

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003863.D
 Acq On : 11 Jul 2018 09:58
 Operator : SY/AP
 Sample : J3828-03
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-071018-B

Quant Time: Jul 11 11:14:16 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	166248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	291445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	256326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	91597	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	122740	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
35) Dibromofluoromethane	7.88	113	102639	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	10.32	98	352948	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
62) 4-Bromofluorobenzene	12.62	95	109055	38.63	ug/l	0.00
Spiked Amount			Recovery	=	77.26%	

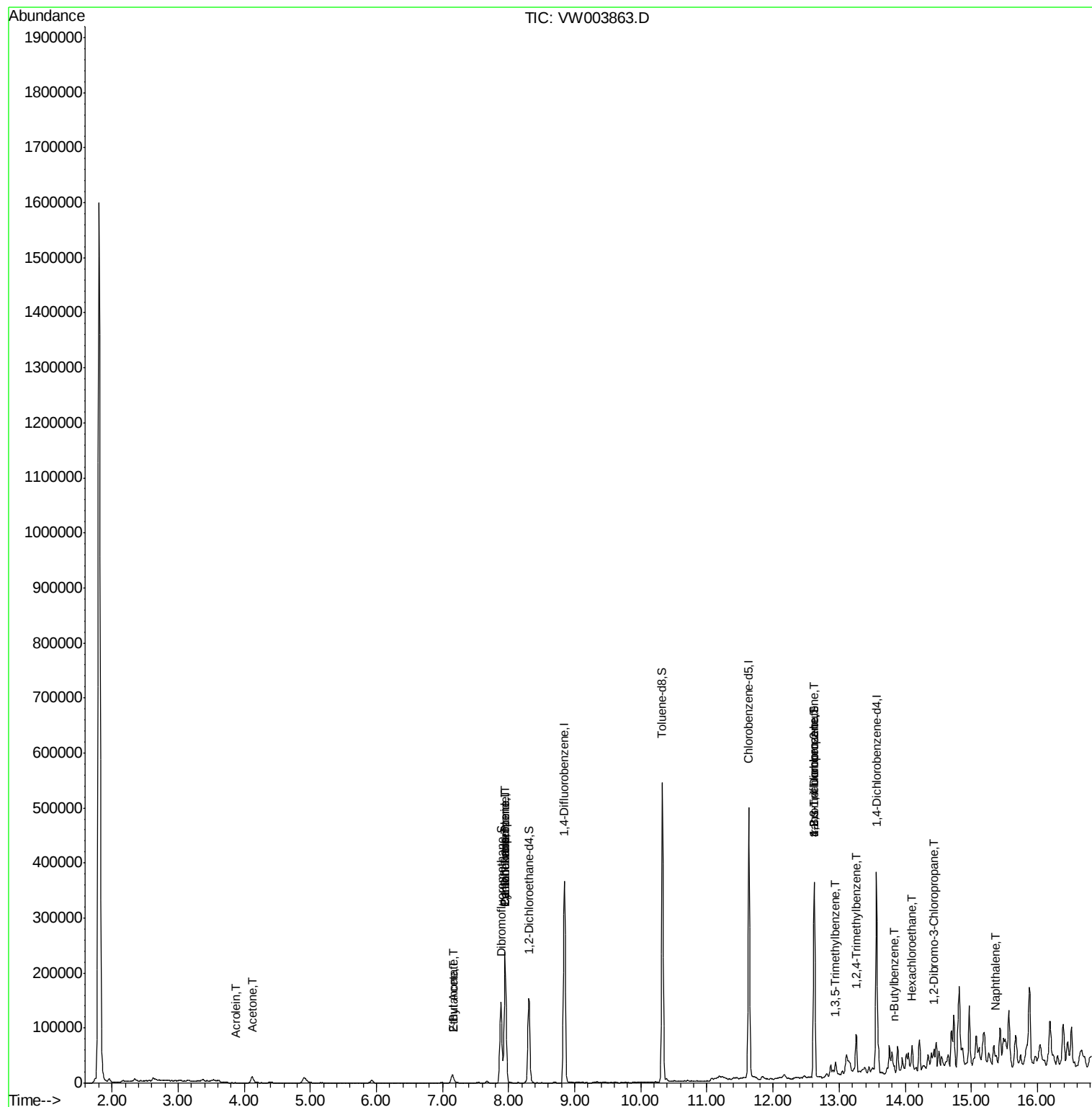
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.88	56	38	4.93	ug/l	99
16) Acetone	4.12	43	20417	54.13	ug/l	96
25) 2-Butanone	7.17	43	2342	3.96	ug/l #	87
31) Cyclohexane	7.95	56	4715	1.49	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	14308	4.63	ug/l #	50
37) Ethyl Acetate	7.17	43	2342	1.56	ug/l #	54
38) Carbon Tetrachloride	7.95	117	17335	5.90	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	58230	64.74	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	6980	1.31	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.62	75	58230	158.37	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	38169	6.87	ug/l	98
89) n-Butylbenzene	13.83	91	6401	1.13	ug/l #	79
90) Hexachloroethane	14.11	117	2433	2.19	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.43	75	240	1.10	ug/l	64
95) Naphthalene	15.38	128	9175	2.70	ug/l #	87

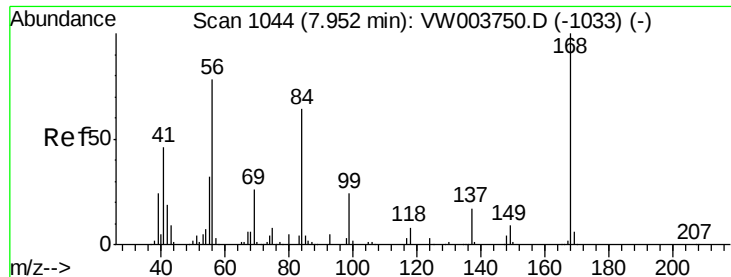
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071018\
Data File : VW003863.D
Acq On : 11 Jul 2018 09:58
Operator : SY/AP
Sample : J3828-03
Misc : 5.04G/5ML/MSVOA W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-B

Quant Time: Jul 11 11:14:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

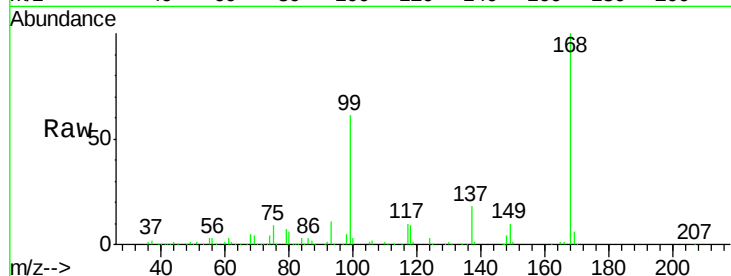
EO-01-071018-B

Tot Ion:168 Resp: 166248

Ion Ratio Lower Upper

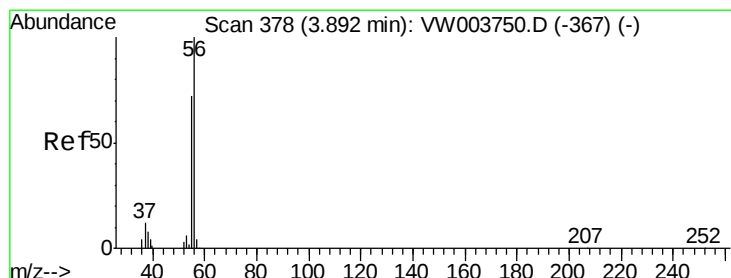
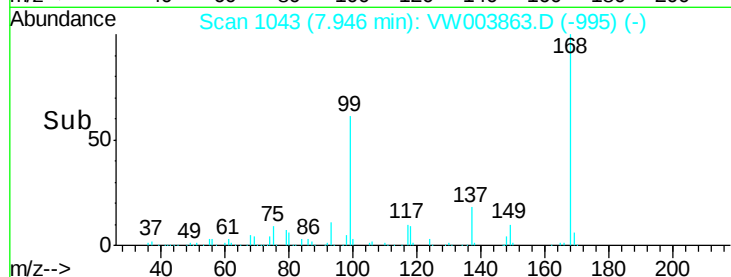
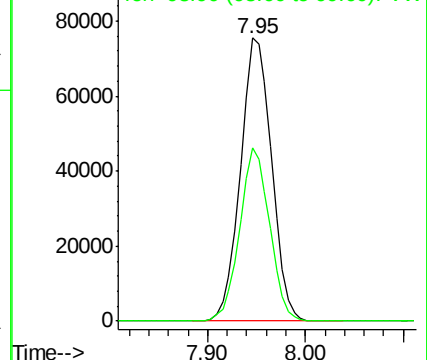
168 100

99 61.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 4.93 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VW003863.D

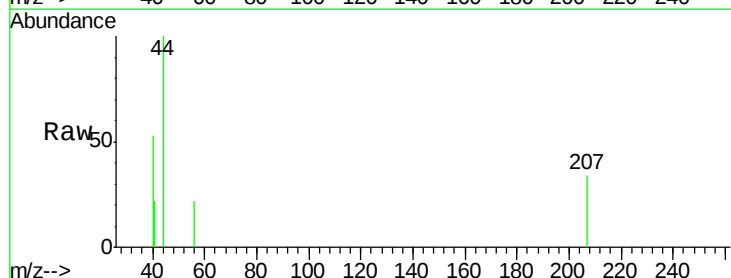
Acq: 11 Jul 2018 09:58

Tgt Ion: 56 Resp: 38

Ion Ratio Lower Upper

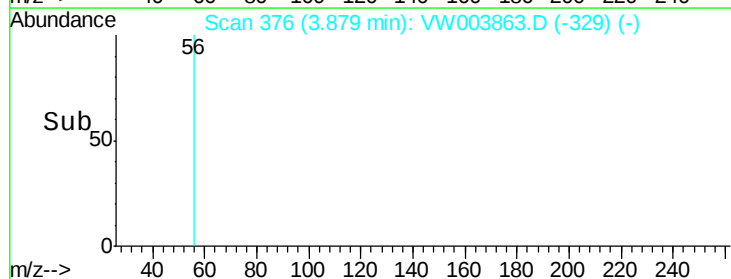
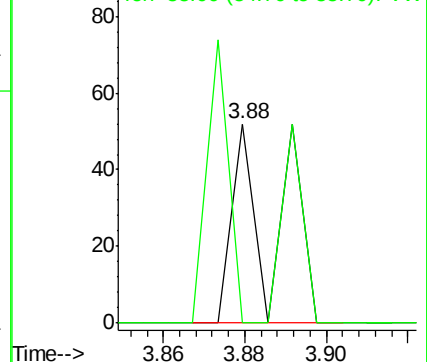
56 100

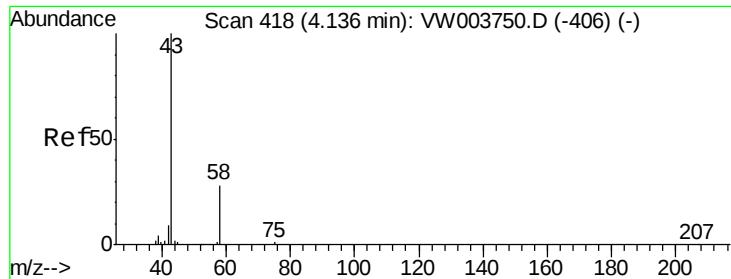
55 71.1 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 54.13 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

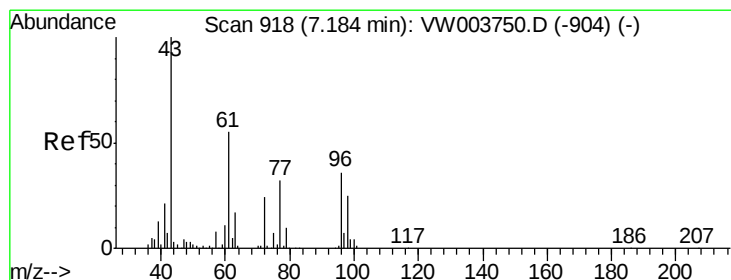
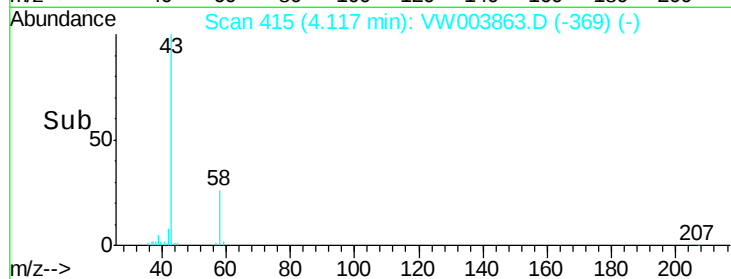
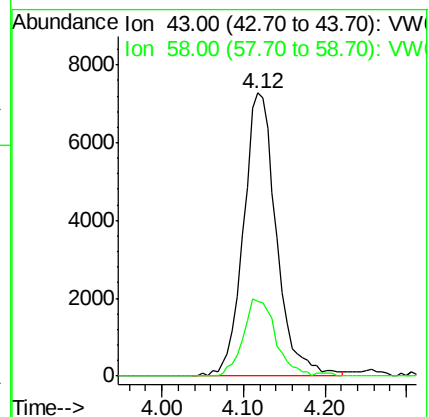
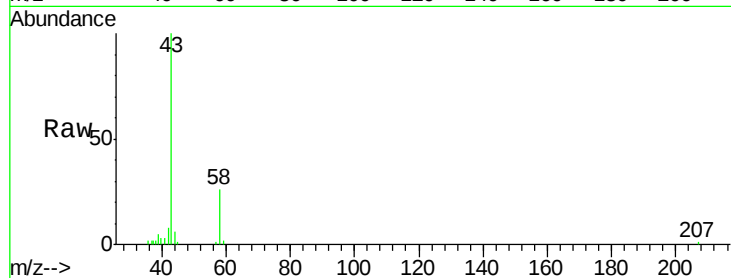
EO-01-071018-B

Tot Ion: 43 Resp: 20417

Ion Ratio Lower Upper

43 100

58 26.2 22.6 34.0



#25

2-Butanone

Concen: 3.96 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW003863.D

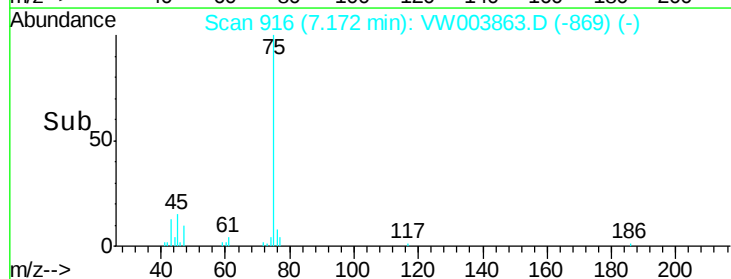
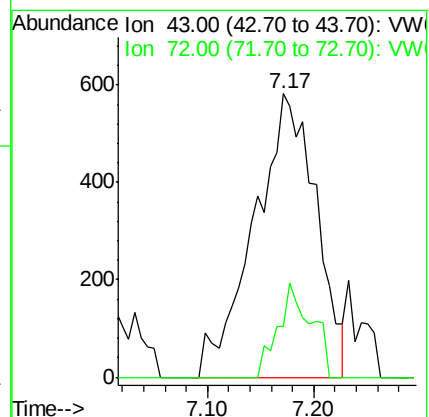
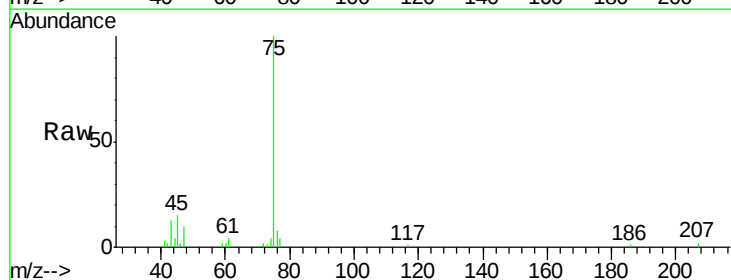
Acq: 11 Jul 2018 09:58

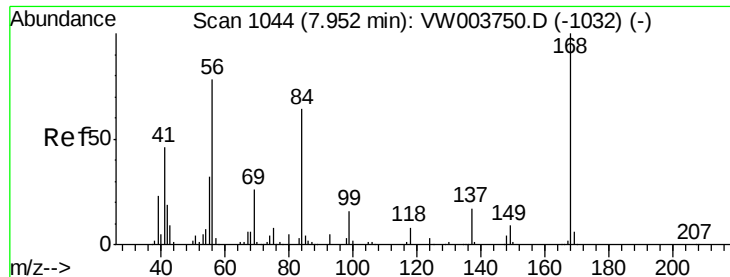
Tgt Ion: 43 Resp: 2342

Ion Ratio Lower Upper

43 100

72 17.9 19.4 29.2#





#31

Cyclohexane

Concen: 1.49 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-B

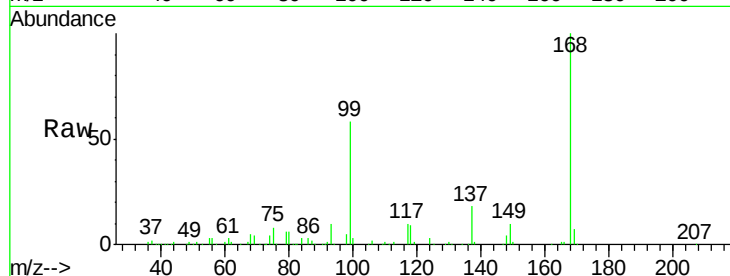
Tot Ion: 56 Resp: 4715

Ion Ratio Lower Upper

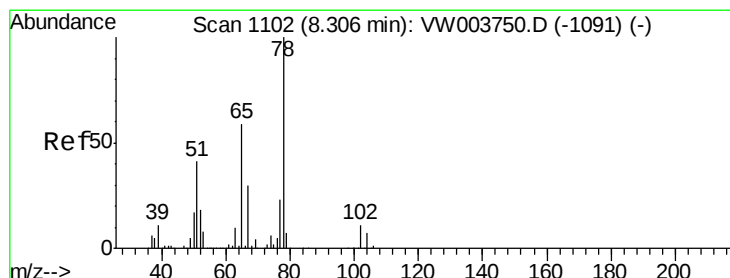
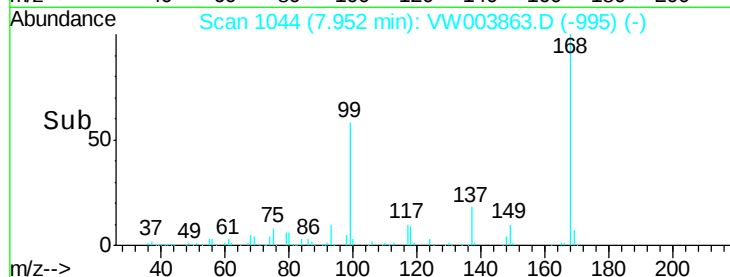
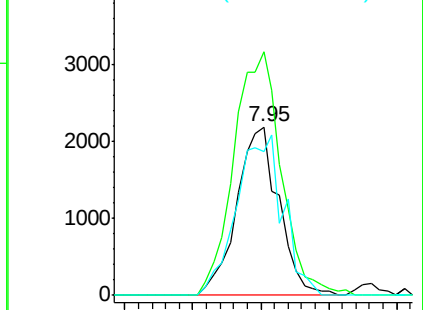
56 100

69 144.7 26.2 39.4#

84 85.4 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: 56.46 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003863.D

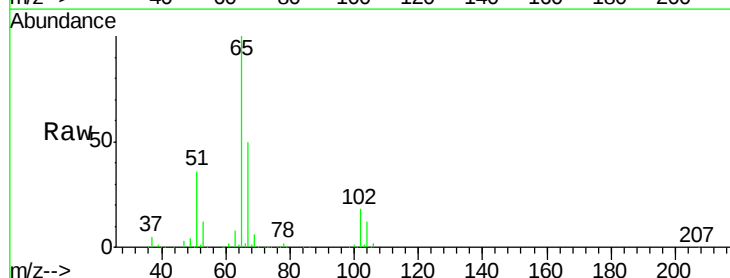
Acq: 11 Jul 2018 09:58

Tgt Ion: 65 Resp: 122740

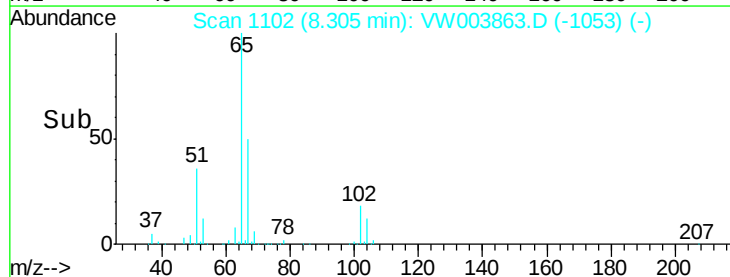
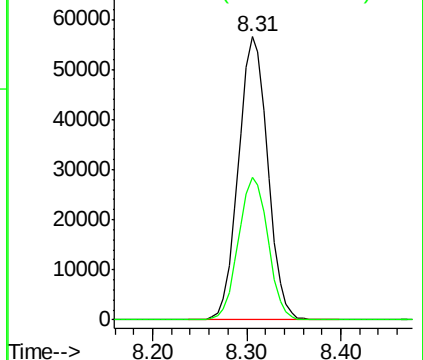
Ion Ratio Lower Upper

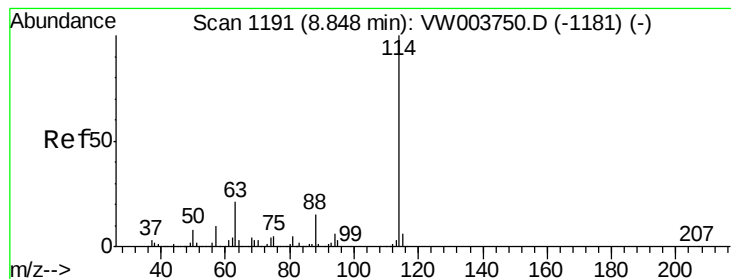
65 100

67 50.9 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: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-B

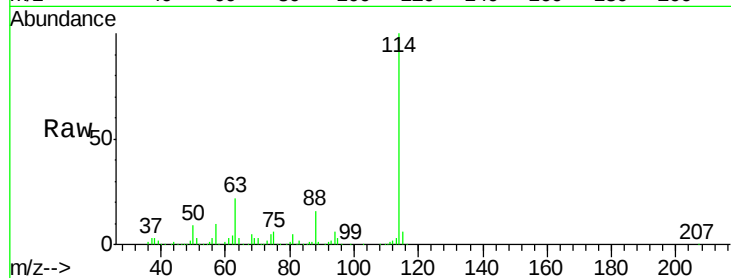
Tot Ion:114 Resp: 291445

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

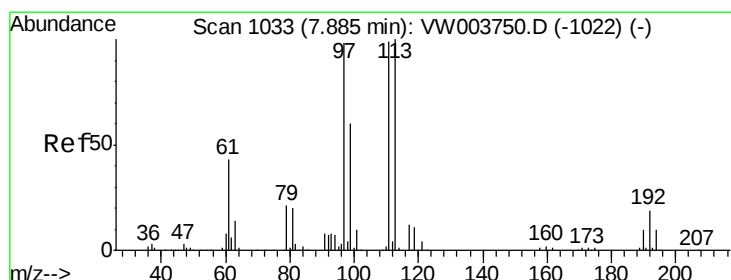
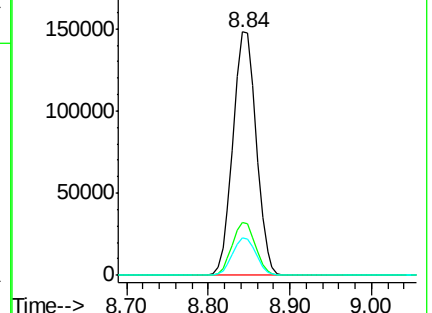
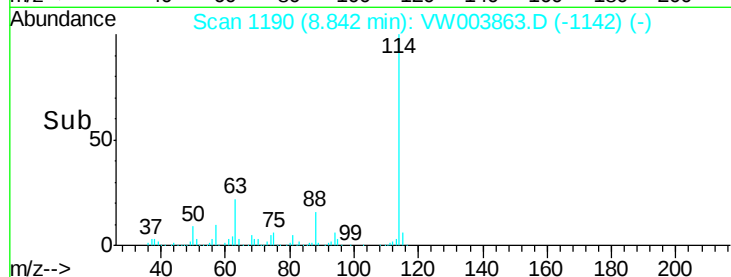
88 15.7 0.0 30.2



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: 50.32 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

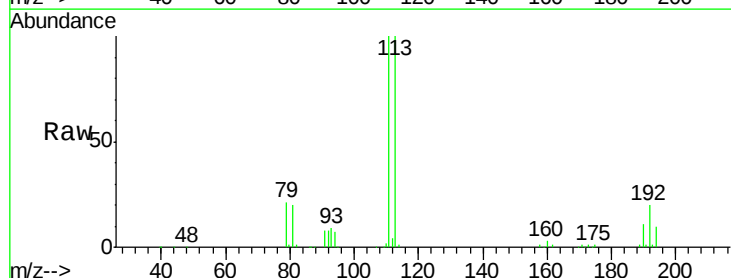
Tgt Ion:113 Resp: 102639

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

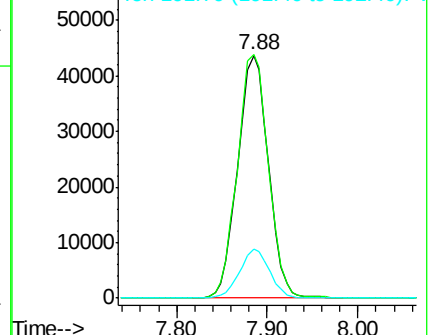
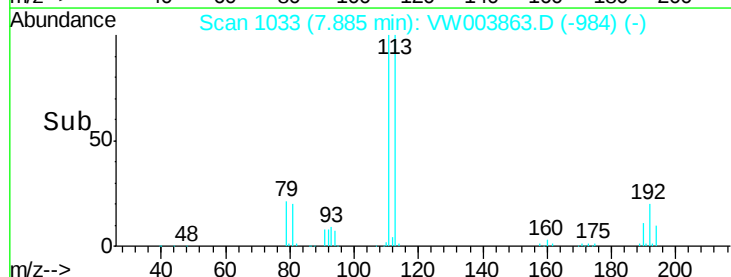
192 19.6 15.8 23.8

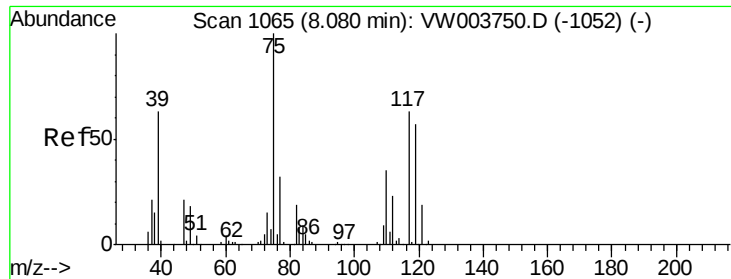


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

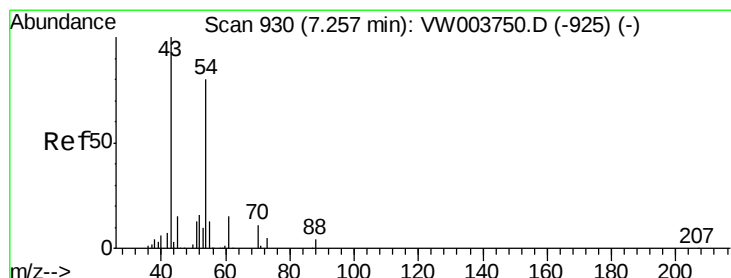
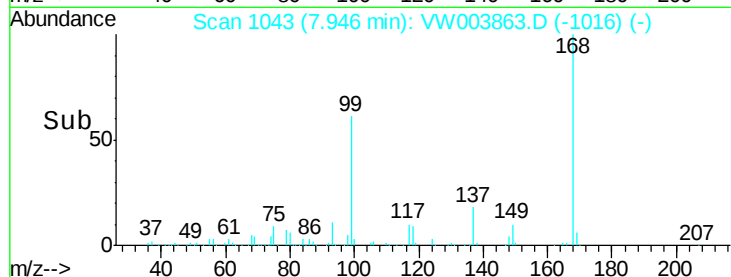
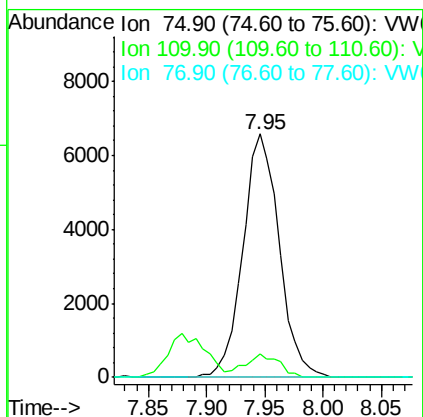
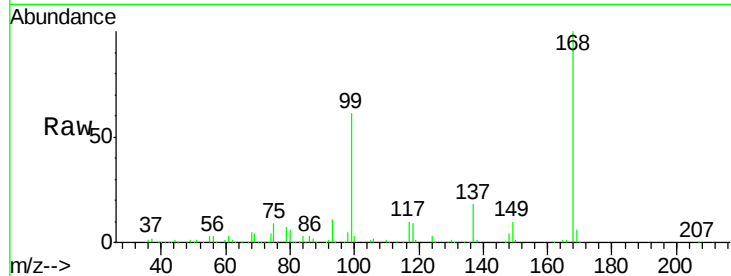




#36
 1,1-Dichloropropene
 Concen: 4.63 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003863.D
 Acq: 11 Jul 2018 09:58

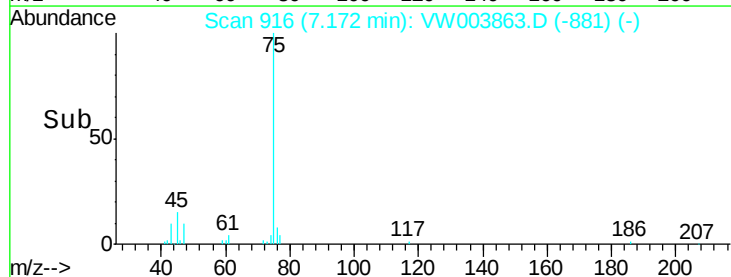
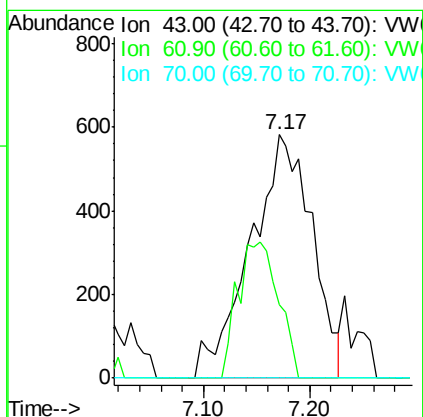
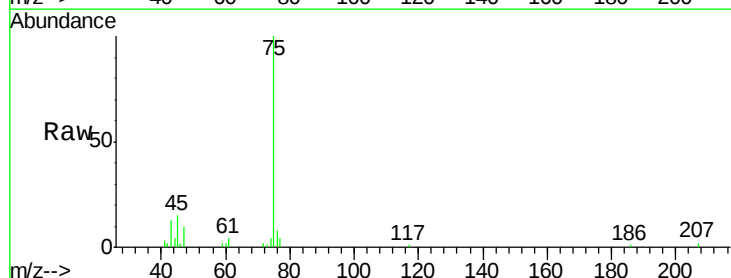
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-071018-B

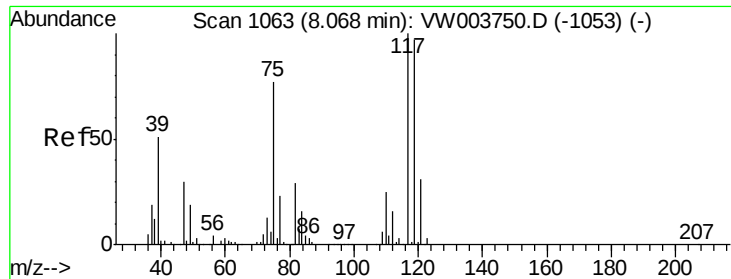
Tot Ion: 75 Resp: 14308
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 1.56 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.09 min
 Lab File: VW003863.D
 Acq: 11 Jul 2018 09:58

Tgt Ion: 43 Resp: 2342
 Ion Ratio Lower Upper
 43 100
 61 37.4 10.6 15.8#
 70 0.0 7.5 11.3#

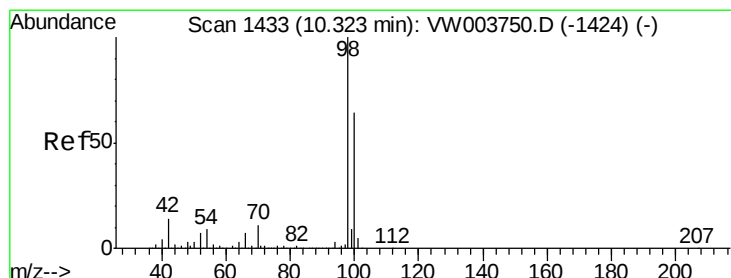
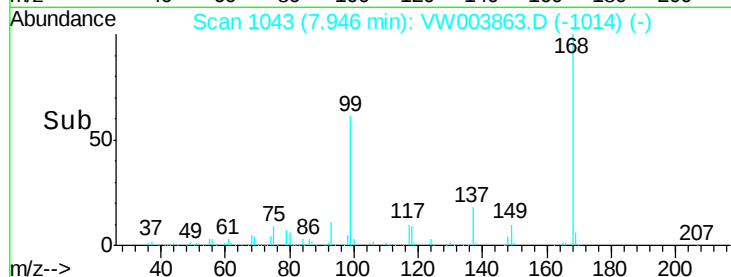
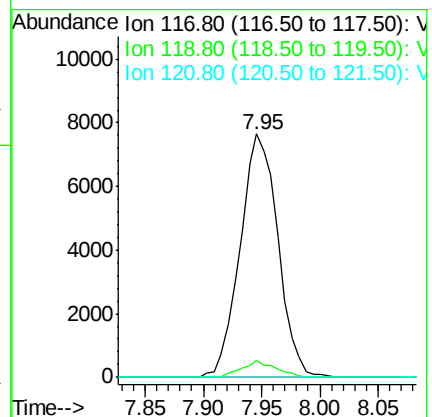
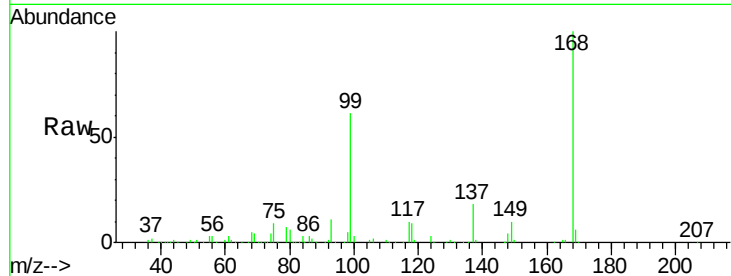




#38
Carbon Tetrachloride
Concen: 5.90 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003863.D
Acq: 11 Jul 2018 09:58

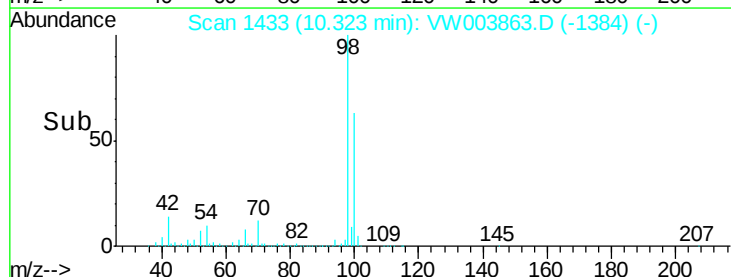
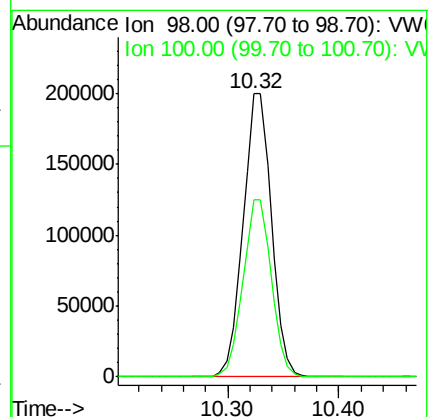
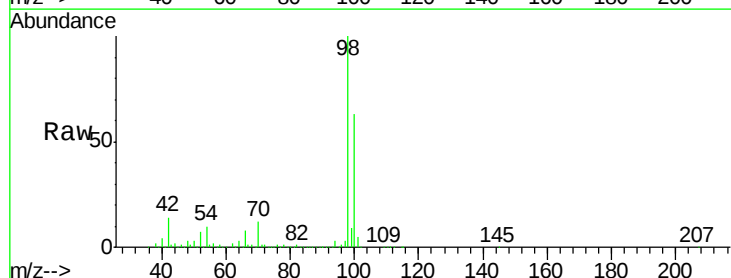
Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-B

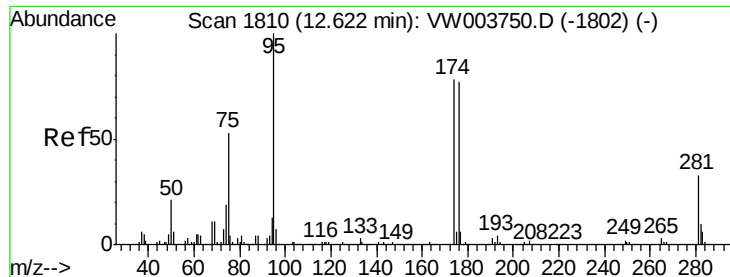
Tot Ion:117 Resp: 17335
Ion Ratio Lower Upper
117 100
119 6.8 77.4 116.2#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.23 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VW003863.D
Acq: 11 Jul 2018 09:58

Tgt Ion: 98 Resp: 352948
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2

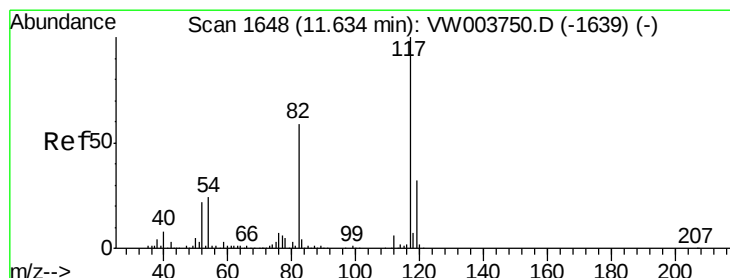
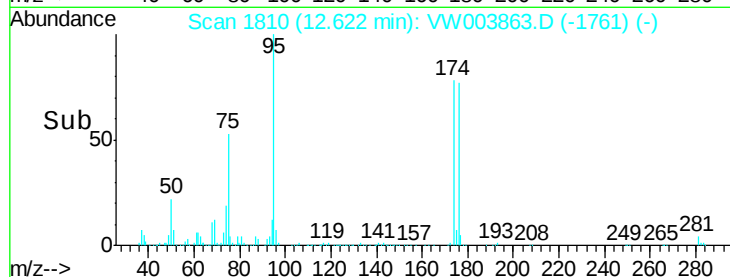
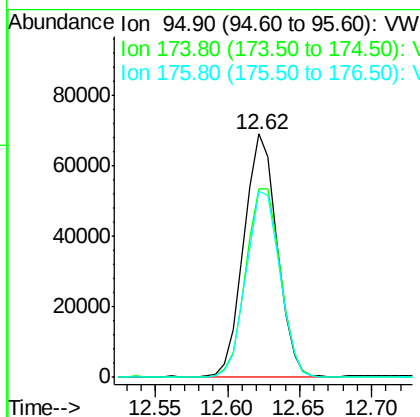
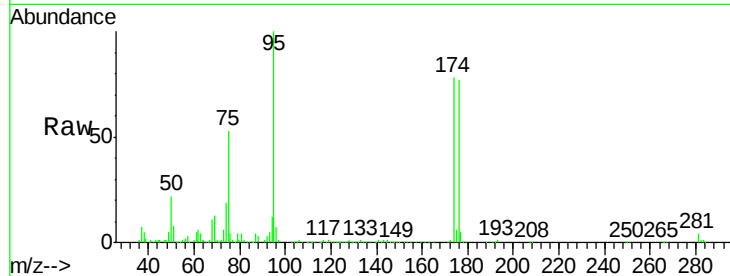




#62
4-Bromofluorobenzene
Concen: 38.63 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003863.D
Acq: 11 Jul 2018 09:58

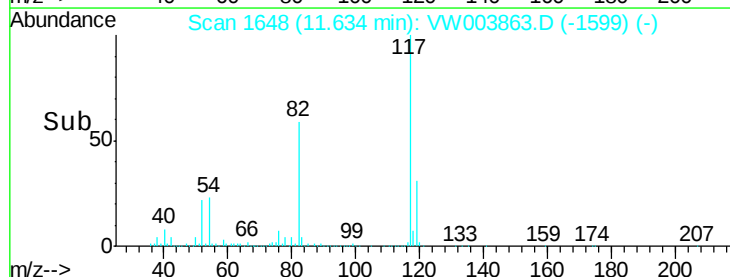
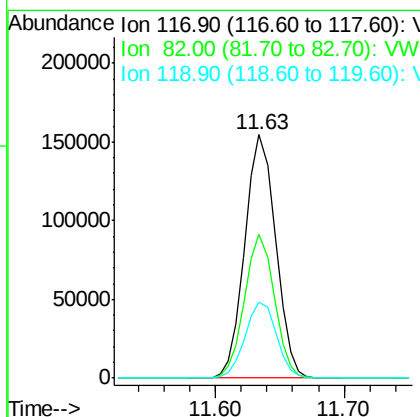
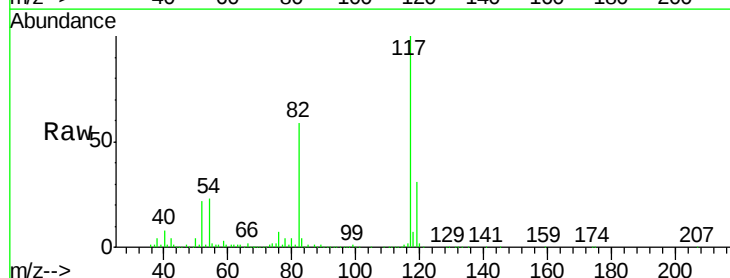
Instrument :
MSVOA_W
ClientSampleId :
EO-01-071018-B

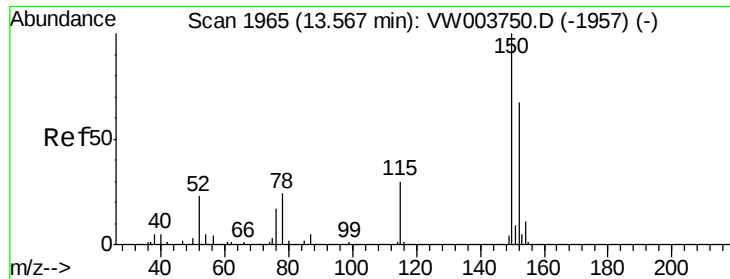
Tot Ion	95	Resp	109055
Ion Ratio	Lower	Upper	
95	100		
174	81.2	0.0	163.4
176	78.6	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003863.D
Acq: 11 Jul 2018 09:58

Tgt Ion	117	Resp	256326
Ion Ratio	Lower	Upper	
117	100		
82	58.8	46.9	70.3
119	31.3	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-B

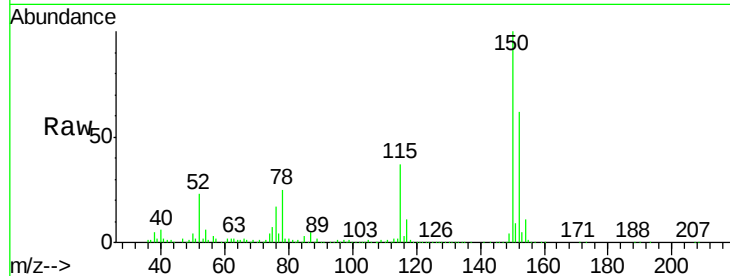
Tot Ion:152 Resp: 91597

Ion Ratio Lower Upper

152 100

115 59.7 28.9 86.8

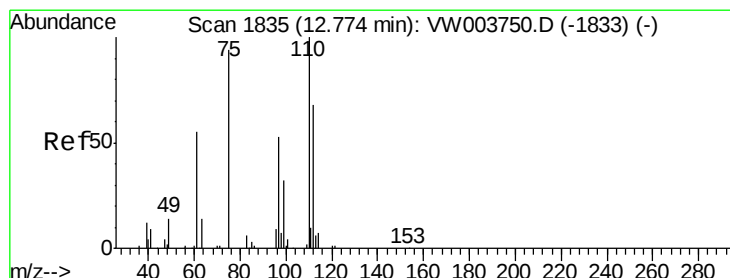
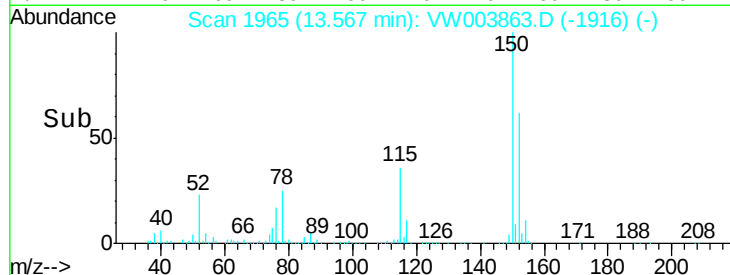
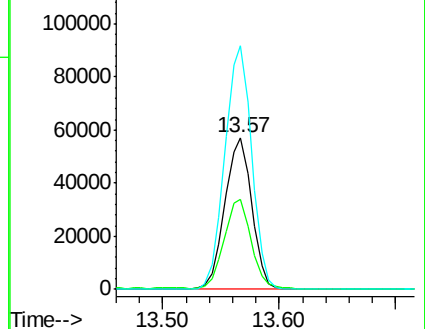
150 159.5 0.0 342.4



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: 64.74 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003863.D

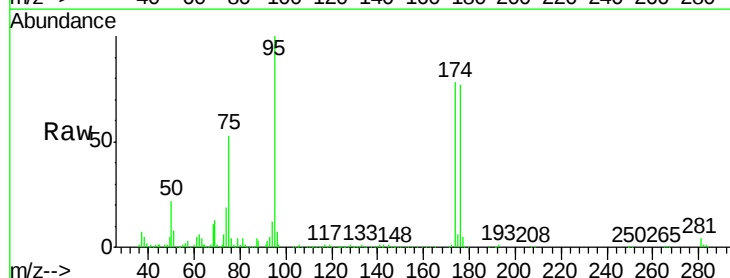
Acq: 11 Jul 2018 09:58

Tgt Ion: 75 Resp: 58230

Ion Ratio Lower Upper

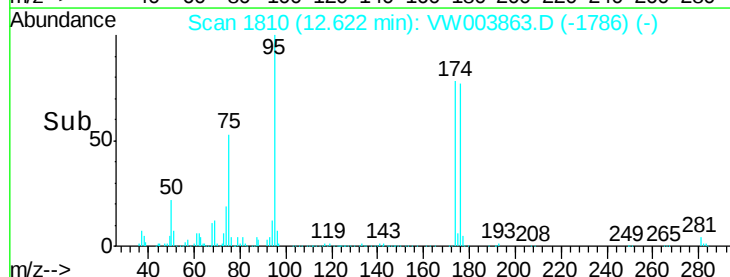
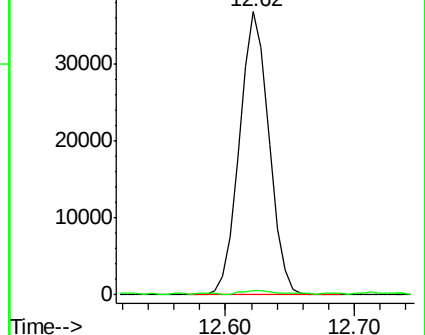
75 100

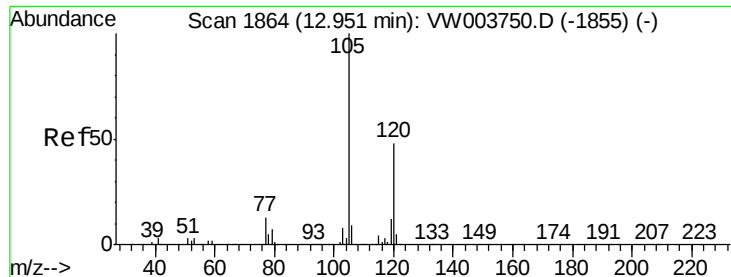
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 1.31 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

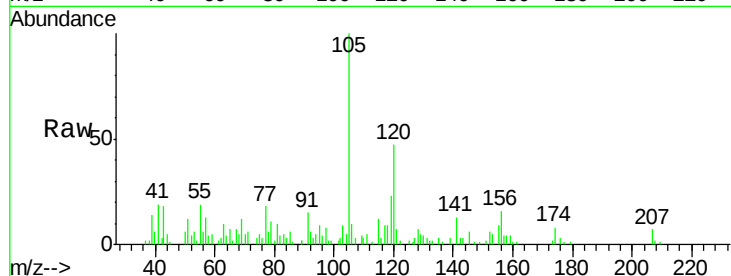
EO-01-071018-B

Tot Ion:105 Resp: 6980

Ion Ratio Lower Upper

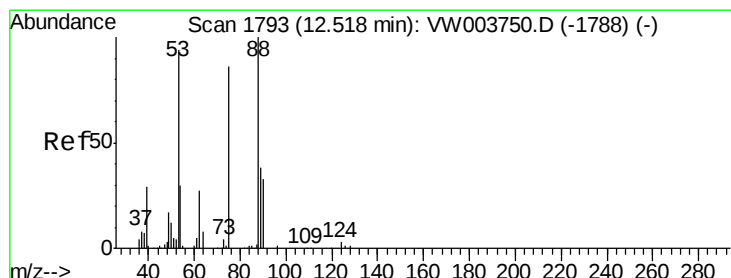
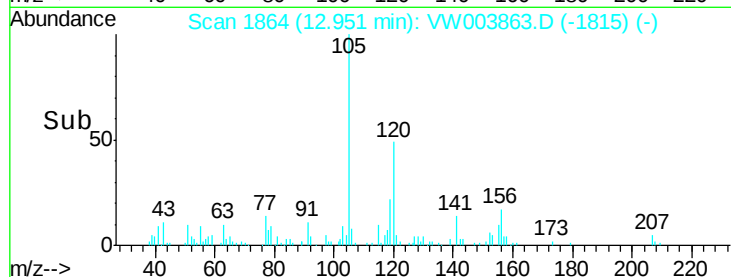
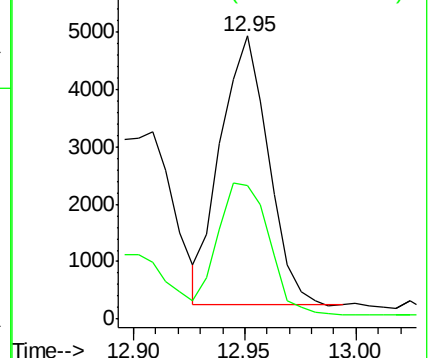
105 100

120 54.1 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 158.37 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

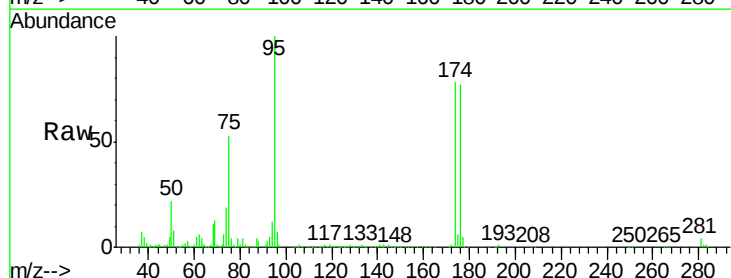
Tgt Ion: 75 Resp: 58230

Ion Ratio Lower Upper

75 100

53 0.1 85.0 127.6#

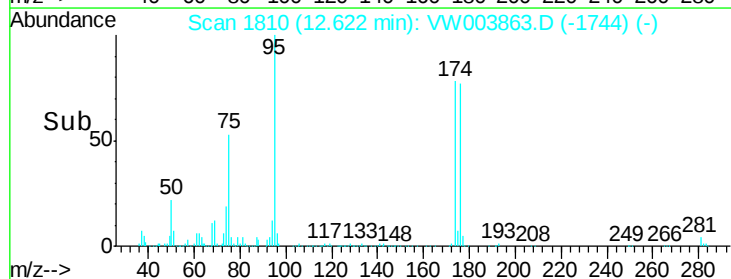
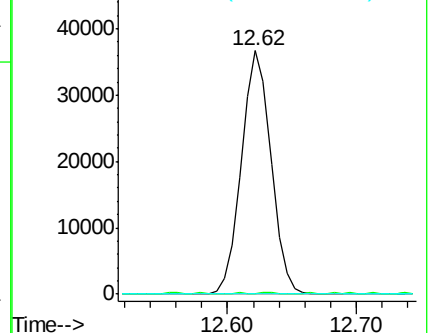
89 0.1 36.3 54.5#

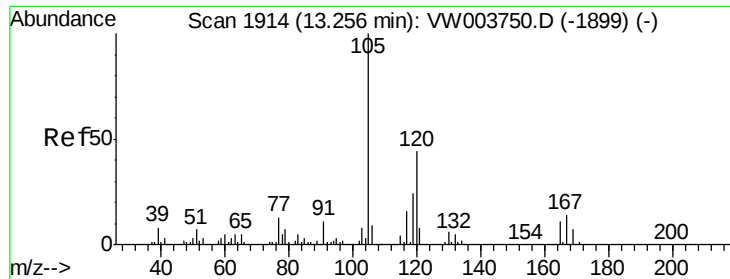


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

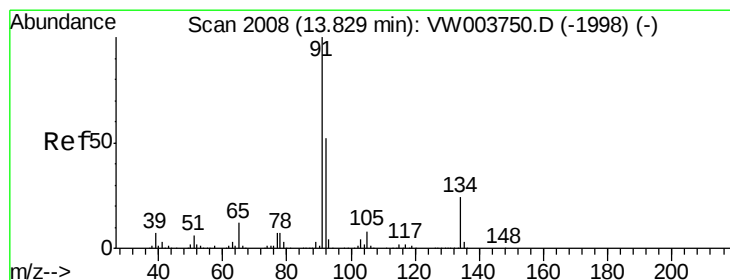
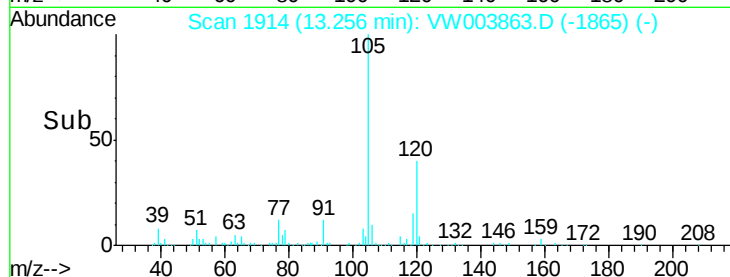
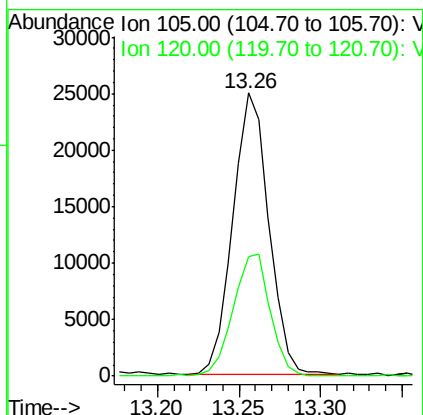
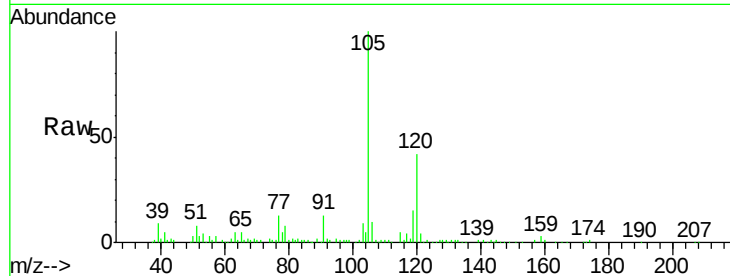




#84
 1,2,4-Trimethylbenzene
 Concen: 6.87 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003863.D
 Acq: 11 Jul 2018 09:58

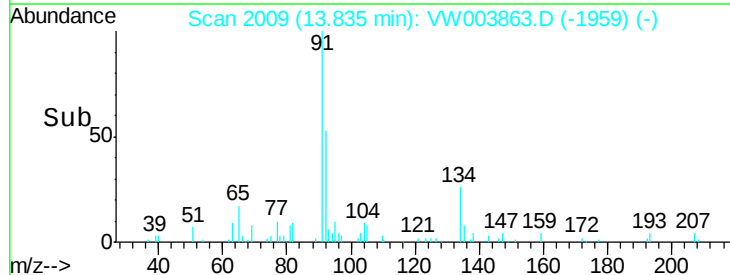
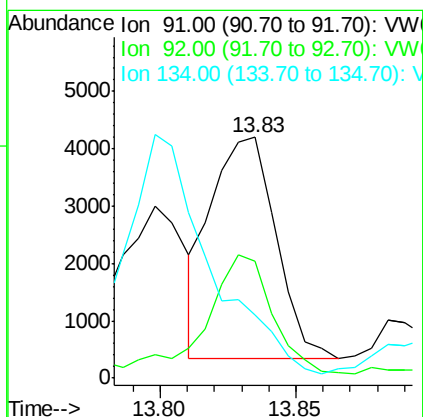
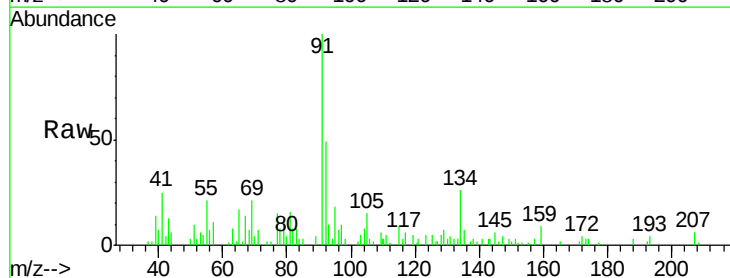
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-071018-B

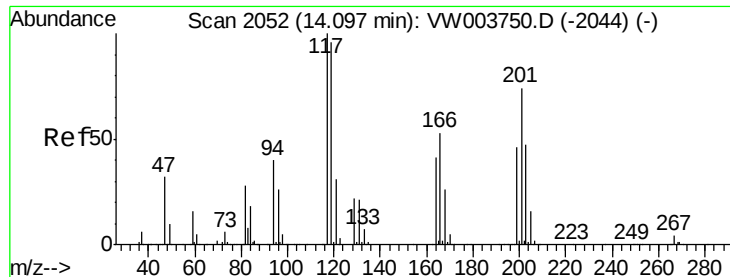
Tot Ion:105 Resp: 38169
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.0 66.0



#89
 n-Butylbenzene
 Concen: 1.13 ug/l
 RT: 13.83 min Scan# 2009
 Delta R.T. 0.01 min
 Lab File: VW003863.D
 Acq: 11 Jul 2018 09:58

Tgt Ion: 91 Resp: 6401
 Ion Ratio Lower Upper
 91 100
 92 56.9 26.1 78.3
 134 0.0 12.4 37.4#





#90

Hexachloroethane

Concen: 2.19 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

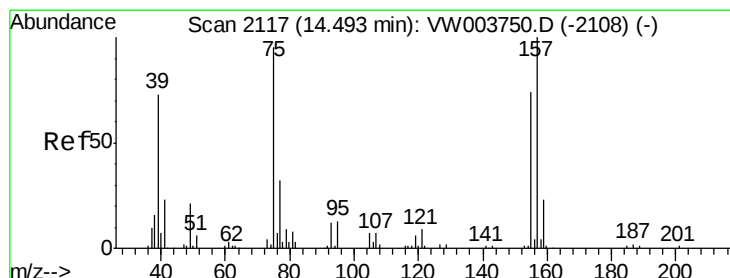
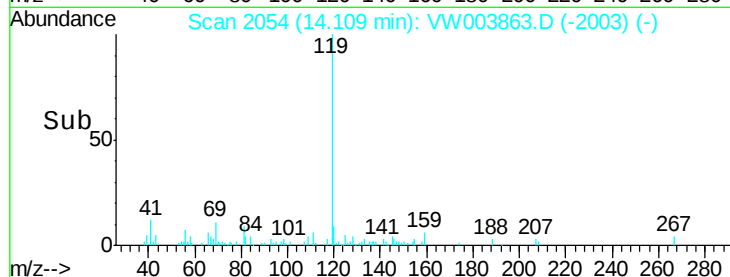
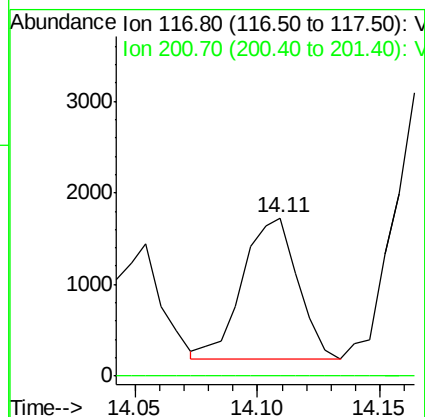
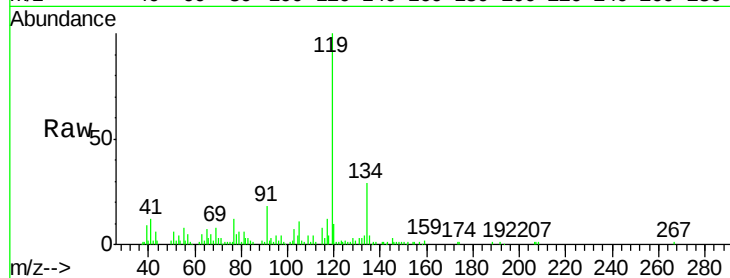
EO-01-071018-B

Tot Ion:117 Resp: 2433

Ion Ratio Lower Upper

117 100

201 0.0 39.2 117.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.10 ug/l

RT: 14.43 min Scan# 2106

Delta R.T. -0.07 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

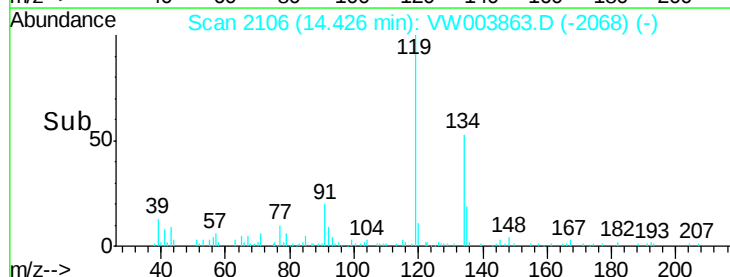
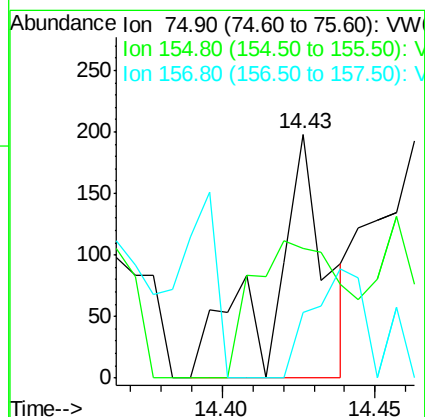
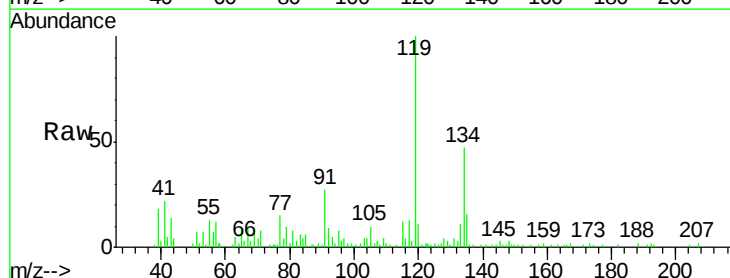
Tgt Ion: 75 Resp: 240

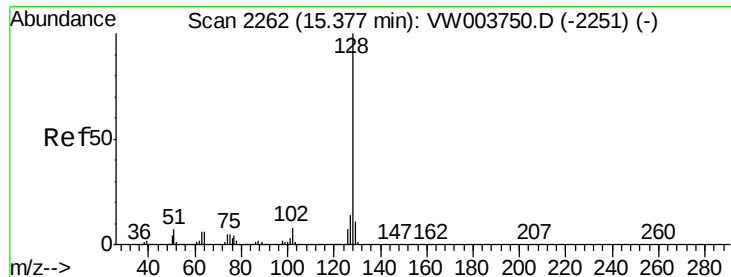
Ion Ratio Lower Upper

75 100

155 95.4 39.2 117.6

157 51.7 50.7 152.1





#95

Naphthalene

Concen: 2.70 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003863.D

Acq: 11 Jul 2018 09:58

Instrument :

MSVOA_W

ClientSampleId :

EO-01-071018-B

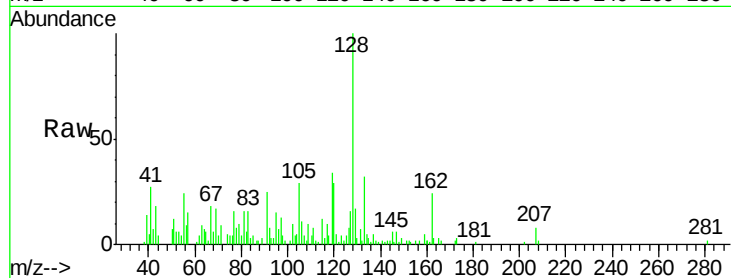
Tot Ion:128 Resp: 9175

Ion Ratio Lower Upper

128 100

127 21.3 10.8 16.2#

129 8.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

