

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004879.D
 Acq On : 22 Aug 2018 09:36
 Operator : SY/AP
 Sample : J4278-11
 Misc : 6.93G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-082118-C

Quant Time: Aug 22 10:54:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	410961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	710194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	587566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	293947	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	230512	58.02	ug/l	0.00
Spiked Amount			Recovery	=	116.04%	
35) Dibromofluoromethane	7.89	113	221296	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	10.33	98	607357	34.28	ug/l	0.00
Spiked Amount			Recovery	=	68.56%	
62) 4-Bromofluorobenzene	12.63	95	244710	38.39	ug/l	0.00
Spiked Amount			Recovery	=	76.78%	

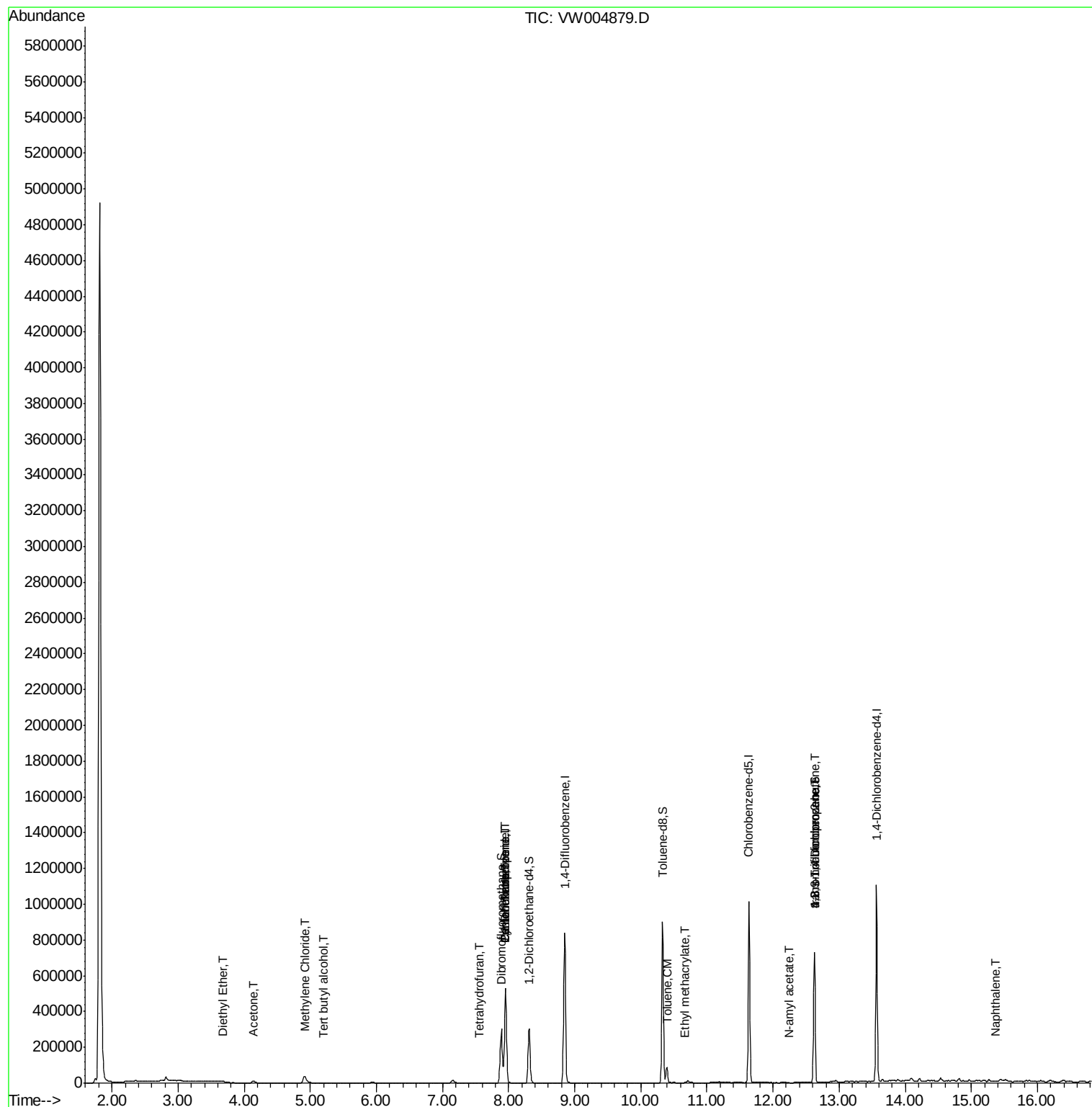
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	4978	2.23	ug/l	84
11) Tert butyl alcohol	5.20	59	228	1.03	ug/l #	72
16) Acetone	4.14	43	19735	19.46	ug/l	96
20) Methylene Chloride	4.92	84	33008	3.08	ug/l	99
29) Tetrahydrofuran	7.54	42	957	1.30	ug/l #	89
31) Cyclohexane	7.95	56	8209	1.06	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	29994	4.10	ug/l #	49
38) Carbon Tetrachloride	7.95	117	37113	5.51	ug/l #	17
52) Toluene	10.39	92	37311	2.93	ug/l	99
56) Ethyl methacrylate	10.67	69	291	3.04	ug/l #	1
74) N-amyl acetate	12.24	43	536	4.12	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	114423	44.16	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	114423	102.64	ug/l #	14
95) Naphthalene	15.37	128	872	3.57	ug/l #	84

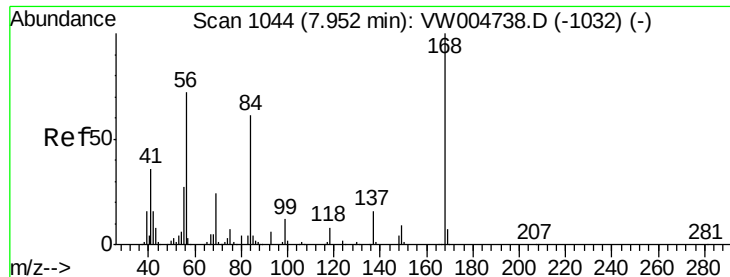
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004879.D

Acq: 22 Aug 2018 09:36

Instrument :

MSVOA_W

ClientSampleId :

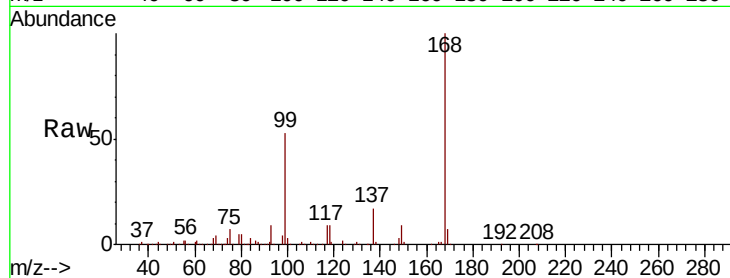
EO-01-082118-C

Tot Ion:168 Resp: 410961

Ion Ratio Lower Upper

168 100

99 53.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

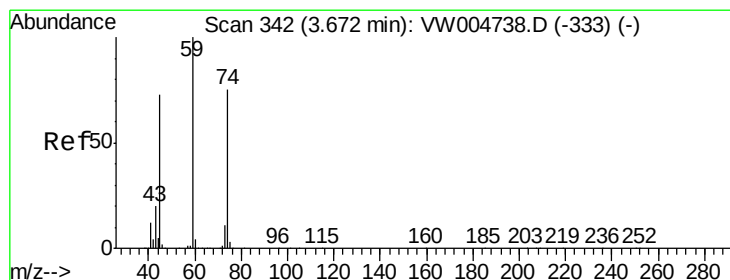
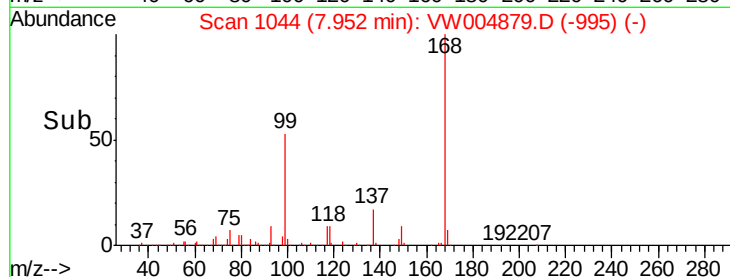
50000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 2.23 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW004879.D

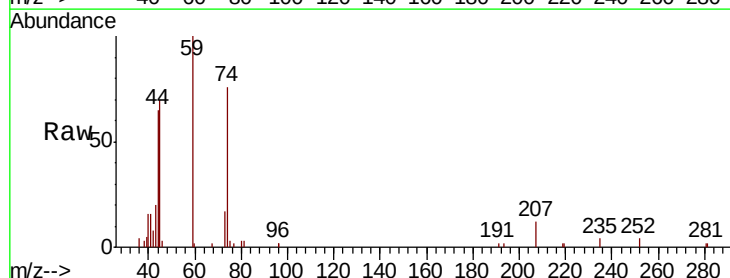
Acq: 22 Aug 2018 09:36

Tgt Ion: 74 Resp: 4978

Ion Ratio Lower Upper

74 100

45 115.0 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2500

2000

1500

1000

500

0

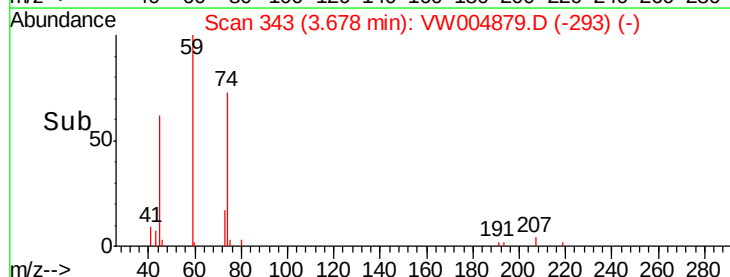
3.60

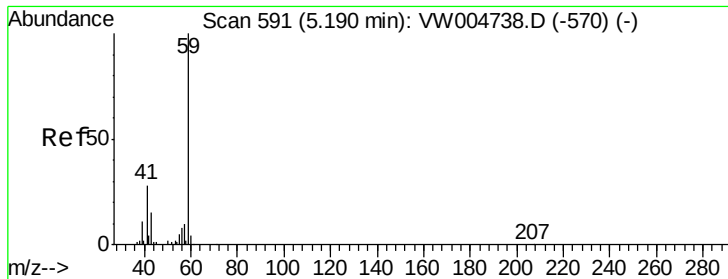
3.65

3.70

3.75

Time-->

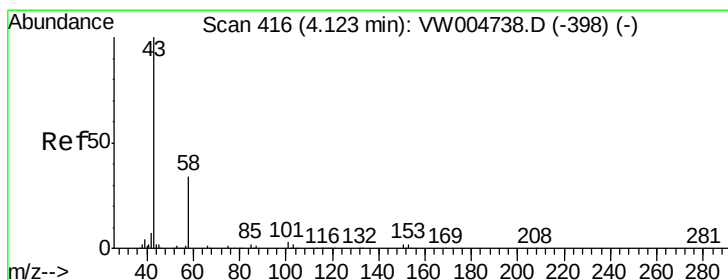
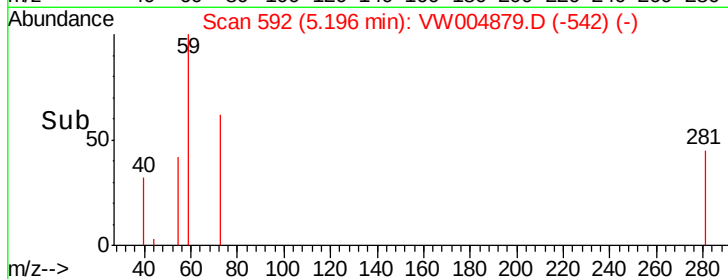
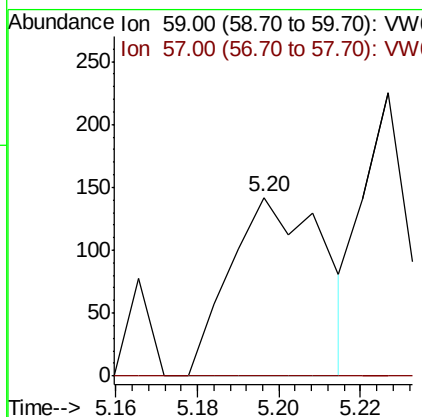
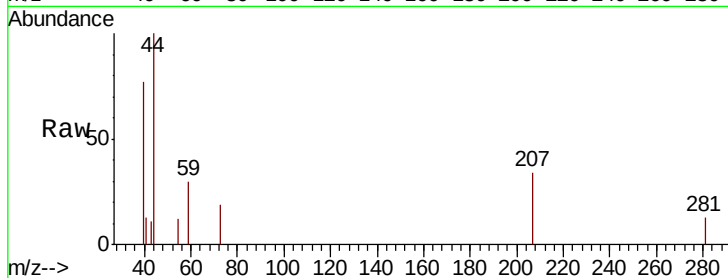




#11
Tert butyl alcohol
Concen: 1.03 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW004879.D
Acq: 22 Aug 2018 09:36

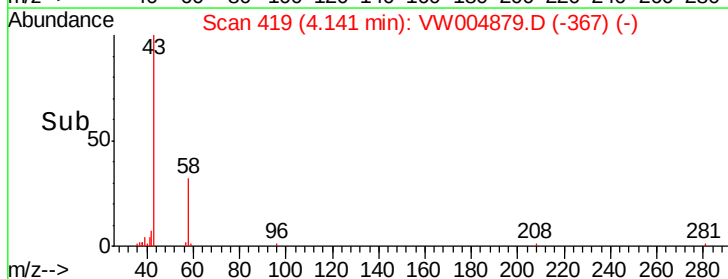
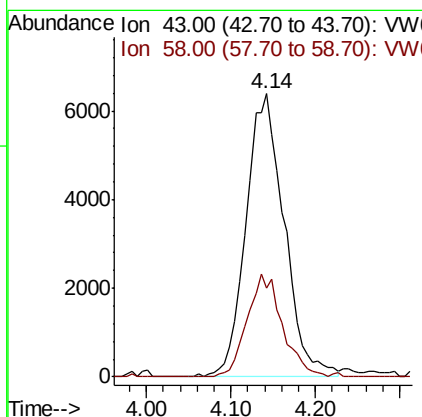
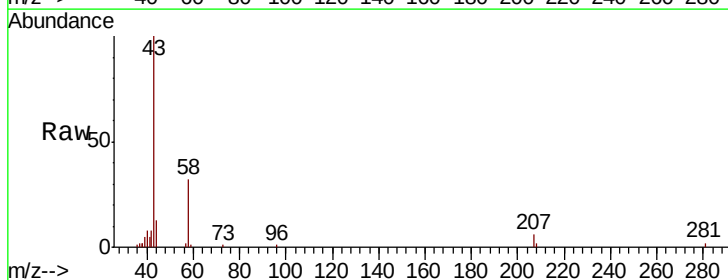
Instrument :
MSVOA_W
ClientSampleId :
EO-01-082118-C

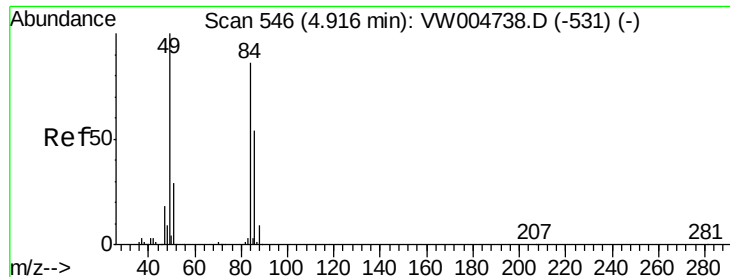
Tot Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 19.46 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.02 min
Lab File: VW004879.D
Acq: 22 Aug 2018 09:36

Tgt Ion: 43 Resp: 19735
Ion Ratio Lower Upper
43 100
58 31.6 27.3 40.9



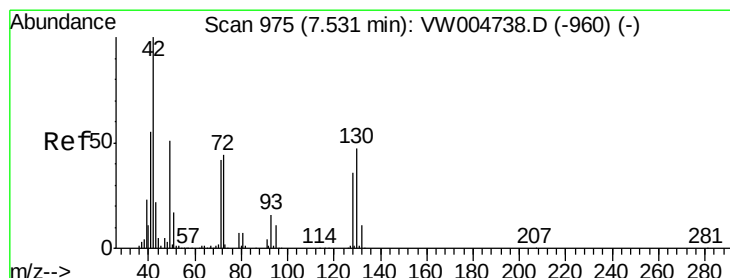
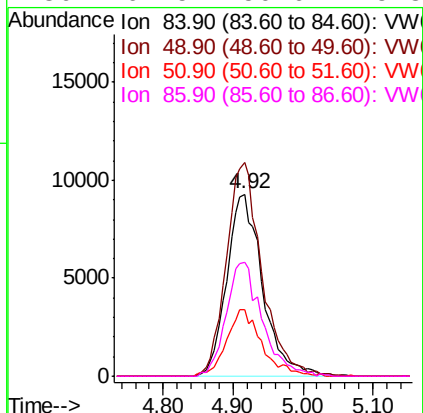
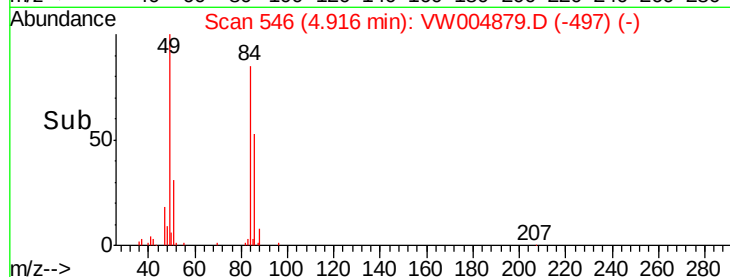
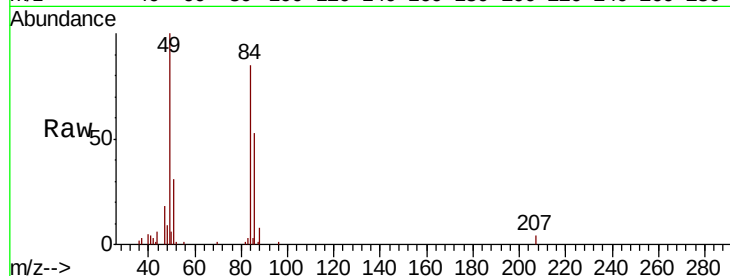


#20
Methylene Chloride
Concen: 3.08 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004879.D
Acq: 22 Aug 2018 09:36

Instrument :
MSVOA_W
ClientSampleId :
EO-01-082118-C

Tot Ion: 84 Resp: 33008

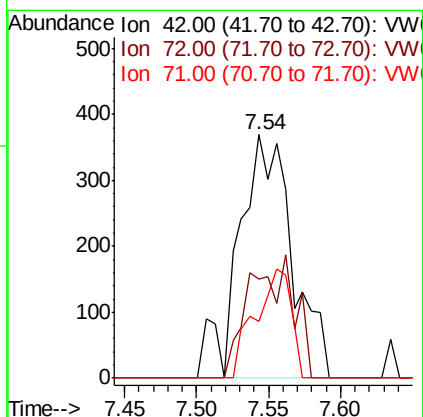
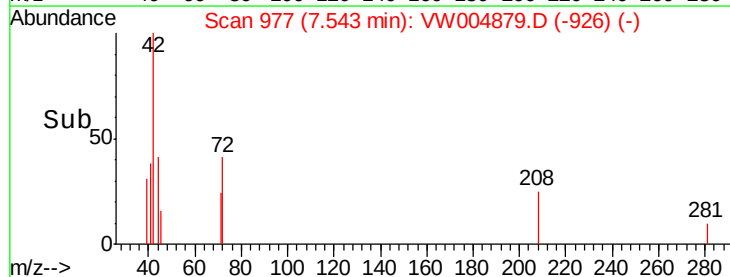
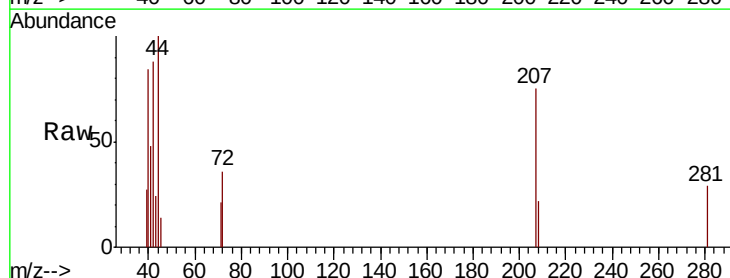
Ion	Ratio	Lower	Upper
84	100		
49	117.1	93.2	139.8
51	36.2	27.4	41.0
86	62.5	50.6	75.8

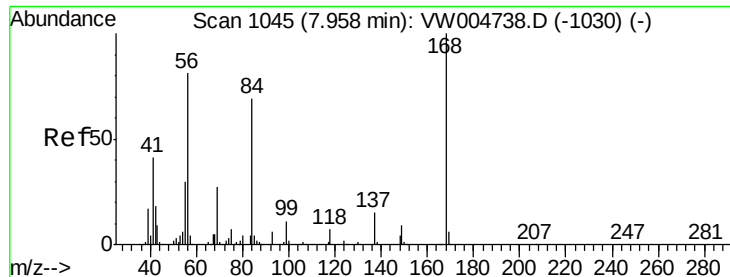


#29
Tetrahydrofuran
Concen: 1.30 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004879.D
Acq: 22 Aug 2018 09:36

Tgt Ion: 42 Resp: 957

Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.9	52.3
71	29.8	33.8	50.6#

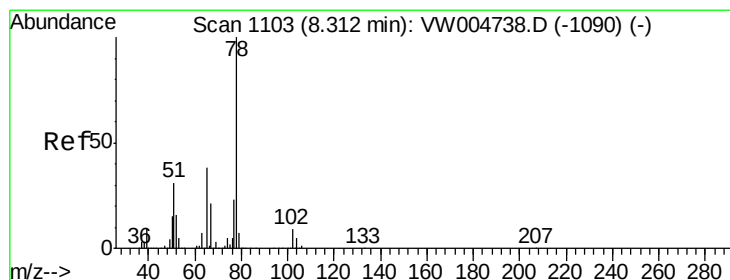
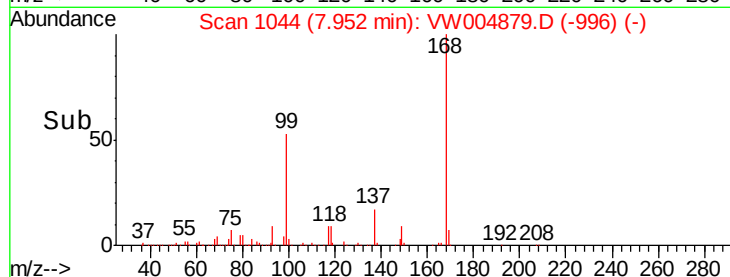
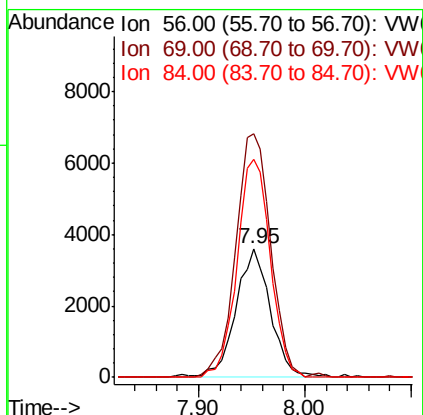
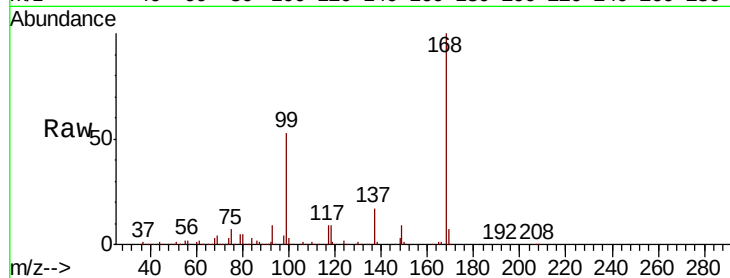




#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004879.D
Acq: 22 Aug 2018 09:36

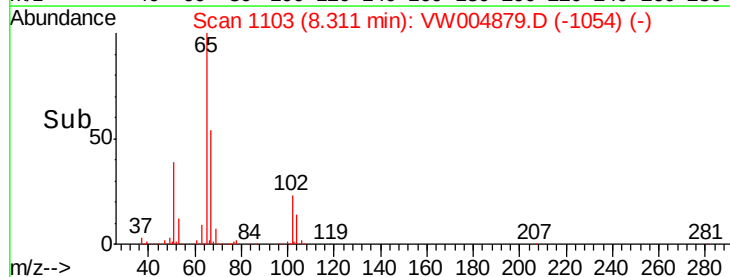
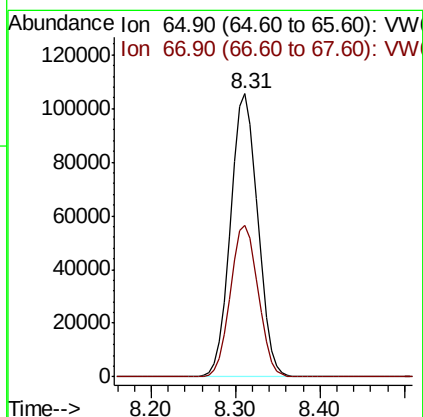
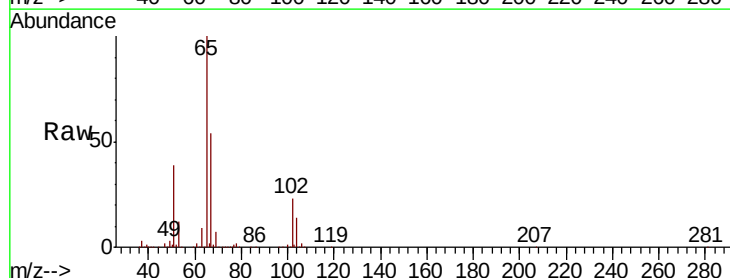
Instrument :
MSVOA_W
ClientSampleId :
EO-01-082118-C

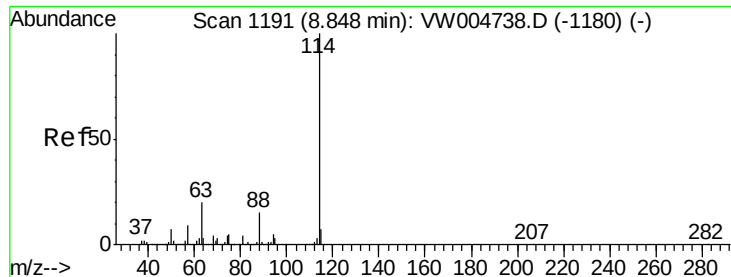
Tot Ion: 56 Resp: 8209
Ion Ratio Lower Upper
56 100
69 188.8 27.1 40.7#
84 169.1 68.3 102.5#



#33
1,2-Dichloroethane-d4
Concen: 58.02 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004879.D
Acq: 22 Aug 2018 09:36

Tgt Ion: 65 Resp: 230512
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004879.D

Acq: 22 Aug 2018 09:36

Instrument :

MSVOA_W

ClientSampleId :

EO-01-082118-C

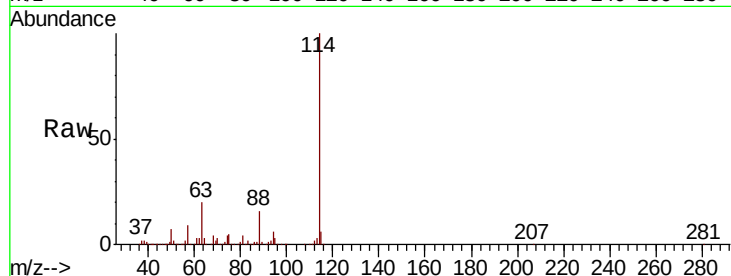
Tot Ion:114 Resp: 710194

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

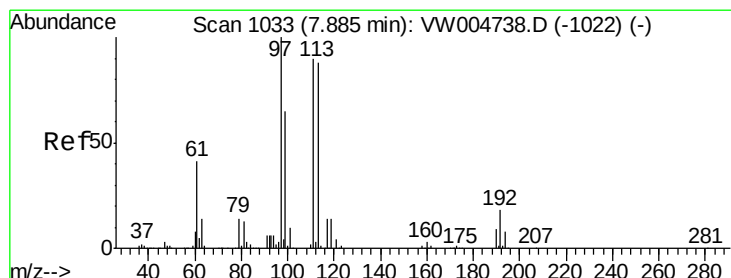
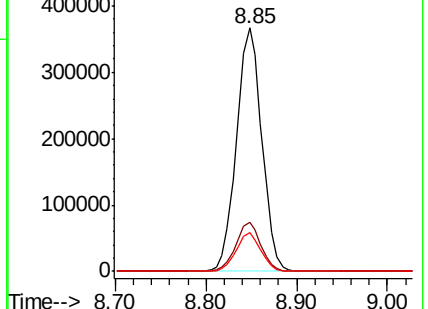
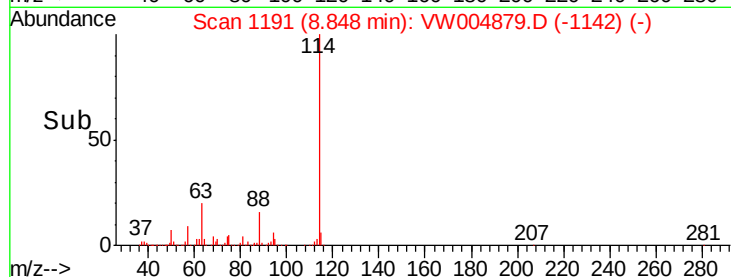
88 15.8 0.0 30.0



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: 48.75 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004879.D

Acq: 22 Aug 2018 09:36

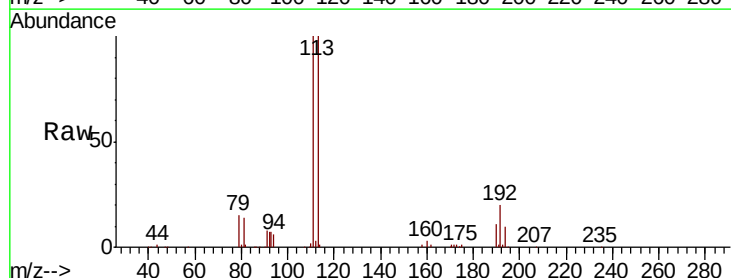
Tgt Ion:113 Resp: 221296

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

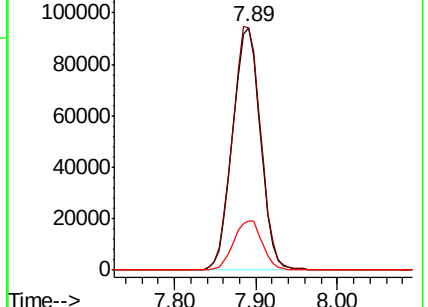
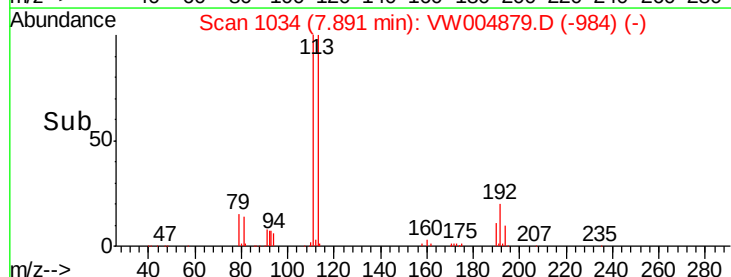
192 21.0 16.7 25.1

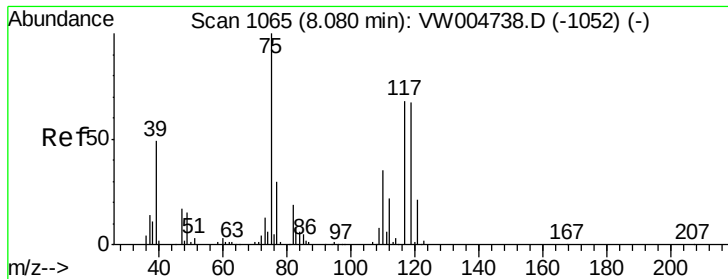


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

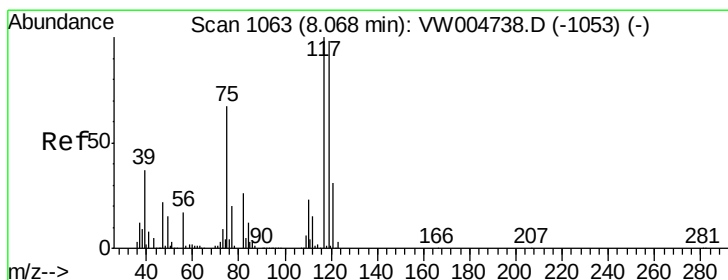
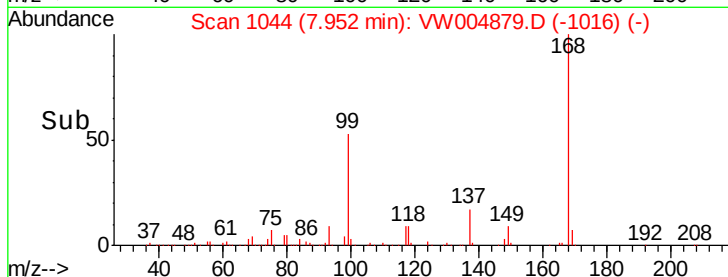
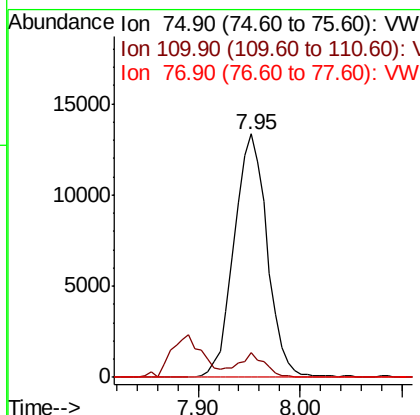
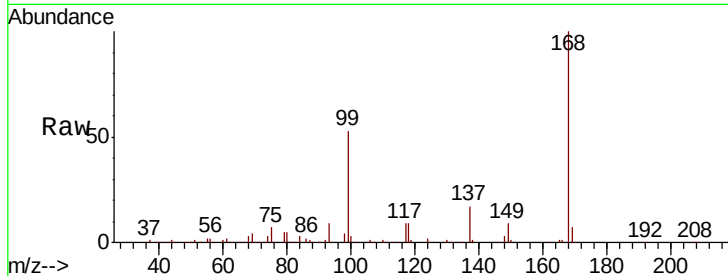




#36
 1,1-Dichloropropene
 Concen: 4.10 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004879.D
 Acq: 22 Aug 2018 09:36

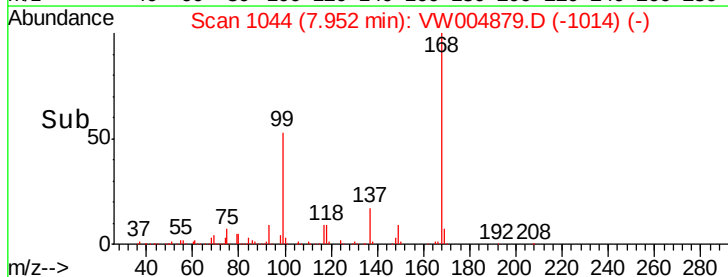
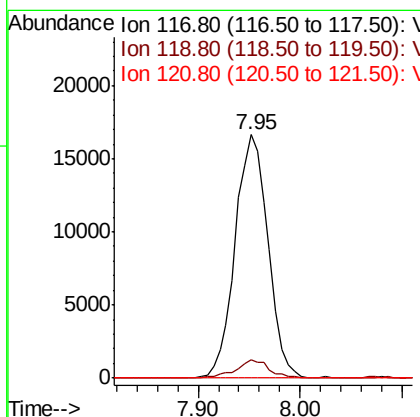
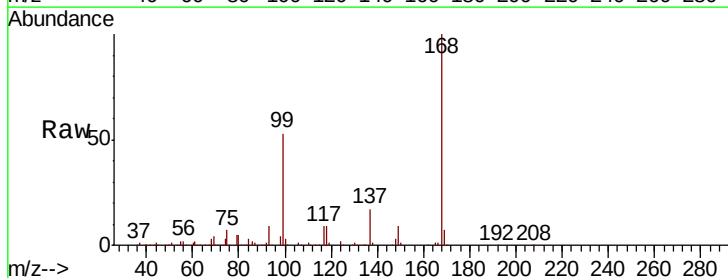
Instrument :
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 ClientSampleId :
 EO-01-082118-C

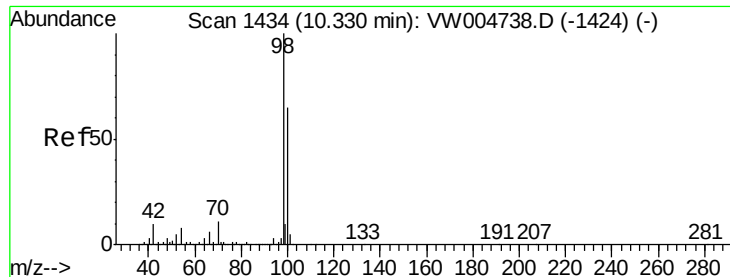
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.8	53.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.51 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004879.D
 Acq: 22 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.7	78.0	117.0#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 34.28 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004879.D

Acq: 22 Aug 2018 09:36

Instrument :

MSVOA_W

ClientSampleId :

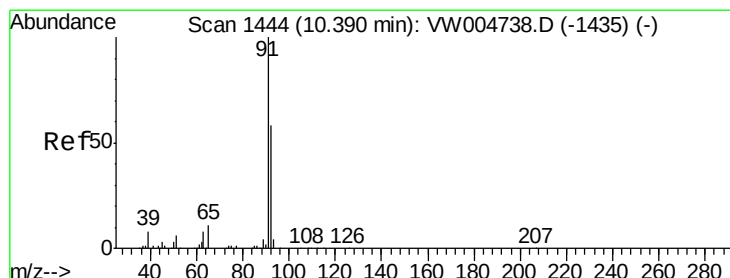
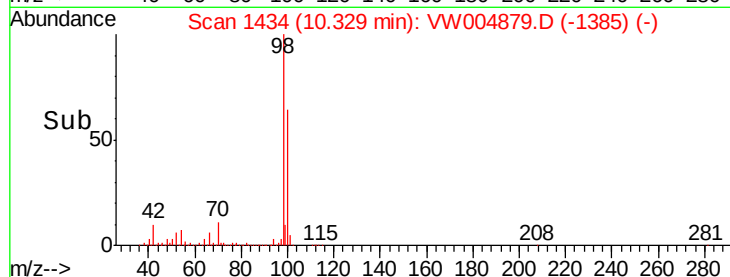
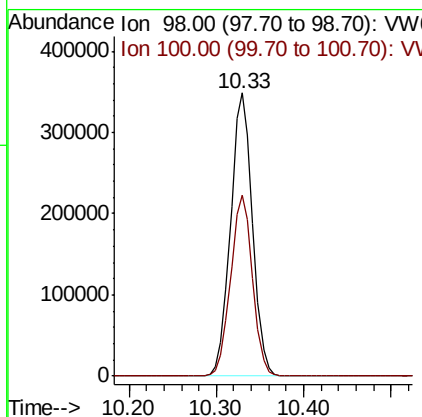
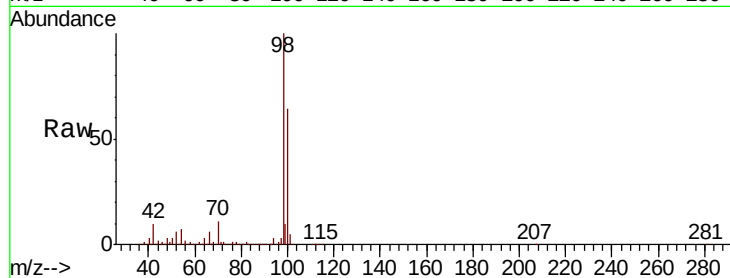
EO-01-082118-C

Tot Ion: 98 Resp: 607357

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.8



#52

Toluene

Concen: 2.93 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004879.D

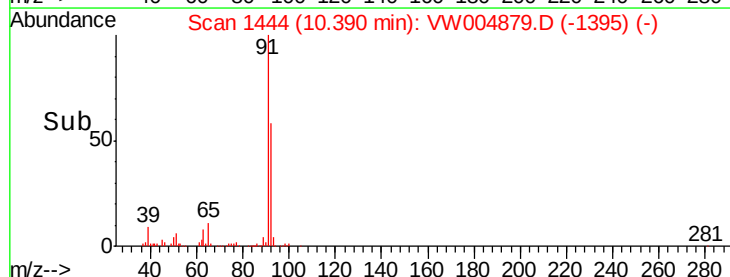
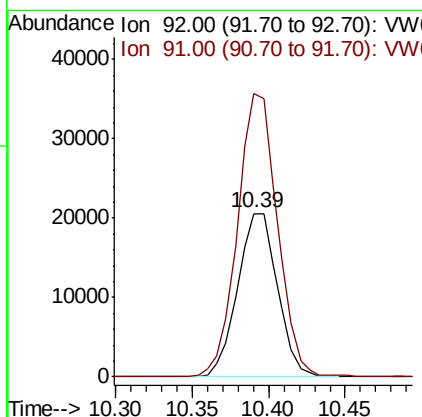
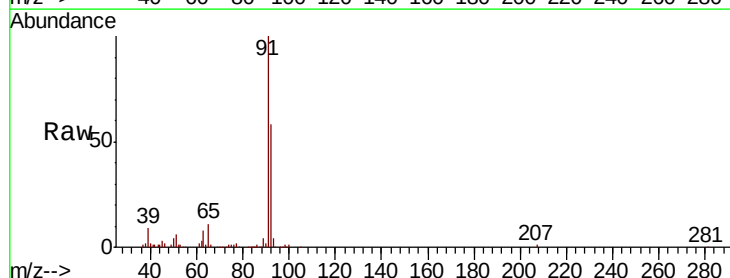
Acq: 22 Aug 2018 09:36

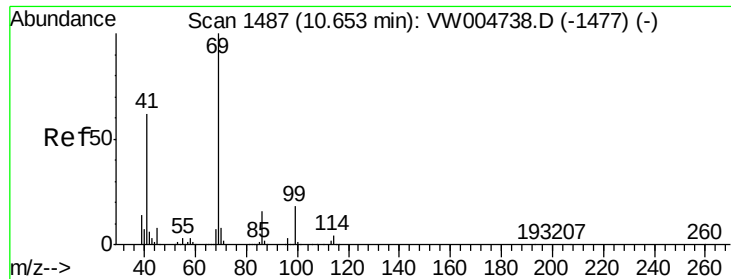
Tgt Ion: 92 Resp: 37311

Ion Ratio Lower Upper

92 100

91 173.6 138.3 207.5





#56

Ethyl methacrylate

Concen: 3.04 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW004879.D

Acq: 22 Aug 2018 09:36

Instrument :

MSVOA_W

ClientSampleId :

EO-01-082118-C

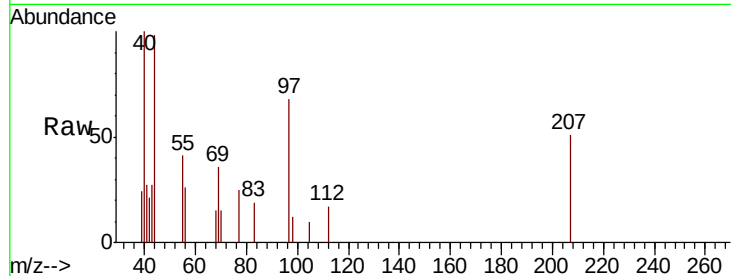
Tot Ion: 69 Resp: 291

Ion Ratio Lower Upper

69 100

41 177.0 50.7 76.1#

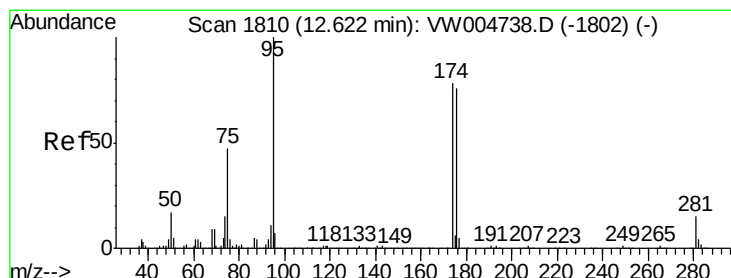
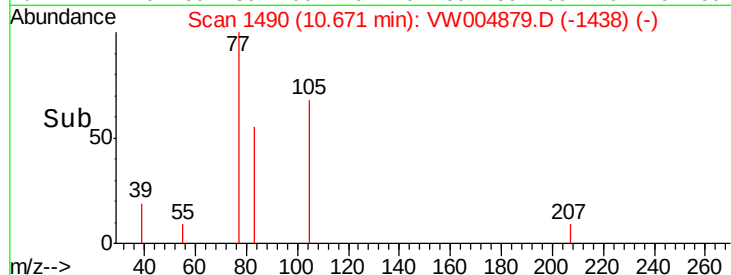
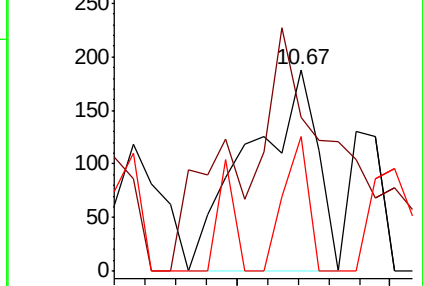
39 0.0 21.4 32.2#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 38.39 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW004879.D

Acq: 22 Aug 2018 09:36

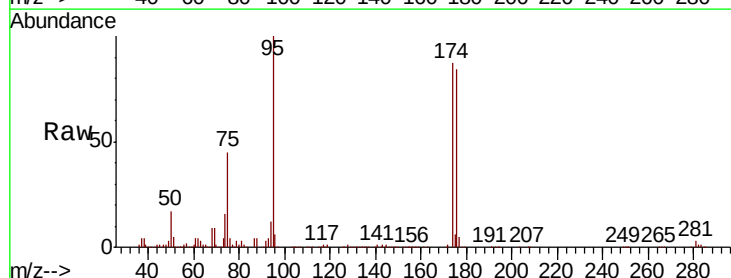
Tgt Ion: 95 Resp: 244710

Ion Ratio Lower Upper

95 100

174 84.5 0.0 165.8

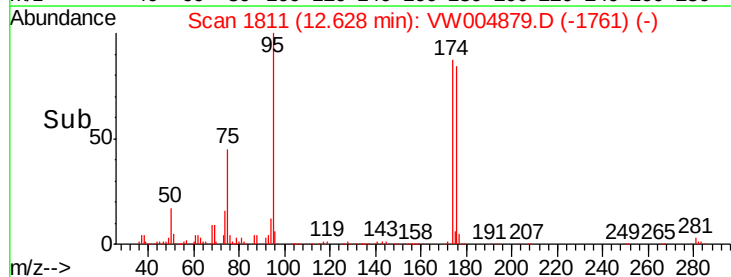
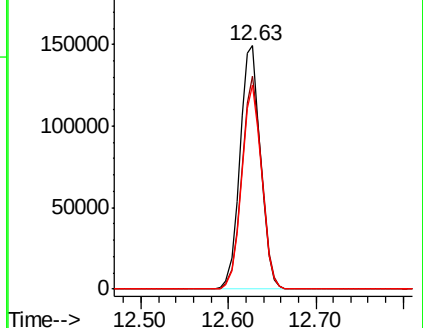
176 81.2 0.0 159.8

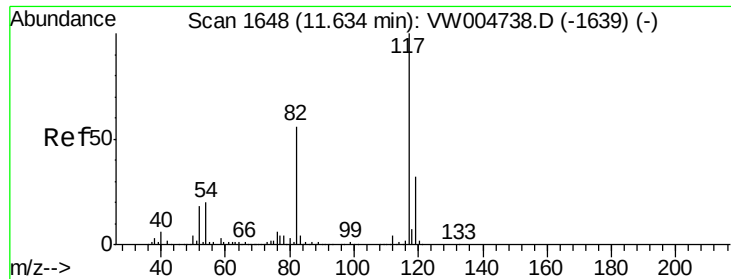


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

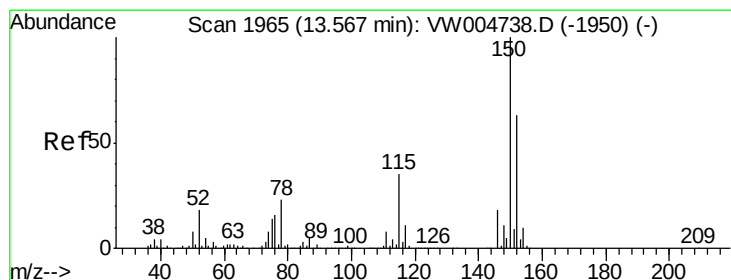
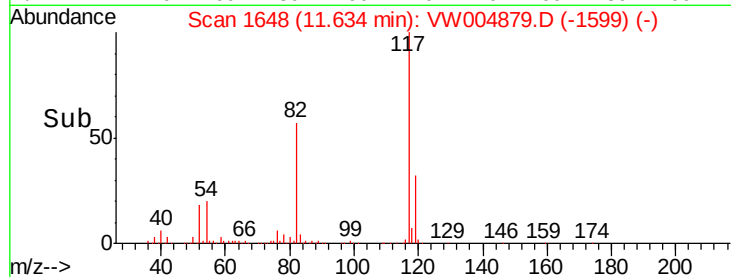
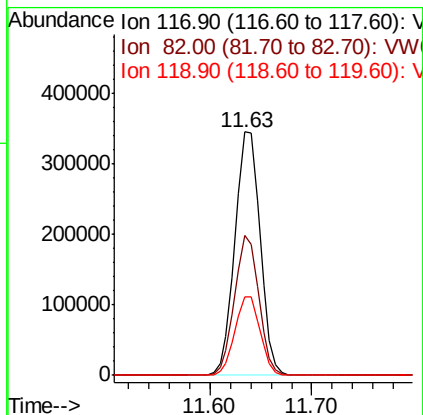
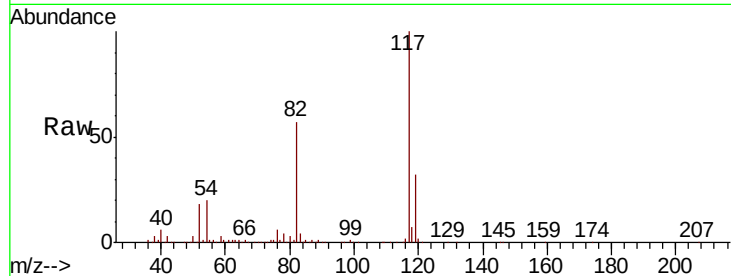




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004879.D
Acq: 22 Aug 2018 09:36

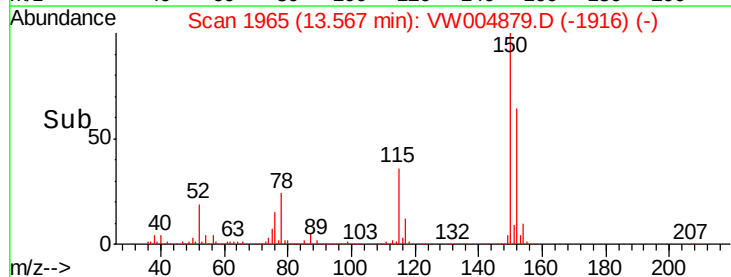
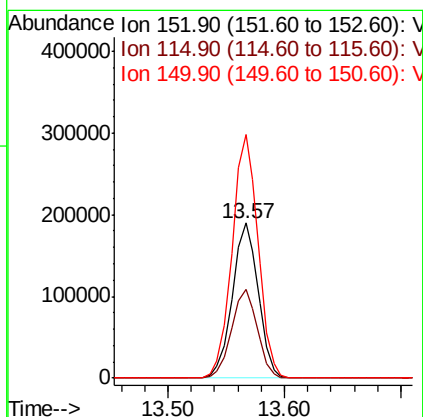
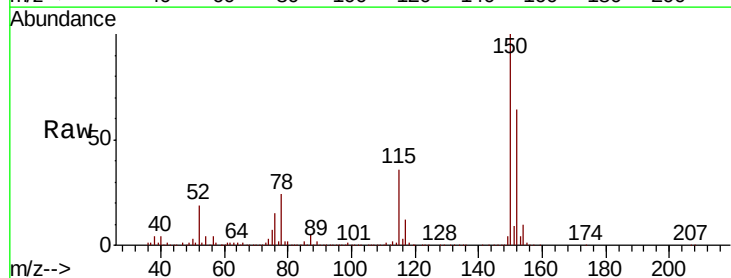
Instrument :
MSVOA_W
ClientSampleId :
EO-01-082118-C

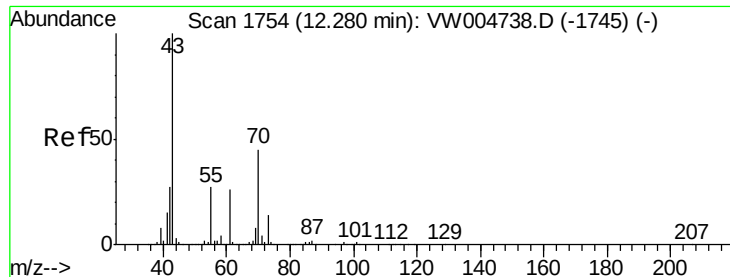
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	67.0
119	32.2	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004879.D
Acq: 22 Aug 2018 09:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.5	85.5
150	156.8	0.0	344.8





#74

N-amvl acetate

Concen: 4.12 ug/l

RT: 12.24 min Scan# 1747

Delta R.T. -0.04 min

Lab File: VW004879.D

Acq: 22 Aug 2018 09:36

Instrument :

MSVOA_W

ClientSampleId :

EO-01-082118-C

Tot Ion: 43 Resp: 536

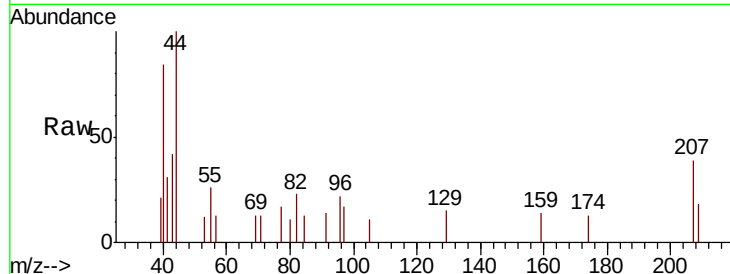
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 35.4 22.6 33.8#

61 0.0 20.2 30.4#

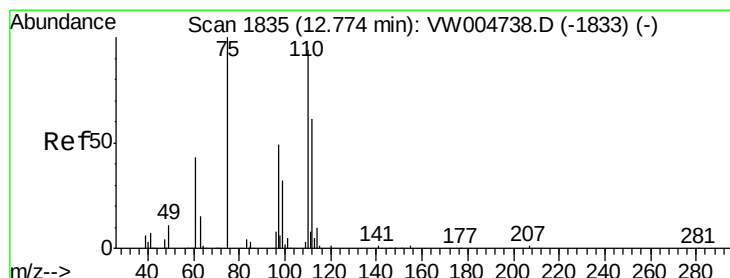
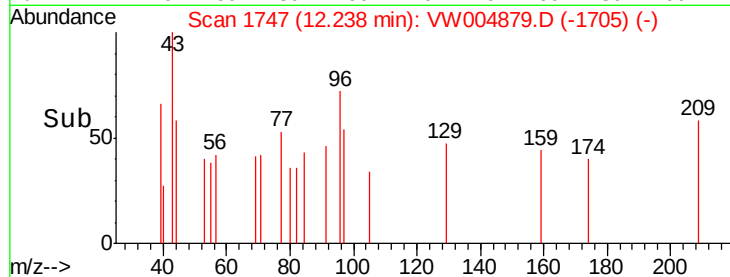
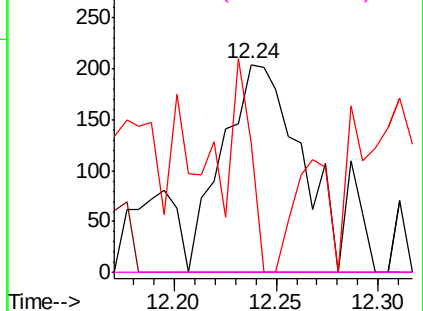


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 44.16 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004879.D

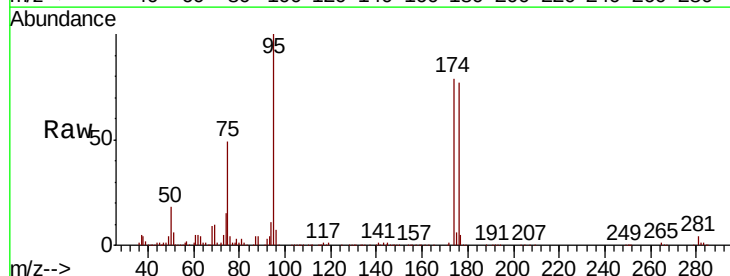
Acq: 22 Aug 2018 09:36

Tgt Ion: 75 Resp: 114423

Ion Ratio Lower Upper

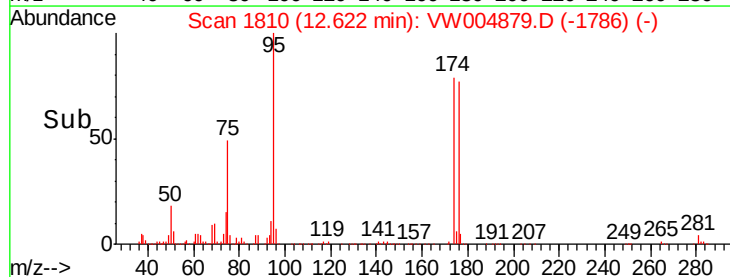
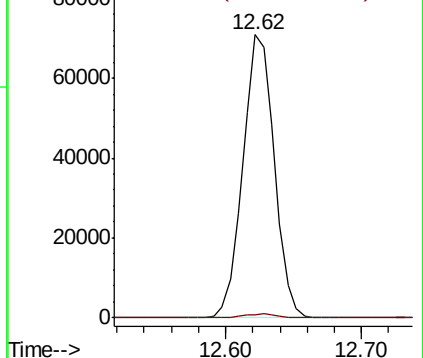
75 100

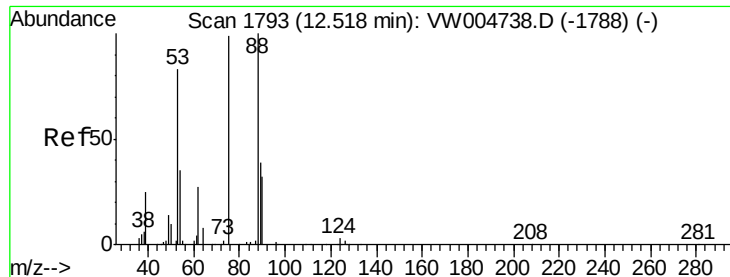
77 1.7 0.0 0.0#



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: 102.64 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004879.D

Acq: 22 Aug 2018 09:36

Instrument :

MSVOA_W

ClientSampleId :

EO-01-082118-C

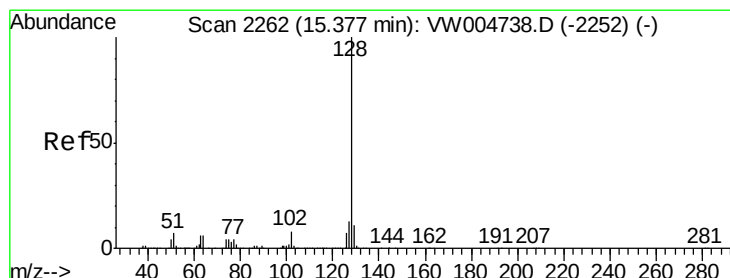
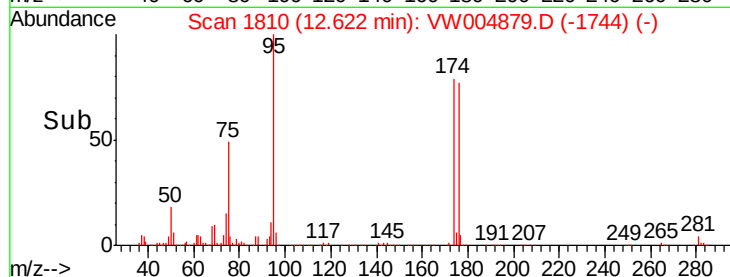
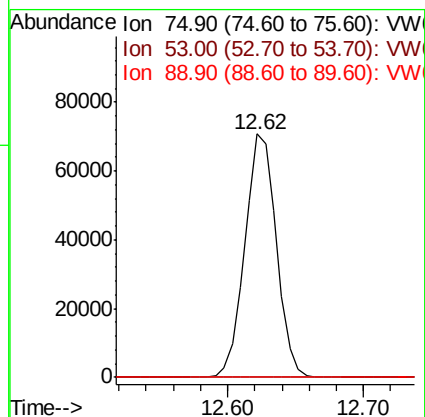
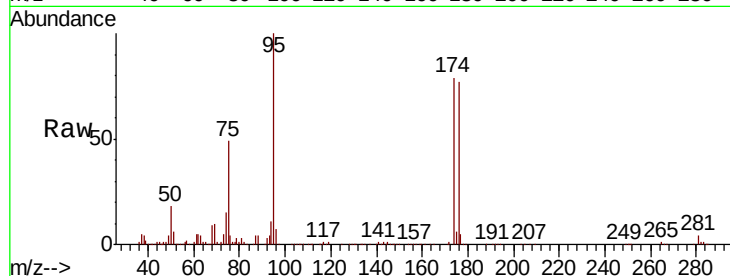
Tot Ion: 75 Resp: 114423

Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.4#

89 0.0 35.2 52.8#



#95

Naphthalene

Concen: 3.57 ug/l

RT: 15.37 min Scan# 2261

Delta R.T. -0.01 min

Lab File: VW004879.D

Acq: 22 Aug 2018 09:36

Tgt Ion: 128 Resp: 872

Ion Ratio Lower Upper

128 100

127 10.8 10.4 15.6

129 0.0 8.6 13.0#

