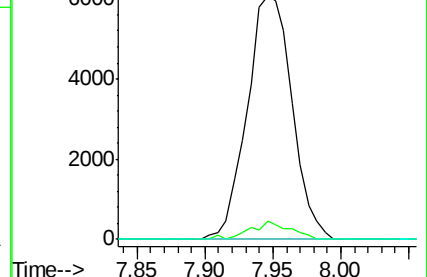
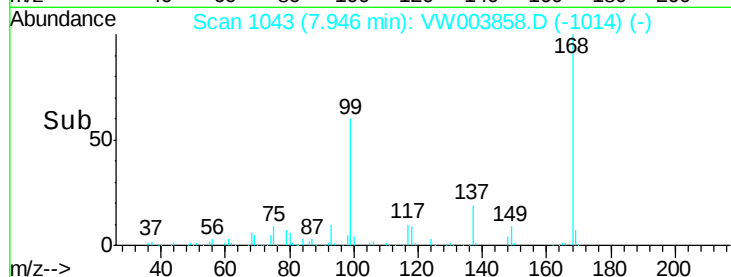
121 0.0 24.6 37.0#



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: 22.296 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003858.D

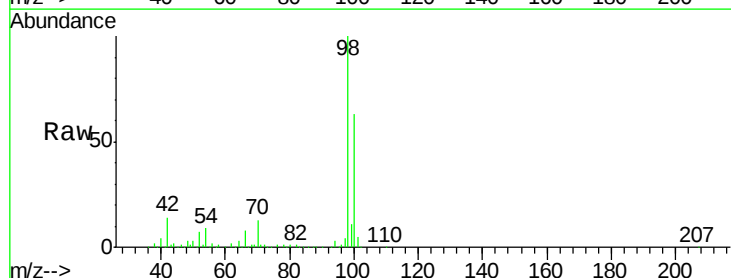
Acq: 11 Jul 2018 07:14

Tgt Ion: 98 Resp: 126146

Ion Ratio Lower Upper

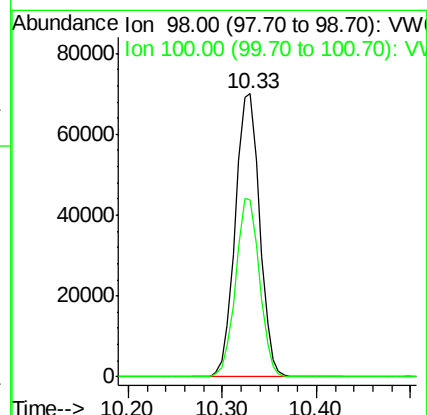
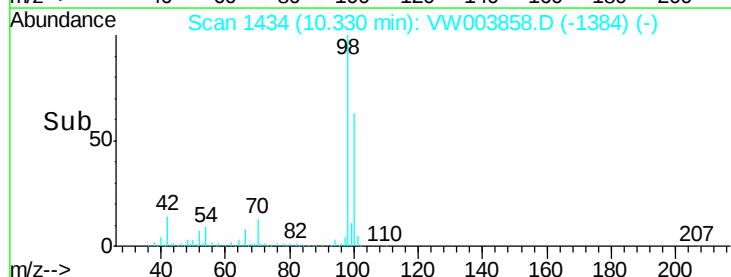
98 100

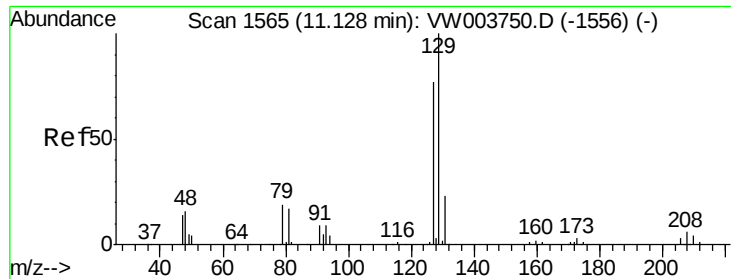
100 61.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

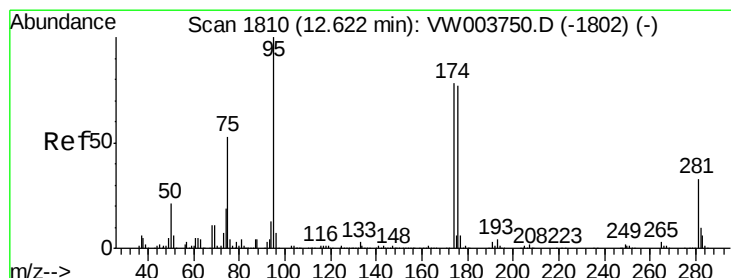
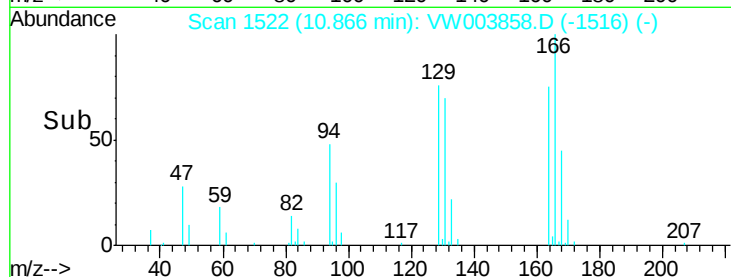
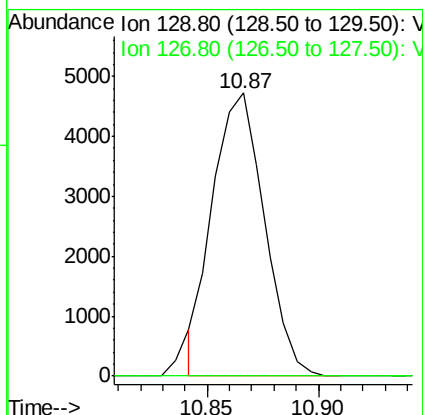
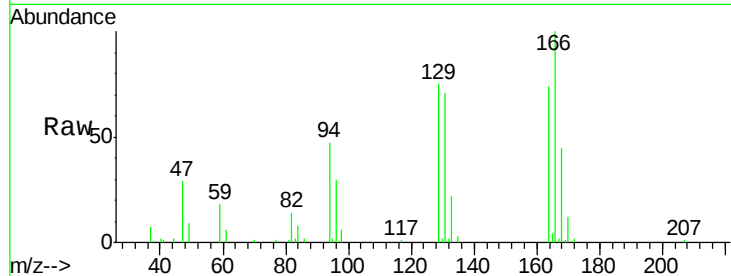




#60
Dibromochloromethane
Concen: 5.377 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.26 min
Lab File: VW003858.D
Acq: 11 Jul 2018 07:14

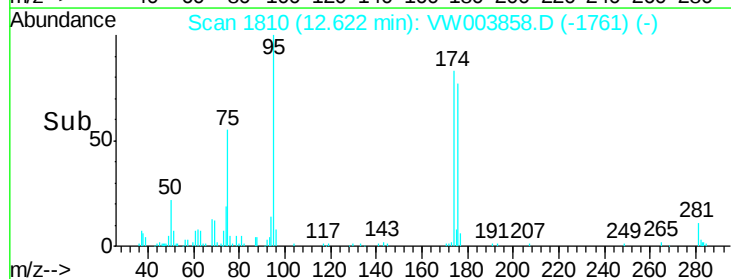
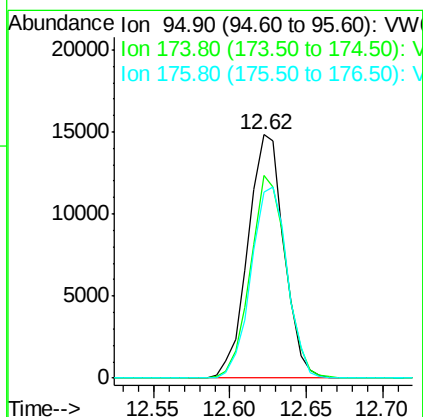
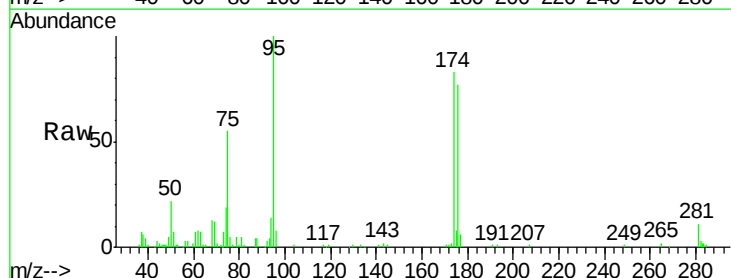
Instrument :
MSVOA_W
ClientSampled :
SEMH

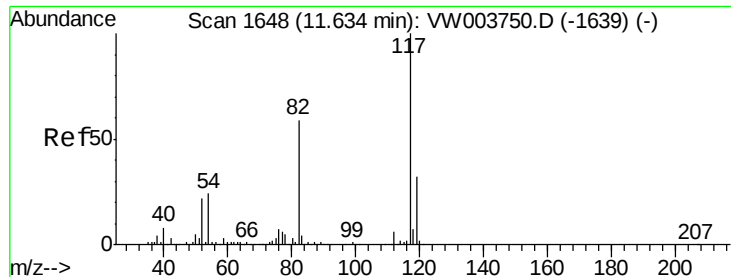
Tot Ion:129 Resp: 7640
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 11.919 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003858.D
Acq: 11 Jul 2018 07:14

Tgt Ion: 95 Resp: 24399
Ion Ratio Lower Upper
95 100
174 82.5 0.0 163.4
176 78.8 0.0 156.8

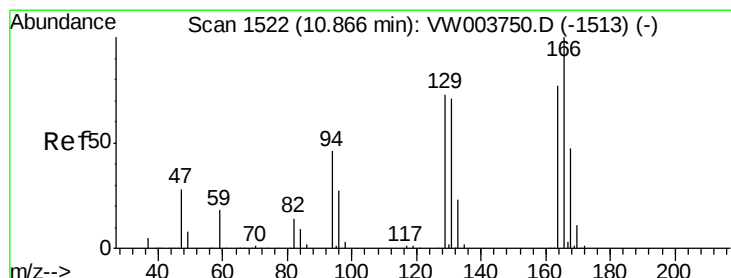
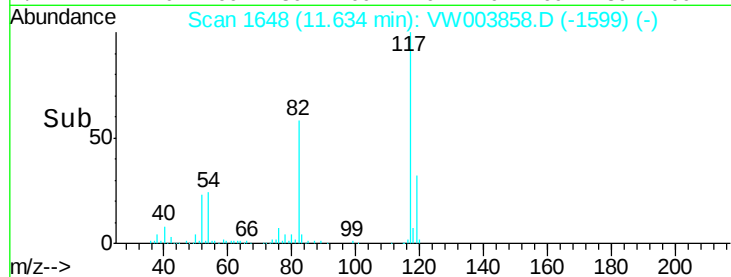
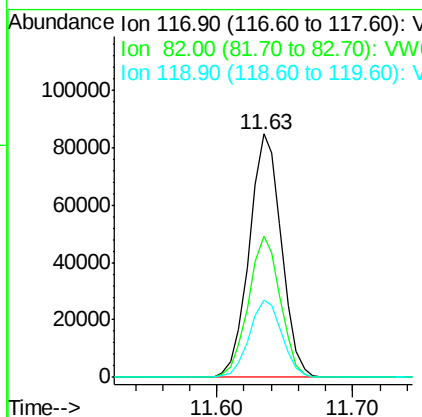
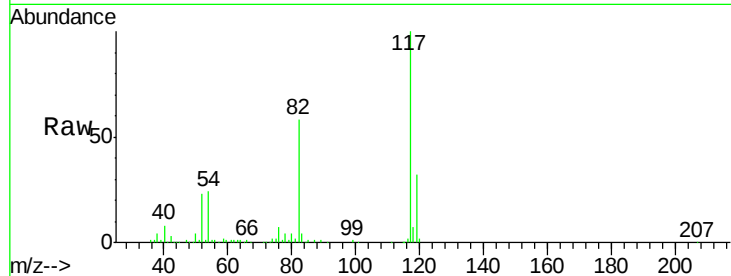




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003858.D
Acq: 11 Jul 2018 07:14

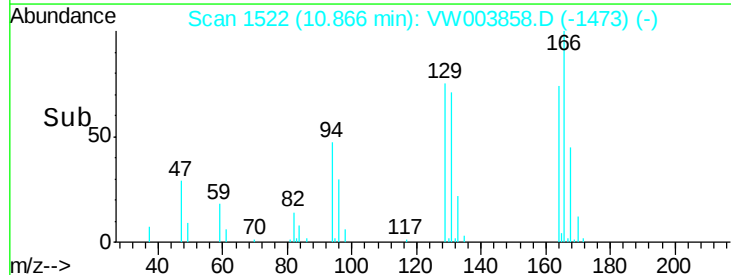
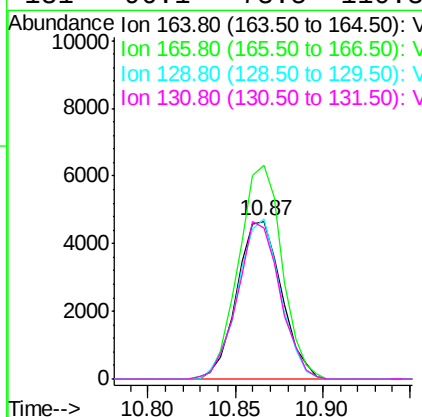
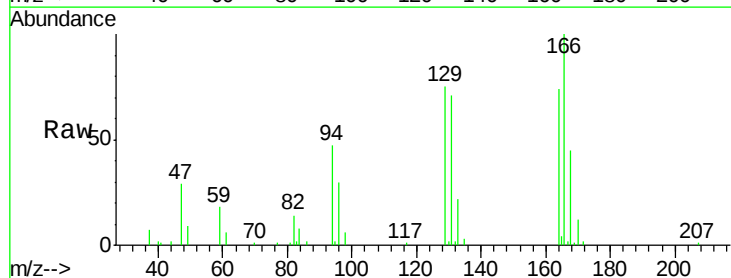
Instrument :
MSVOA_W
ClientSampled :
SEMH

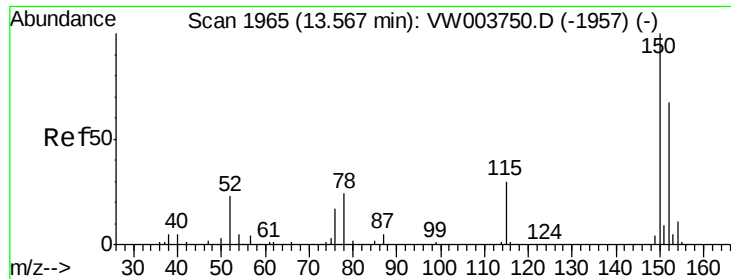
Tot Ion:117 Resp: 139939
Ion Ratio Lower Upper
117 100
82 57.9 46.9 70.3
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 8.028 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003858.D
Acq: 11 Jul 2018 07:14

Tgt Ion:164 Resp: 8310
Ion Ratio Lower Upper
164 100
166 135.6 104.2 156.4
129 101.5 75.8 113.8
131 96.1 73.5 110.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003858.D

Acq: 11 Jul 2018 07:14

Instrument :

MSVOA_W

ClientSampleId :

SEMH

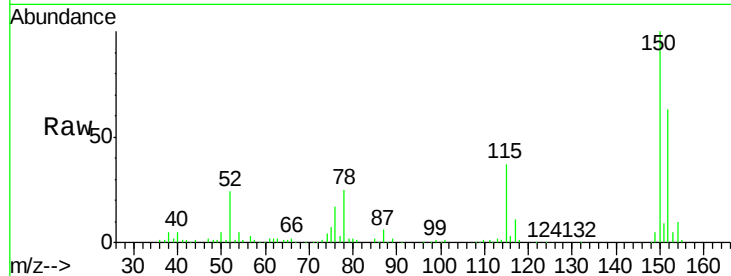
Tot Ion:152 Resp: 30005

Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.8

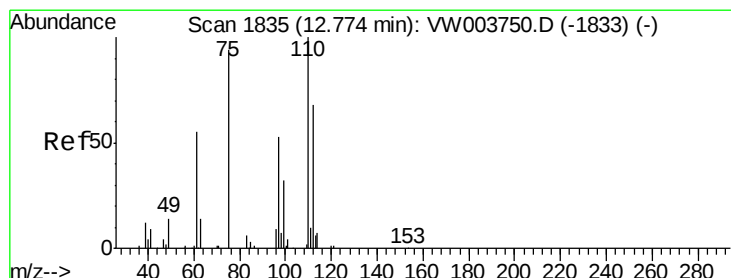
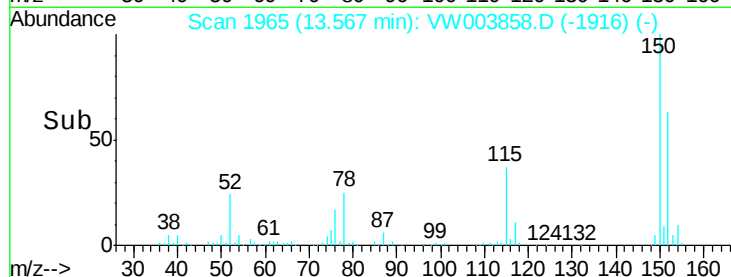
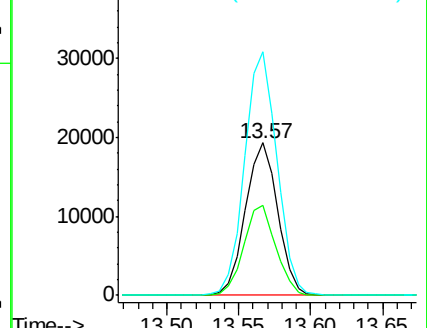
150 159.3 0.0 342.4



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: 44.841 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003858.D

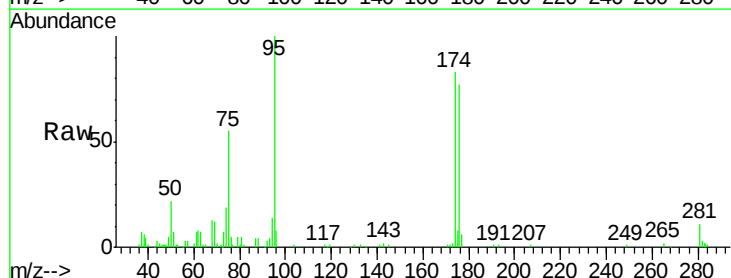
Acq: 11 Jul 2018 07:14

Tgt Ion: 75 Resp: 13212

Ion Ratio Lower Upper

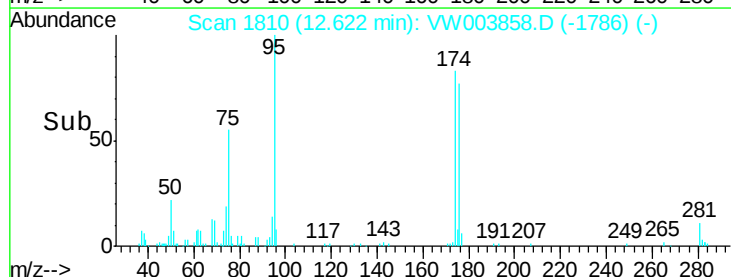
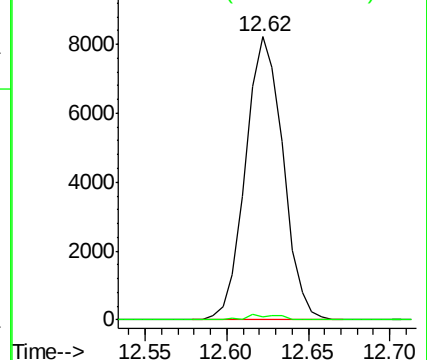
75 100

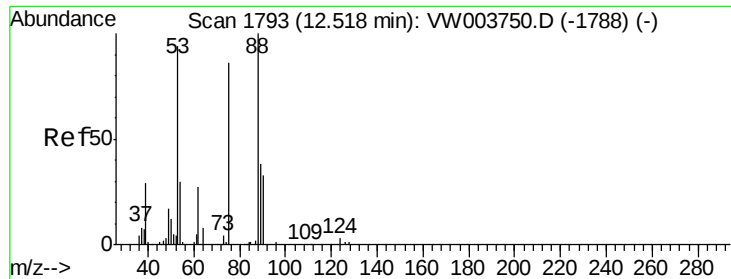
77 1.6 0.0 0.0#



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: 109.691 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003858.D

Acq: 11 Jul 2018 07:14

Instrument :

MSVOA_W

ClientSampleId :

SEMH

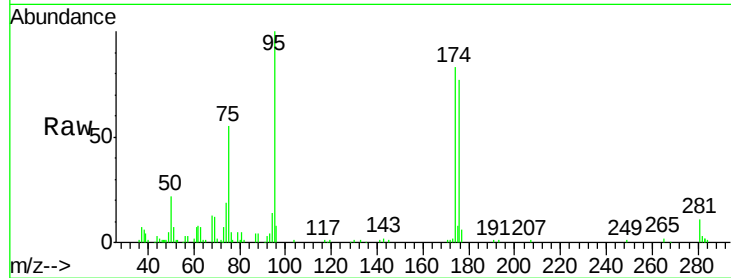
Tot Ion: 75 Resp: 13212

Ion Ratio Lower Upper

75 100

53 0.9 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

