

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060212.D
 Acq On : 7 Sep 2018 16:03
 Operator : VA/AP
 Sample : J4693-18
 Misc : 6.54g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-MW-G(10-15)

Quant Time: Sep 07 23:59:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	206448	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	285684	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.93	117	290387	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	174096	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	132825	36.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	73.66%	
35) Dibromofluoromethane	4.30	113	102604	36.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.32%	
50) Toluene-d8	7.71	98	258676	37.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.08%	
62) 4-Bromofluorobenzene	11.51	95	166997	42.38	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.76%	

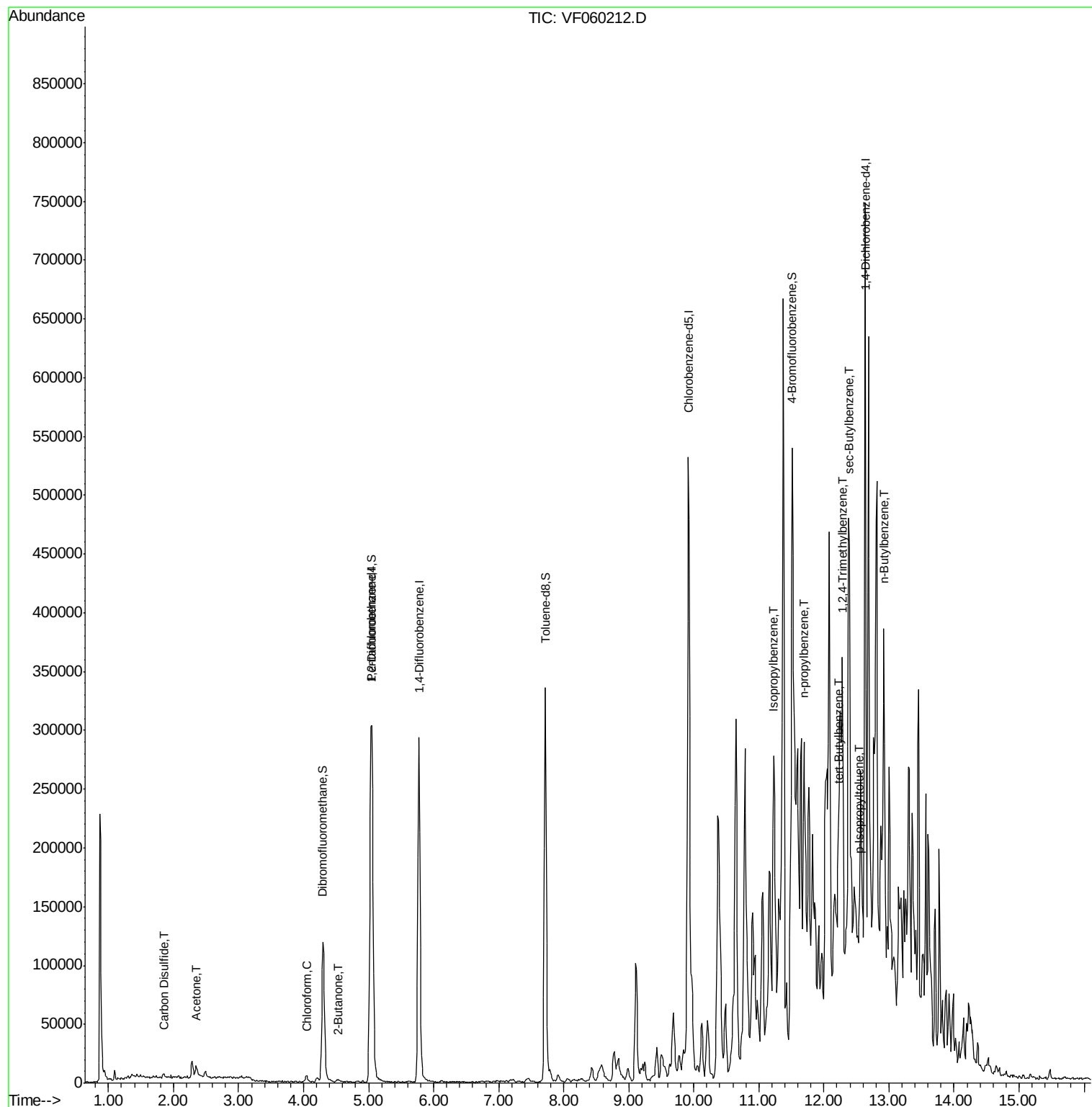
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.35	43	16189	26.92	ug/l	94
17) Carbon Disulfide	1.84	76	5077	1.17	ug/l	99
25) 2-Butanone	4.53	43	4128	4.07	ug/l #	84
30) Chloroform	4.05	83	5479	1.03	ug/l	88
73) Isopropylbenzene	11.23	105	104360	8.69	ug/l	98
78) n-propylbenzene	11.69	91	119423	8.30	ug/l	98
83) tert-Butylbenzene	12.21	119	32730	3.39	ug/l	91
84) 1,2,4-Trimethylbenzene	12.29	105	11123	1.03	ug/l	94
85) sec-Butylbenzene	12.39	105	158417	11.89	ug/l	83
86) p-Isopropyltoluene	12.54	119	24373	2.06	ug/l	91
89) n-Butylbenzene	12.92	91	50856	4.44	ug/l	99

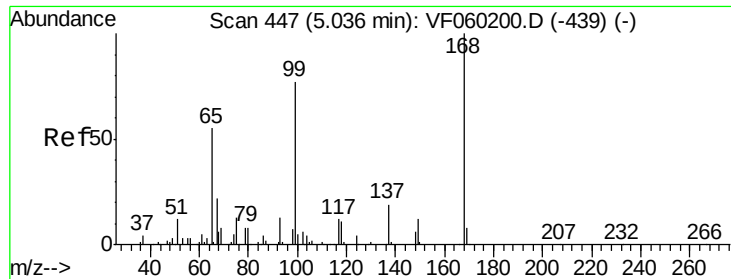
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 07 10:44:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF060212.D

Acq: 7 Sep 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

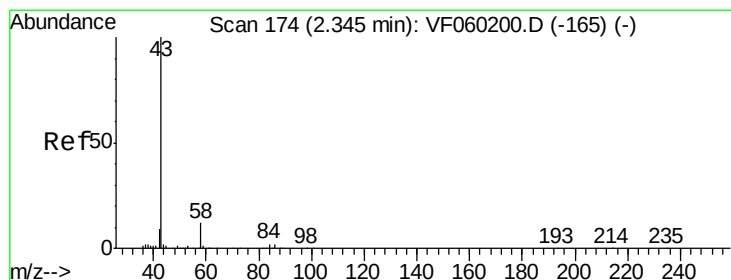
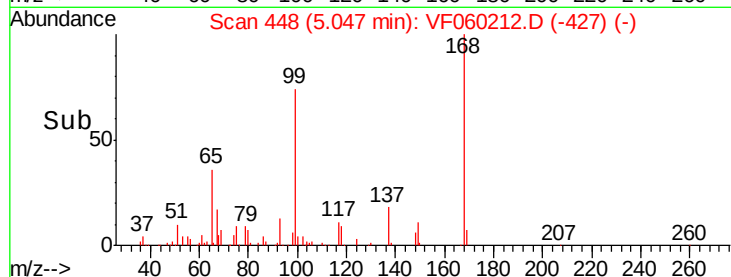
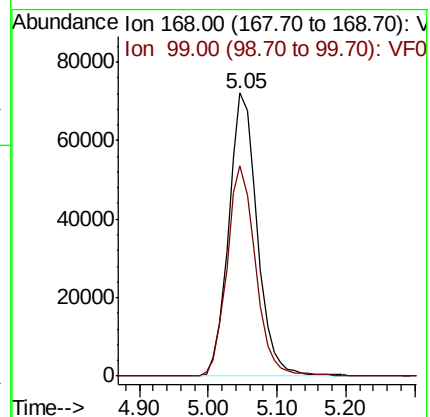
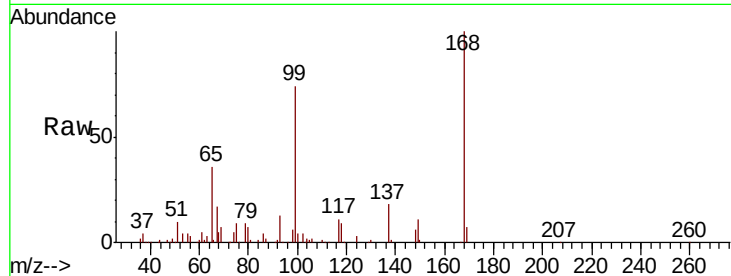
EP1-MW-G(10-15)

Tot Ion:168 Resp: 206448

Ion Ratio Lower Upper

168 100

99 74.4 61.8 92.6



#16

Acetone

Concen: 26.92 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.00 min

Lab File: VF060212.D

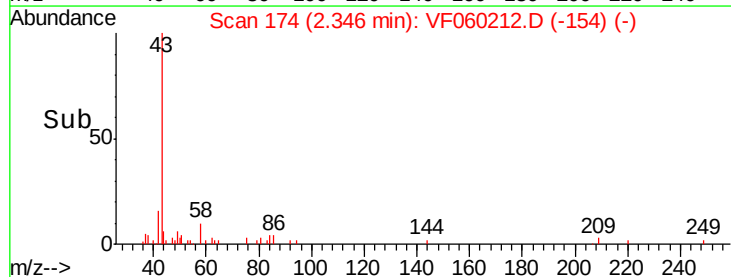
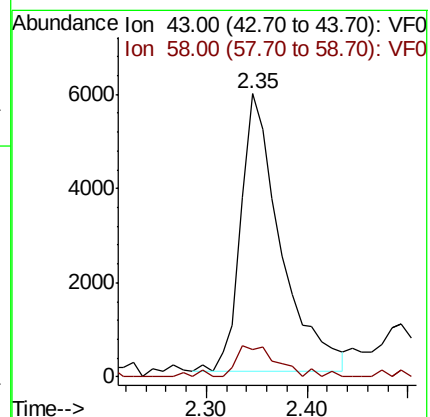
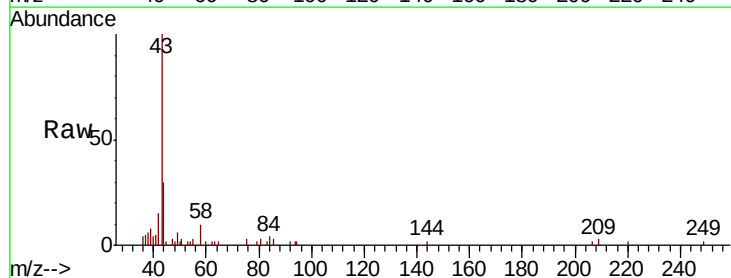
Acq: 7 Sep 2018 16:03

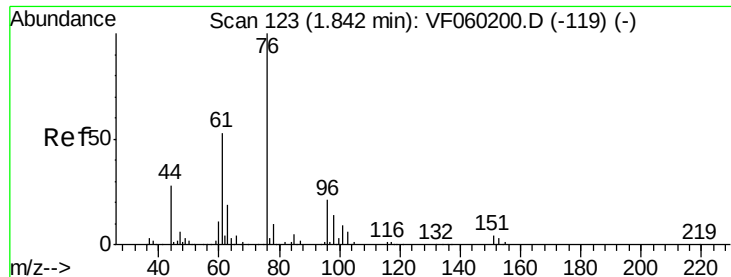
Tgt Ion: 43 Resp: 16189

Ion Ratio Lower Upper

43 100

58 9.8 9.7 14.5





#17

Carbon Disulfide

Concen: 1.17 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF060212.D

Acq: 7 Sep 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

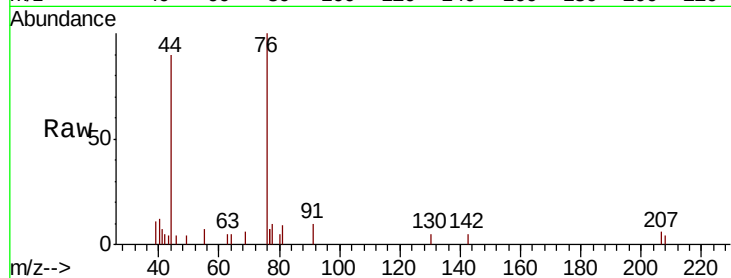
EP1-MW-G(10-15)

Tot Ion: 76 Resp: 5077

Ion Ratio Lower Upper

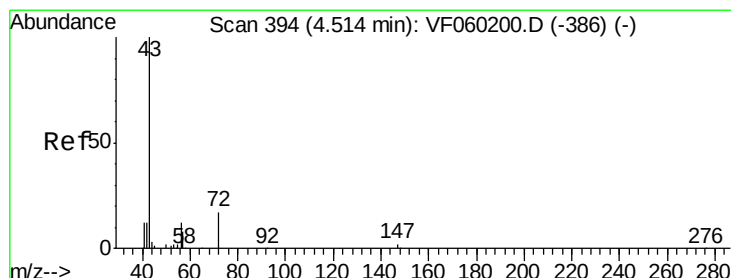
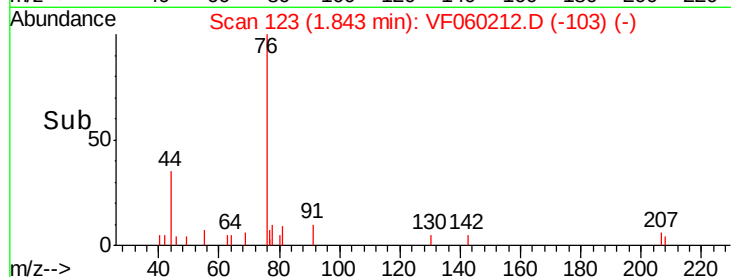
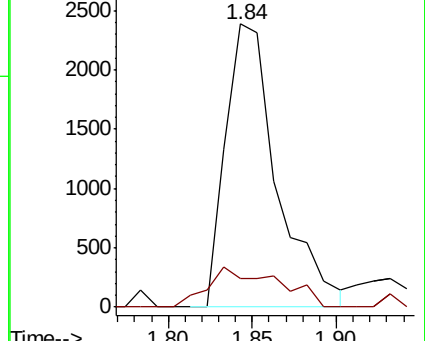
76 100

78 10.2 8.5 12.7



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#25

2-Butanone

Concen: 4.07 ug/l

RT: 4.53 min Scan# 396

Delta R.T. 0.02 min

Lab File: VF060212.D

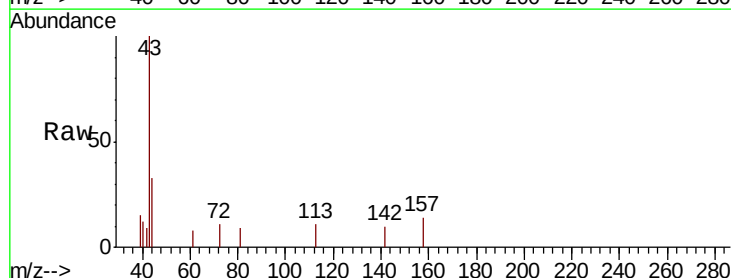
Acq: 7 Sep 2018 16:03

Tgt Ion: 43 Resp: 4128

Ion Ratio Lower Upper

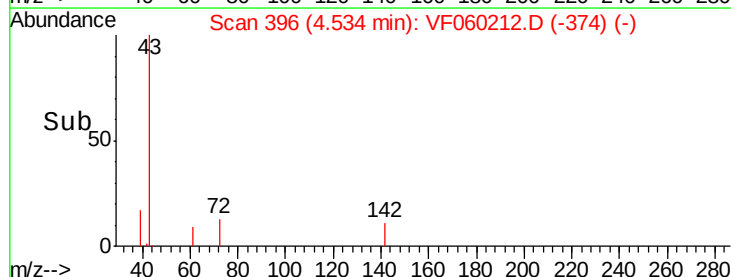
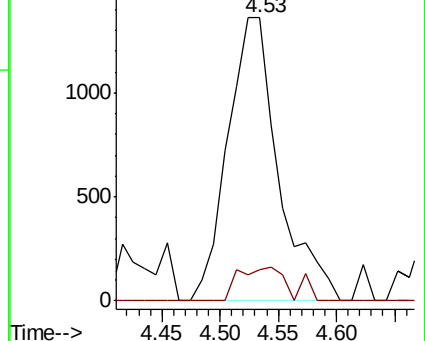
43 100

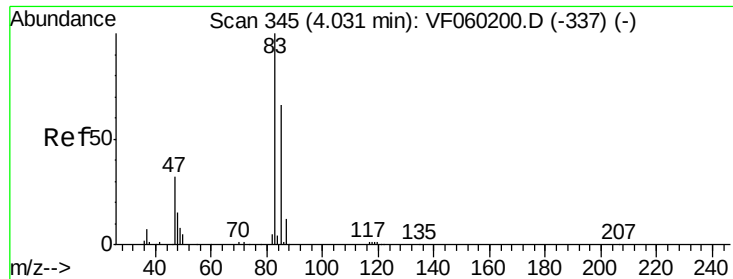
72 11.2 14.8 22.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

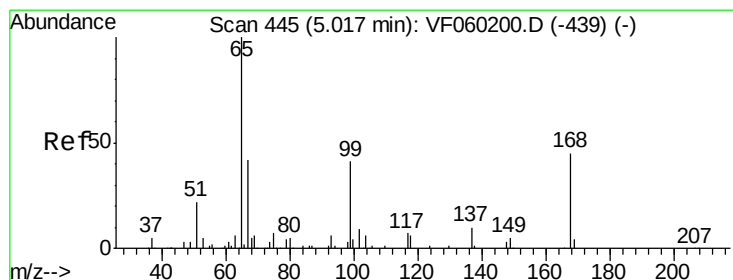
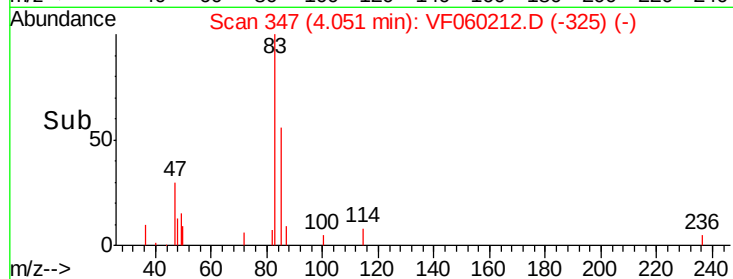
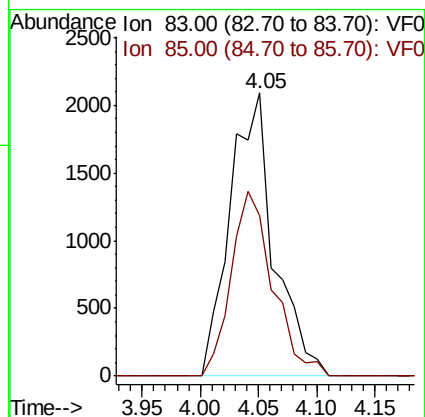
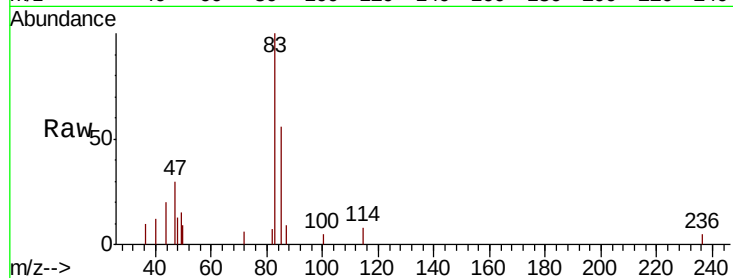




#30
Chloroform
Concen: 1.03 ug/l
RT: 4.05 min Scan# 347
Delta R.T. 0.02 min
Lab File: VF060212.D
Acq: 7 Sep 2018 16:03

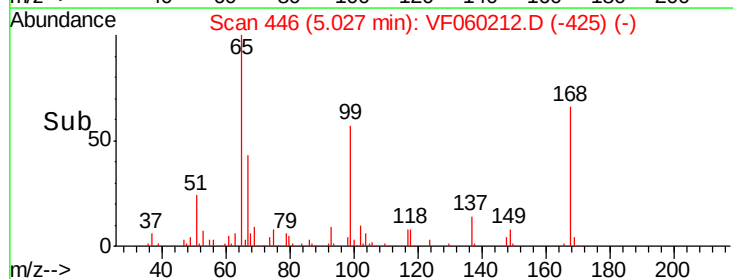
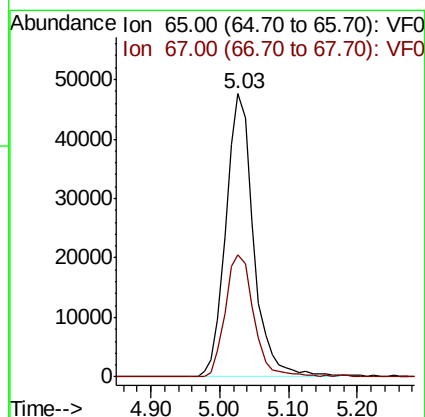
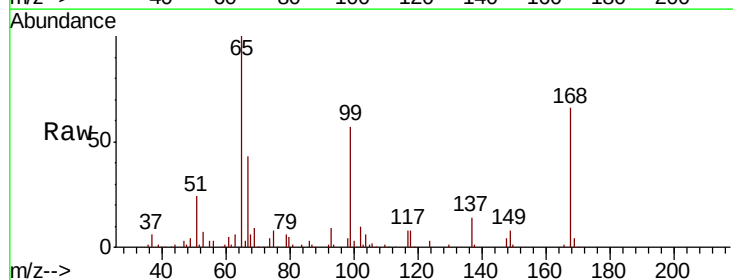
Instrument :
MSVOA_F
ClientSampleId :
EP1-MW-G(10-15)

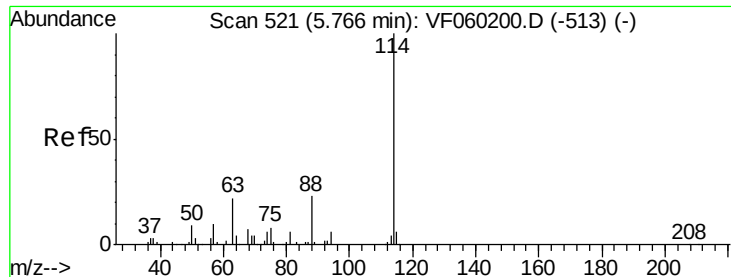
Tot Ion: 83 Resp: 5479
Ion Ratio Lower Upper
83 100
85 56.5 52.6 79.0



#33
1,2-Dichloroethane-d4
Concen: 36.83 ug/l
RT: 5.03 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF060212.D
Acq: 7 Sep 2018 16:03

Tgt Ion: 65 Resp: 132825
Ion Ratio Lower Upper
65 100
67 43.3 0.0 87.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 522

Delta R.T. 0.01 min

Lab File: VF060212.D

Acq: 7 Sep 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

EP1-MW-G(10-15)

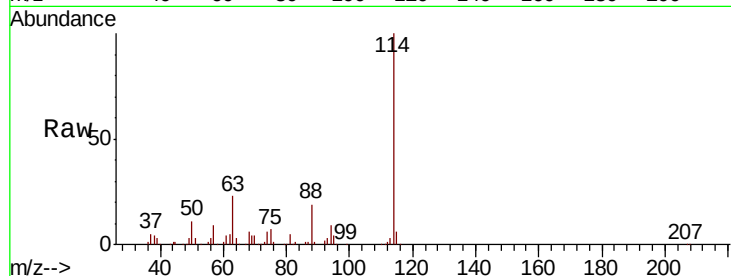
Tot Ion:114 Resp: 285684

Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.6

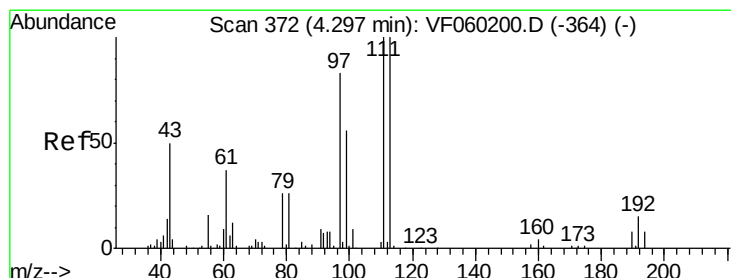
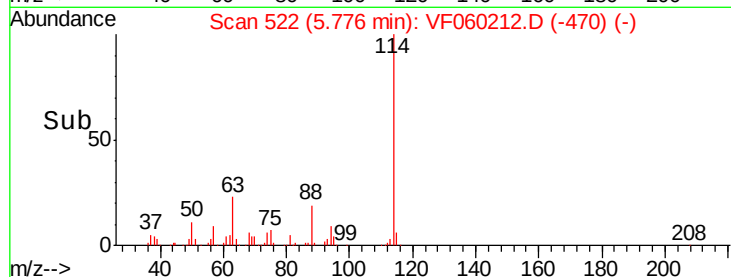
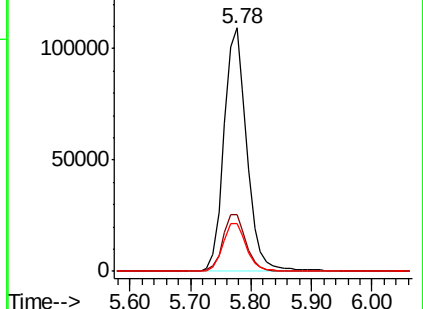
88 19.4 0.0 46.4



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: 36.66 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF060212.D

Acq: 7 Sep 2018 16:03

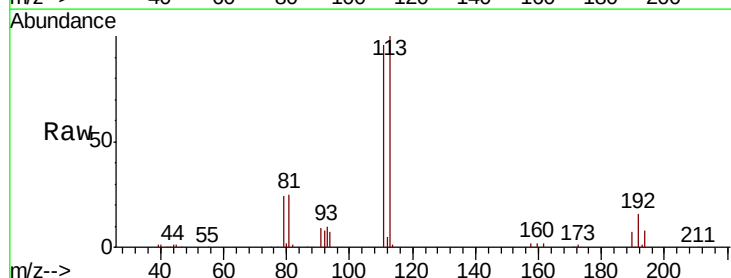
Tgt Ion:113 Resp: 102604

Ion Ratio Lower Upper

113 100

111 95.2 80.2 120.2

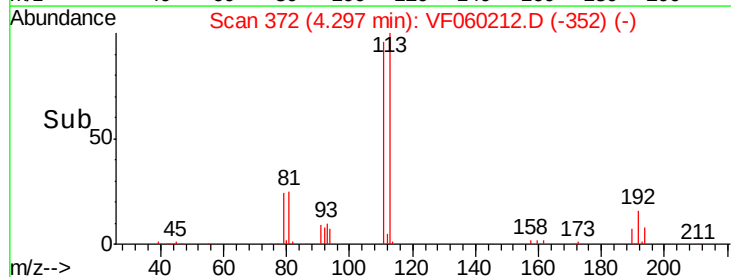
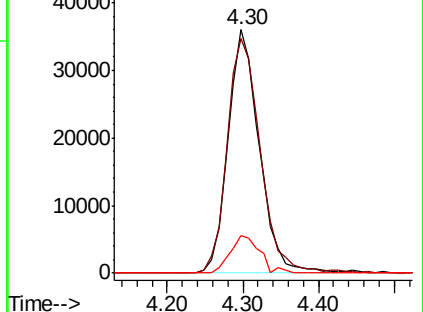
192 15.4 11.8 17.8

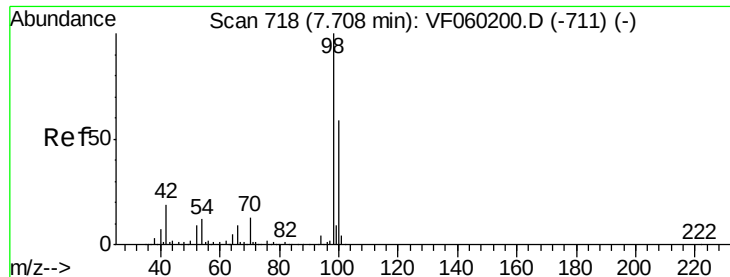


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 37.04 ug/l

RT: 7.71 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF060212.D

Acq: 7 Sep 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

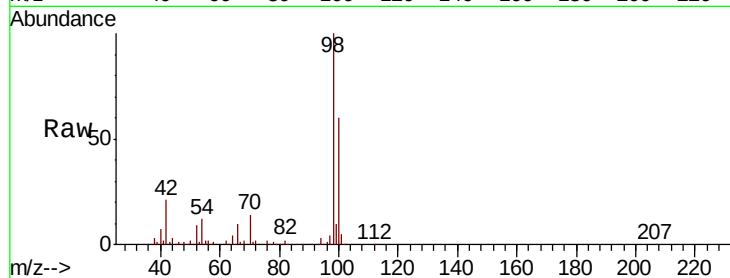
EP1-MW-G(10-15)

Tot Ion: 98 Resp: 258676

Ion Ratio Lower Upper

98 100

100 59.7 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.71

120000

100000

80000

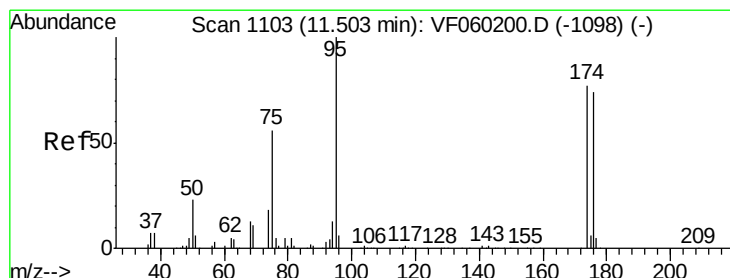
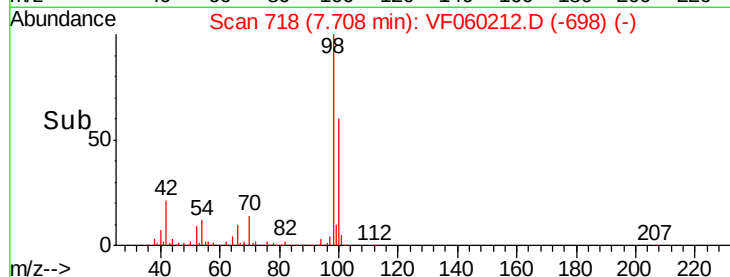
60000

40000

20000

0

Time--> 7.60 7.70 7.80 7.90



#62

4-Bromofluorobenzene

Concen: 42.38 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VF060212.D

Acq: 7 Sep 2018 16:03

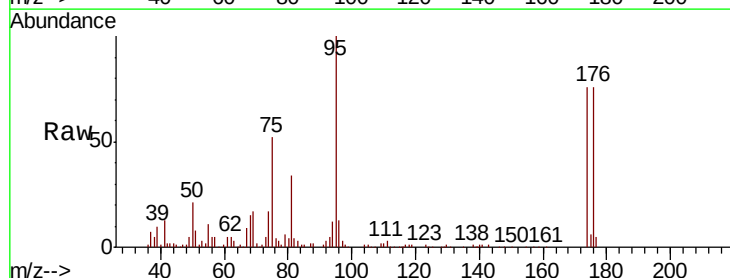
Tgt Ion: 95 Resp: 166997

Ion Ratio Lower Upper

95 100

174 75.8 0.0 153.2

176 76.2 0.0 147.2



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

120000

100000

80000

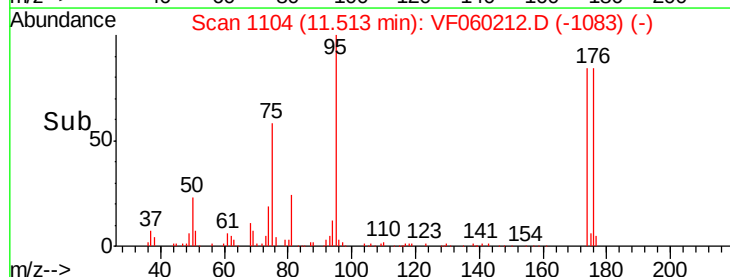
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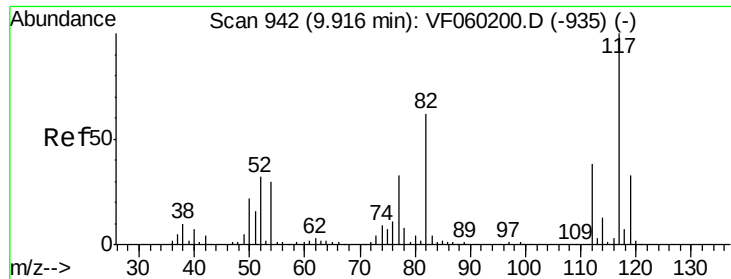
40000

20000

0

Time--> 11.40 11.50 11.60

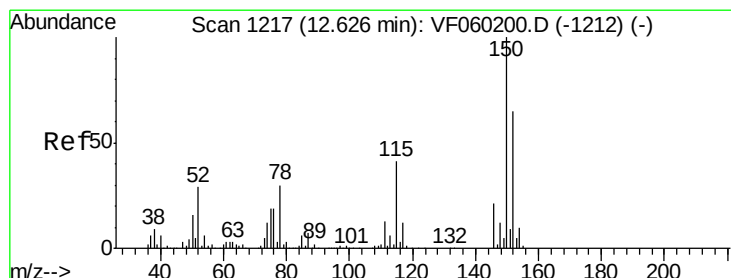
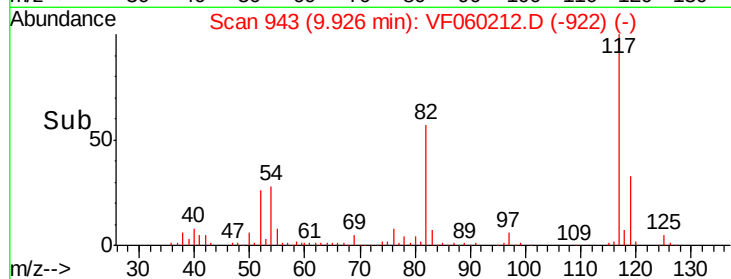
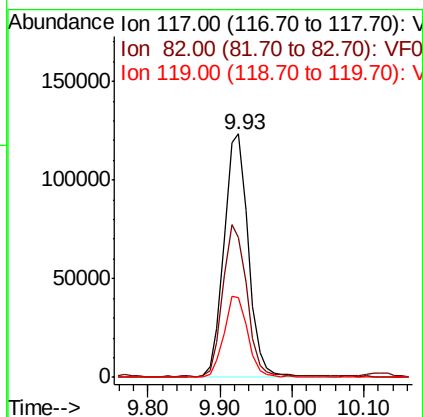
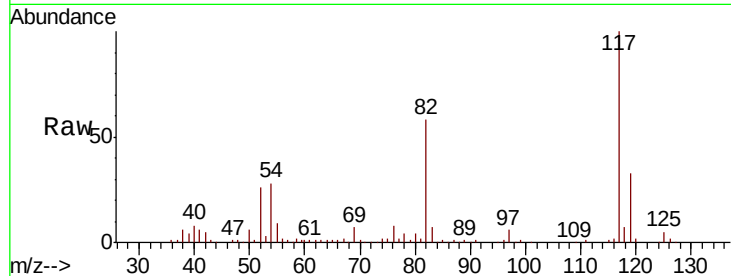




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF060212.D
Acq: 7 Sep 2018 16:03

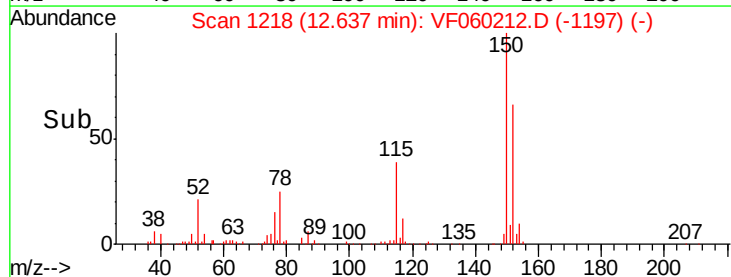
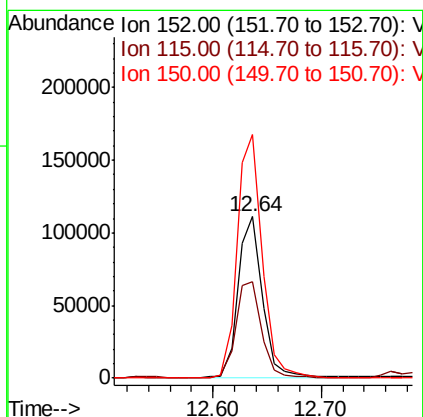
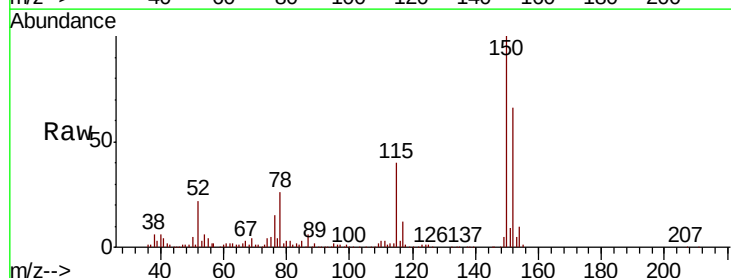
Instrument :
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EP1-MW-G(10-15)

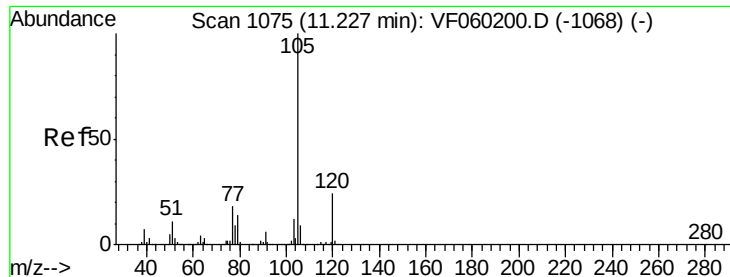
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	49.3	73.9
119	33.0	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VF060212.D
Acq: 7 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	31.5	94.5
150	150.9	0.0	310.4





#73

Isopropylbenzene

Concen: 8.69 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060212.D

Acq: 7 Sep 2018 16:03

Instrument :

MSVOA_F

ClientSampleId :

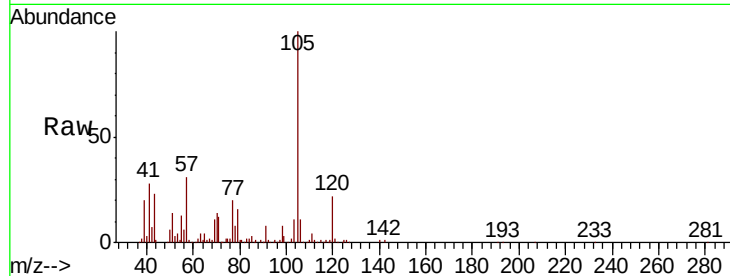
EP1-MW-G(10-15)

Tot Ion:105 Resp: 104360

Ion Ratio Lower Upper

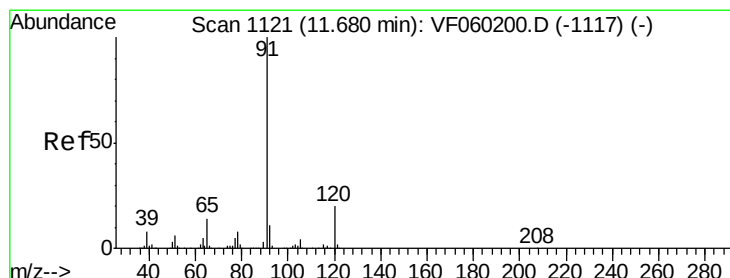
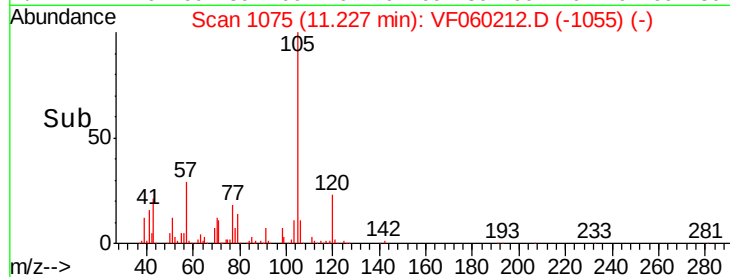
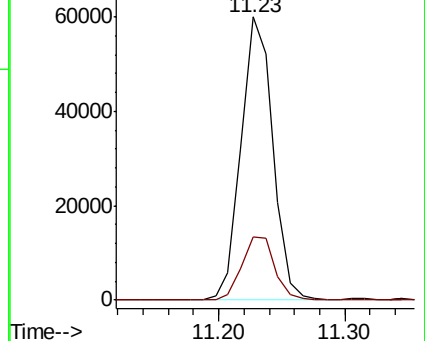
105 100

120 22.5 11.8 35.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 8.30 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060212.D

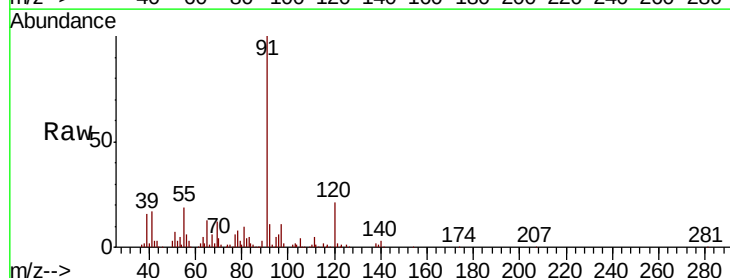
Acq: 7 Sep 2018 16:03

Tgt Ion: 91 Resp: 119423

Ion Ratio Lower Upper

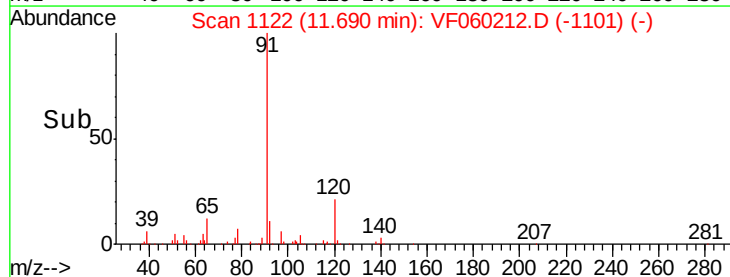
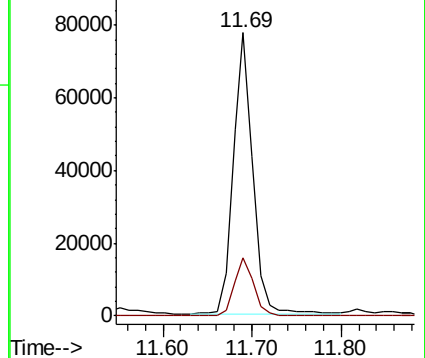
91 100

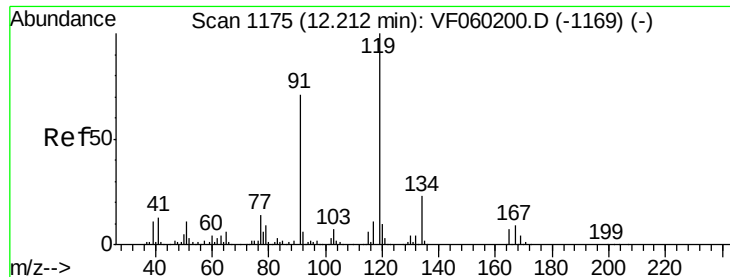
120 20.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

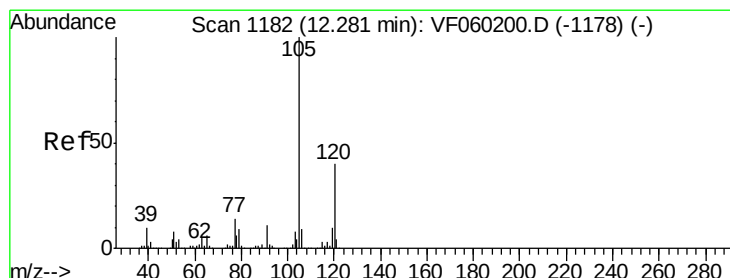
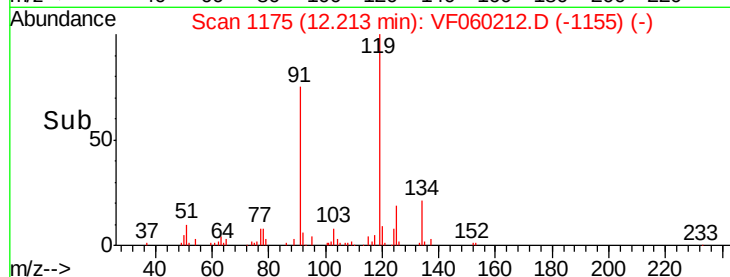
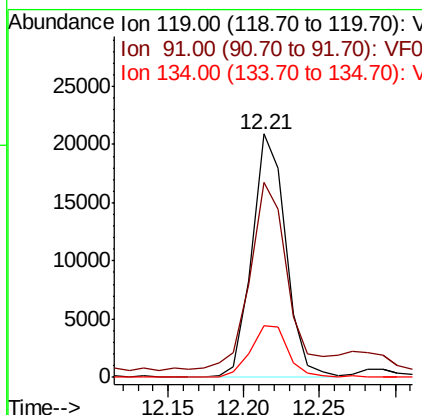
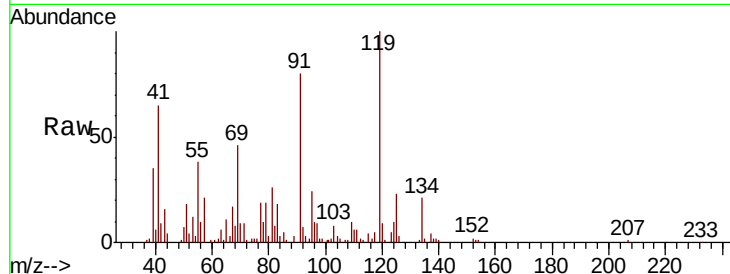




#83
 tert-Butylbenzene
 Concen: 3.39 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060212.D
 Acq: 7 Sep 2018 16:03

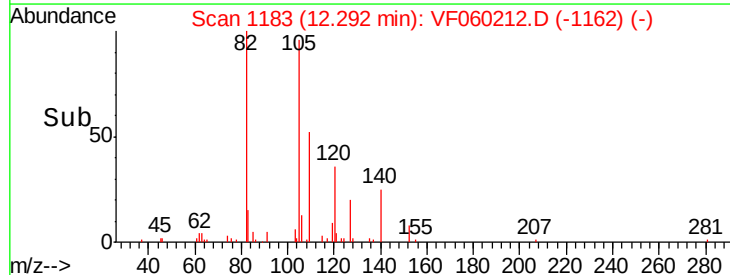
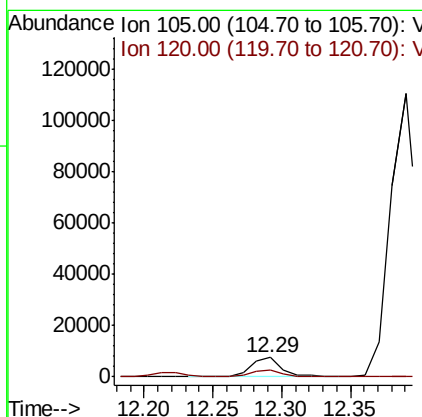
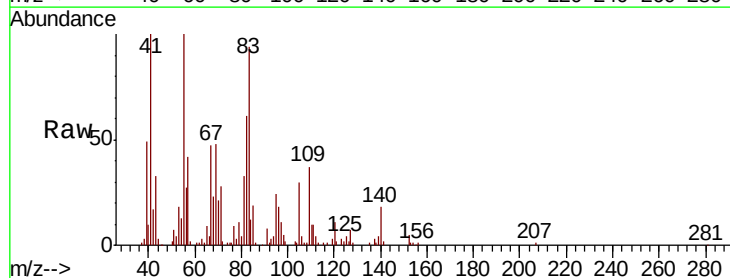
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-MW-G(10-15)

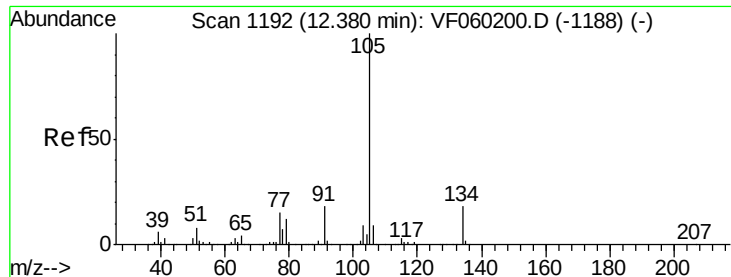
Tot Ion:119 Resp: 32730
 Ion Ratio Lower Upper
 119 100
 91 80.3 35.8 107.4
 134 21.0 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 1.03 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060212.D
 Acq: 7 Sep 2018 16:03

Tgt Ion:105 Resp: 11123
 Ion Ratio Lower Upper
 105 100
 120 36.7 20.2 60.5

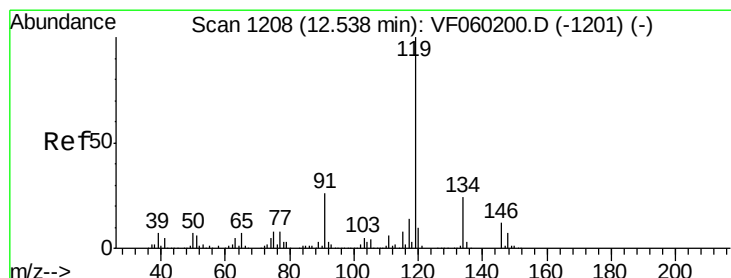
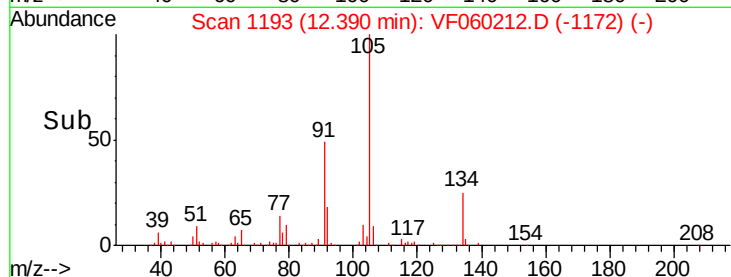
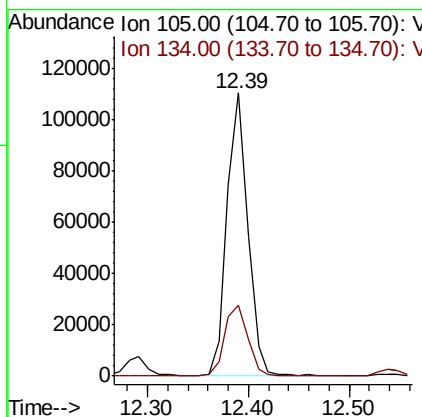
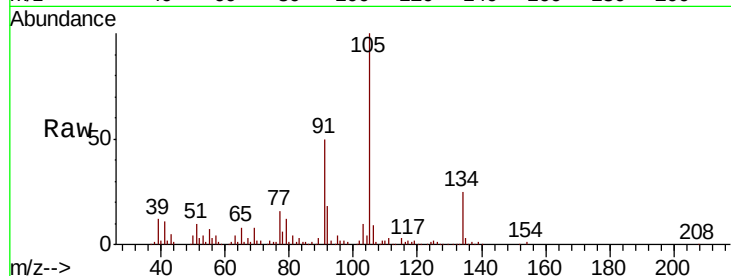




#85
 sec-Butylbenzene
 Concen: 11.89 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: VF060212.D
 Acq: 7 Sep 2018 16:03

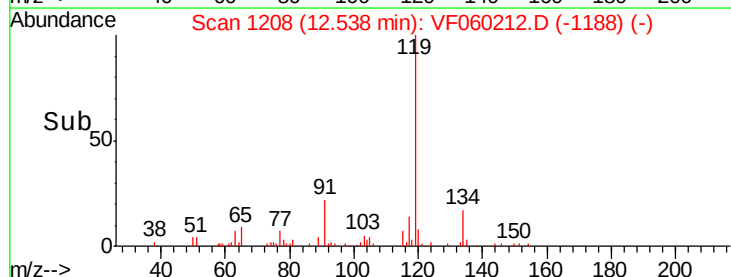
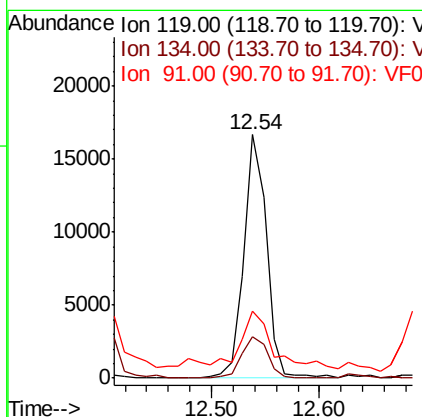
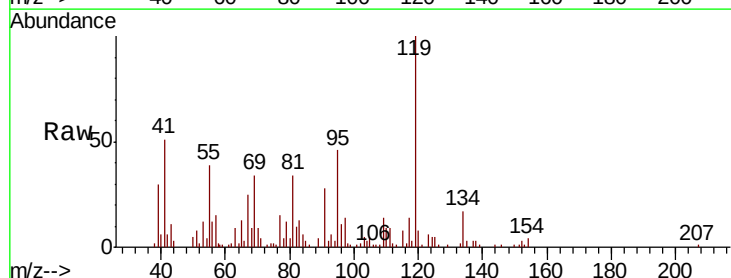
Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-MW-G(10-15)

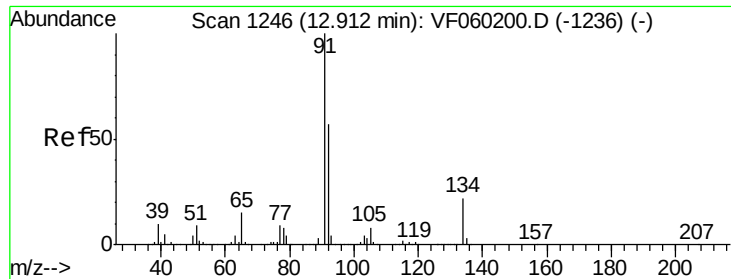
Tot Ion:105 Resp: 158417
 Ion Ratio Lower Upper
 105 100
 134 25.0 8.8 26.5



#86
 p-Isopropyltoluene
 Concen: 2.06 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060212.D
 Acq: 7 Sep 2018 16:03

Tgt Ion:119 Resp: 24373
 Ion Ratio Lower Upper
 119 100
 134 17.1 12.0 36.0
 91 27.7 12.9 38.7





#89
 n-Butylbenzene
 Concen: 4.44 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. 0.01 min
 Lab File: VF060212.D
 Acq: 7 Sep 2018 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-MW-G(10-15)

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	57.0	28.4	85.3	
134	24.3	11.1	33.3	

