

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060008.D
 Acq On : 20 Aug 2018 18:00
 Operator : VA/AP
 Sample : J4539-02
 Misc : 6.65g/5mL/MSVOA F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MS-RO-27186

Quant Time: Aug 21 07:28:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	101210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	133874	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	97249	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.64	152	29617	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	104148	53.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.62%	
35) Dibromofluoromethane	4.29	113	86433	63.17	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	126.34%	
50) Toluene-d8	7.71	98	129851	42.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.36%	
62) 4-Bromofluorobenzene	11.51	95	45974	24.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.24%	

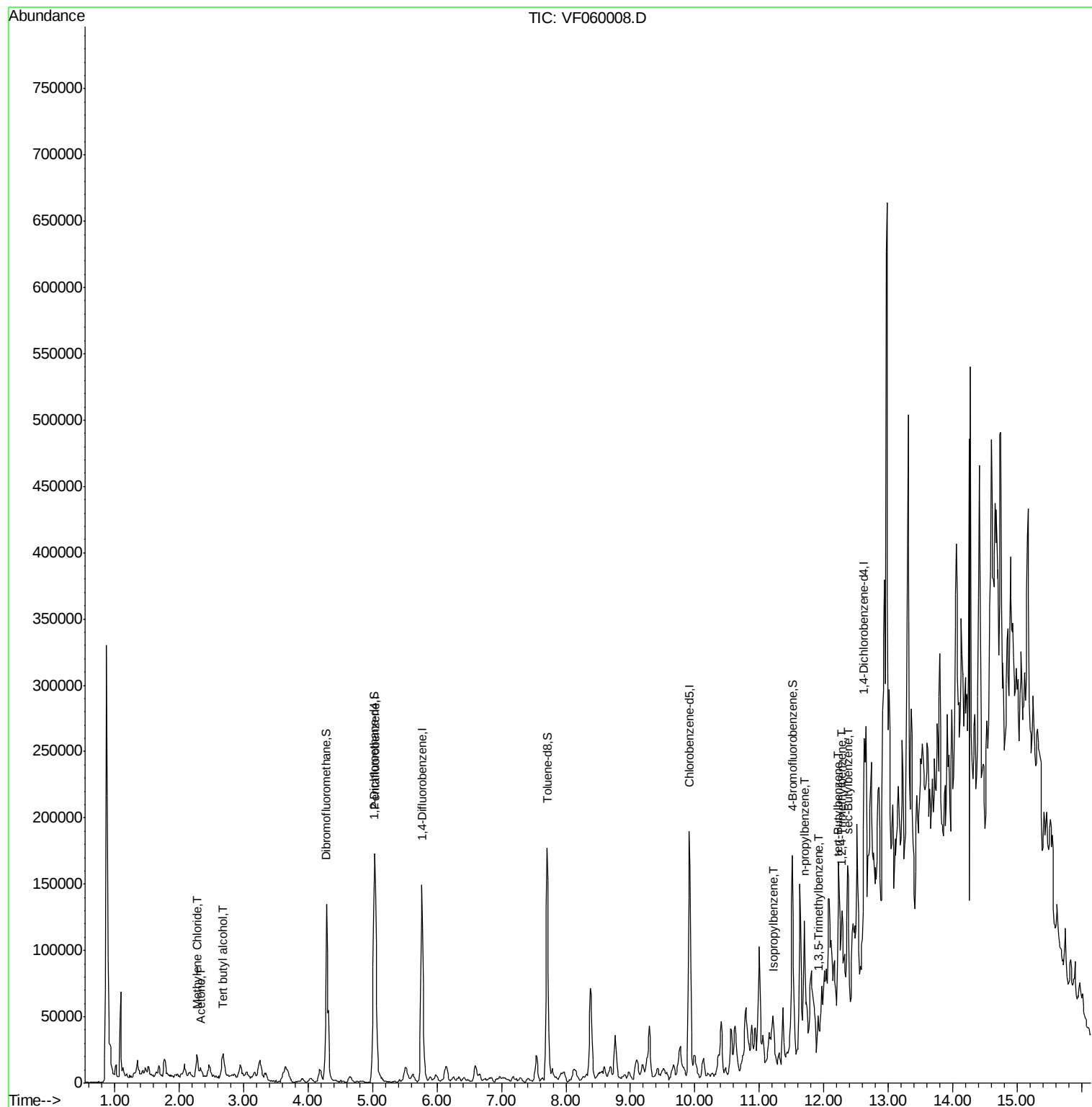
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	24416	214.45	ug/l	# 93
16) Acetone	2.33	43	10016	7.75	ug/l	94
20) Methylene Chloride	2.29	84	6105	1.71	ug/l	87
73) Isopropylbenzene	11.23	105	5572	3.14	ug/l	83
78) n-propylbenzene	11.69	91	3263	1.48	ug/l	89
80) 1,3,5-Trimethylbenzene	11.92	105	8742	5.45	ug/l	91
83) tert-Butylbenzene	12.21	119	4033	2.56	ug/l	70
84) 1,2,4-Trimethylbenzene	12.29	105	16541	9.79	ug/l	93
85) sec-Butylbenzene	12.39	105	4369	2.10	ug/l	94

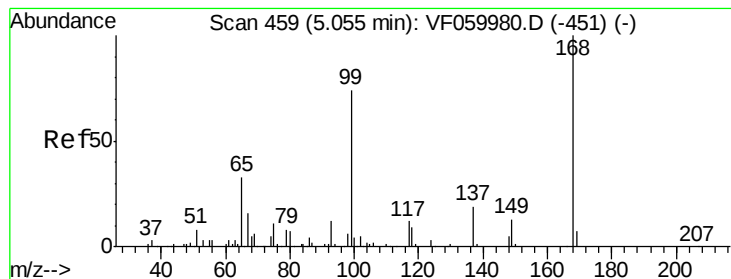
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060008.D

Acq: 20 Aug 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

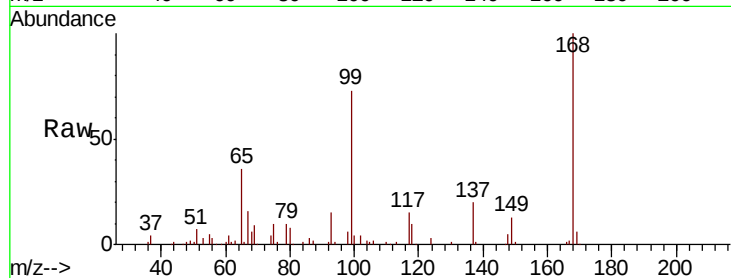
MS-RO-27186

Tot Ion:168 Resp: 101210

Ion Ratio Lower Upper

168 100

99 73.3 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

30000

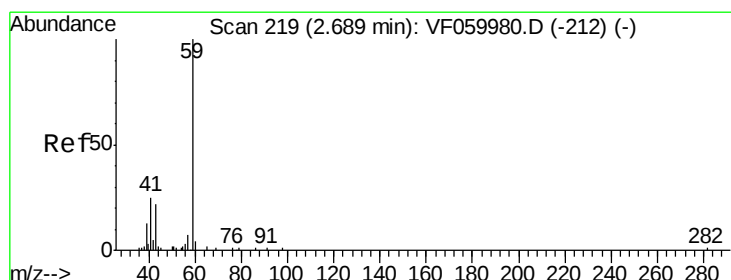
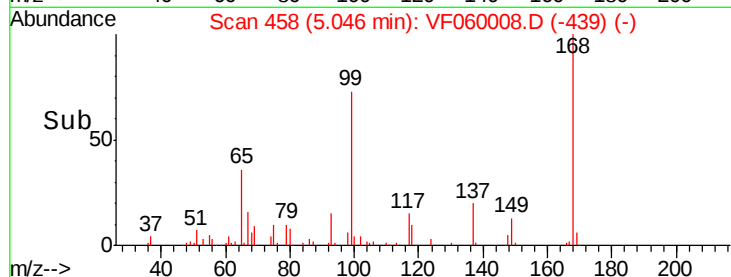
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 214.45 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF060008.D

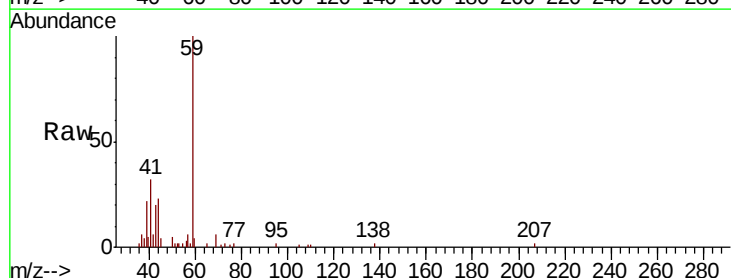
Acq: 20 Aug 2018 18:00

Tgt Ion: 59 Resp: 24416

Ion Ratio Lower Upper

59 100

57 6.0 6.8 10.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

8000

6000

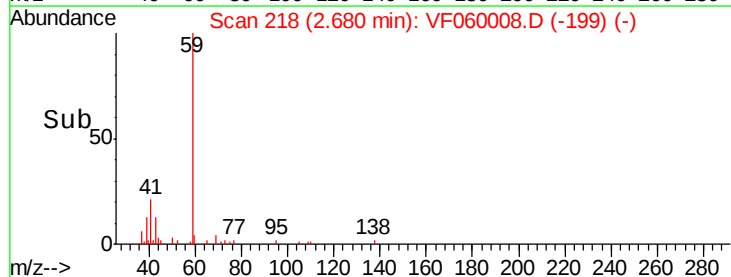
4000

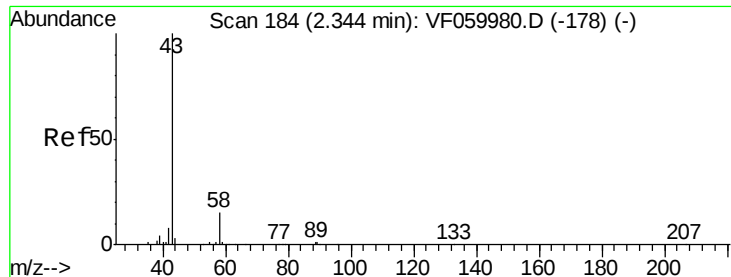
2000

0

Time-->

2.60 2.70 2.80





#16

Acetone

Concen: 7.75 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060008.D

Acq: 20 Aug 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

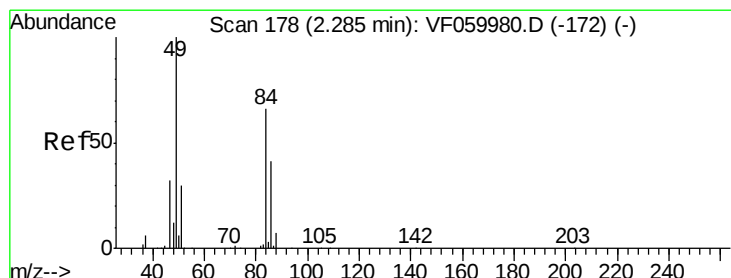
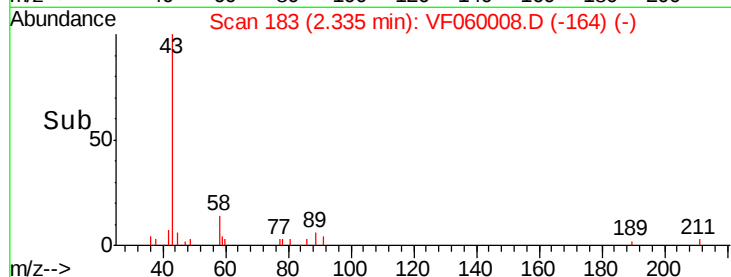
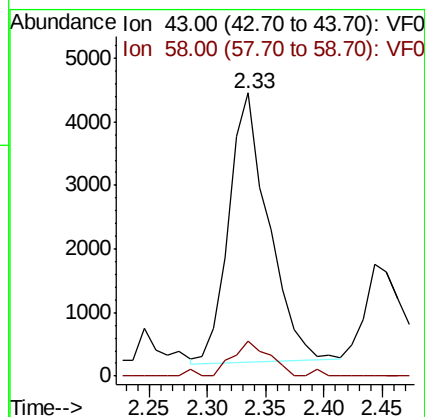
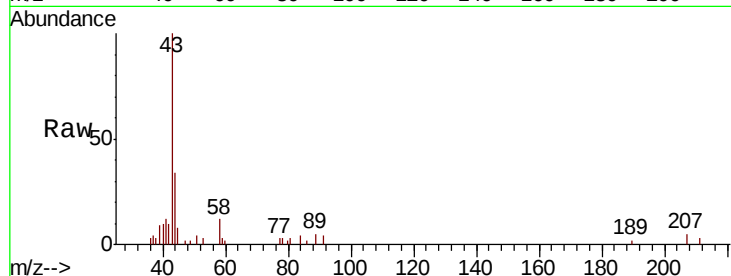
MS-RO-27186

Tot Ion: 43 Resp: 10016

Ion Ratio Lower Upper

43 100

58 12.5 11.9 17.9



#20

Methylene Chloride

Concen: 1.71 ug/l

RT: 2.29 min Scan# 178

Delta R.T. 0.00 min

Lab File: VF060008.D

Acq: 20 Aug 2018 18:00

Tgt Ion: 84 Resp: 6105

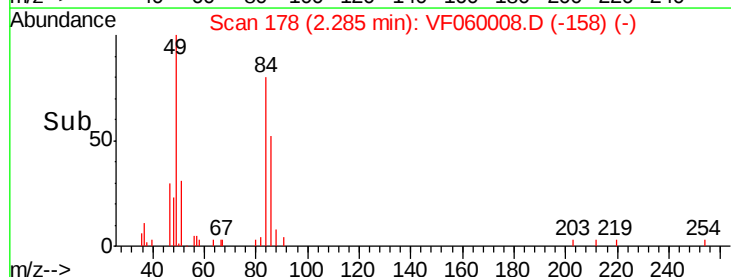
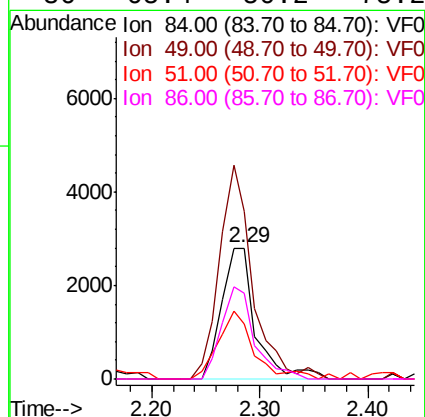
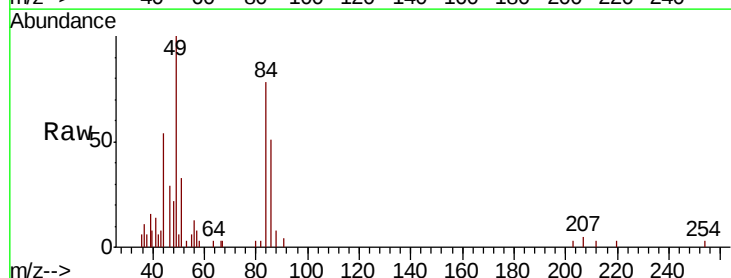
Ion Ratio Lower Upper

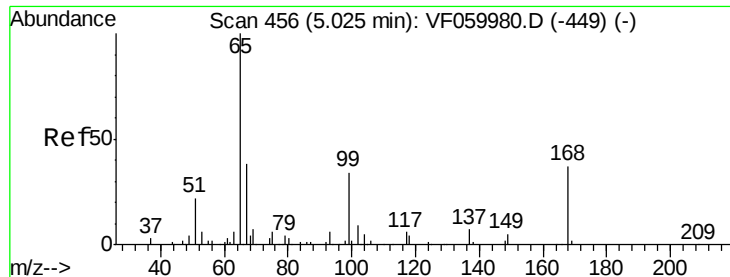
84 100

49 128.4 122.5 183.7

51 42.5 37.1 55.7

86 65.4 50.2 75.2





#33

1,2-Dichloroethane-d4

Concen: 53.31 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF060008.D

Acq: 20 Aug 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

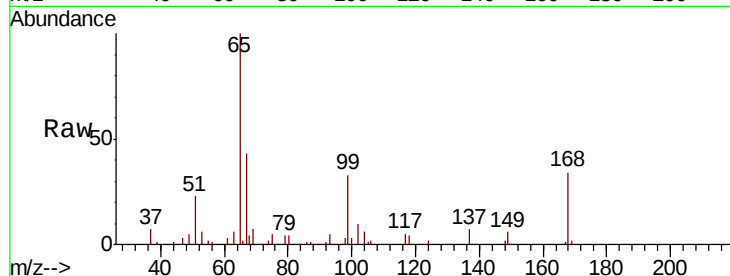
MS-RO-27186

Tot Ion: 65 Resp: 104148

Ion Ratio Lower Upper

65 100

67 42.8 0.0 82.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.02

40000

30000

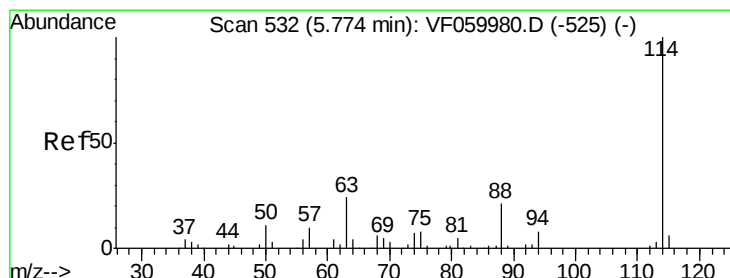
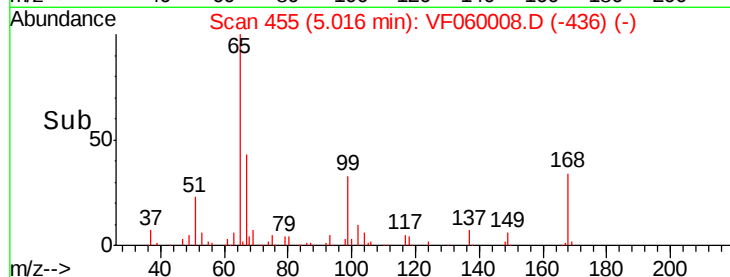
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060008.D

Acq: 20 Aug 2018 18:00

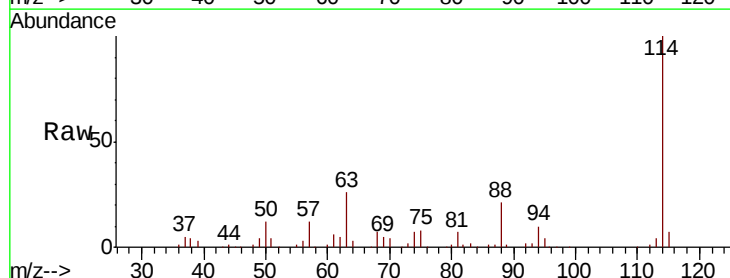
Tgt Ion: 114 Resp: 133874

Ion Ratio Lower Upper

114 100

63 26.1 0.0 48.6

88 20.8 0.0 42.8



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

5.77

60000

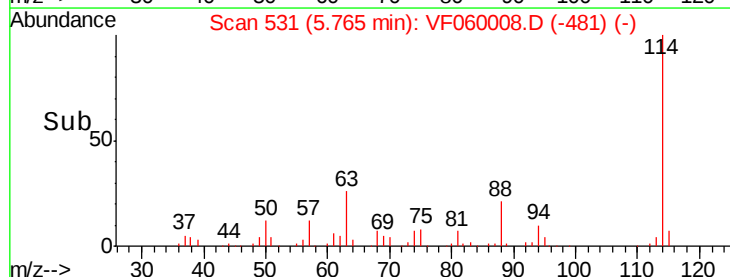
40000

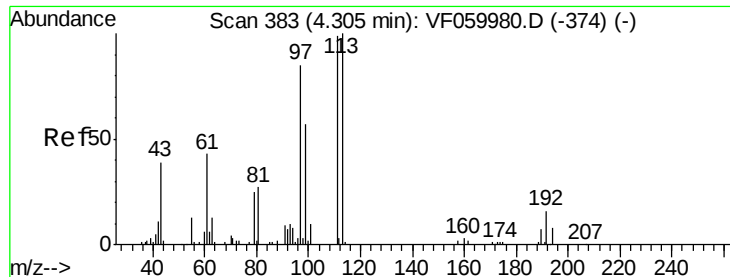
20000

0

5.60 5.70 5.80 5.90 6.00

Time-->





#35

Dibromofluoromethane

Concen: 63.17 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF060008.D

Acq: 20 Aug 2018 18:00

Instrument :
MSVOA_F
ClientSampleId :
MS-RO-27186

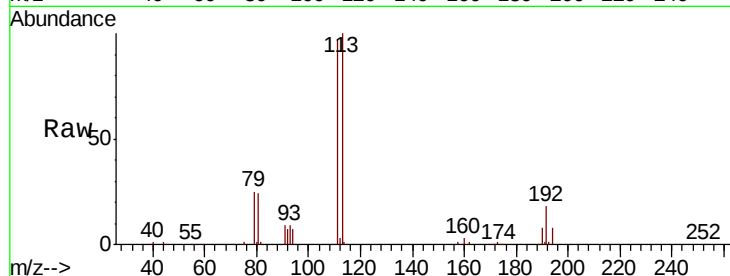
Tot Ion:113 Resp: 86433

Ion Ratio Lower Upper

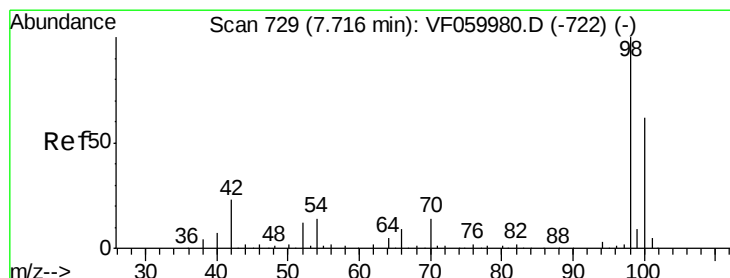
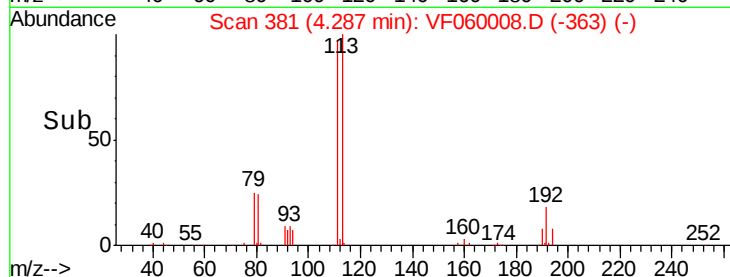
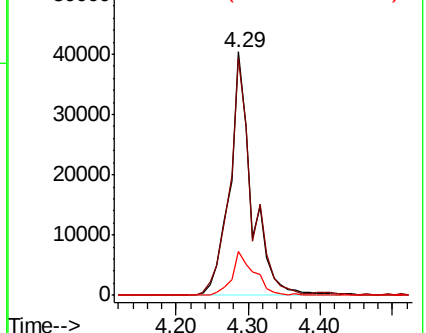
113 100

111 97.2 79.5 119.3

192 18.2 12.4 18.6



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: 42.68 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060008.D

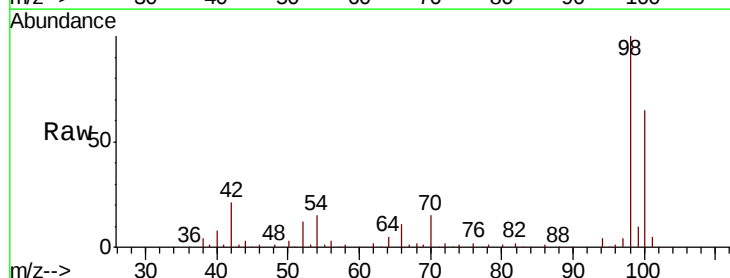
Acq: 20 Aug 2018 18:00

Tgt Ion: 98 Resp: 129851

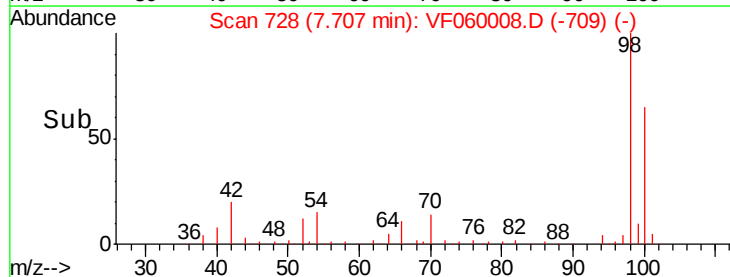
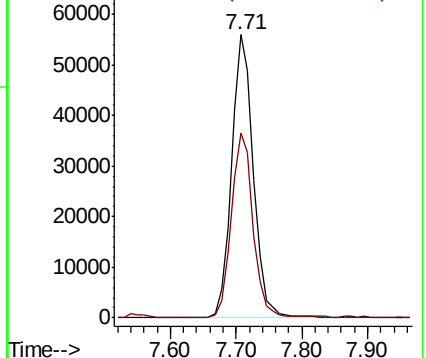
Ion Ratio Lower Upper

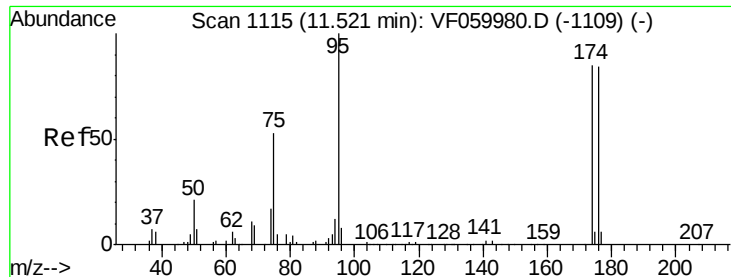
98 100

100 65.1 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 24.62 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060008.D

Acq: 20 Aug 2018 18:00

Instrument :

MSVOA_F

ClientSampleId :

MS-RO-27186

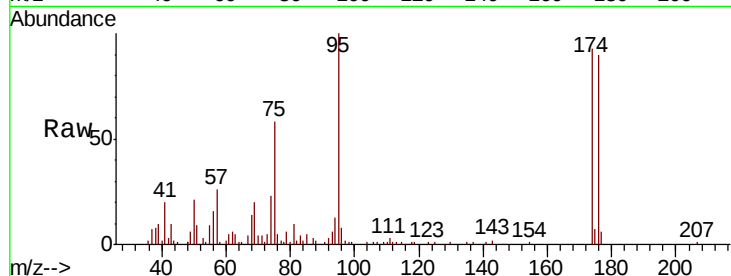
Tot Ion: 95 Resp: 45974

Ion Ratio Lower Upper

95 100

174 93.4 0.0 169.8

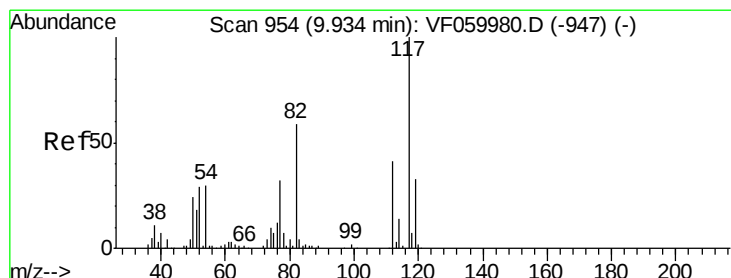
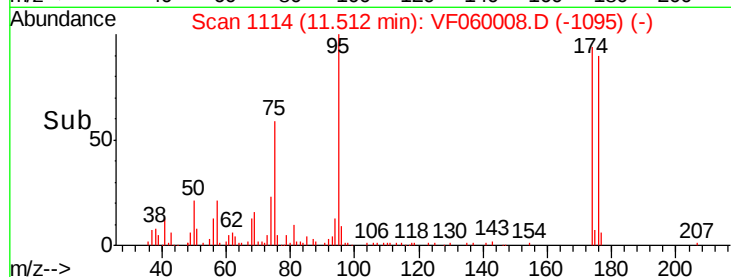
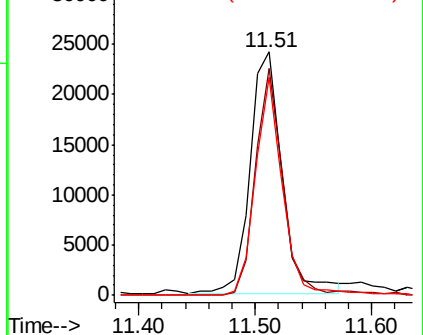
176 89.7 0.0 167.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF060008.D

Acq: 20 Aug 2018 18:00

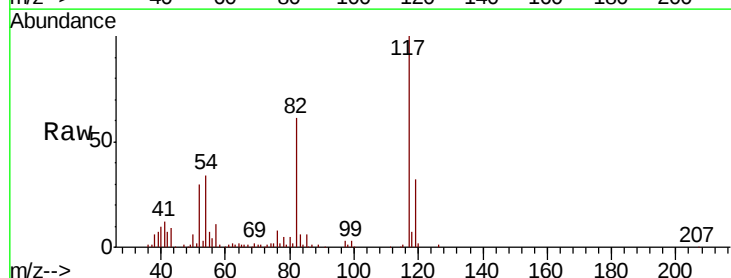
Tgt Ion: 117 Resp: 97249

Ion Ratio Lower Upper

117 100

82 60.5 47.2 70.8

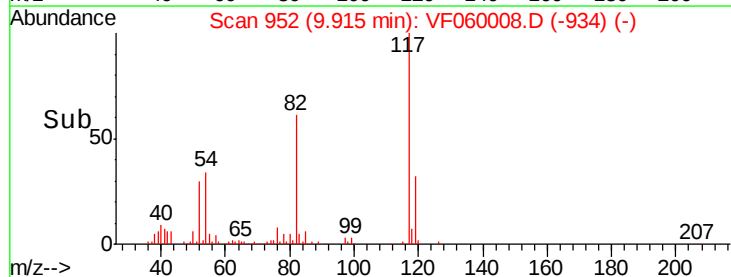
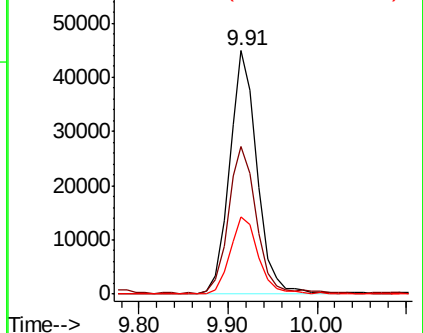
119 31.6 26.1 39.1

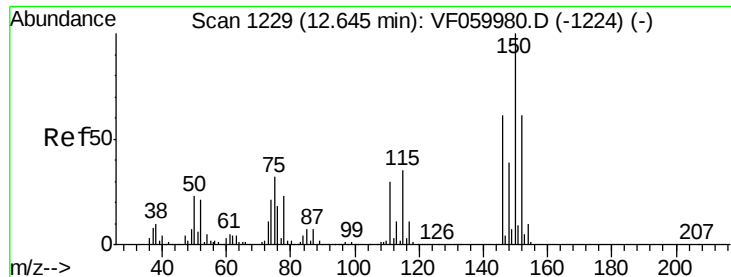


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



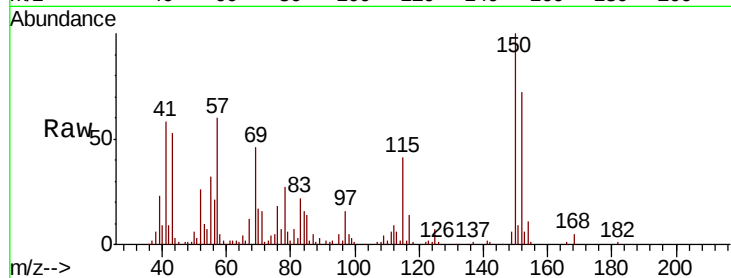


#72

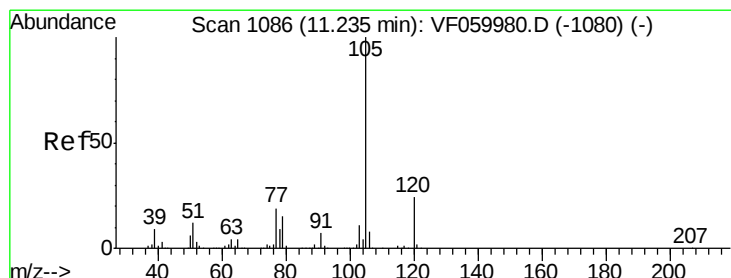
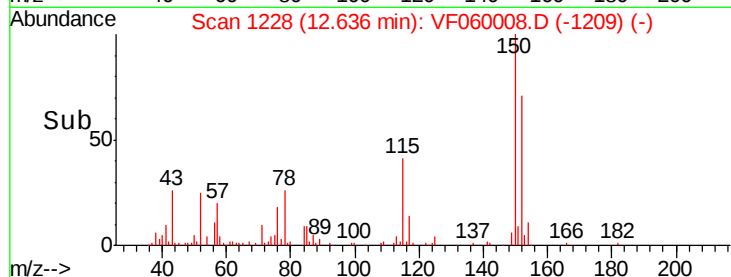
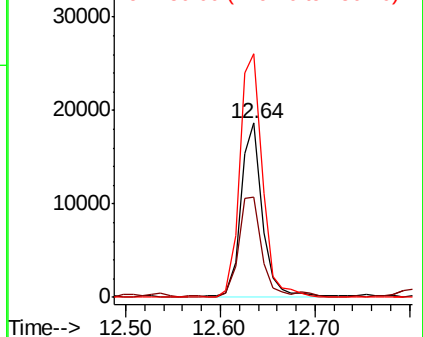
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF060008.D
Acq: 20 Aug 2018 18:00

Instrument :
MSVOA_F
ClientSampleId :
MS-RO-27186

Tot Ion:152 Resp: 29617
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 139.7 0.0 330.2



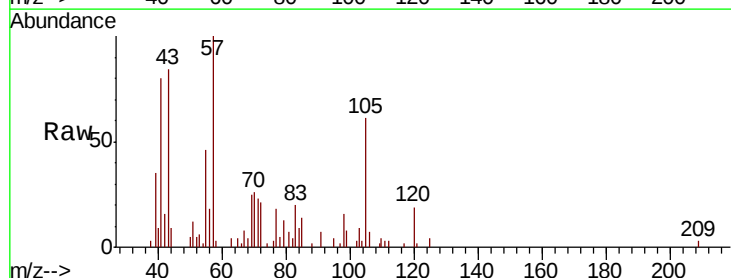
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



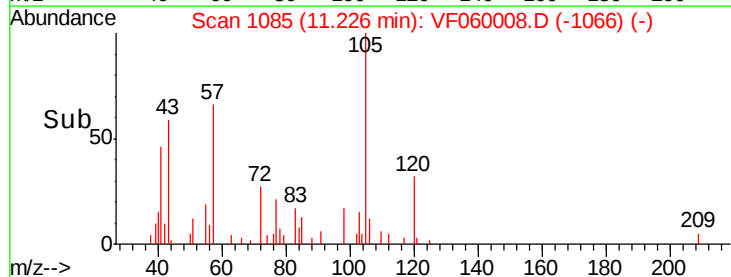
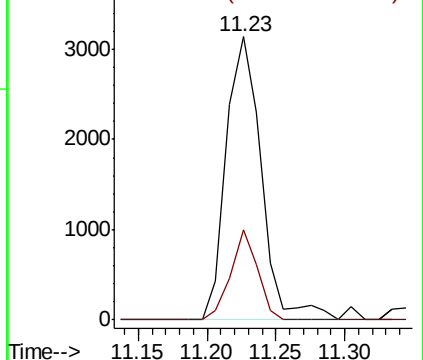
#73

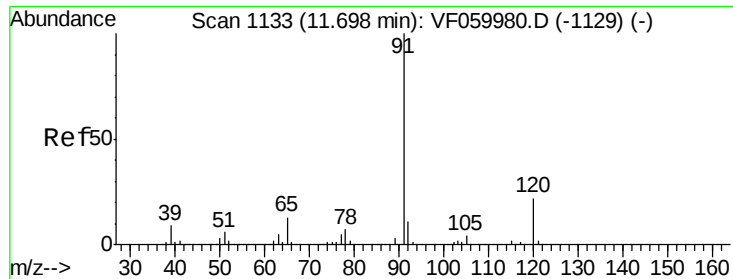
Isopropylbenzene
Concen: 3.14 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VF060008.D
Acq: 20 Aug 2018 18:00

Tgt Ion:105 Resp: 5572
Ion Ratio Lower Upper
105 100
120 31.8 11.9 35.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

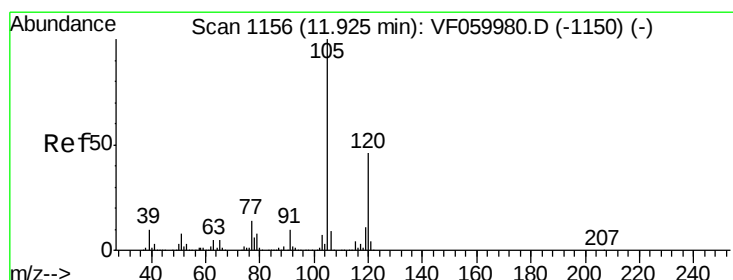
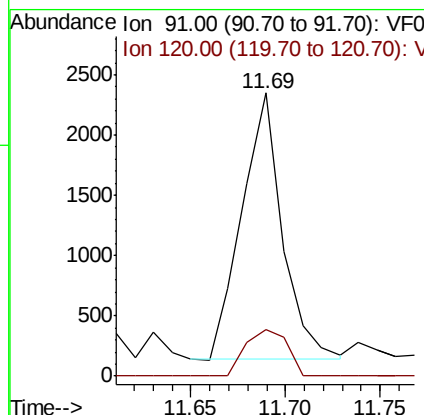
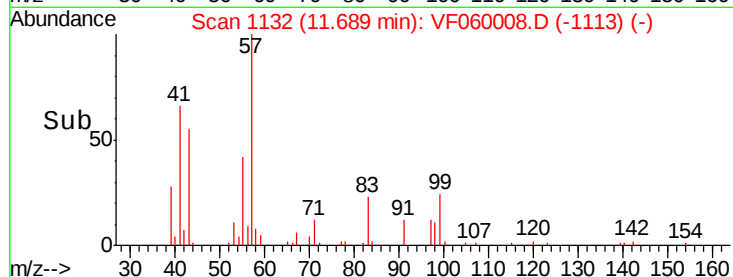
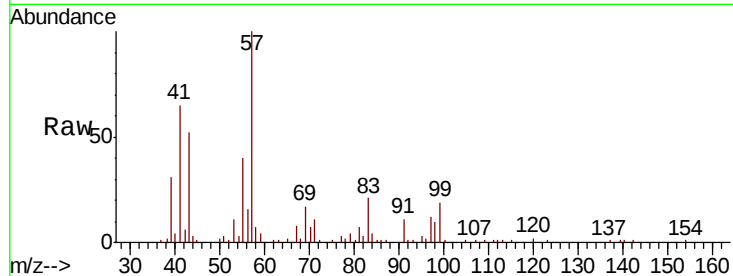




#78
 n-propylbenzene
 Concen: 1.48 ug/l
 RT: 11.69 min Scan# 1132
 Delta R.T. -0.01 min
 Lab File: VF060008.D
 Acq: 20 Aug 2018 18:00

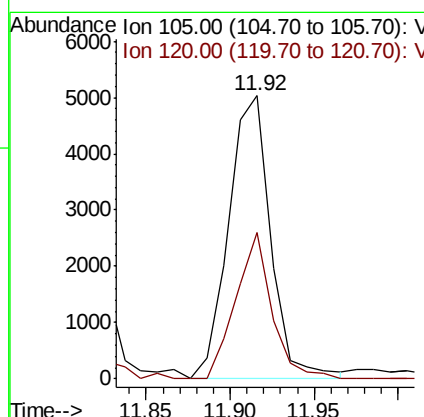
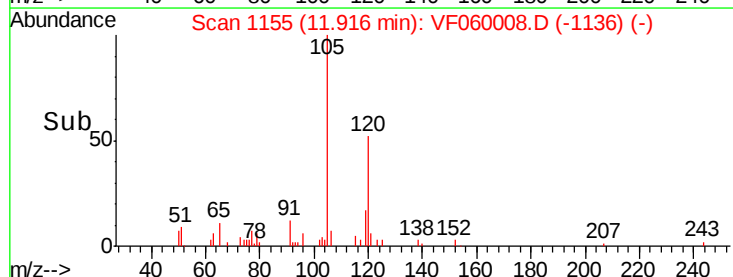
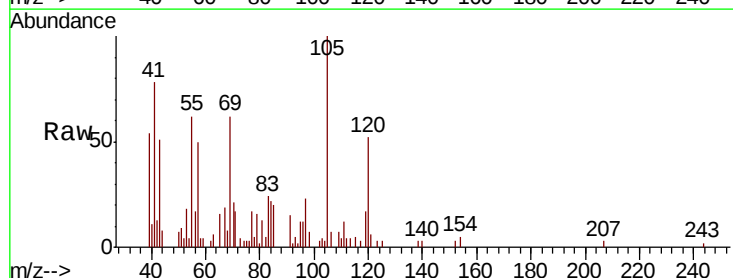
Instrument :
 MSVOA_F
 ClientSampleId :
 MS-RO-27186

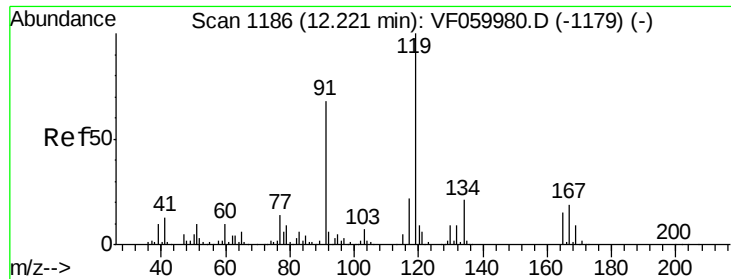
Tot Ion: 91 Resp: 3263
 Ion Ratio Lower Upper
 91 100
 120 16.6 11.0 33.0



#80
 1,3,5-Trimethylbenzene
 Concen: 5.45 ug/l
 RT: 11.92 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VF060008.D
 Acq: 20 Aug 2018 18:00

Tgt Ion:105 Resp: 8742
 Ion Ratio Lower Upper
 105 100
 120 51.8 22.9 68.7

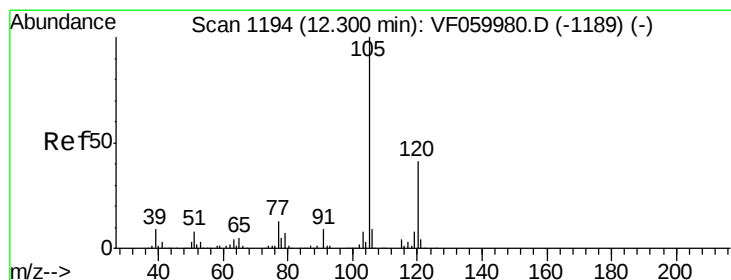
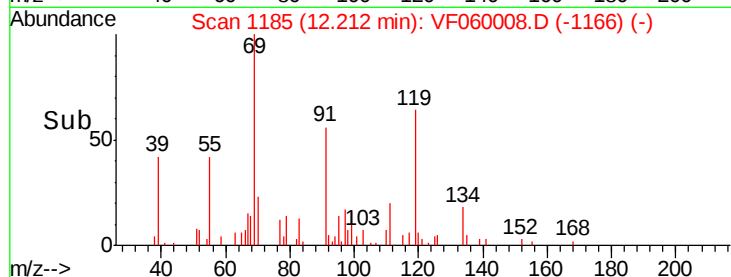
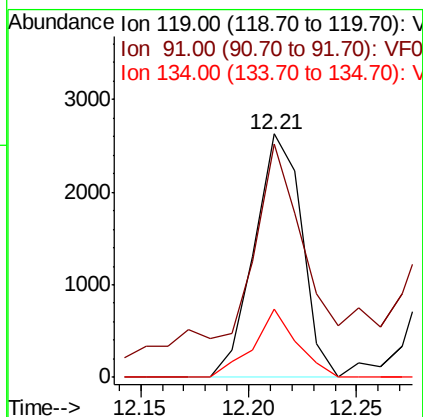
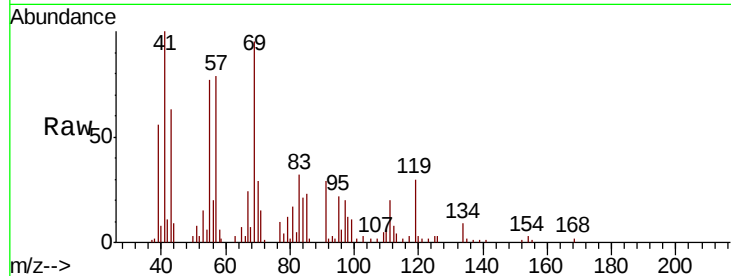




#83
 tert-Butylbenzene
 Concen: 2.56 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060008.D
 Acq: 20 Aug 2018 18:00

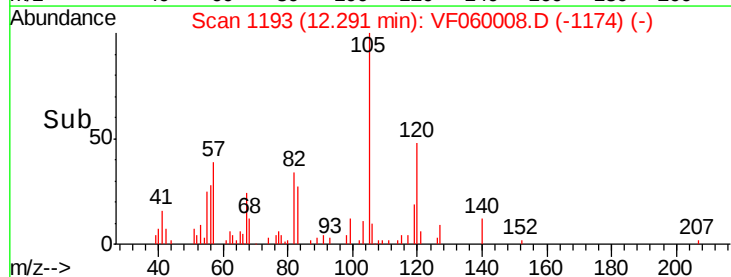
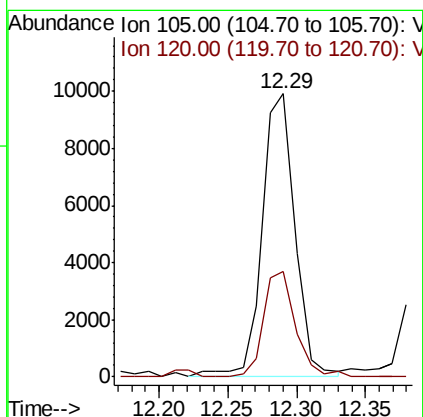
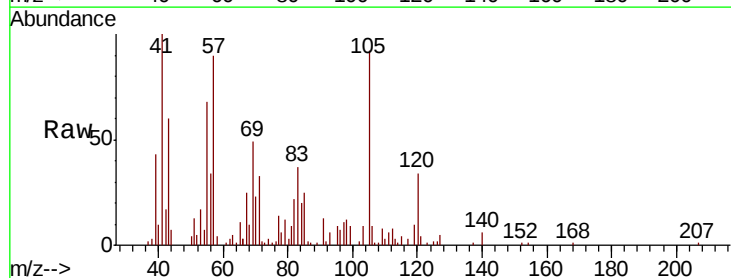
Instrument :
 MSVOA_F
 ClientSampleId :
 MS-RO-27186

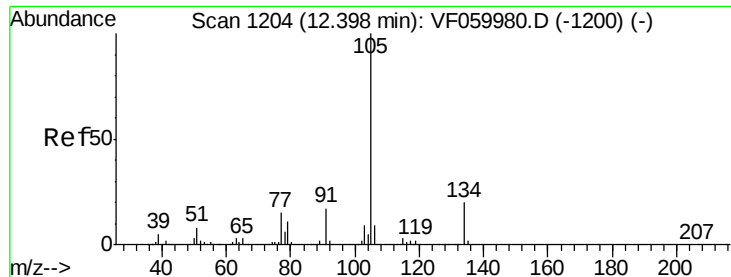
Tot Ion:119 Resp: 4033
 Ion Ratio Lower Upper
 119 100
 91 96.1 34.1 102.2
 134 28.3 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 9.79 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060008.D
 Acq: 20 Aug 2018 18:00

Tgt Ion:105 Resp: 16541
 Ion Ratio Lower Upper
 105 100
 120 37.2 20.9 62.7





#85
 sec-Butylbenzene
 Concen: 2.10 µg/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060008.D
 Acq: 20 Aug 2018 18:00

Instrument :
 MSVOA_F
 ClientSampleId :
 MS-RO-27186

Tot Ion:105 Resp: 4369
 Ion Ratio Lower Upper
 105 100
 134 22.3 9.8 29.5

