

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060091.D
 Acq On : 24 Aug 2018 10:32
 Operator : VA/AP
 Sample : J4594-01
 Misc : 5.03g/5mL/MSVOA F/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 1-3-RO

Quant Time: Aug 24 16:38:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

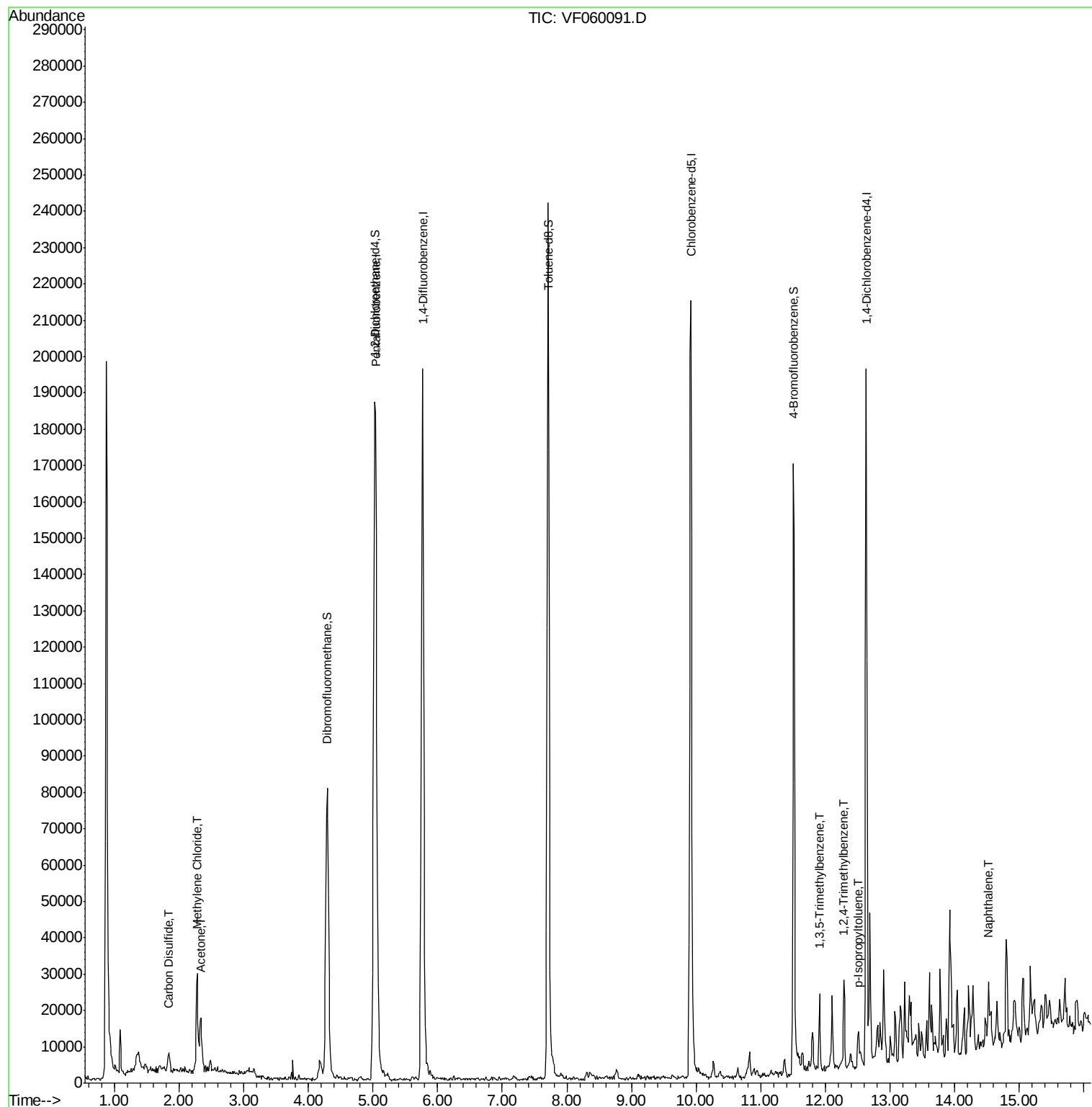
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	123270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	202434	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	155458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	46706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	110935	65.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.50%	
35) Dibromofluoromethane	4.29	113	73614	46.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.62%	
50) Toluene-d8	7.71	98	196699	43.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.14%	
62) 4-Bromofluorobenzene	11.51	95	63195	26.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.92%	
Target Compounds						
16) Acetone	2.34	43	23380	52.73	ug/l #	91
17) Carbon Disulfide	1.84	76	6391	2.60	ug/l	95
20) Methylene Chloride	2.28	84	10298	7.43	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	11000	4.49	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	12258	4.71	ug/l	82
86) p-Isopropyltoluene	12.51	119	7369	2.67	ug/l	83
95) Naphthalene	14.52	128	5190	5.14	ug/l #	73

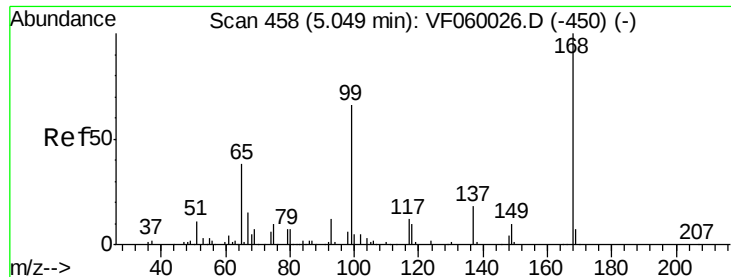
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF060091.D

Acq: 24 Aug 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

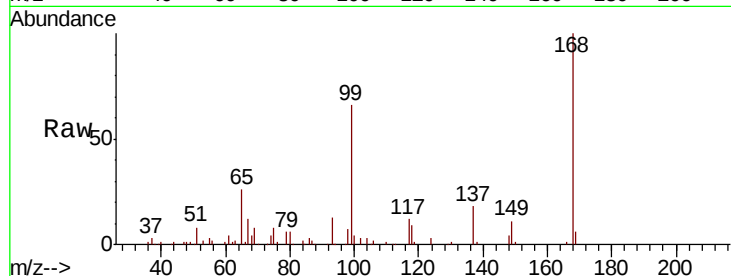
1-3-RO

Tot Ion:168 Resp: 123270

Ion Ratio Lower Upper

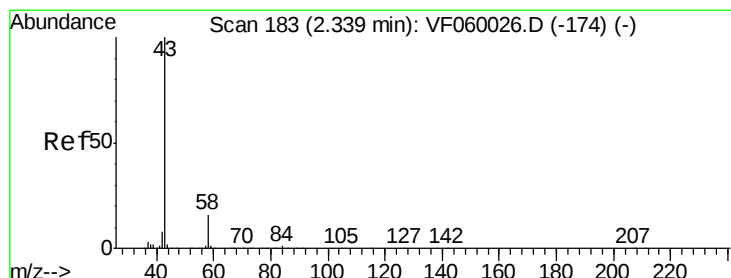
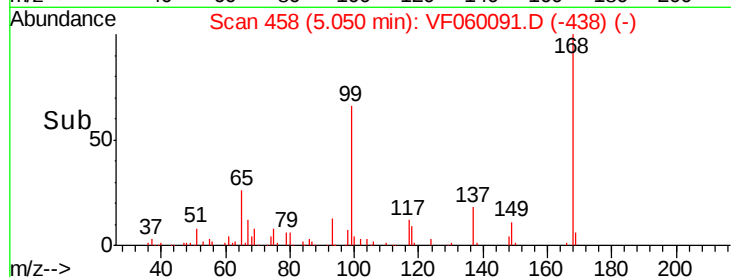
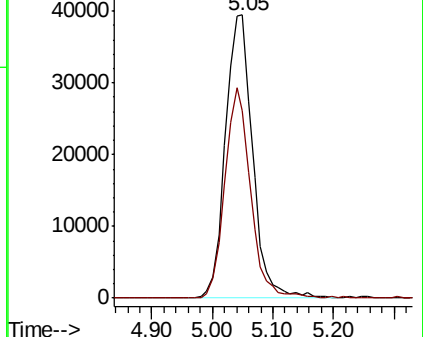
168 100

99 66.3 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 52.73 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF060091.D

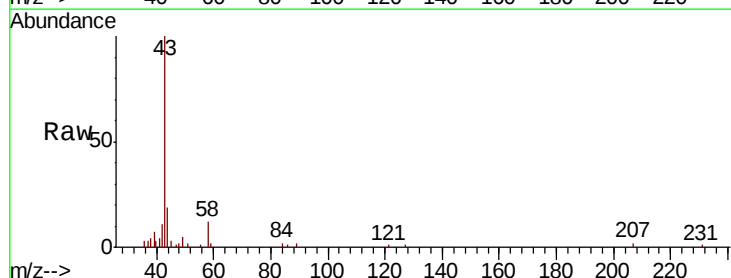
Acq: 24 Aug 2018 10:32

Tgt Ion: 43 Resp: 23380

Ion Ratio Lower Upper

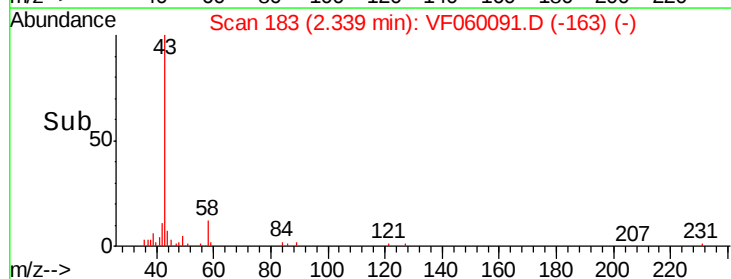
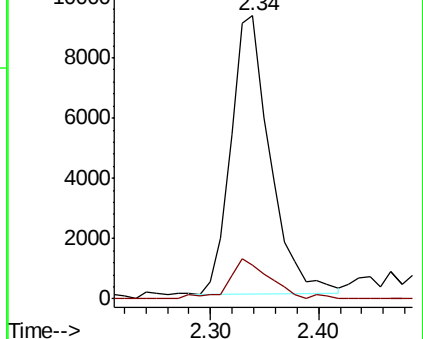
43 100

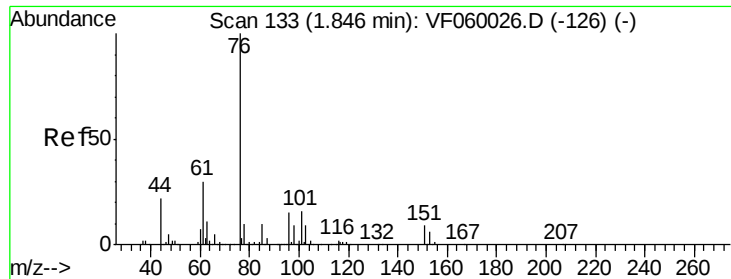
58 12.0 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 2.60 ug/l

RT: 1.84 min Scan# 132

Delta R.T. -0.01 min

Lab File: VF060091.D

Acq: 24 Aug 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

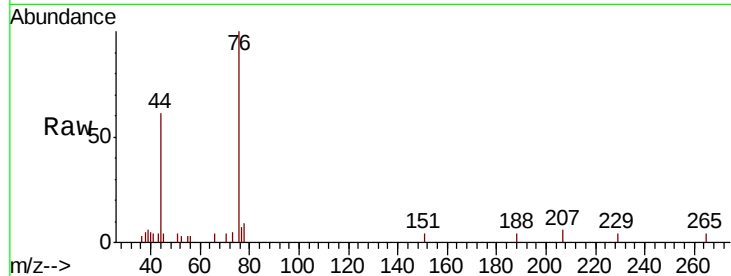
1-3-RO

Tot Ion: 76 Resp: 6391

Ion Ratio Lower Upper

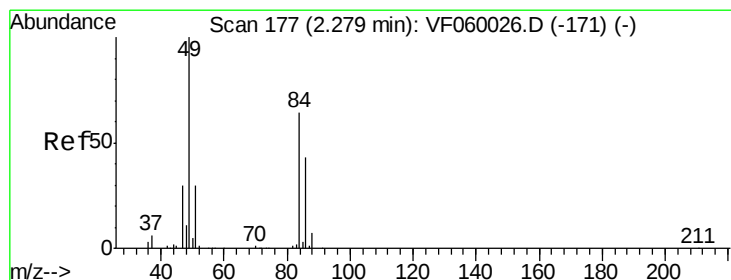
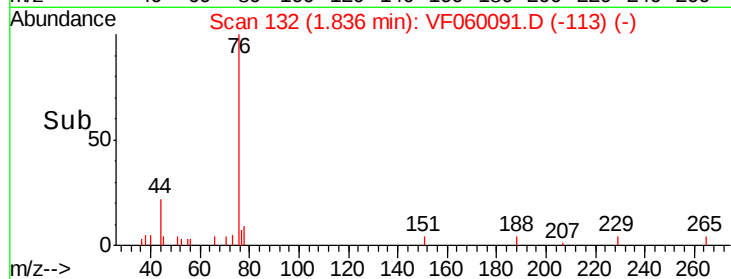
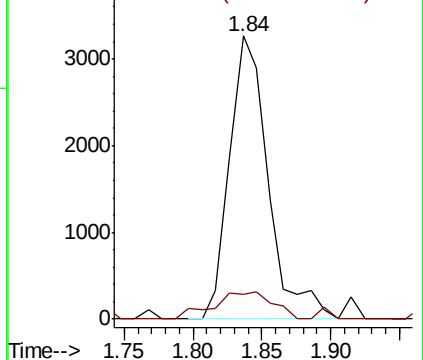
76 100

78 8.7 8.4 12.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#20

Methylene Chloride

Concen: 7.43 ug/l

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF060091.D

Acq: 24 Aug 2018 10:32

Tgt Ion: 84 Resp: 10298

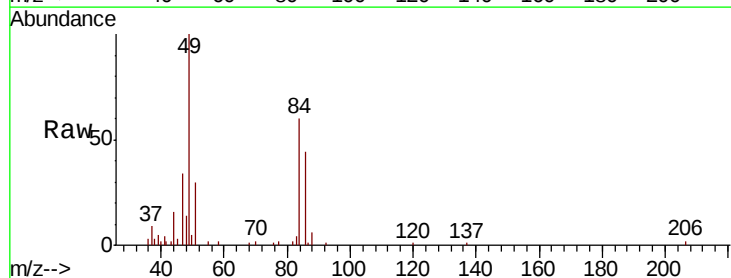
Ion Ratio Lower Upper

84 100

49 168.0 125.4 188.0

51 51.0 38.3 57.5

86 75.9 53.3 79.9

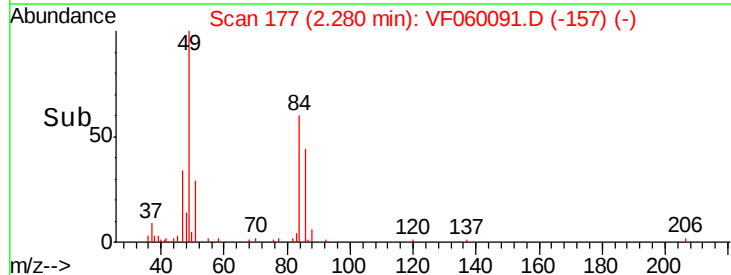
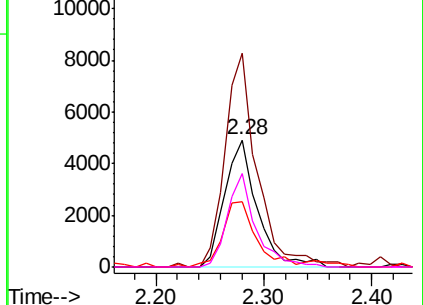


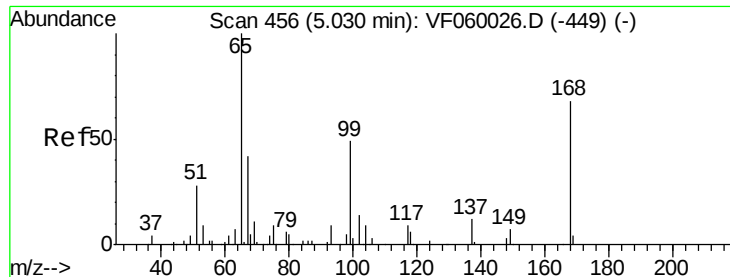
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 65.75 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060091.D

Acq: 24 Aug 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

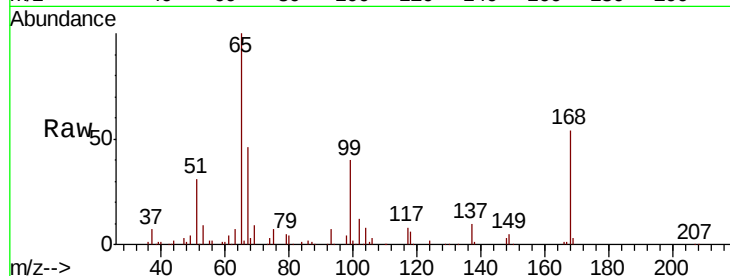
1-3-RO

Tot Ion: 65 Resp: 110935

Ion Ratio Lower Upper

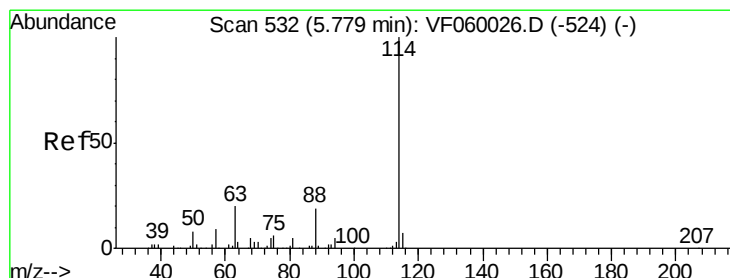
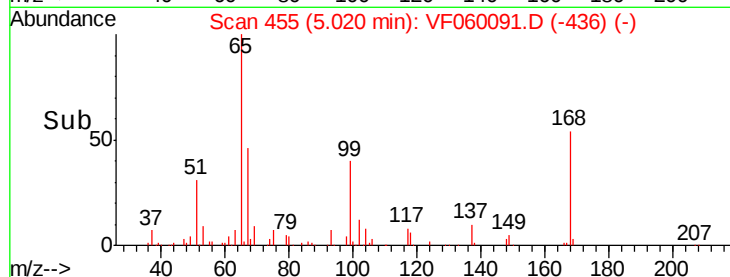
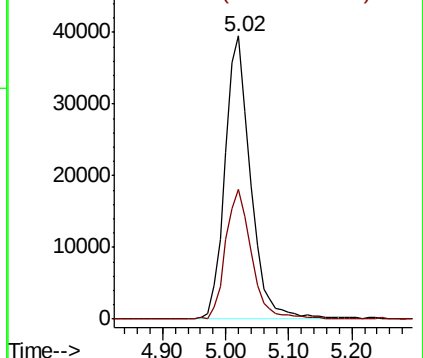
65 100

67 45.6 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060091.D

Acq: 24 Aug 2018 10:32

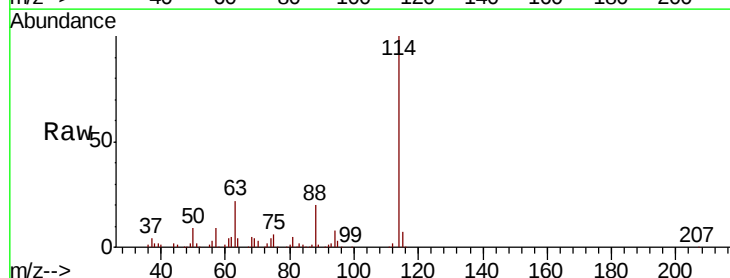
Tgt Ion: 114 Resp: 202434

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.4

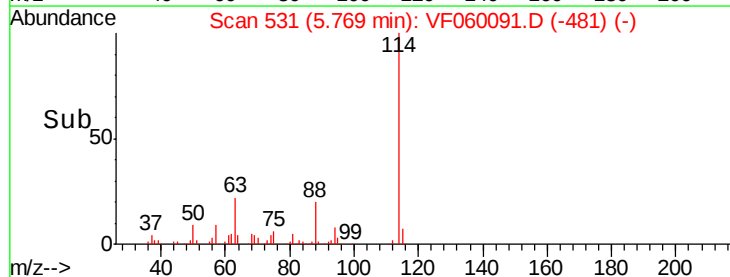
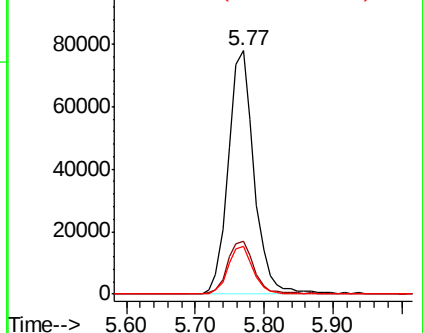
88 19.6 0.0 38.6

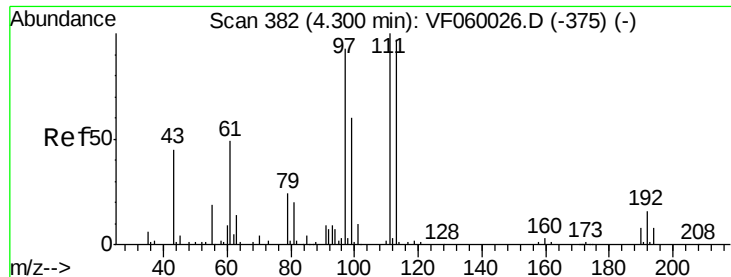


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 46.31 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060091.D

Acq: 24 Aug 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

1-3-RO

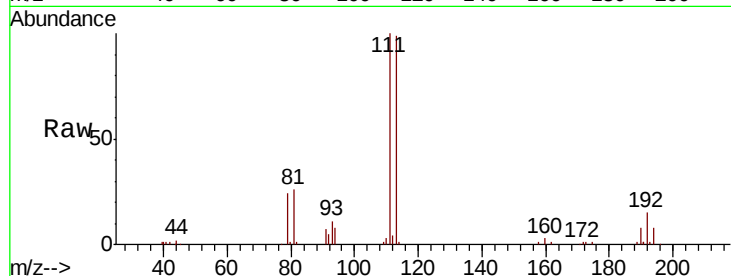
Tot Ion:113 Resp: 73614

Ion Ratio Lower Upper

113 100

111 100.9 82.7 124.1

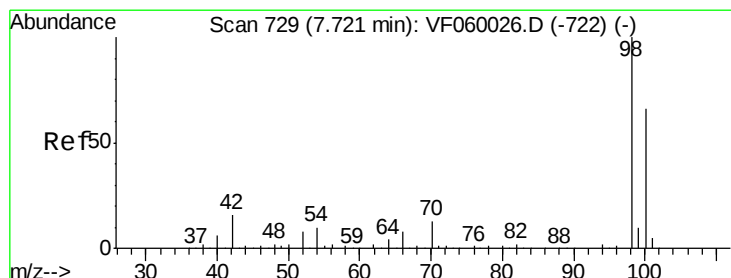
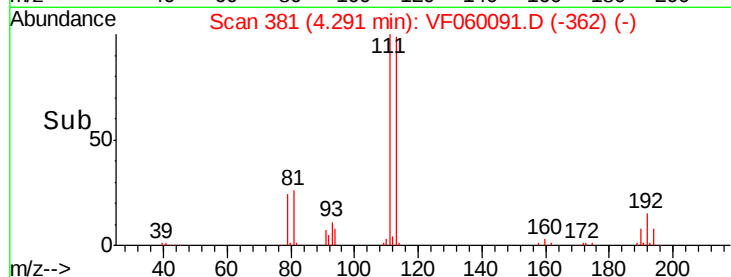
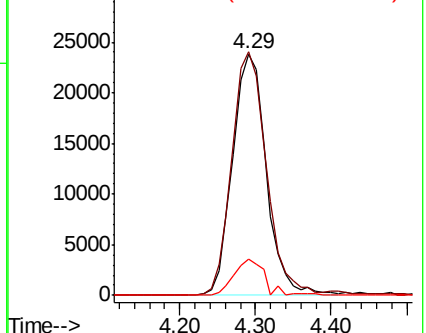
192 15.0 13.0 19.4



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 43.57 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060091.D

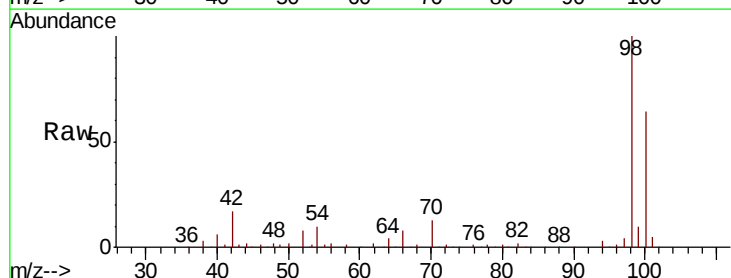
Acq: 24 Aug 2018 10:32

Tgt Ion: 98 Resp: 196699

Ion Ratio Lower Upper

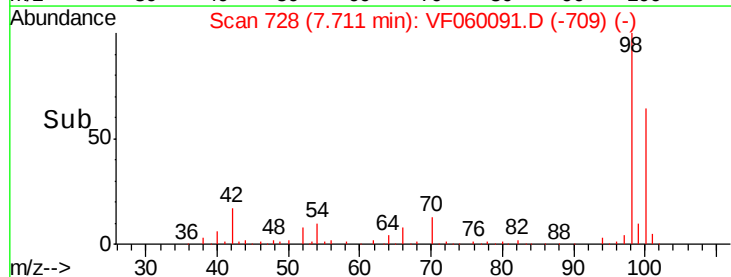
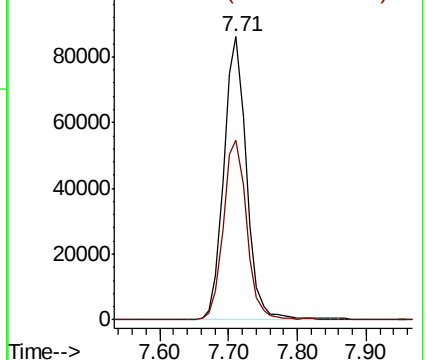
98 100

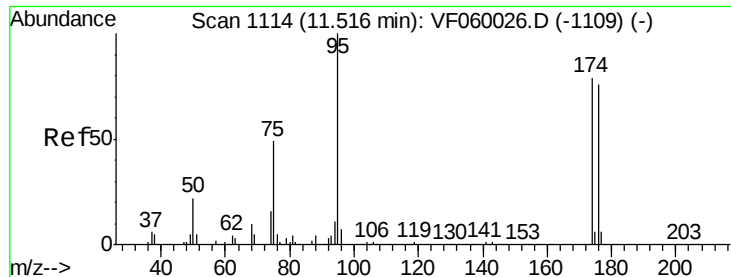
100 63.6 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

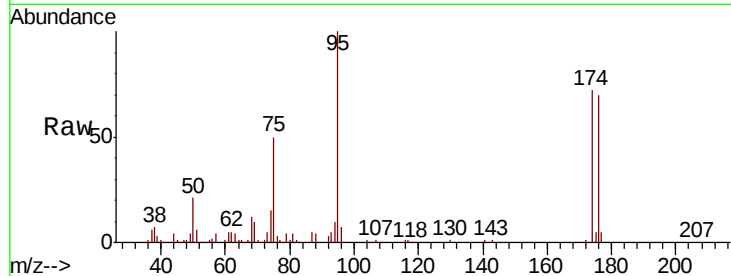




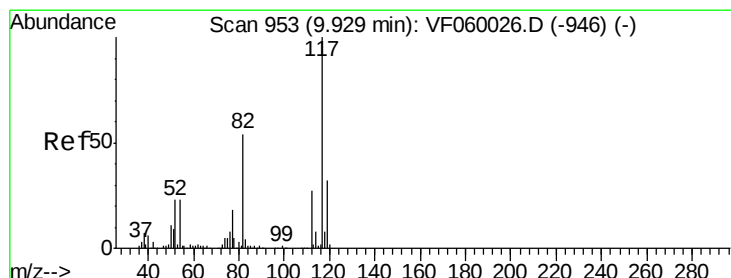
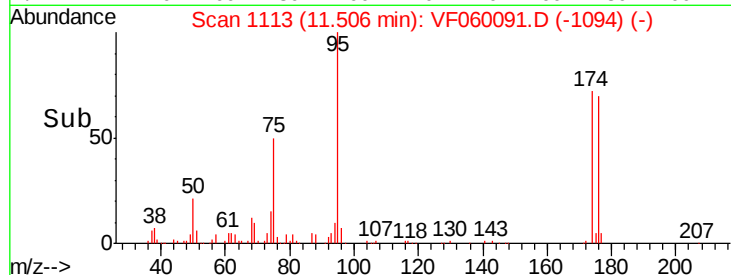
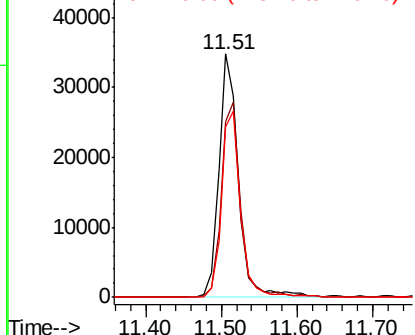
#62
4-Bromofluorobenzene
Concen: 26.46 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF060091.D
Acq: 24 Aug 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
1-3-RO

Tot Ion: 95 Resp: 63195
Ion Ratio Lower Upper
95 100
174 72.3 0.0 158.4
176 70.3 0.0 153.0

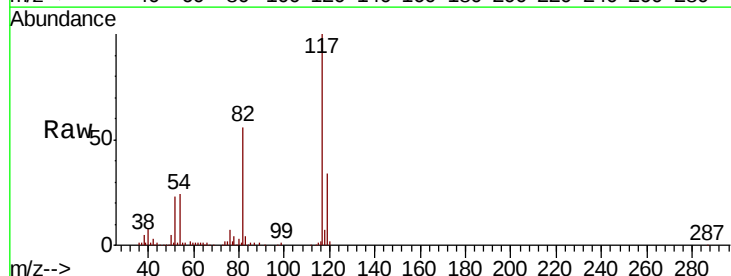


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

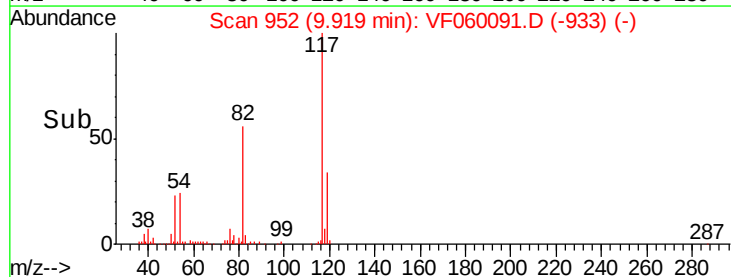
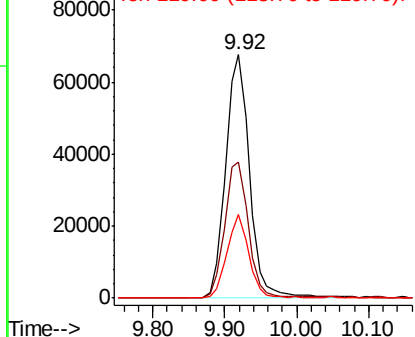


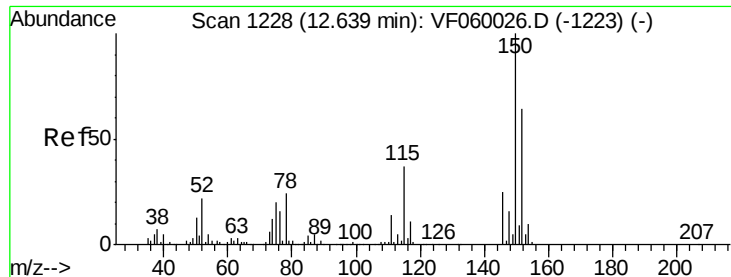
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060091.D
Acq: 24 Aug 2018 10:32

Tgt Ion: 117 Resp: 155458
Ion Ratio Lower Upper
117 100
82 56.0 43.6 65.4
119 34.4 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



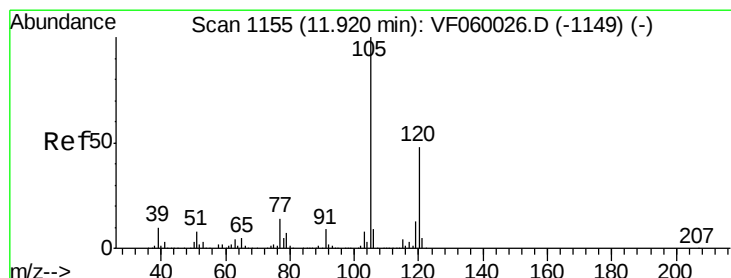
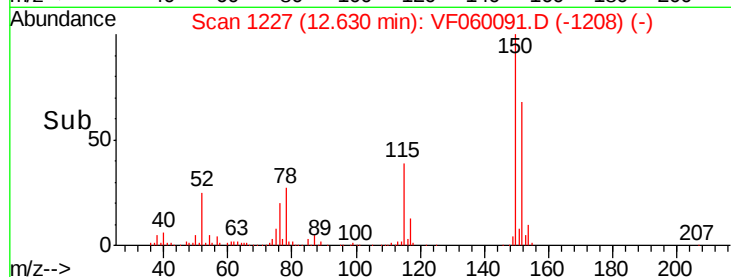
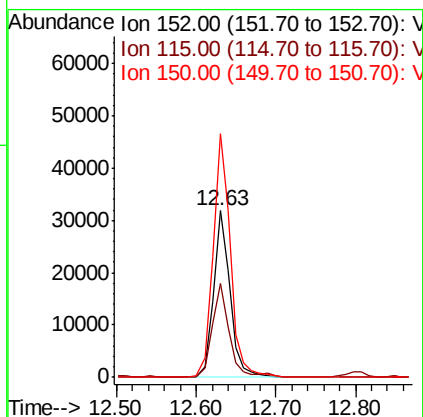
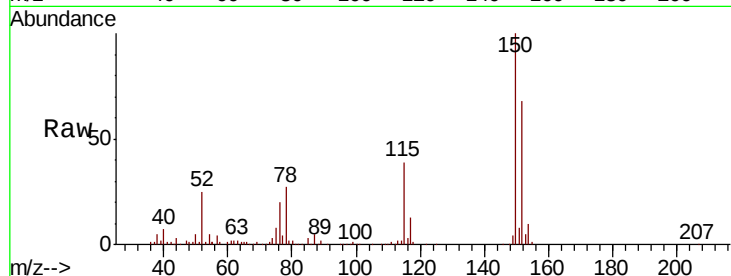


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060091.D
Acq: 24 Aug 2018 10:32

Instrument :
MSVOA_F
ClientSampleId :
1-3-RO

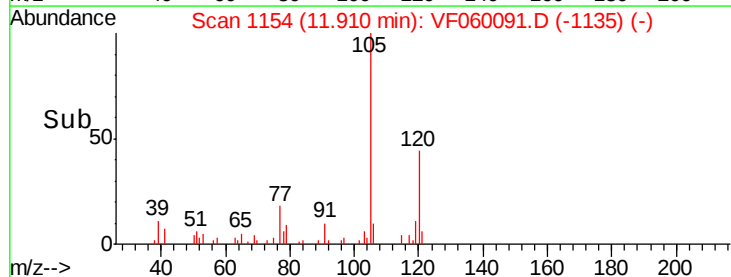
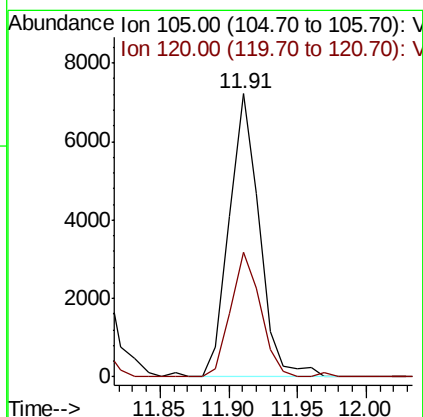
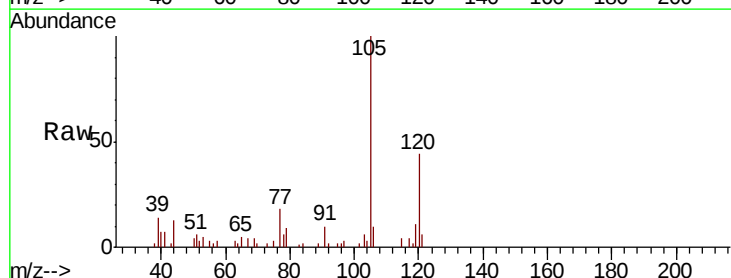
Tot Ion	152	Resp	46706
Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.6	85.9
150	146.4	0.0	312.0

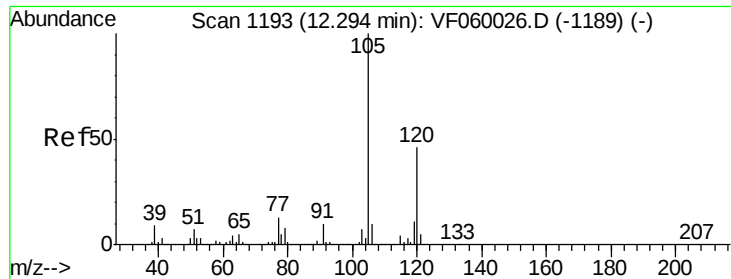


#80

1,3,5-Trimethylbenzene
Concen: 4.49 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VF060091.D
Acq: 24 Aug 2018 10:32

Tgt Ion	105	Resp	11000
Ion	Ratio	Lower	Upper
105	100		
120	44.2	23.8	71.5

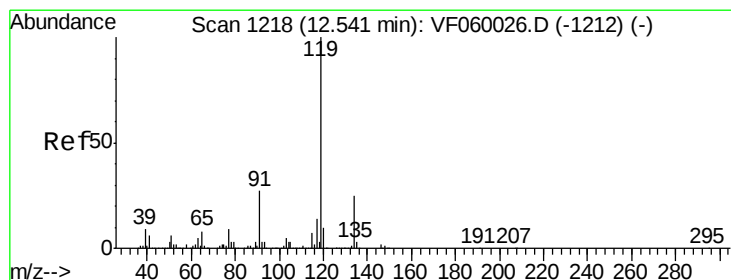
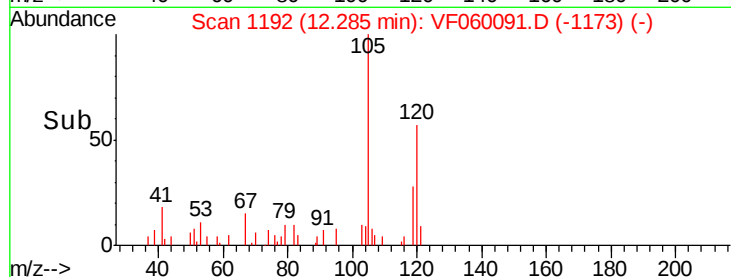
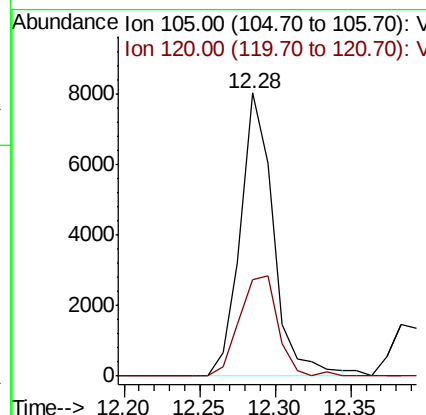
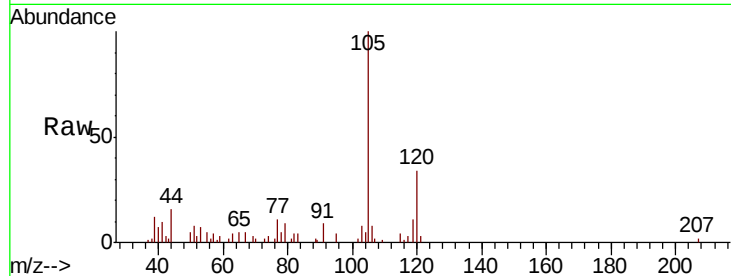




#84
 1,2,4-Trimethylbenzene
 Concen: 4.71 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060091.D
 Acq: 24 Aug 2018 10:32

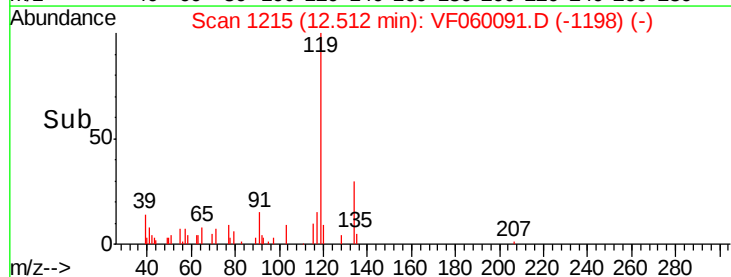
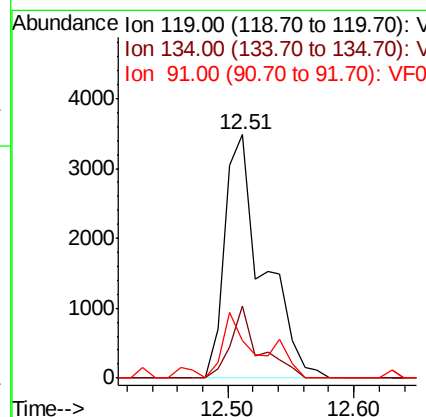
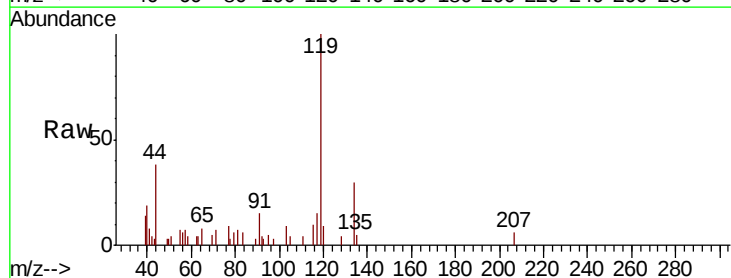
Instrument :
 MSVOA_F
 ClientSampleId :
 1-3-RO

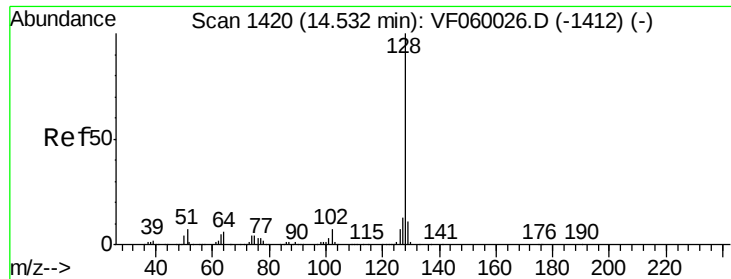
Tot Ion:105 Resp: 12258
 Ion Ratio Lower Upper
 105 100
 120 34.3 23.3 69.8



#86
 p-Isopropyltoluene
 Concen: 2.67 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.03 min
 Lab File: VF060091.D
 Acq: 24 Aug 2018 10:32

Tgt Ion:119 Resp: 7369
 Ion Ratio Lower Upper
 119 100
 134 29.7 12.4 37.2
 91 15.2 13.5 40.4





#95

Naphthalene

Concen: 5.14 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF060091.D

Acq: 24 Aug 2018 10:32

Instrument :

MSVOA_F

ClientSampleId :

1-3-RO

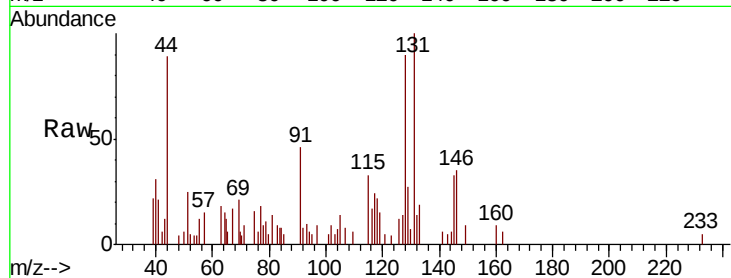
Tot Ion:128 Resp: 5190

Ion Ratio Lower Upper

128 100

127 15.8 10.4 15.6#

129 30.0 8.5 12.7#



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

