

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004878.D
 Acq On : 22 Aug 2018 09:10
 Operator : SY/AP
 Sample : J4278-09
 Misc : 5.54G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

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

Quant Time: Aug 22 10:53:50 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	501507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	865017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	797644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	336284	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	275786	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	
35) Dibromofluoromethane	7.89	113	263905	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
50) Toluene-d8	10.33	98	904914	41.93	ug/l	0.00
Spiked Amount			Recovery	=	83.86%	
62) 4-Bromofluorobenzene	12.63	95	281766	36.29	ug/l	0.00
Spiked Amount			Recovery	=	72.58%	

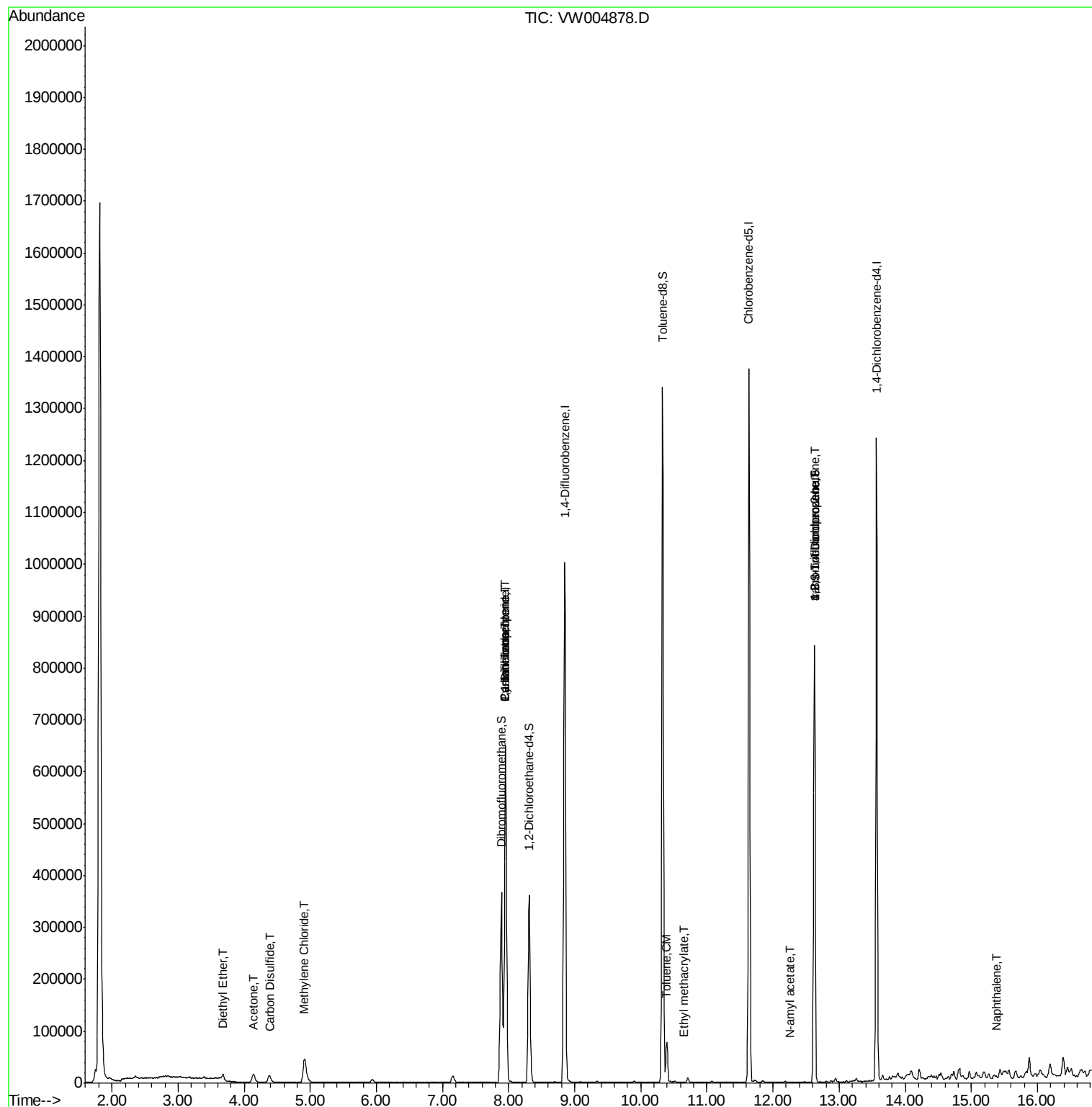
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	7303	2.68	ug/l	95
16) Acetone	4.14	43	29814	24.09	ug/l	98
17) Carbon Disulfide	4.39	76	32953	1.94	ug/l	98
20) Methylene Chloride	4.92	84	41066	3.23	ug/l	97
31) Cyclohexane	7.95	56	9602	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	36349	4.08	ug/l #	49
38) Carbon Tetrachloride	7.95	117	46298	5.64	ug/l #	16
52) Toluene	10.39	92	33191	2.14	ug/l	98
56) Ethyl methacrylate	10.66	69	98	3.00	ug/l #	48
74) N-amyl acetate	12.24	43	423	4.09	ug/l #	50
76) 1,2,3-Trichloropropane	12.63	75	132727	44.77	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	132727	104.07	ug/l #	14
95) Naphthalene	15.38	128	2282	3.66	ug/l #	77

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

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QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

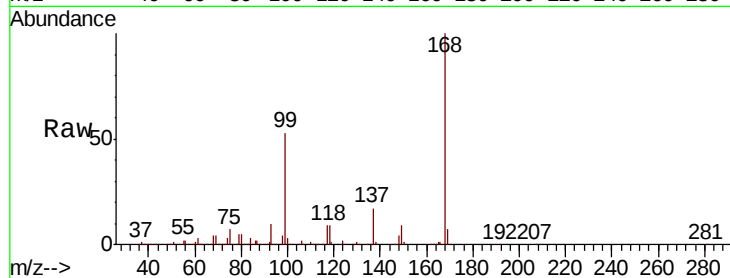
EO-01-082118-B

Tot Ion:168 Resp: 501507

Ion Ratio Lower Upper

168 100

99 52.6 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

250000

200000

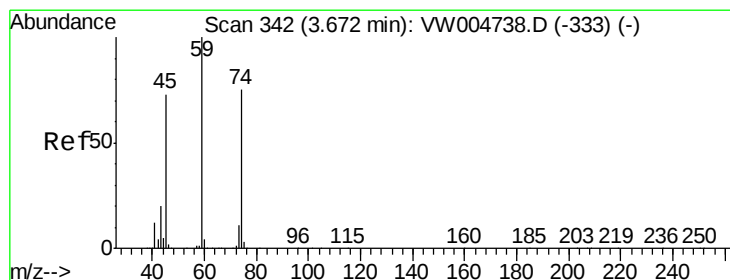
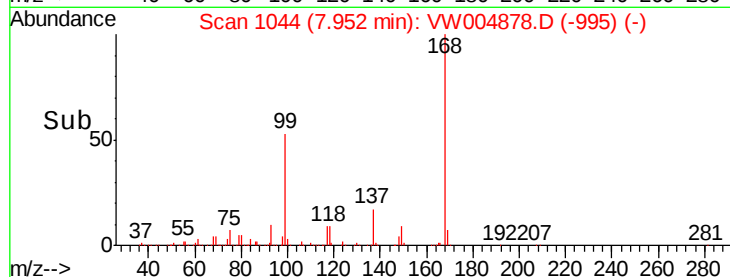
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.68 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW004878.D

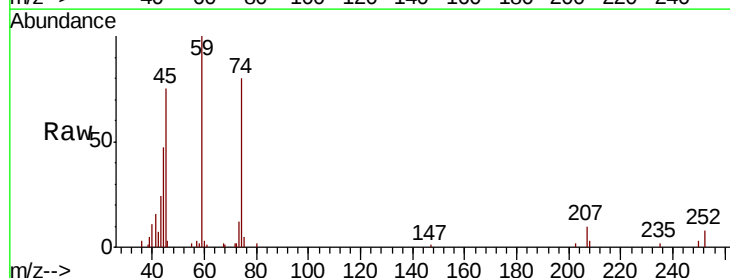
Acq: 22 Aug 2018 09:10

Tgt Ion: 74 Resp: 7303

Ion Ratio Lower Upper

74 100

45 94.7 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

4000

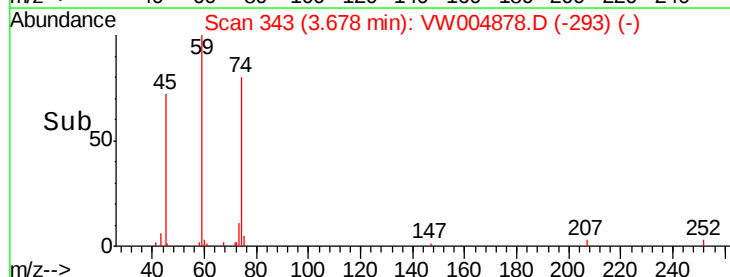
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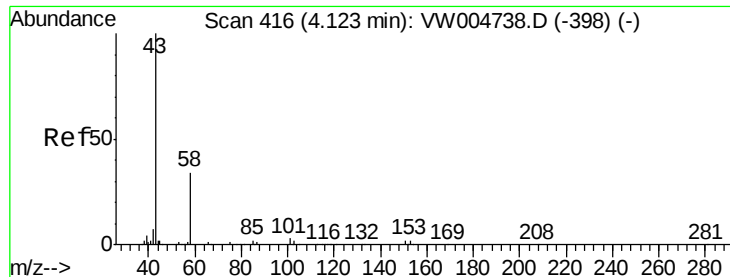
2000

1000

0

Time-->





#16

Acetone

Concen: 24.09 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

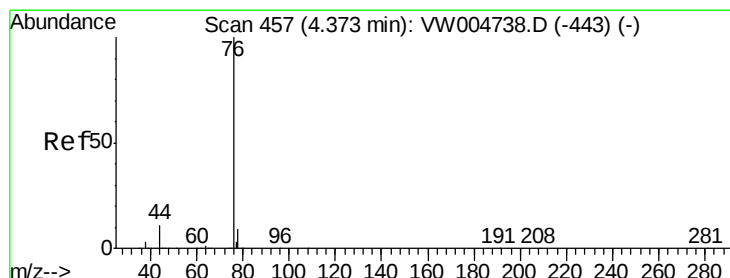
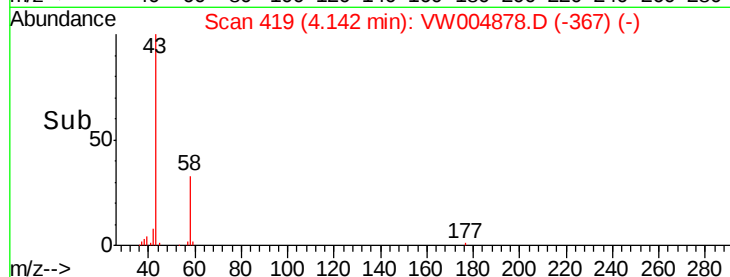
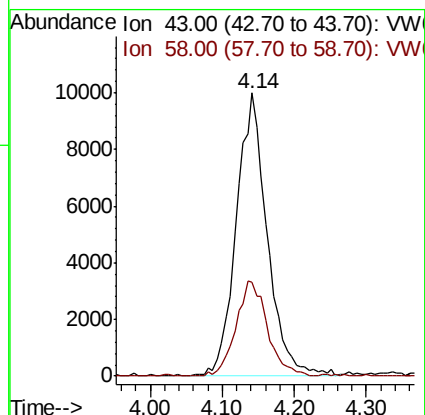
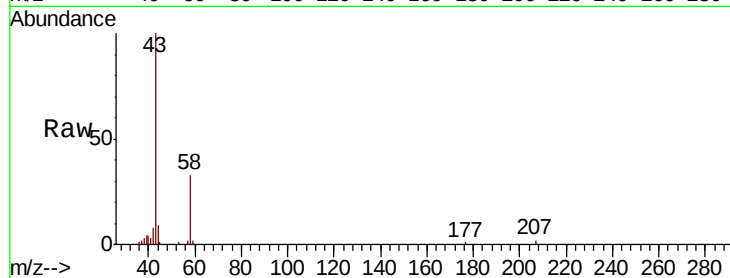
EO-01-082118-B

Tot Ion: 43 Resp: 29814

Ion Ratio Lower Upper

43 100

58 33.1 27.3 40.9



#17

Carbon Disulfide

Concen: 1.94 ug/l

RT: 4.39 min Scan# 459

Delta R.T. 0.01 min

Lab File: VW004878.D

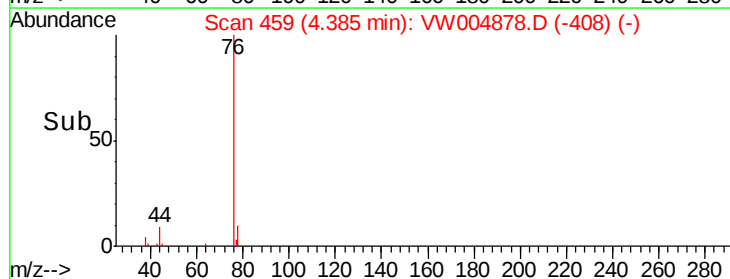
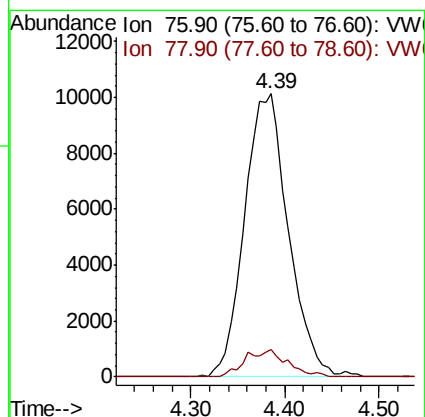
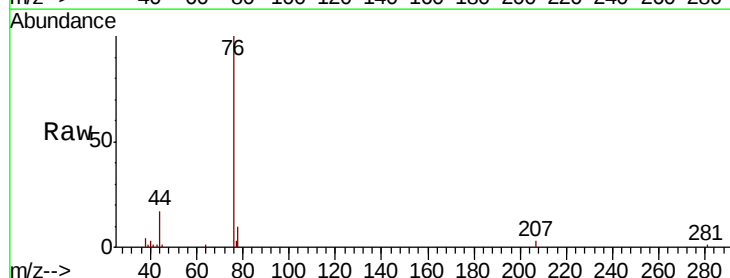
Acq: 22 Aug 2018 09:10

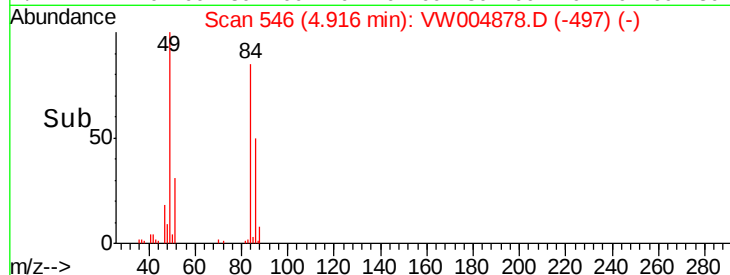
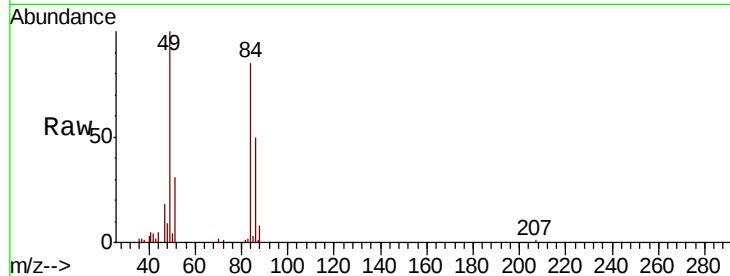
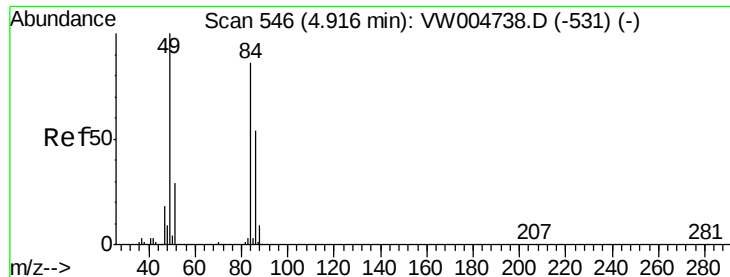
Tgt Ion: 76 Resp: 32953

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2

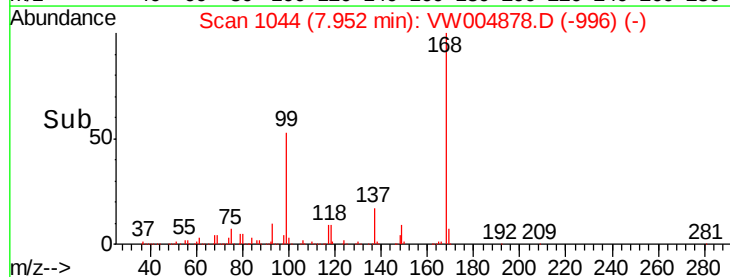
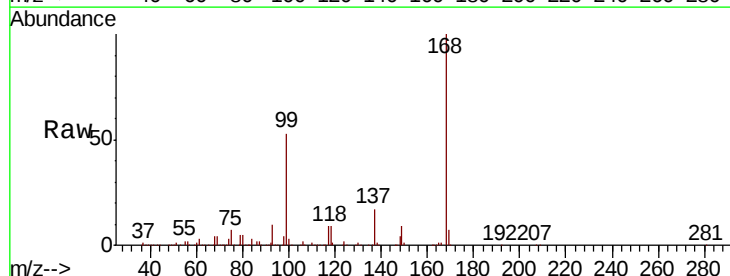
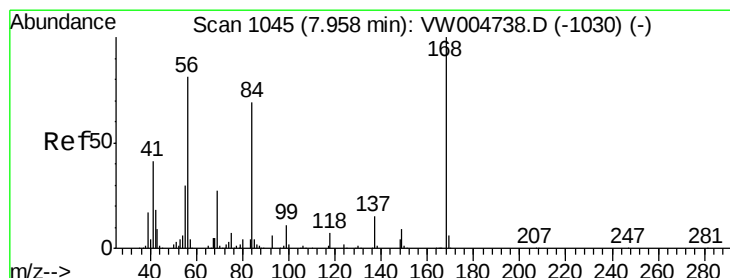
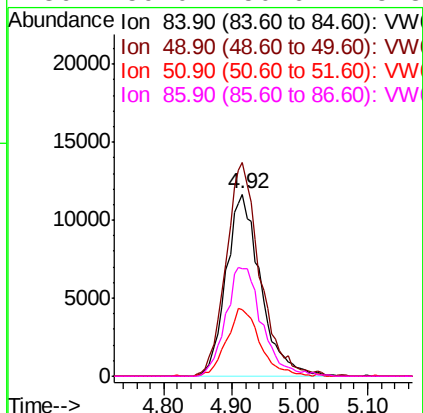




#20
Methvlene Chloride
Concen: 3.23 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004878.D
Acq: 22 Aug 2018 09:10

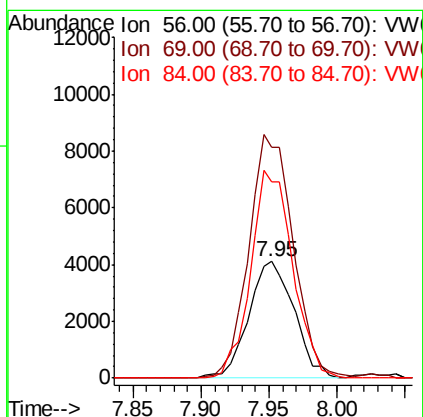
Instrument :
MSVOA_W
ClientSampleId :
EO-01-082118-B

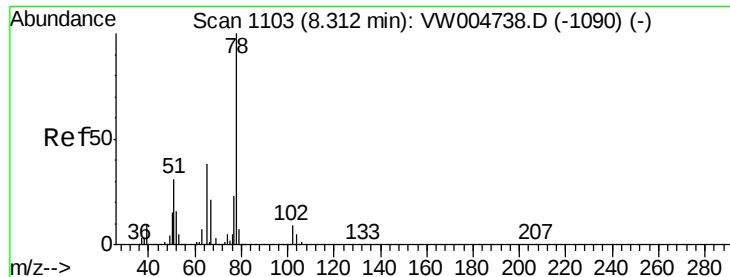
Tot Ion:	84	Resp:	41066
Ion	Ratio	Lower	Upper
84	100		
49	117.4	93.2	139.8
51	36.7	27.4	41.0
86	59.0	50.6	75.8



#31
Cyclohexane
Concen: 1.01 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004878.D
Acq: 22 Aug 2018 09:10

Tgt Ion:	56	Resp:	9602
Ion	Ratio	Lower	Upper
56	100		
69	198.0	27.1	40.7#
84	168.1	68.3	102.5#





#33

1,2-Dichloroethane-d4

Concen: 56.88 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

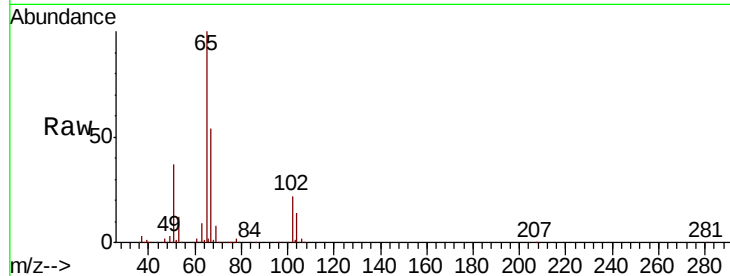
EO-01-082118-B

Tot Ion: 65 Resp: 275786

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

150000

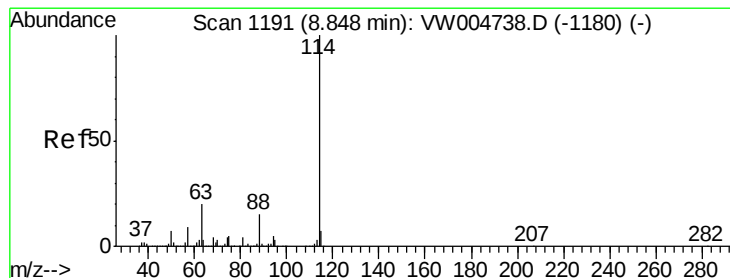
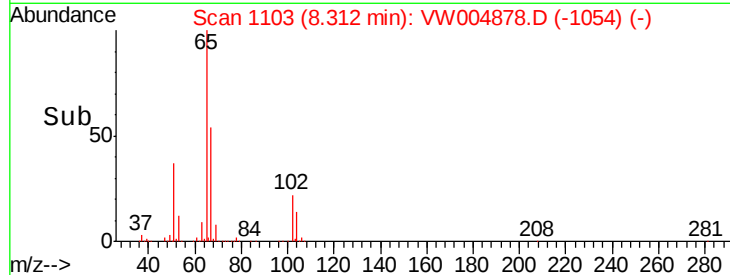
100000

50000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

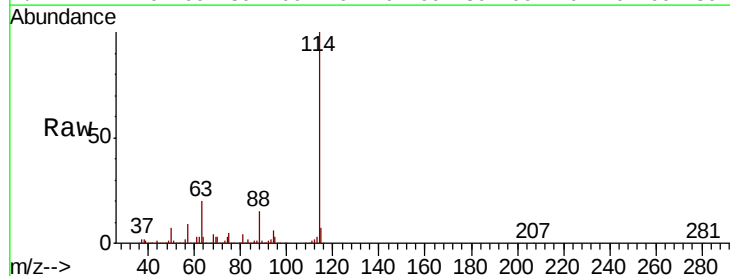
Tgt Ion: 114 Resp: 865017

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 15.3 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

600000

500000

400000

300000

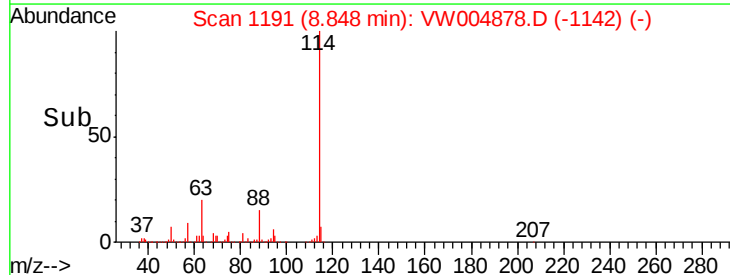
200000

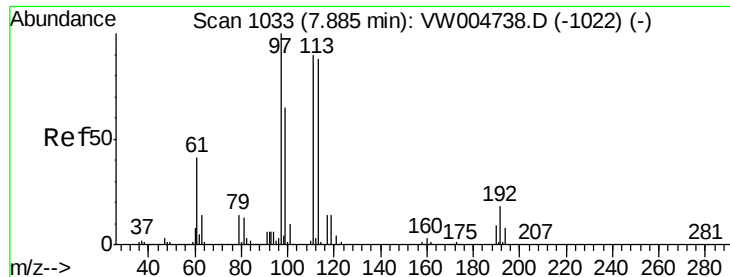
100000

0

8.80 8.90

Time-->

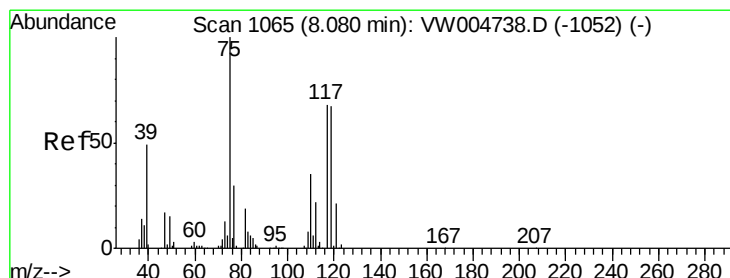
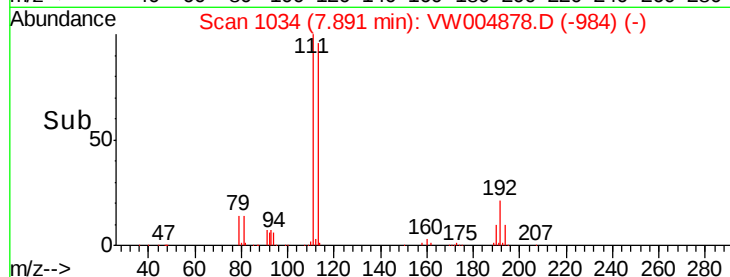
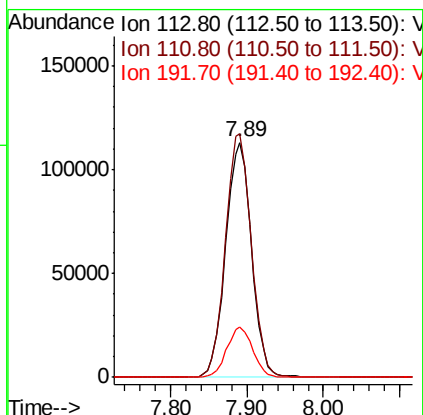
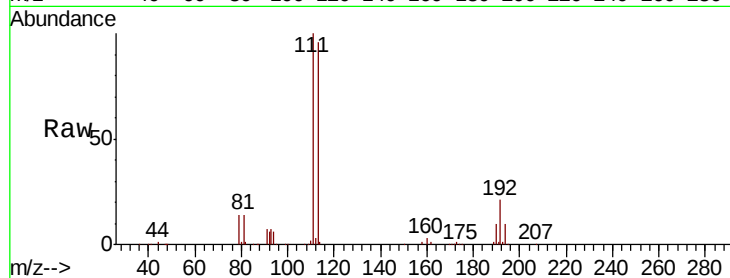




#35
 Dibromofluoromethane
 Concen: 47.73 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004878.D
 Acq: 22 Aug 2018 09:10

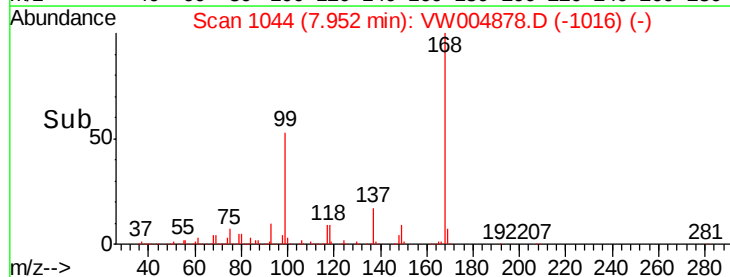
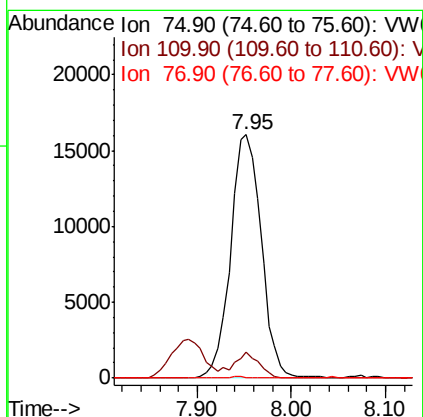
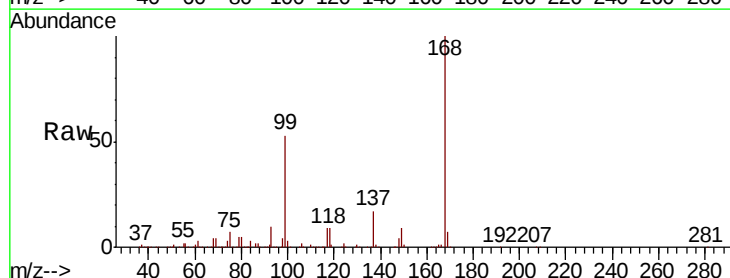
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-082118-B

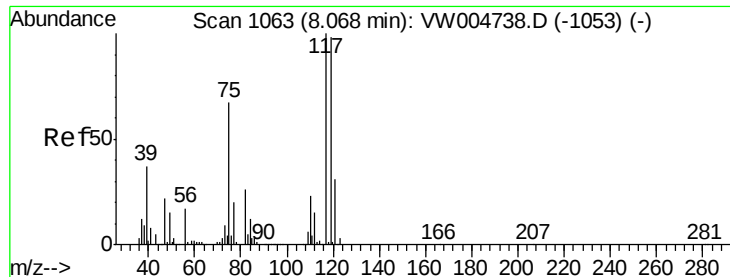
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.4	123.6
192	21.6	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.08 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004878.D
 Acq: 22 Aug 2018 09:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.5#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.64 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

EO-01-082118-B

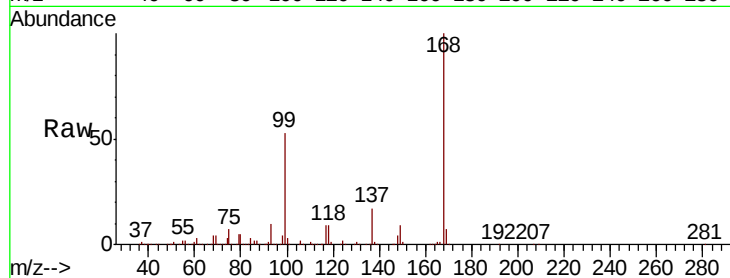
Tot Ion:117 Resp: 46298

Ion Ratio Lower Upper

117 100

119 6.1 78.0 117.0#

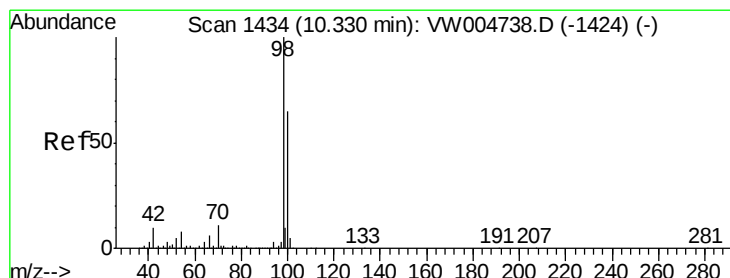
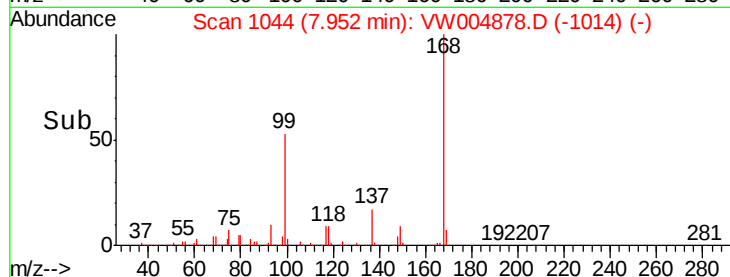
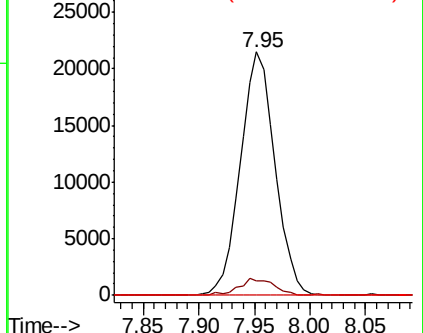
121 0.0 24.8 37.2#



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: 41.93 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004878.D

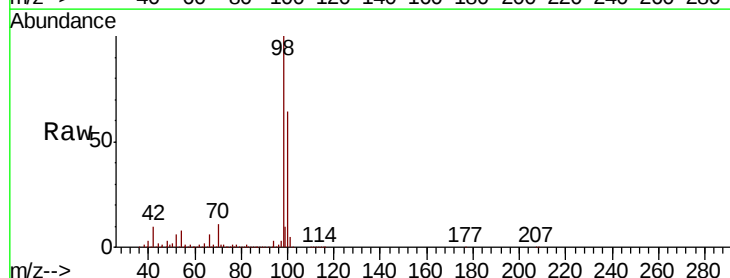
Acq: 22 Aug 2018 09:10

Tgt Ion: 98 Resp: 904914

Ion Ratio Lower Upper

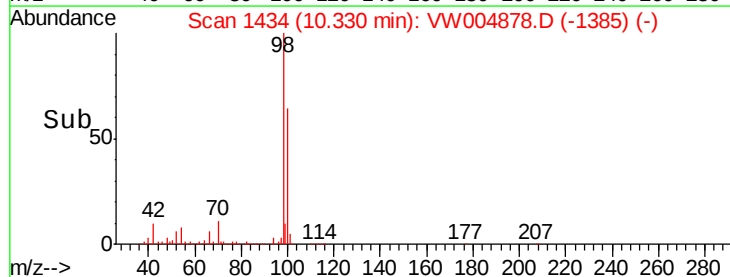
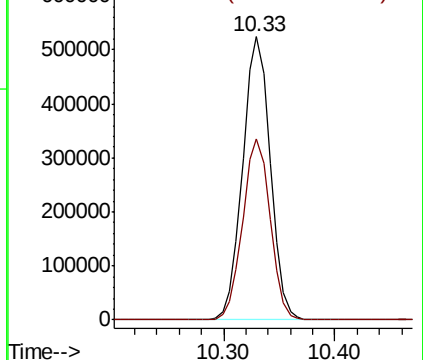
98 100

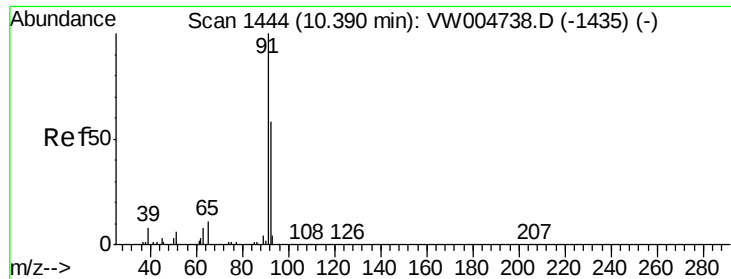
100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.14 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

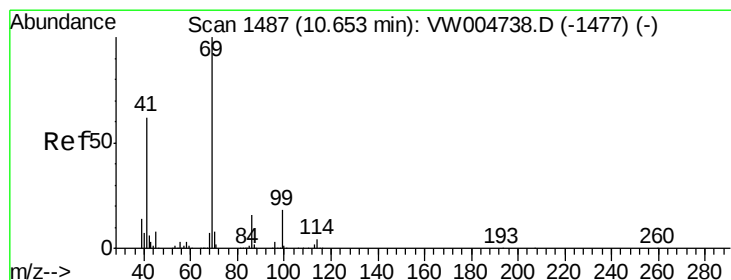
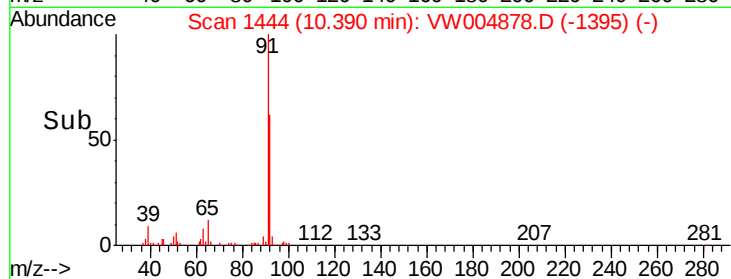
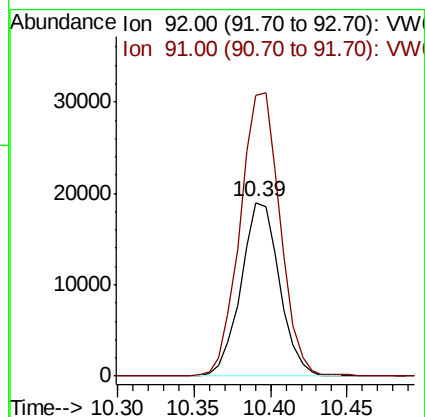
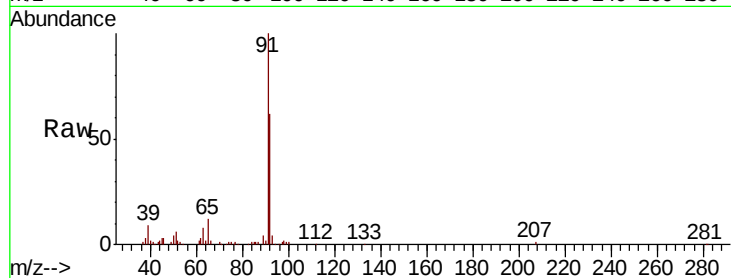
EO-01-082118-B

Tot Ion: 92 Resp: 33191

Ion Ratio Lower Upper

92 100

91 170.1 138.3 207.5



#56

Ethyl methacrylate

Concen: 3.00 ug/l

RT: 10.66 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

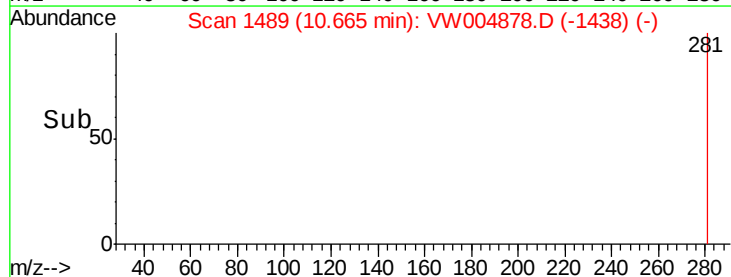
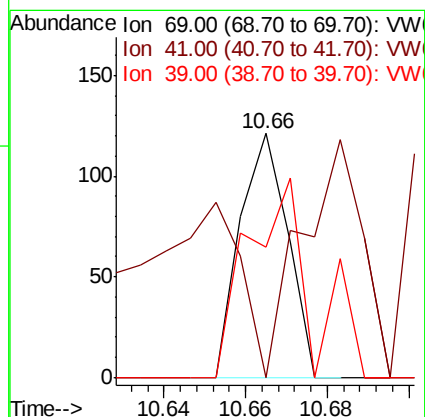
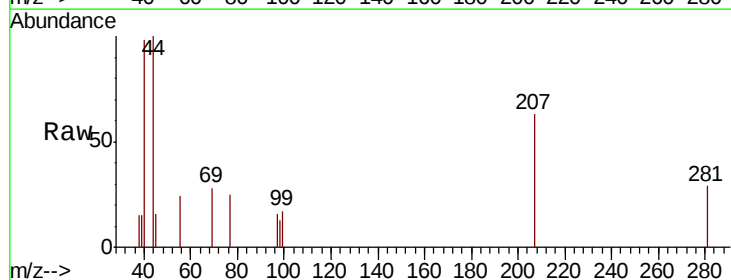
Tgt Ion: 69 Resp: 98

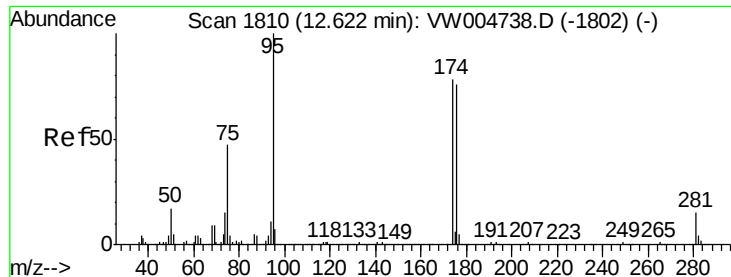
Ion Ratio Lower Upper

69 100

41 104.1 50.7 76.1#

39 0.0 21.4 32.2#

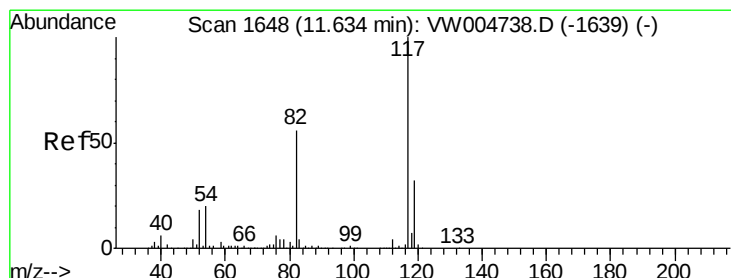
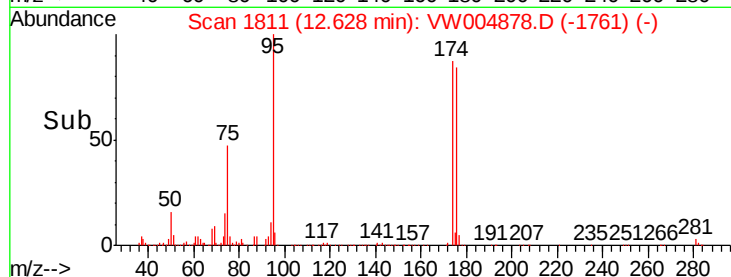
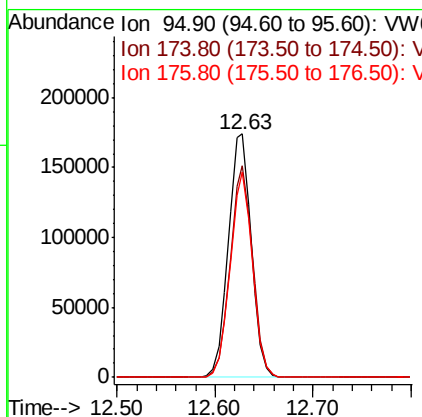
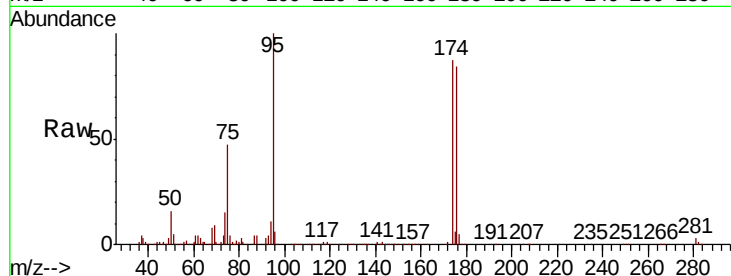




#62
4-Bromofluorobenzene
Concen: 36.29 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004878.D
Acq: 22 Aug 2018 09:10

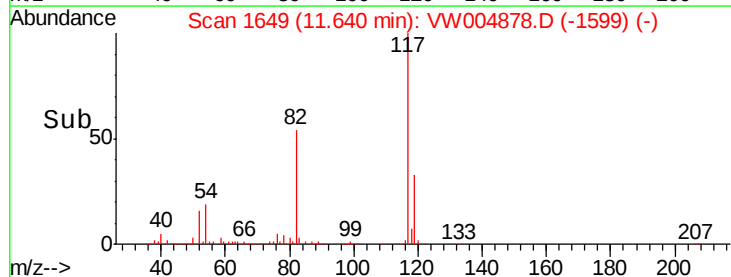
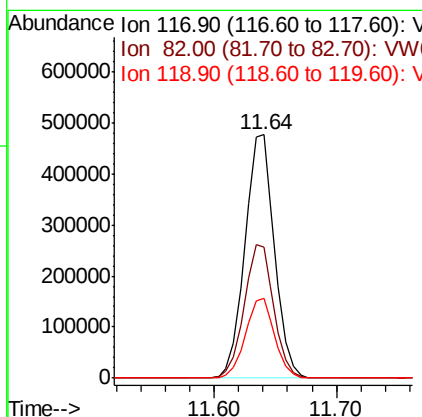
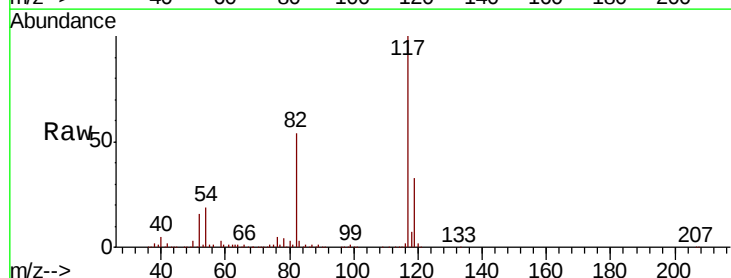
Instrument :
MSVOA_W
ClientSampleId :
EO-01-082118-B

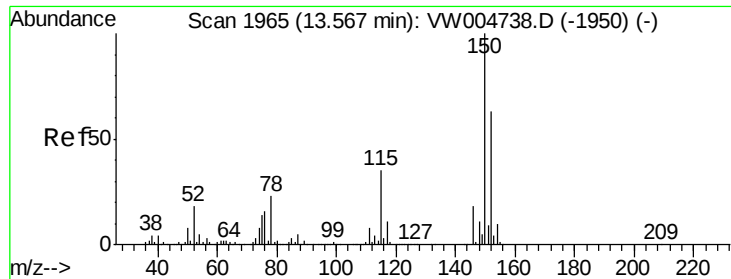
Tot Ion: 95 Resp: 281766
Ion Ratio Lower Upper
95 100
174 84.7 0.0 165.8
176 81.5 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004878.D
Acq: 22 Aug 2018 09:10

Tgt Ion: 117 Resp: 797644
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 32.6 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: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

EO-01-082118-B

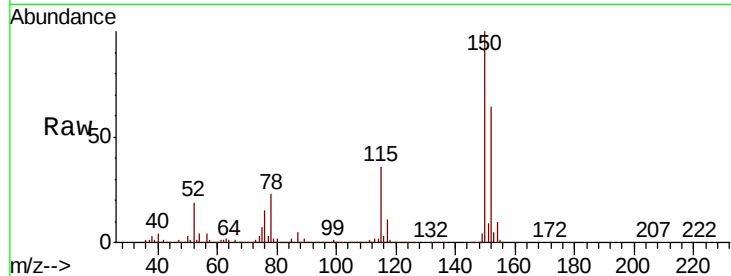
Tot Ion:152 Resp: 336284

Ion Ratio Lower Upper

152 100

115 56.4 28.5 85.5

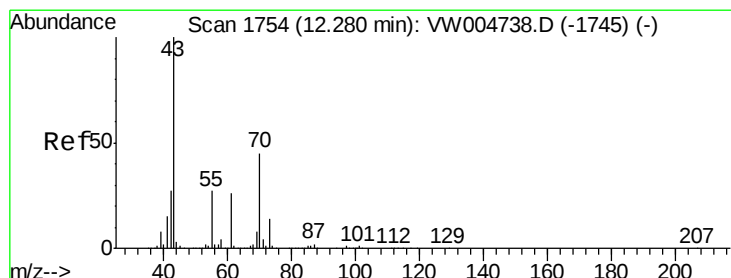
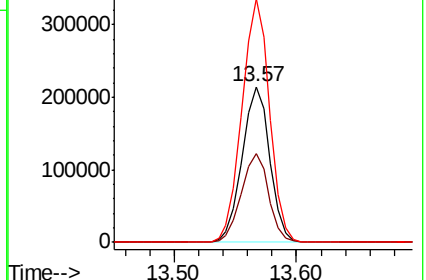
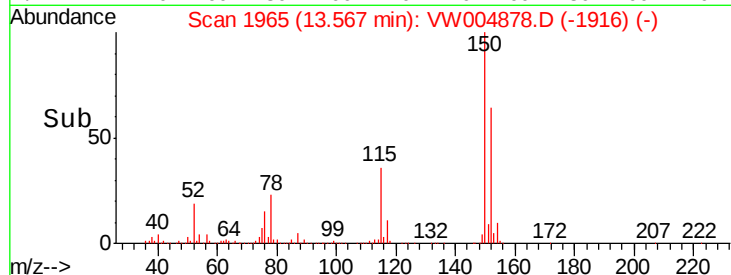
150 155.9 0.0 344.8



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



#74

N-ethyl acetate

Concen: 4.09 ug/l

RT: 12.24 min Scan# 1748

Delta R.T. -0.04 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

Tgt Ion: 43 Resp: 423

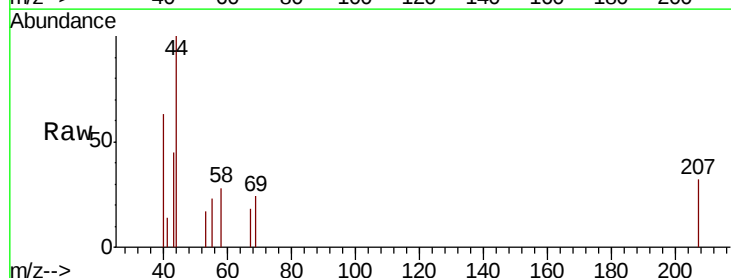
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 37.6 22.6 33.8#

61 0.0 20.2 30.4#

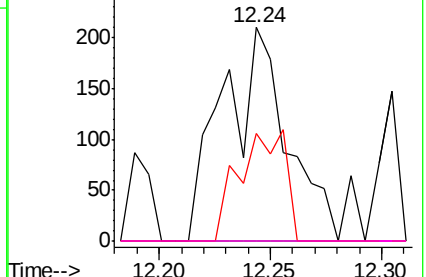
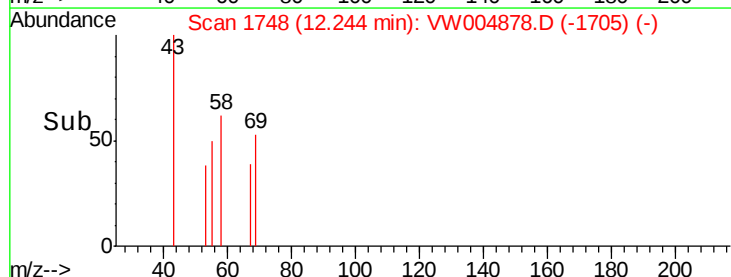


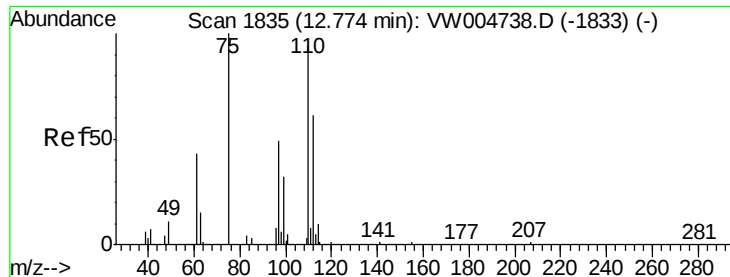
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 44.77 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

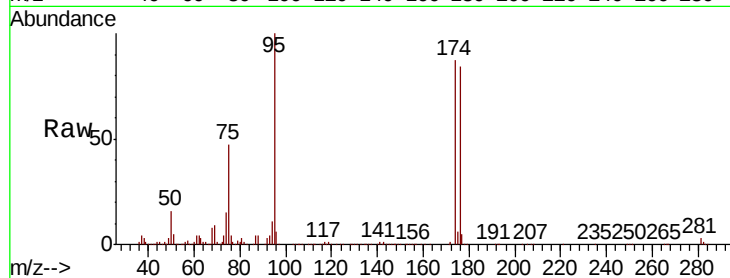
EO-01-082118-B

Tot Ion: 75 Resp: 132727

Ion Ratio Lower Upper

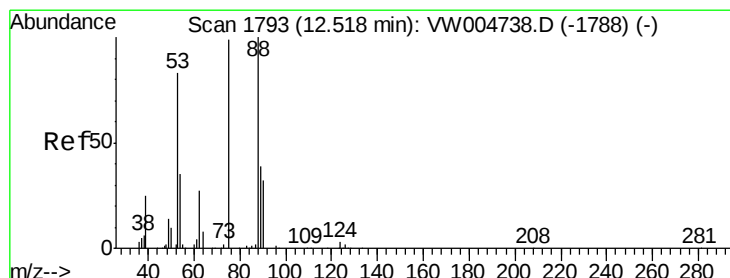
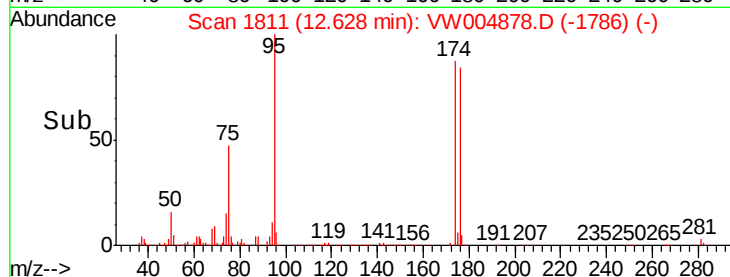
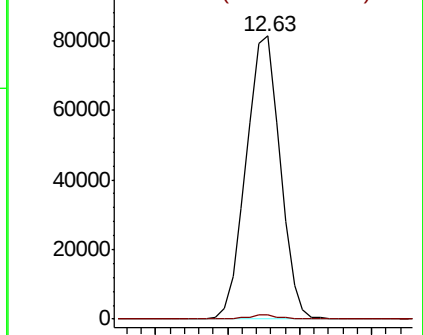
75 100

77 1.3 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: 104.07 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

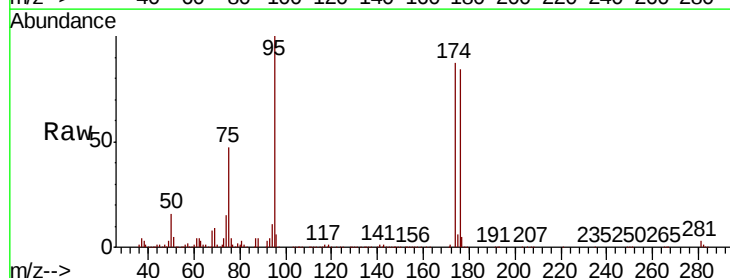
Tgt Ion: 75 Resp: 132727

Ion Ratio Lower Upper

75 100

53 0.3 72.2 108.4#

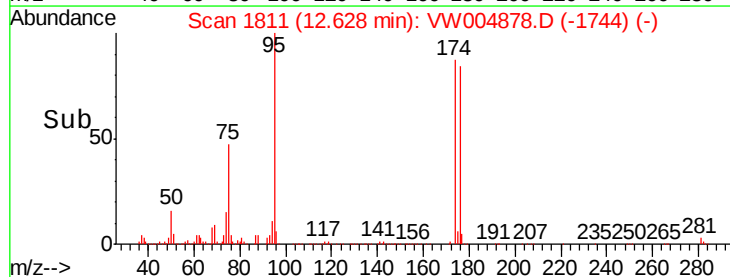
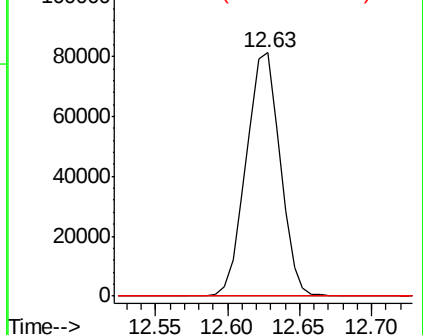
89 0.0 35.2 52.8#

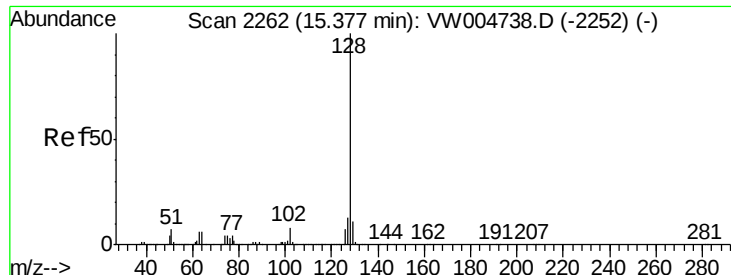


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 3.66 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

EO-01-082118-B

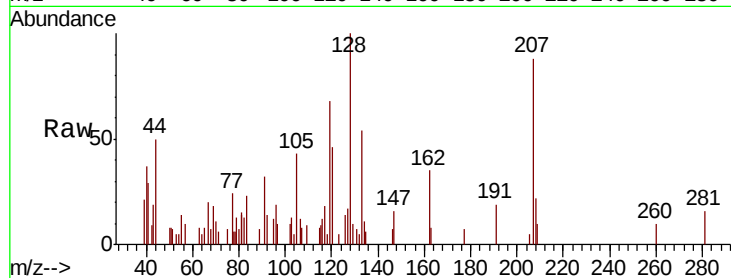
Tot Ion:128 Resp: 2282

Ion Ratio Lower Upper

128 100

127 20.4 10.4 15.6#

129 0.0 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

