

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 11:07:44 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%	

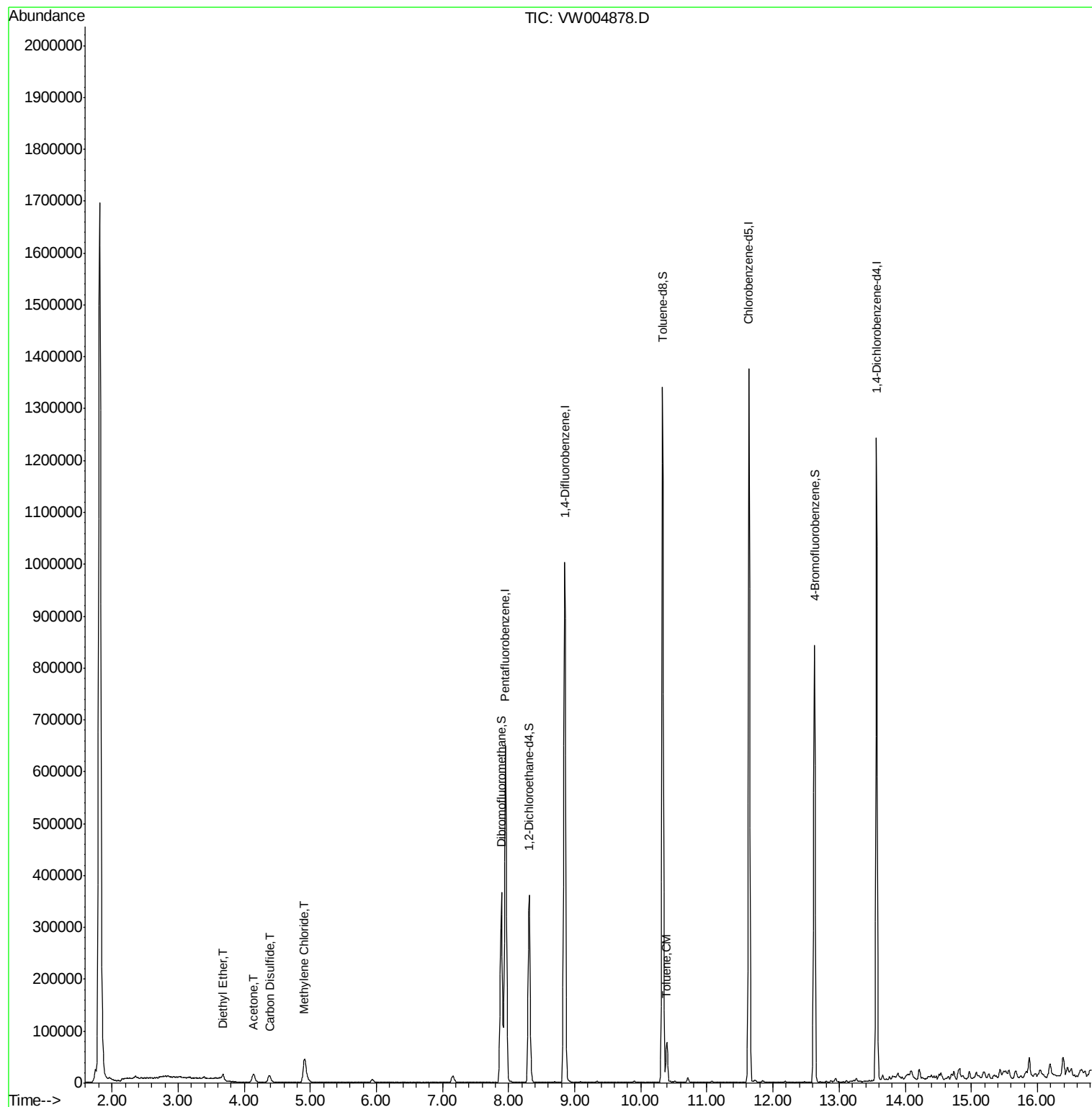
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	7303	2.68	ug/l	95
16) Acetone	4.14	43	29814	24.09	ug/l	98
17) Carbon Disulfide	4.39	76	32953	1.94	ug/l	98
20) Methylene Chloride	4.92	84	41066	3.23	ug/l	97
52) Toluene	10.39	92	33191	2.14	ug/l	98

(#) = 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: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

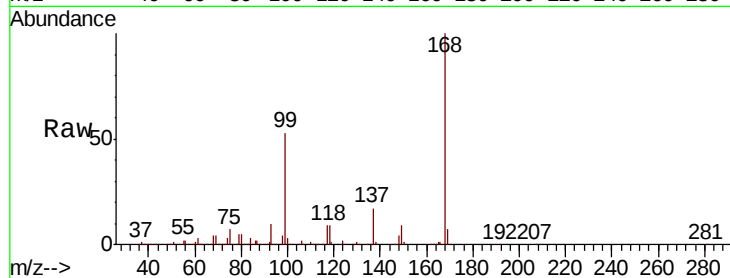
EO-01-082118-B

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): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

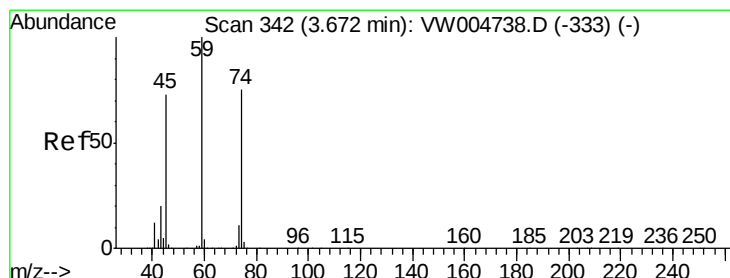
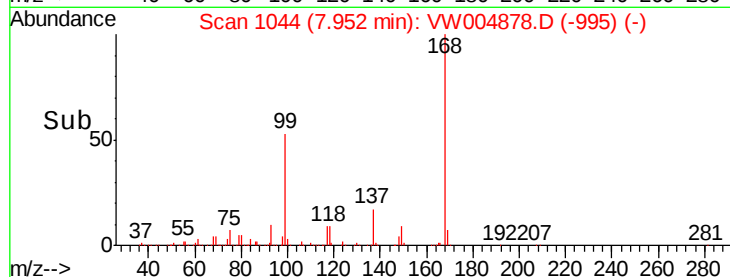
150000

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

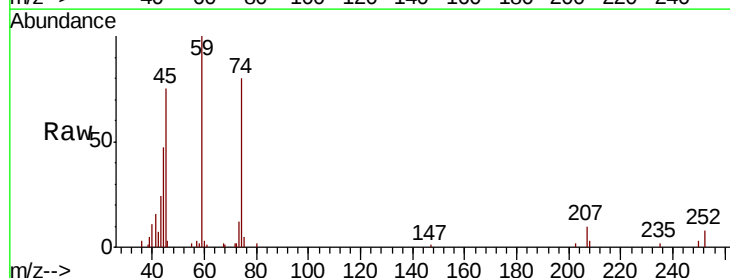
Acq: 22 Aug 2018 09:10

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

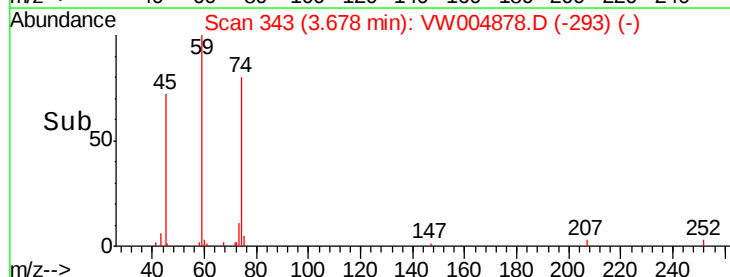
3000

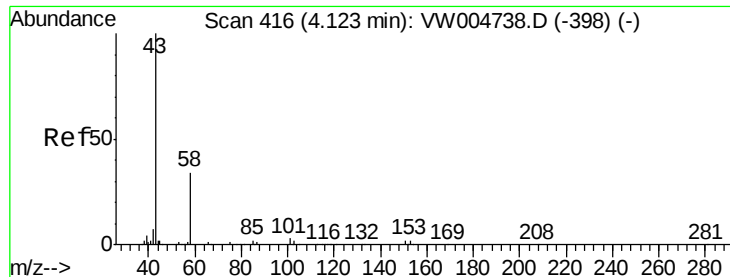
2000

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 :

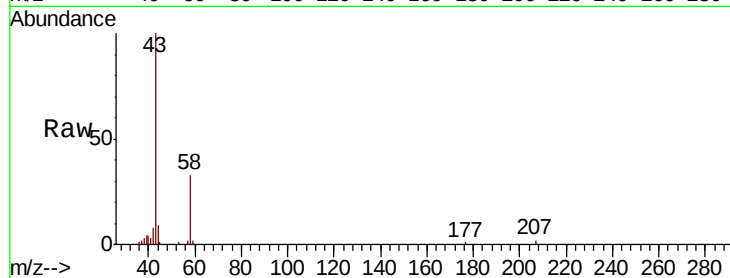
EO-01-082118-B

Tot Ion: 43 Resp: 29814

Ion Ratio Lower Upper

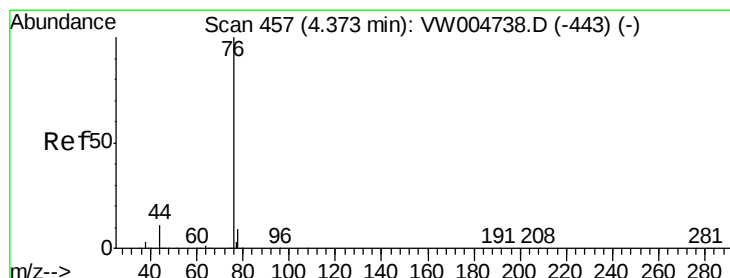
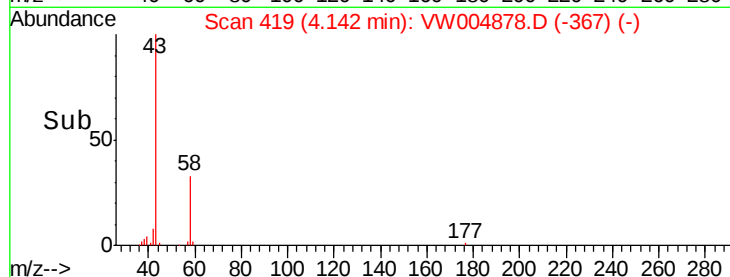
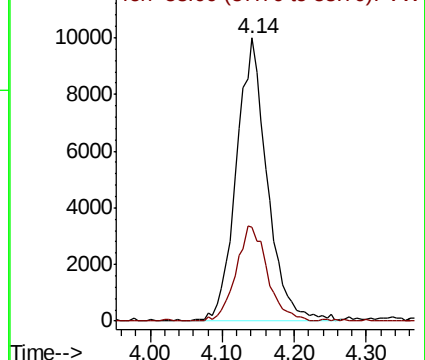
43 100

58 33.1 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.94 ug/l

RT: 4.39 min Scan# 459

Delta R.T. 0.01 min

Lab File: VW004878.D

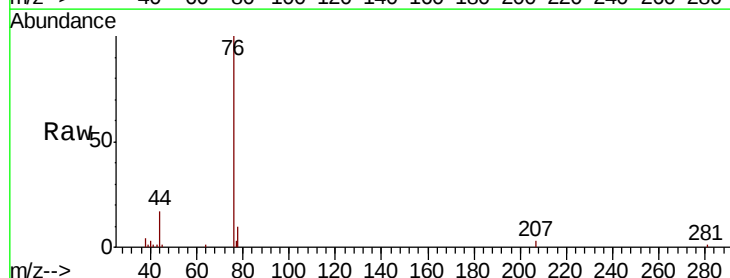
Acq: 22 Aug 2018 09:10

Tgt Ion: 76 Resp: 32953

Ion Ratio Lower Upper

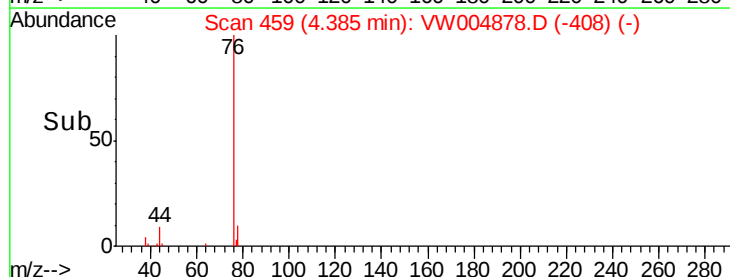
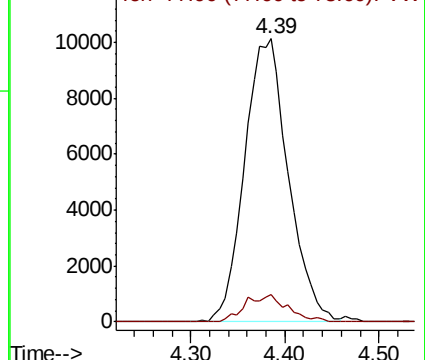
76 100

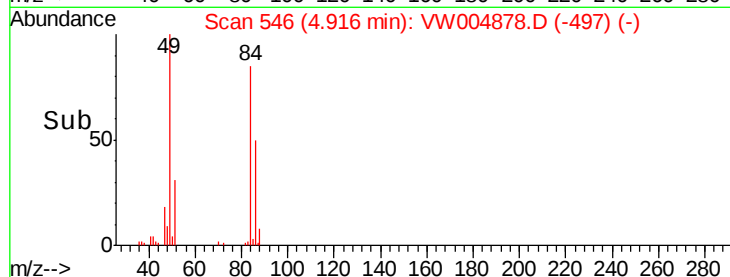
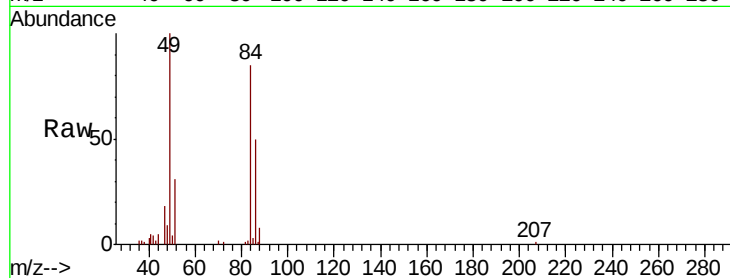
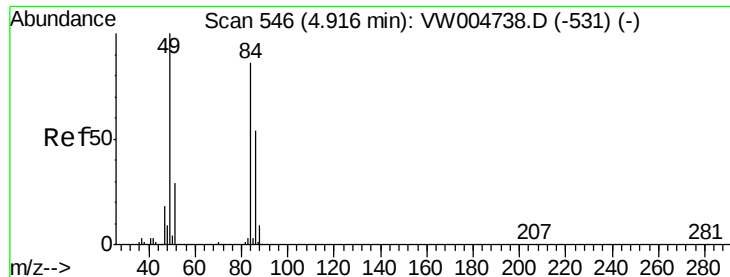
78 9.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#20

Methylene 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

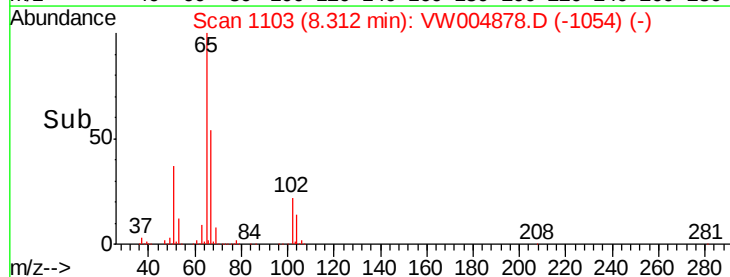
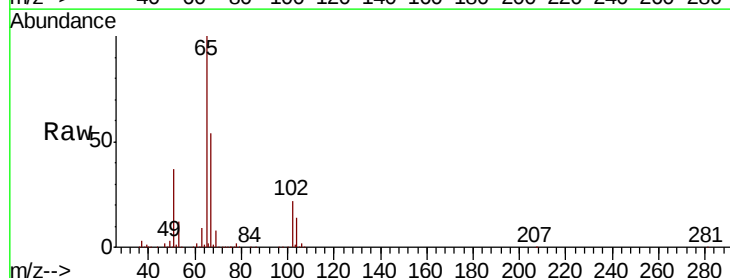
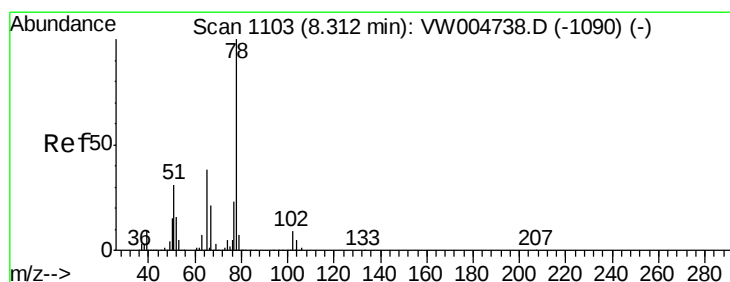
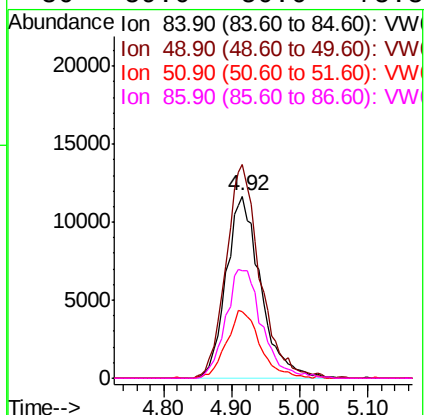
Ion Ratio Lower Upper

84 100

49 117.4 93.2 139.8

51 36.7 27.4 41.0

86 59.0 50.6 75.8



#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

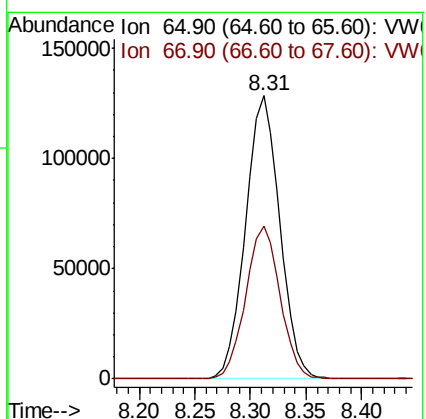
Acq: 22 Aug 2018 09:10

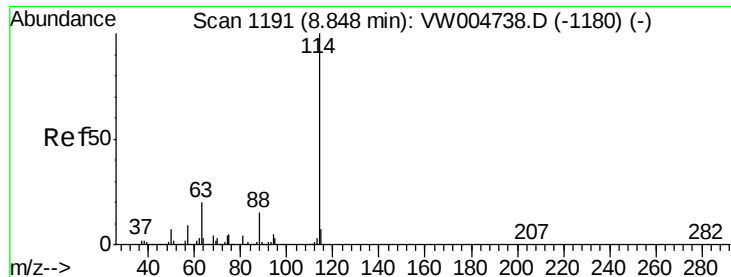
Tgt Ion: 65 Resp: 275786

Ion Ratio Lower Upper

65 100

67 54.3 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: VW004878.D

Acq: 22 Aug 2018 09:10

Instrument :

MSVOA_W

ClientSampleId :

EO-01-082118-B

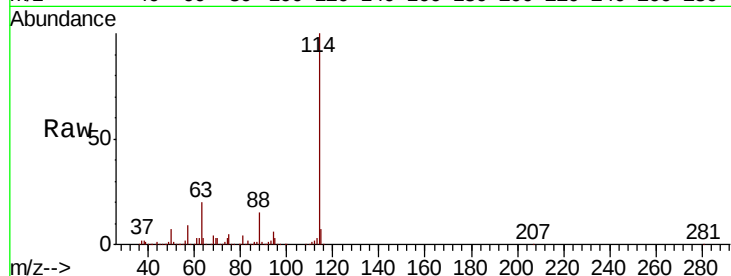
Tot Ion:114 Resp: 865017

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

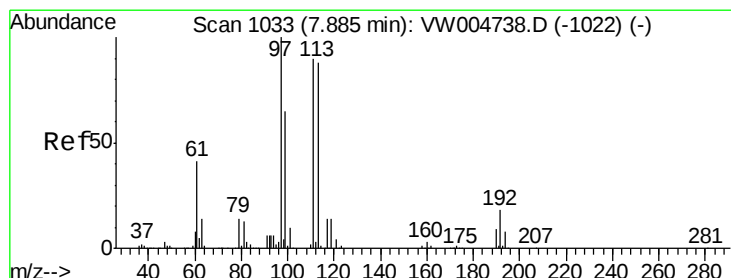
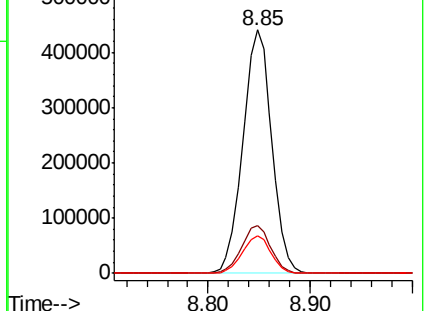
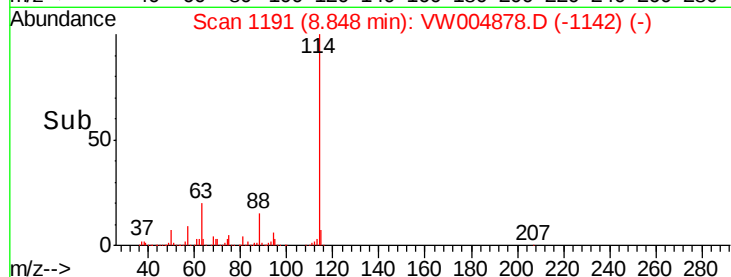
88 15.3 0.0 30.0



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



#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

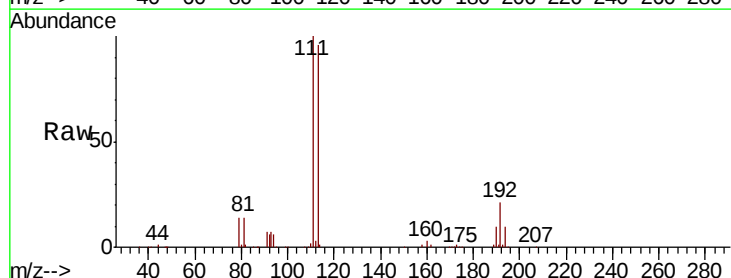
Tgt Ion:113 Resp: 263905

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

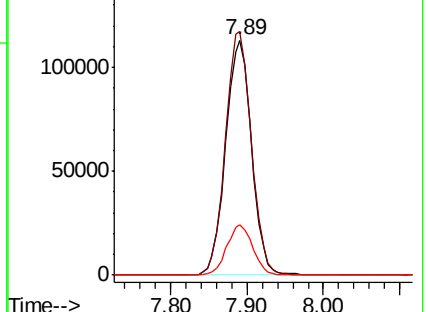
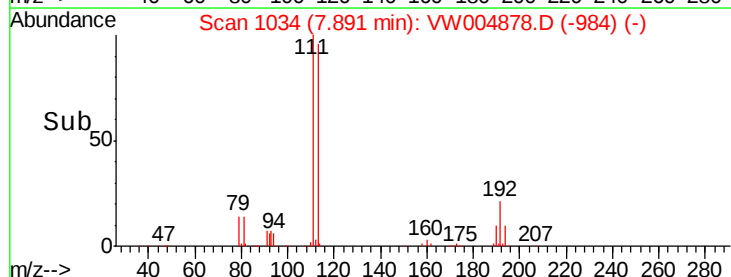
192 21.6 16.7 25.1

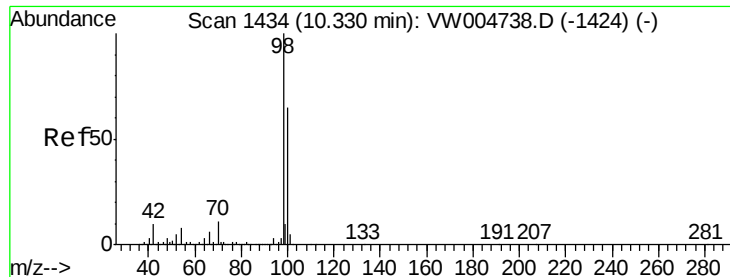


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#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

Instrument :

MSVOA_W

ClientSampleId :

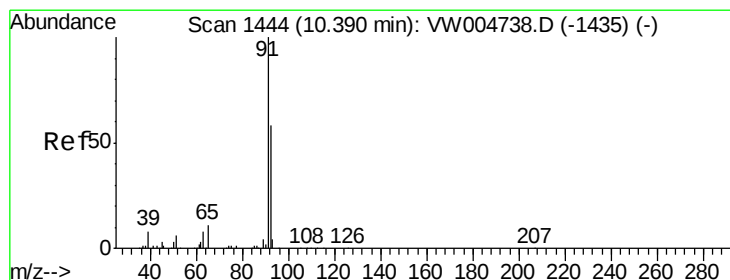
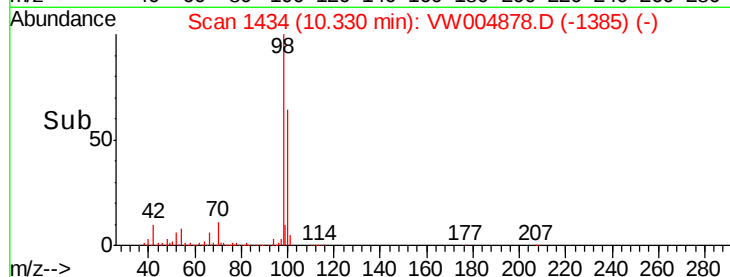
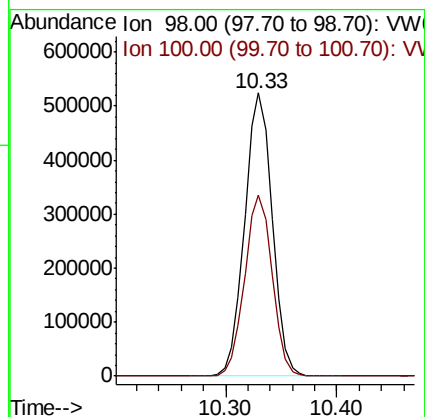
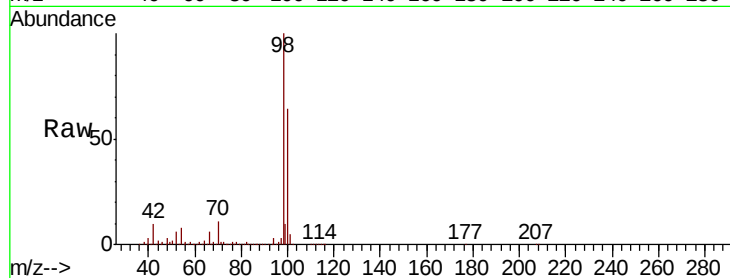
EO-01-082118-B

Tot Ion: 98 Resp: 904914

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8



#52

Toluene

Concen: 2.14 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004878.D

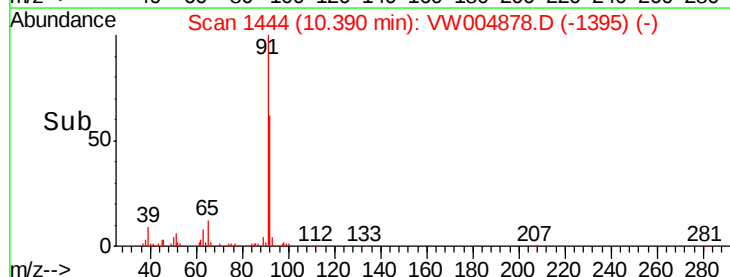
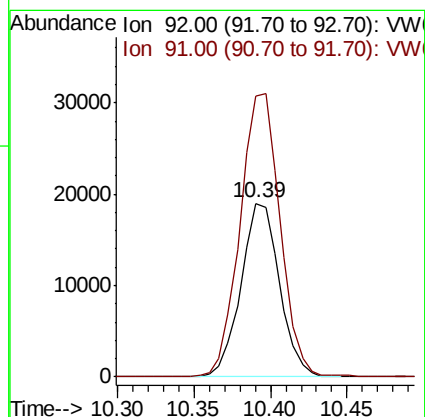
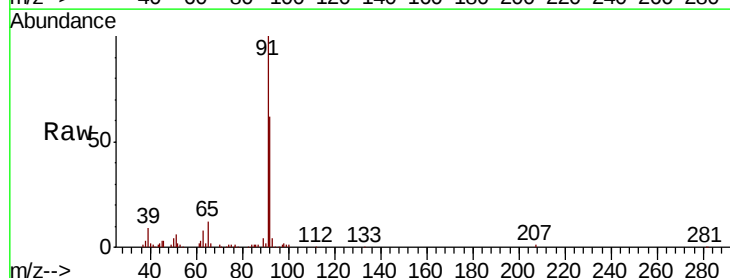
Acq: 22 Aug 2018 09:10

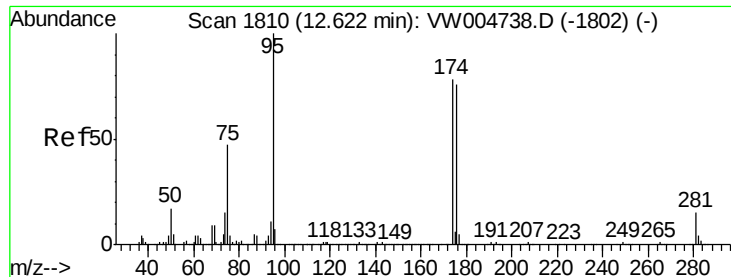
Tgt Ion: 92 Resp: 33191

Ion Ratio Lower Upper

92 100

91 170.1 138.3 207.5

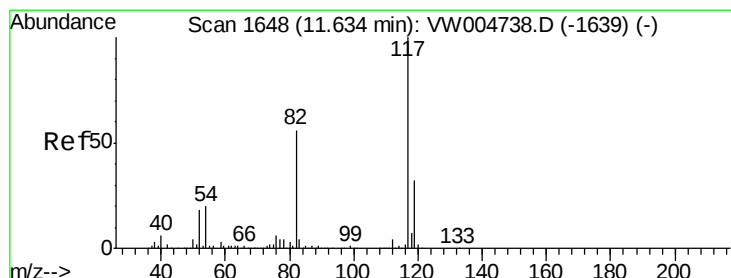
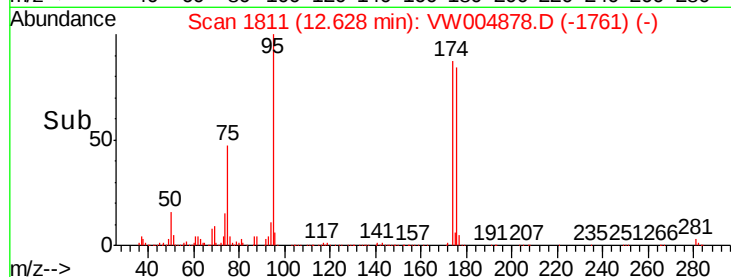
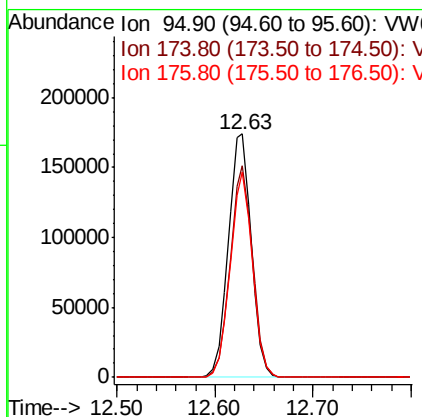
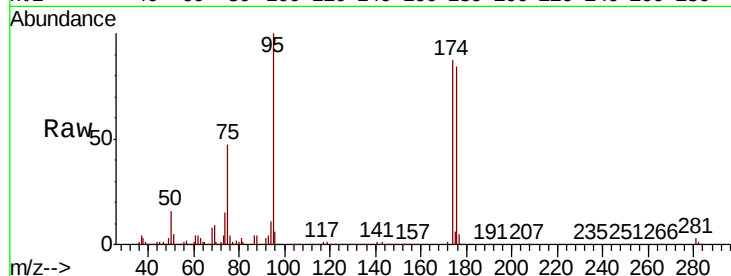




#62
4-Bromofluorobenzene
Concen: 36.29 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004878.D
Acq: 22 Aug 2018 09:10

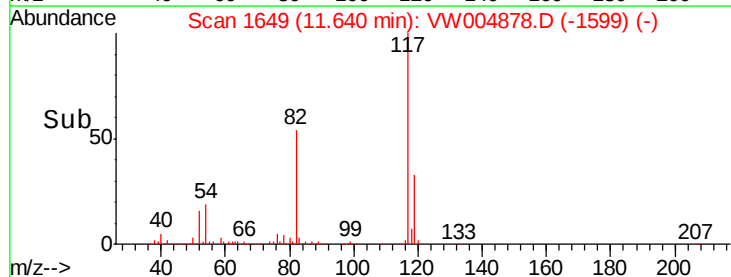
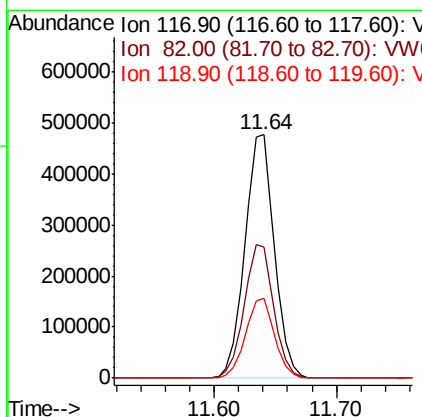
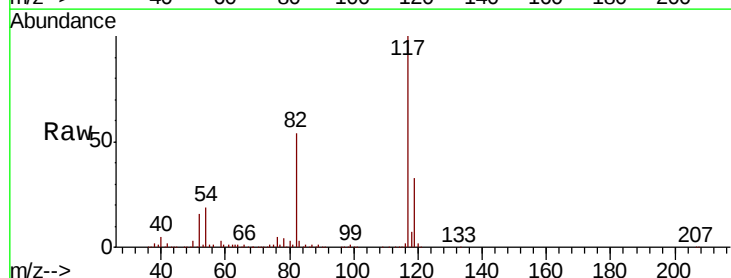
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MSVOA_W
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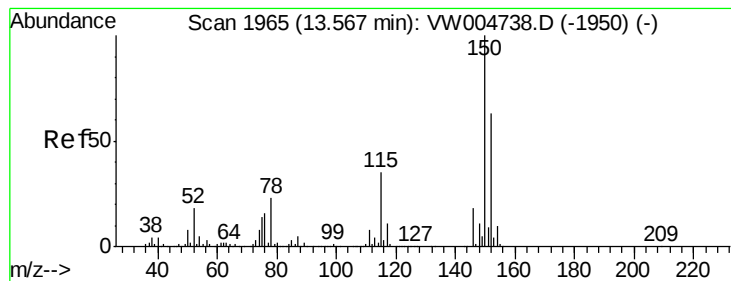
Tot Ion	95	Resp	281
Ion Ratio	100		
Lower		0.0	165.8
Upper		0.0	159.8



#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	100		
Lower		44.6	67.0
Upper		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

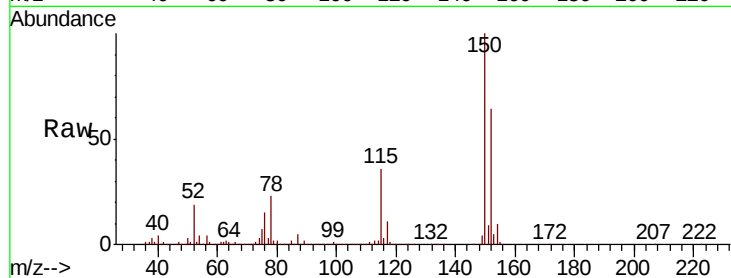
Tot Ion:152 Resp: 336284

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

