

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061112.D
 Acq On : 20 Dec 2018 17:11
 Operator : VA/AP
 Sample : J6377-13
 Misc : 3.25µ/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD005-0006-01

Quant Time: Dec 21 07:59:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	179678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	330313	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.78	117	230883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	84341	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	91776	39.71	ug/l	0.00
Spiked Amount			Recovery	=	79.42%	
35) Dibromofluoromethane	4.12	113	103263	39.03	ug/l	0.00
Spiked Amount			Recovery	=	78.06%	
50) Toluene-d8	7.57	98	234783	31.31	ug/l	0.00
Spiked Amount			Recovery	=	62.62%	
62) 4-Bromofluorobenzene	11.42	95	83677	24.21	ug/l	0.00
Spiked Amount			Recovery	=	48.42%	

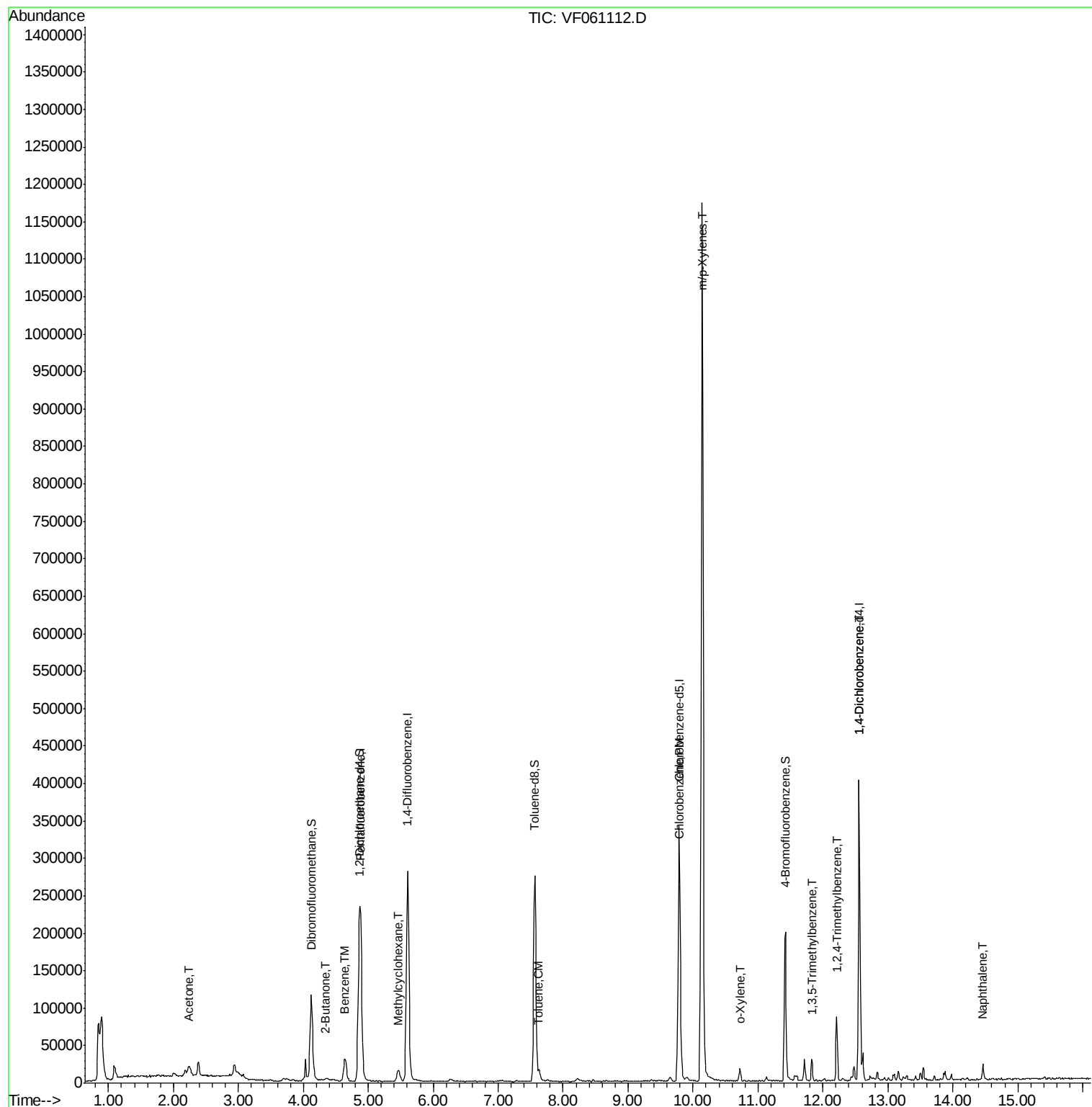
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.25	43	13005	28.150	ug/l	95
25) 2-Butanone	4.35	43	7509	10.022	ug/l #	89
39) Methylcyclohexane	5.47	83	8721	2.438	ug/l	88
40) Benzene	4.65	78	40827	4.762	ug/l	92
52) Toluene	7.63	92	6864	1.209	ug/l	97
65) Chlorobenzene	9.80	112	23702	4.969	ug/l	93
68) m/p-Xylenes	10.14	106	420788	137.600	ug/l	97
69) o-Xylene	10.72	106	6083	1.794	ug/l	91
80) 1,3,5-Trimethylbenzene	11.83	105	14302	2.390	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	42558	7.131	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	39044	13.590	ug/l	94
95) Naphthalene	14.46	128	12711	3.509	ug/l #	84

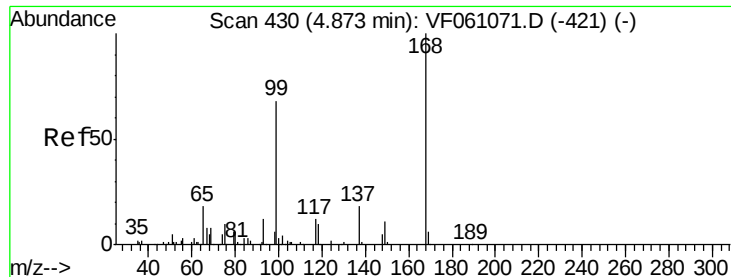
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122018\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061112.D

Acq: 20 Dec 2018 17:11

Instrument :

MSVOA_F

ClientSampleId :

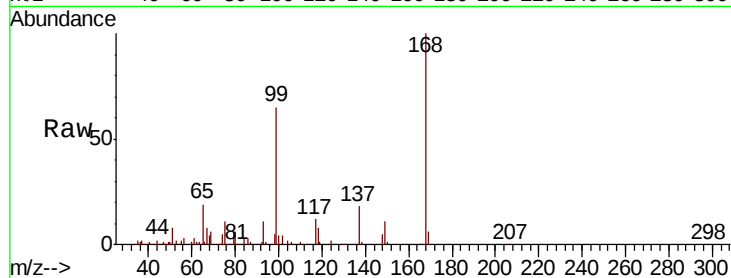
P001-SD005-0006-01

Tot Ion:168 Resp: 179678

Ion Ratio Lower Upper

168 100

99 65.4 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

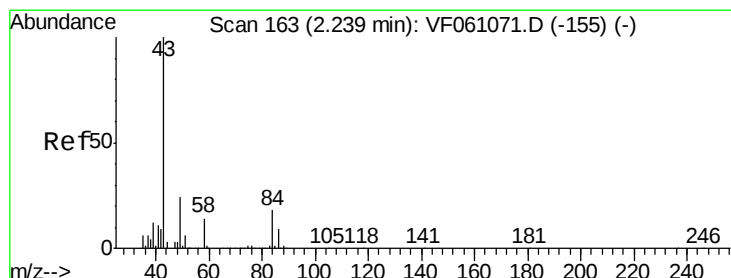
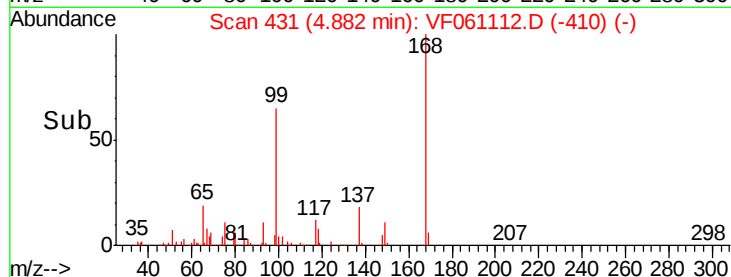
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 28.150 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061112.D

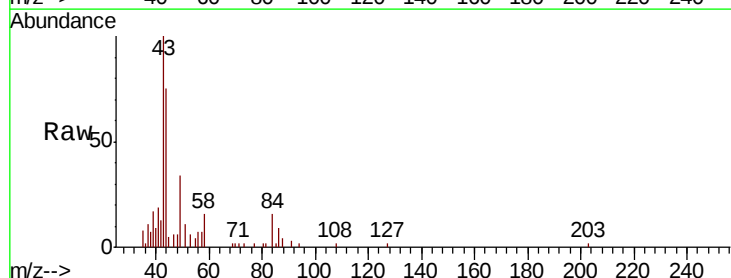
Acq: 20 Dec 2018 17:11

Tgt Ion: 43 Resp: 13005

Ion Ratio Lower Upper

43 100

58 15.9 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

6000

5000

4000

3000

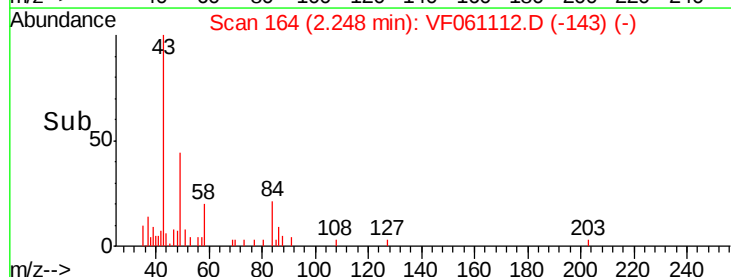
2000

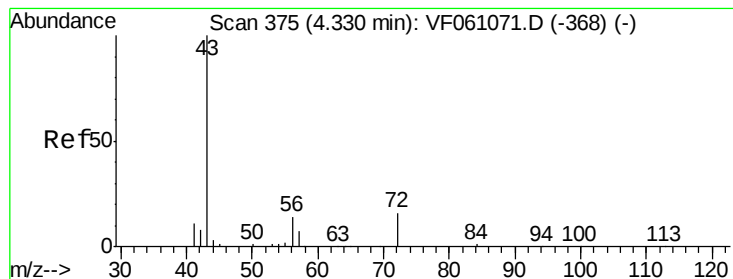
1000

0

Time-->

2.20 2.25 2.30





#25

2-Butanone

Concen: 10.022 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061112.D

Acq: 20 Dec 2018 17:11

Instrument :

MSVOA_F

ClientSampleId :

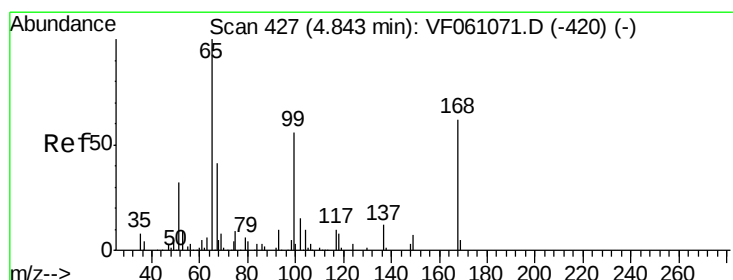
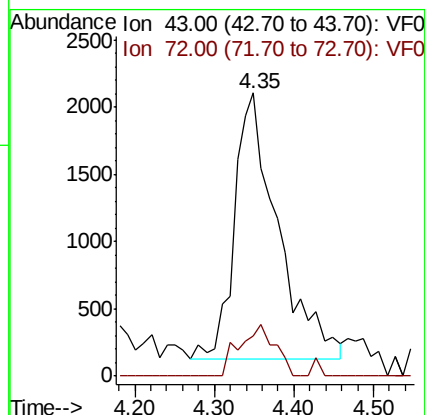
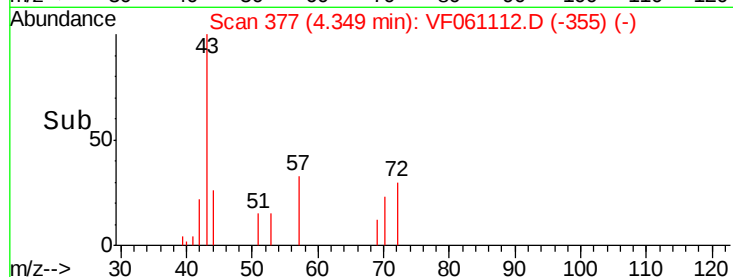
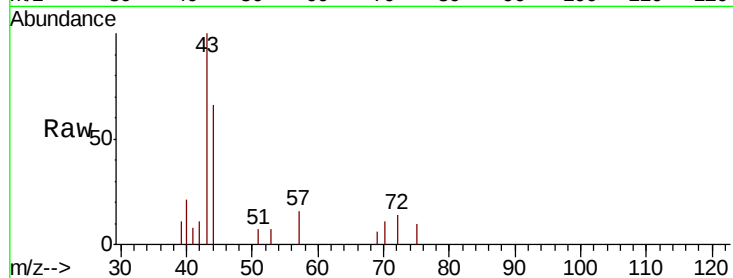
P001-SD005-0006-01

Tot Ion: 43 Resp: 7509

Ion Ratio Lower Upper

43 100

72 14.4 15.6 23.4#



#33

1,2-Dichloroethane-d4

Concen: 39.713 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.01 min

Lab File: VF061112.D

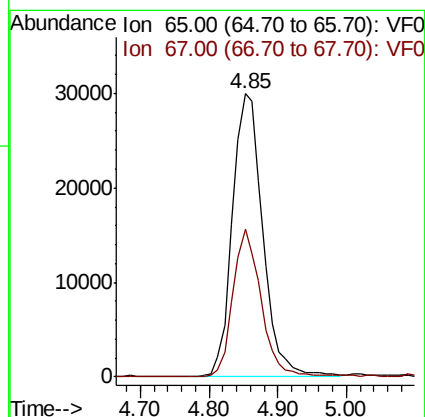
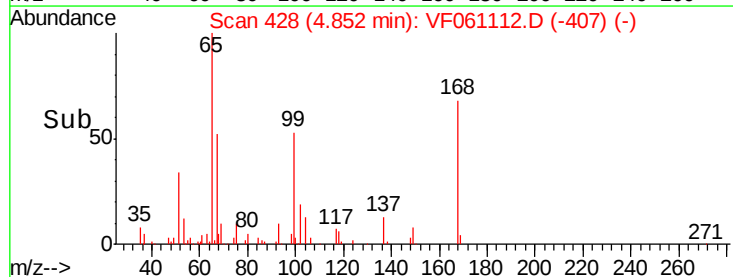
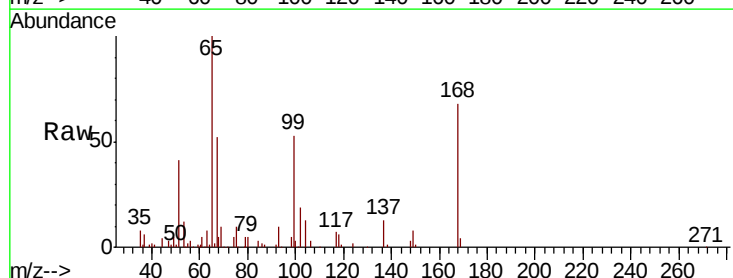
Acq: 20 Dec 2018 17:11

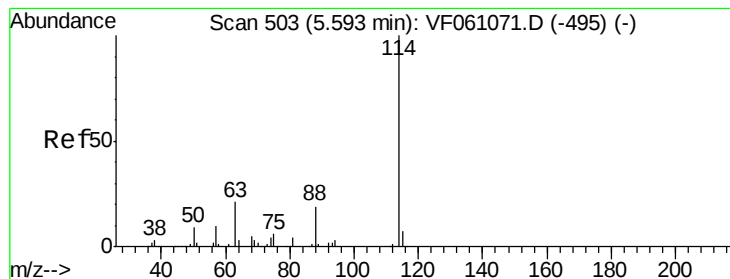
Tgt Ion: 65 Resp: 91776

Ion Ratio Lower Upper

65 100

67 52.1 0.0 94.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.02 min

Lab File: VF061112.D

Acq: 20 Dec 2018 17:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SD005-0006-01

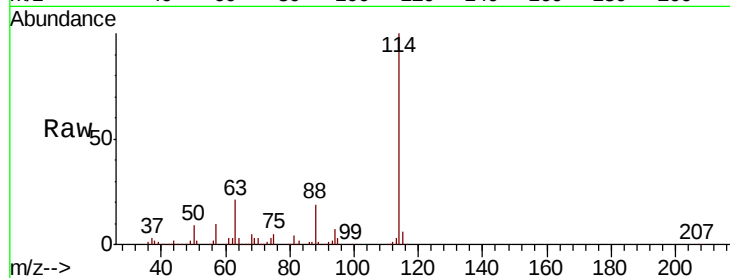
Tot Ion:114 Resp: 330313

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.6

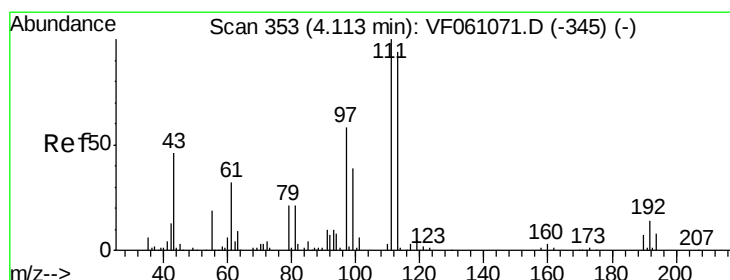
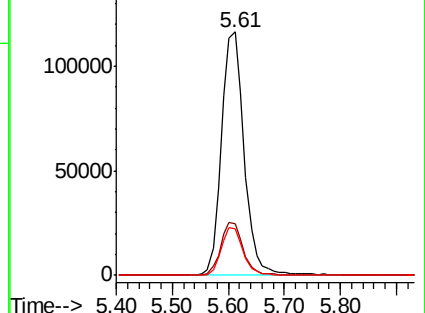
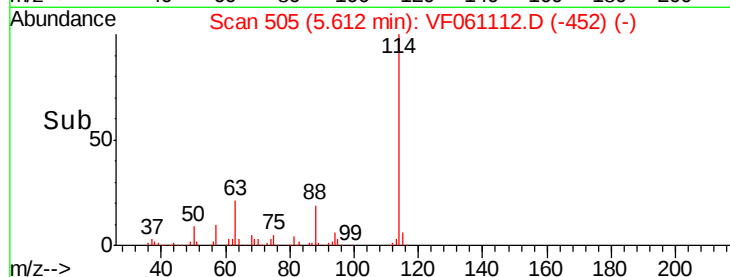
88 19.1 0.0 38.0



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: 39.026 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061112.D

Acq: 20 Dec 2018 17:11

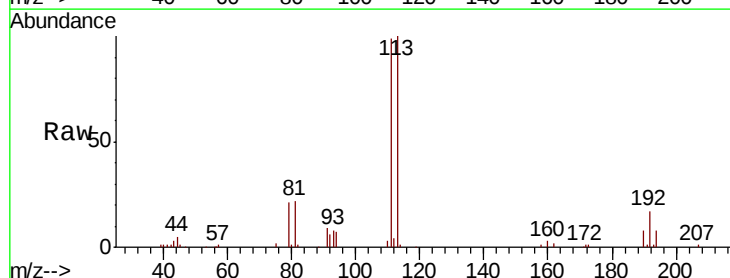
Tgt Ion:113 Resp: 103263

Ion Ratio Lower Upper

113 100

111 99.2 85.2 127.8

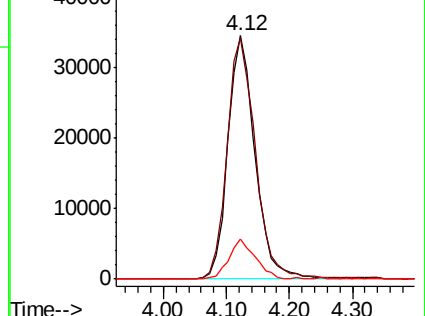
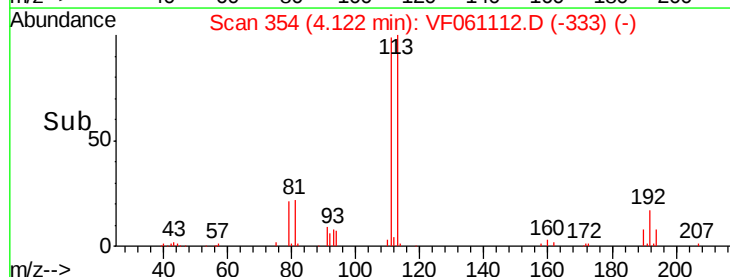
192 16.7 12.8 19.2

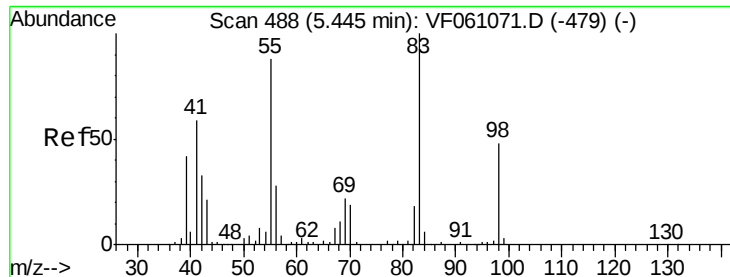


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

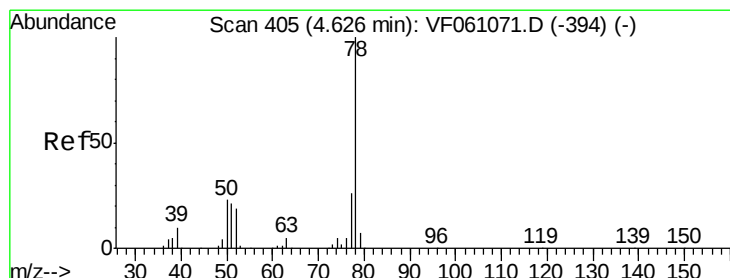
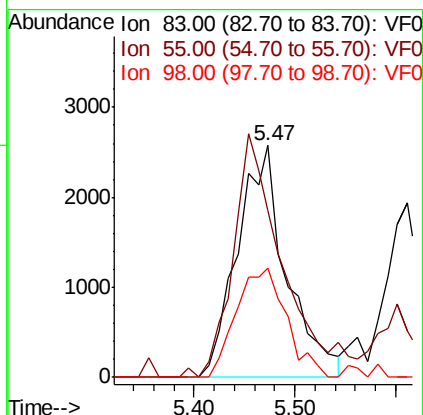
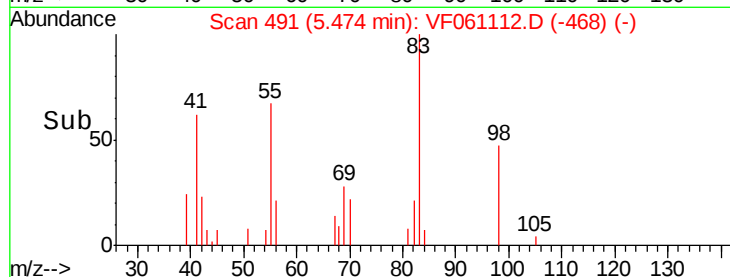
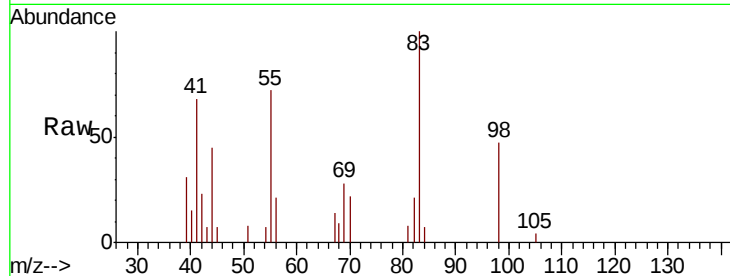




#39
Methvlcvclohexane
Concen: 2.438 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.03 min
Lab File: VF061112.D
Acq: 20 Dec 2018 17:11

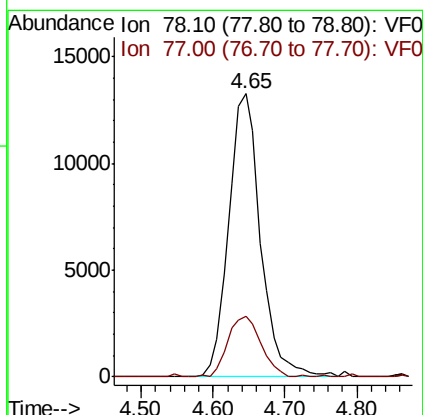
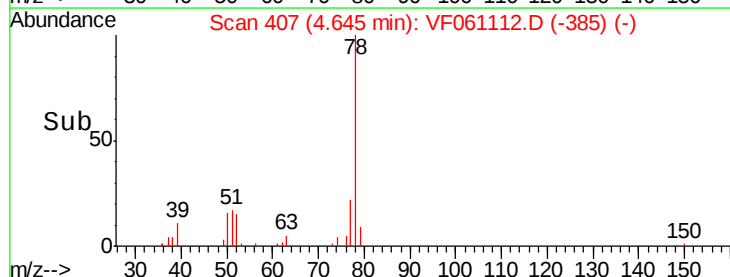
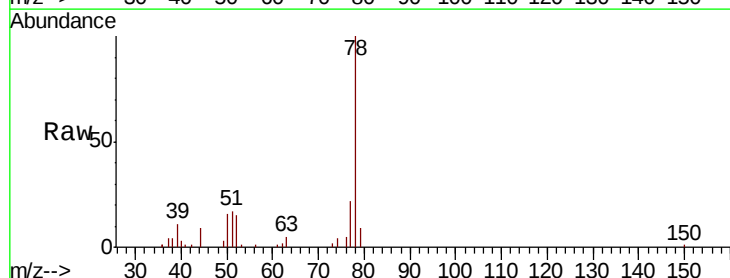
Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0006-01

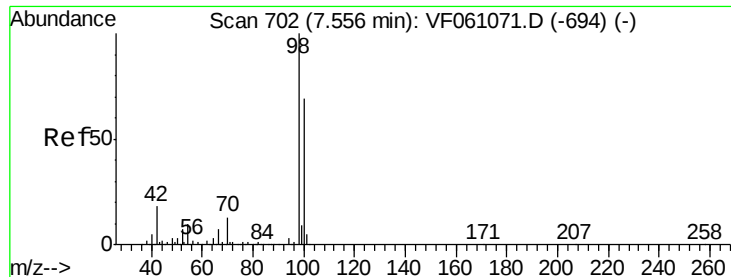
Tot Ion: 83 Resp: 8721
Ion Ratio Lower Upper
83 100
55 71.7 70.6 105.8
98 47.1 38.5 57.7



#40
Benzene
Concen: 4.762 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061112.D
Acq: 20 Dec 2018 17:11

Tgt Ion: 78 Resp: 40827
Ion Ratio Lower Upper
78 100
77 21.6 20.7 31.1





#50

Toluene-d8

Concen: 31.311 ug/l

RT: 7.57 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF061112.D

Acq: 20 Dec 2018 17:11

Instrument :

MSVOA_F

ClientSampleId :

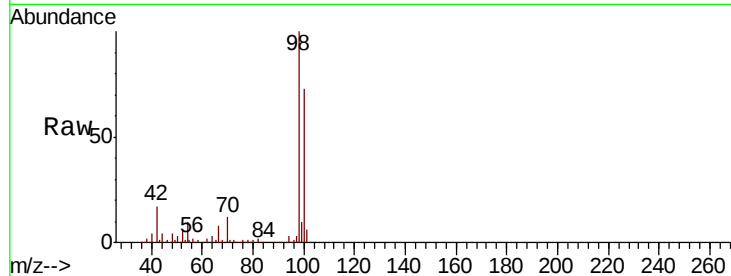
P001-SD005-0006-01

Tot Ion: 98 Resp: 234783

Ion Ratio Lower Upper

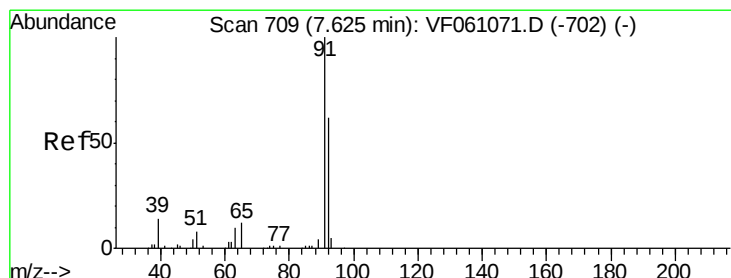
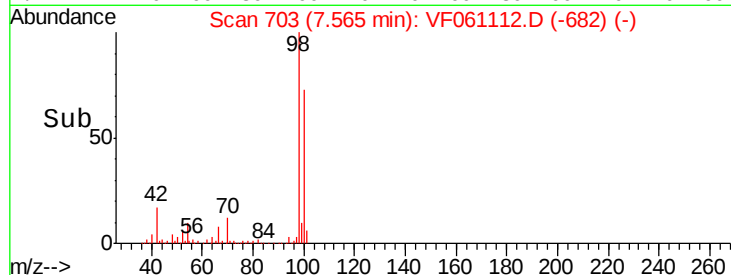
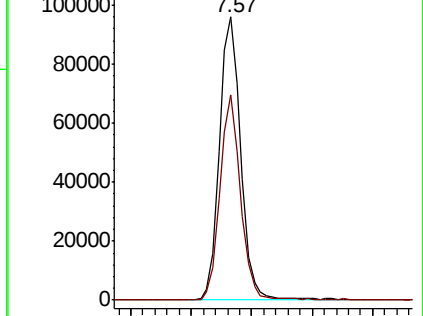
98 100

100 72.5 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: 1.209 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061112.D

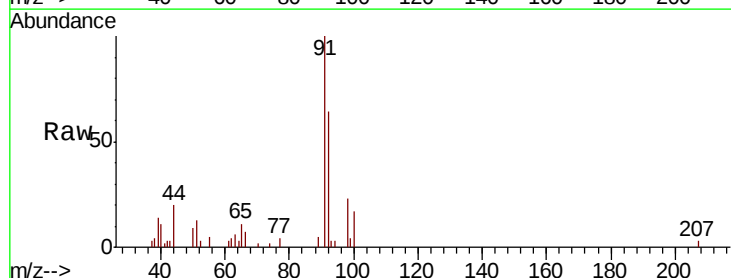
Acq: 20 Dec 2018 17:11

Tgt Ion: 92 Resp: 6864

Ion Ratio Lower Upper

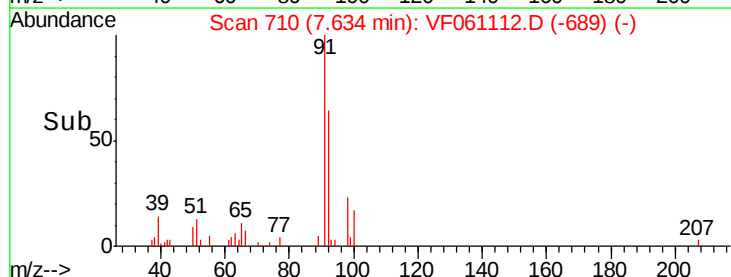
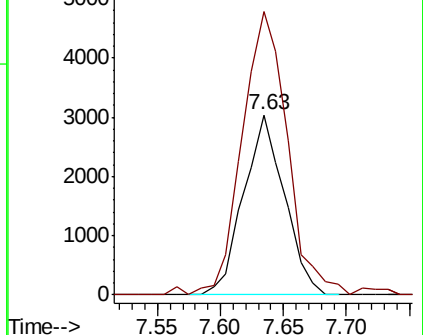
92 100

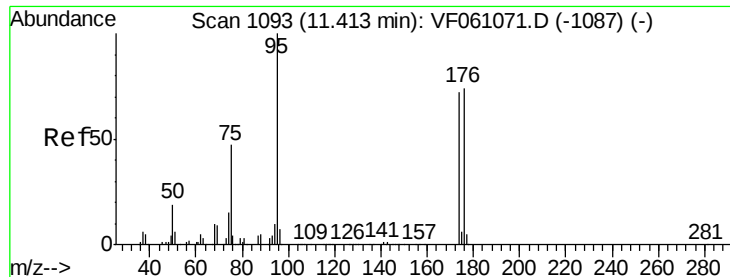
91 157.3 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#62

4-Bromofluorobenzene

Concen: 24.206 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061112.D

Acq: 20 Dec 2018 17:11

Instrument :

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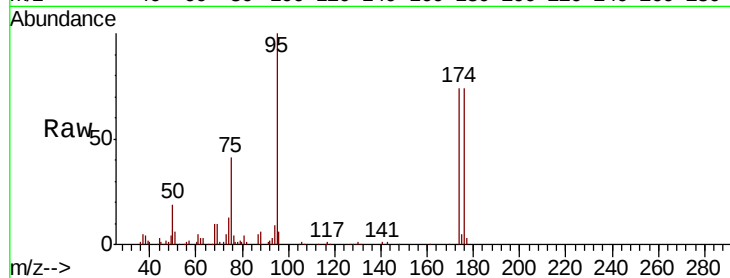
Tot Ion: 95 Resp: 83677

Ion Ratio Lower Upper

95 100

174 73.7 0.0 143.8

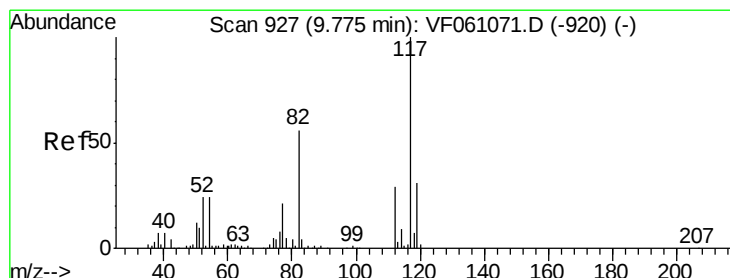
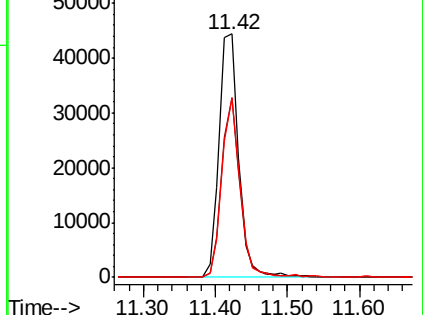
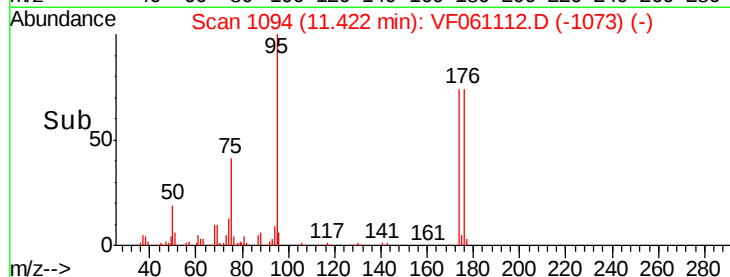
176 73.6 0.0 147.6



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: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. 0.01 min

Lab File: VF061112.D

Acq: 20 Dec 2018 17:11

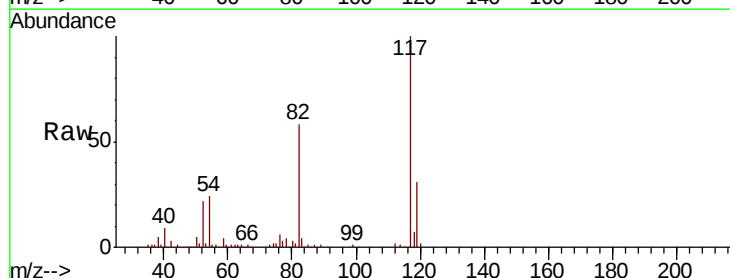
Tgt Ion: 117 Resp: 230883

Ion Ratio Lower Upper

117 100

82 57.9 45.0 67.4

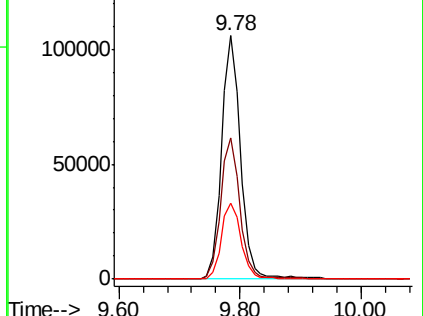
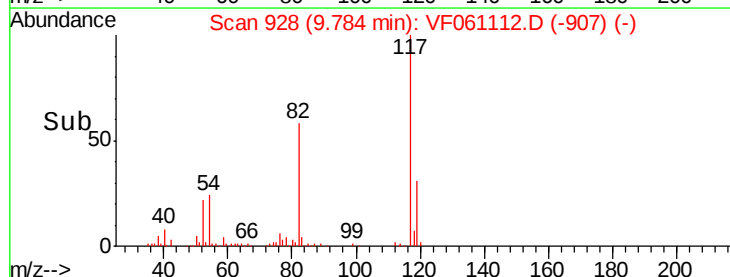
119 31.2 24.8 37.2

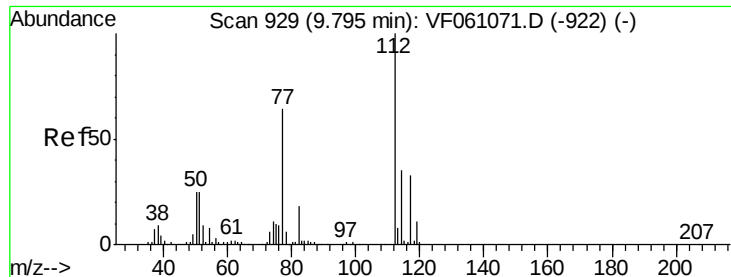


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

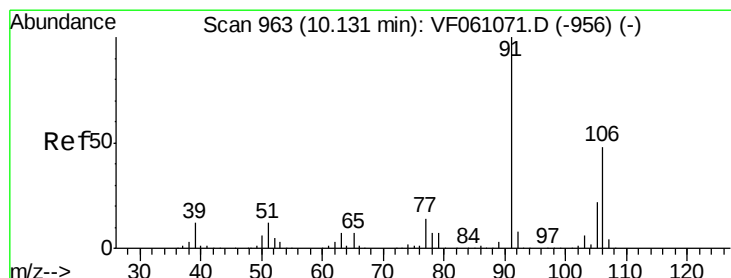
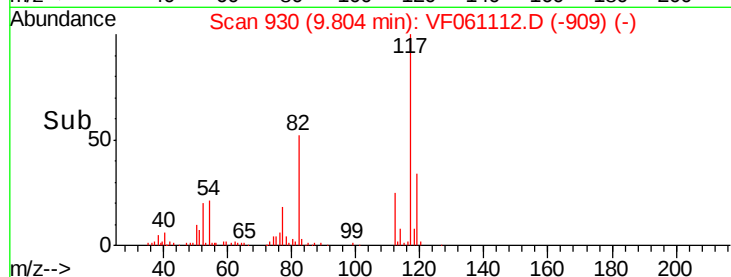
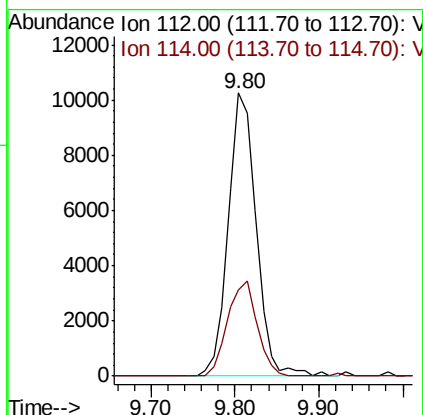
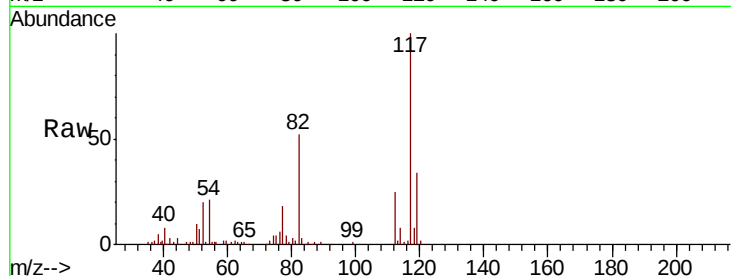




#65
Chlorobenzene
Concen: 4.969 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061112.D
Acq: 20 Dec 2018 17:11

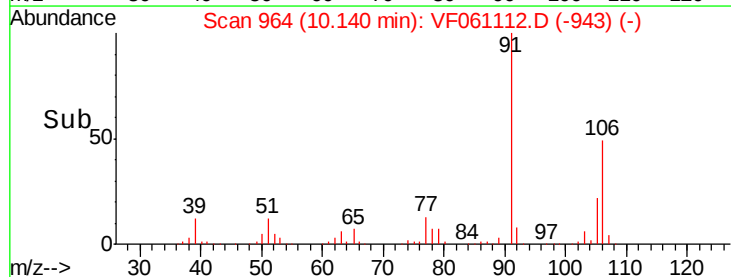
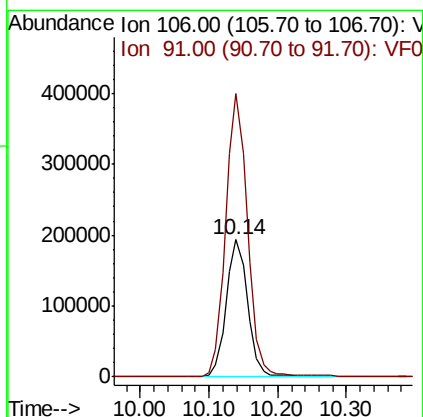
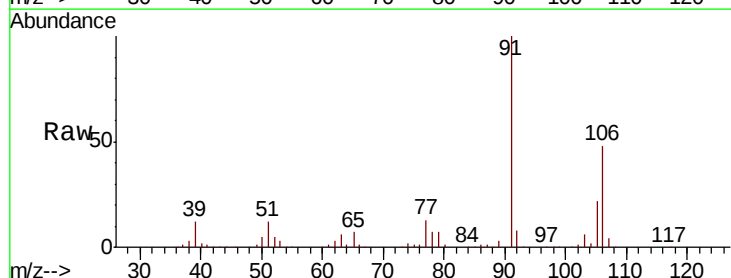
Instrument :
MSVOA_F
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P001-SD005-0006-01

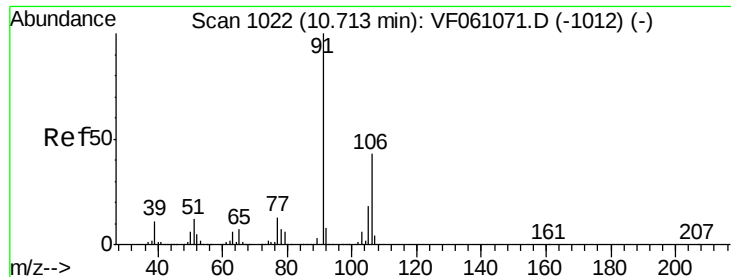
Tot Ion:112 Resp: 23702
Ion Ratio Lower Upper
112 100
114 30.4 27.8 41.6



#68
m/p-Xylenes
Concen: 137.600 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061112.D
Acq: 20 Dec 2018 17:11

Tgt Ion:106 Resp: 420788
Ion Ratio Lower Upper
106 100
91 206.3 168.2 252.2

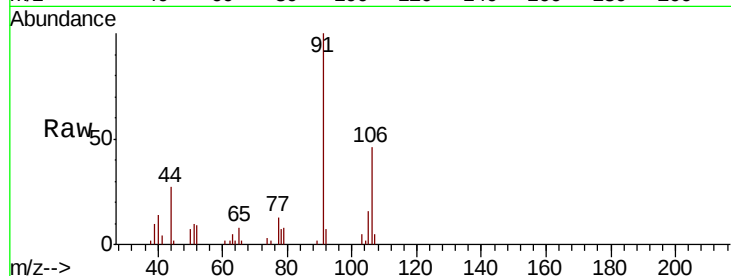




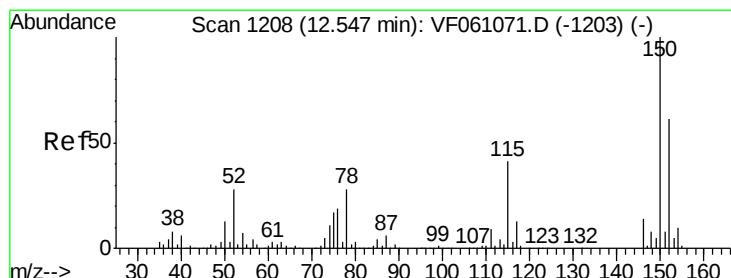
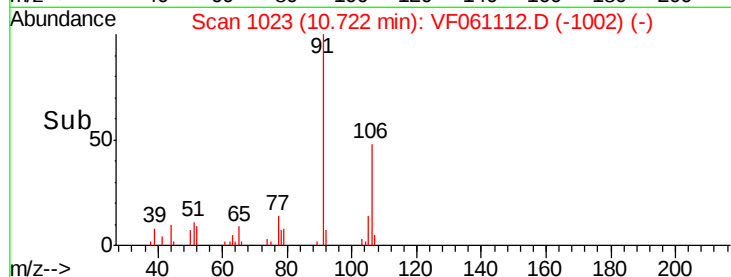
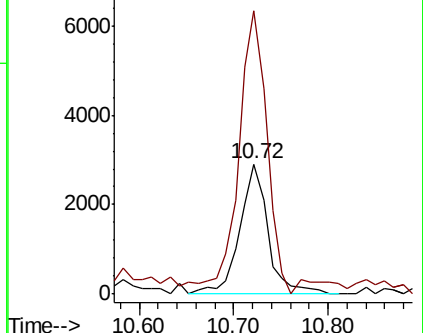
#69
o-Xylene
Concen: 1.794 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061112.D
Acq: 20 Dec 2018 17:11

Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0006-01

Tot Ion:106 Resp: 6083
Ion Ratio Lower Upper
106 100
91 217.5 115.9 347.7

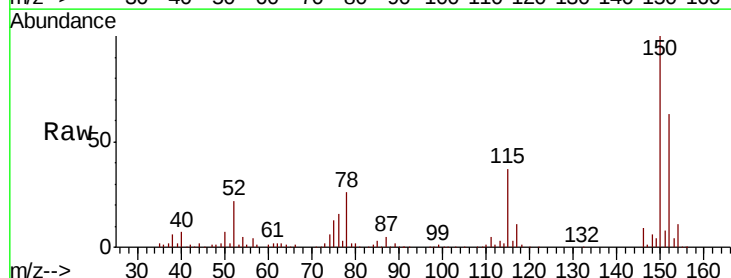


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

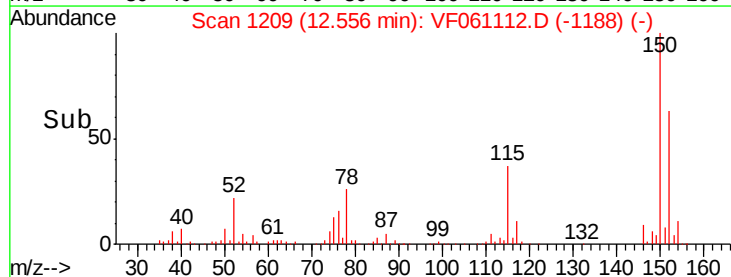
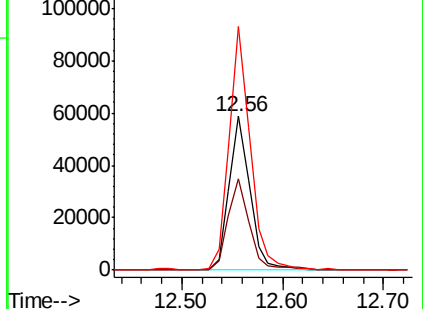


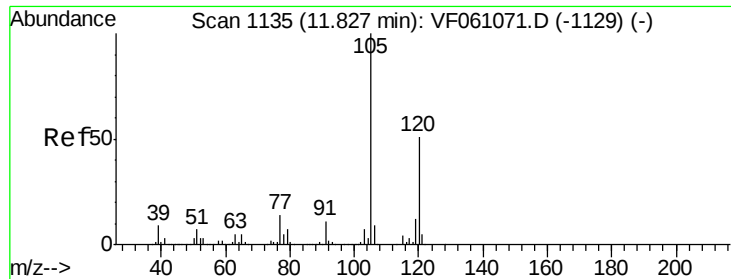
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061112.D
Acq: 20 Dec 2018 17:11

Tgt Ion:152 Resp: 84341
Ion Ratio Lower Upper
152 100
115 59.4 33.3 99.9
150 158.7 0.0 328.2



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

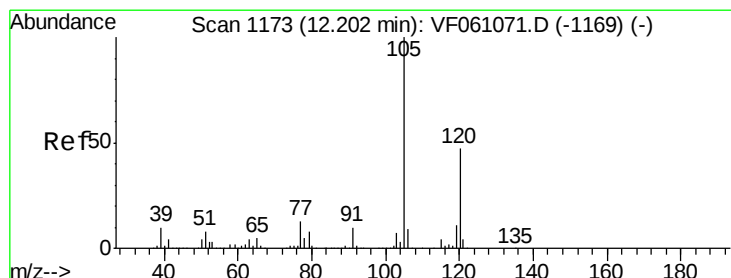
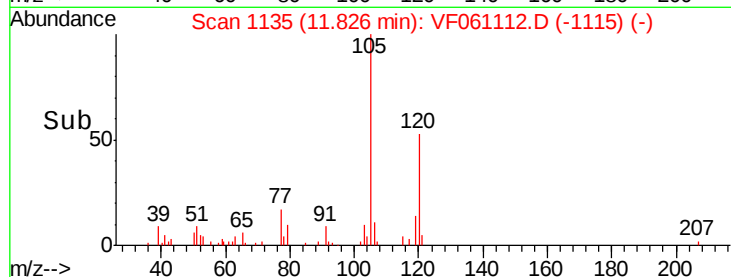
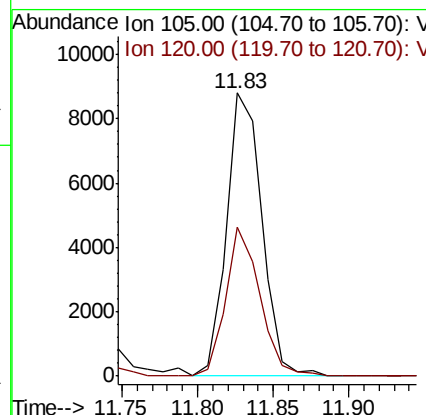
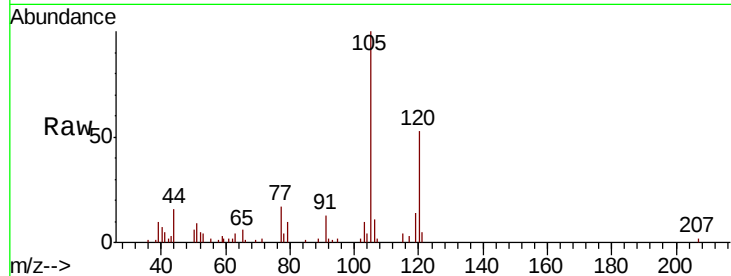




#80
 1,3,5-Trimethylbenzene
 Concen: 2.390 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF061112.D
 Acq: 20 Dec 2018 17:11

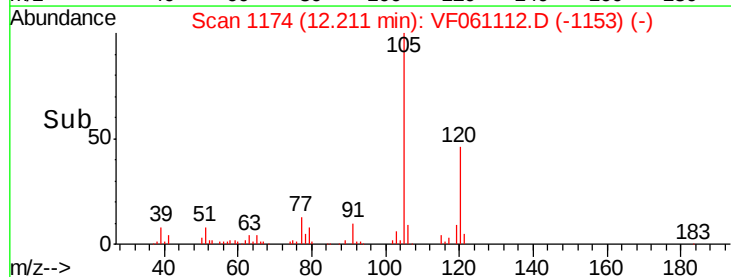
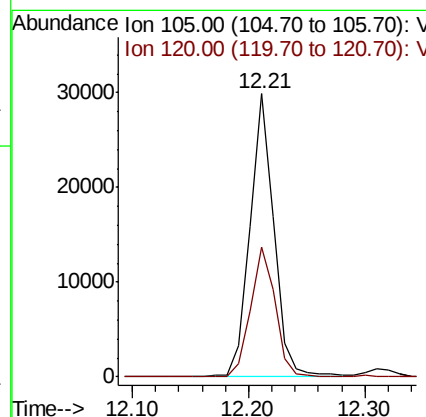
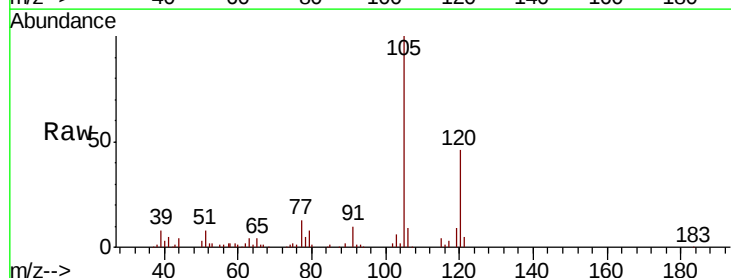
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD005-0006-01

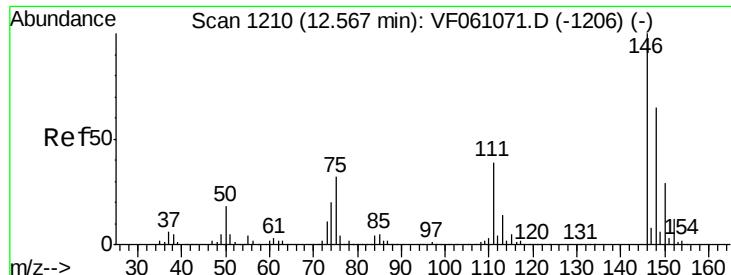
Tot Ion:105 Resp: 14302
 Ion Ratio Lower Upper
 105 100
 120 52.7 25.4 76.4



#84
 1,2,4-Trimethylbenzene
 Concen: 7.131 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061112.D
 Acq: 20 Dec 2018 17:11

Tgt Ion:105 Resp: 42558
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.6 71.0





#88

1,4-Dichlorobenzene

Concen: 13.590 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF061112.D

Acq: 20 Dec 2018 17:11

Instrument :

MSVOA_F

ClientSampleId :

P001-SD005-0006-01

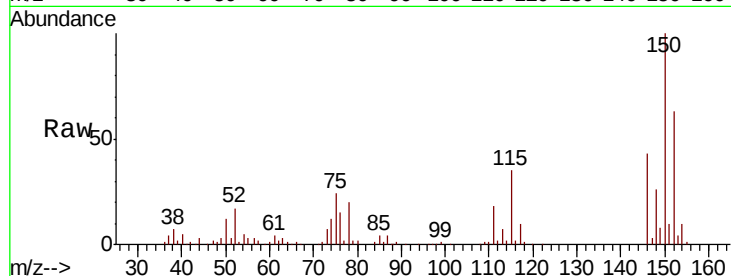
Tot Ion:146 Resp: 39044

Ion Ratio Lower Upper

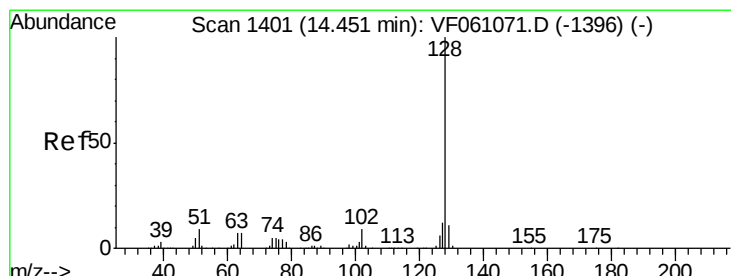
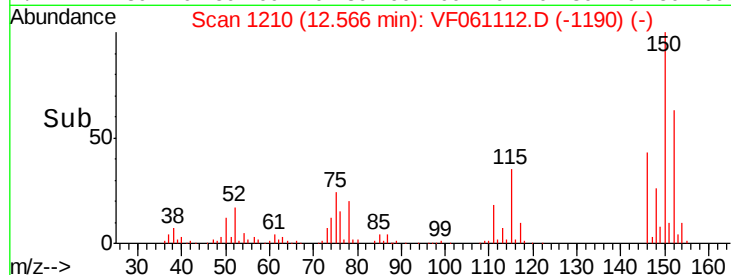
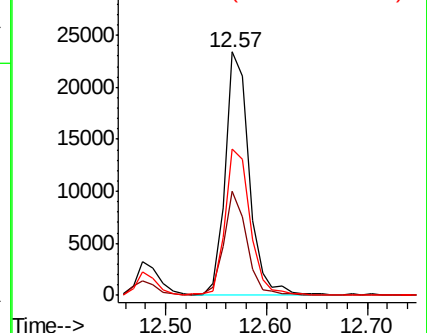
146 100

111 42.7 19.4 58.4

148 60.2 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#95

Naphthalene

Concen: 3.509 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061112.D

Acq: 20 Dec 2018 17:11

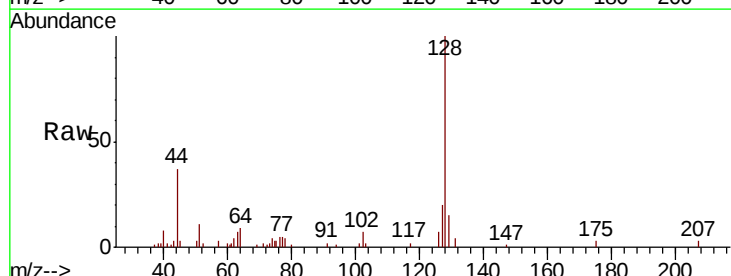
Tgt Ion:128 Resp: 12711

Ion Ratio Lower Upper

128 100

127 20.0 9.4 14.2#

129 14.7 8.8 13.2#



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

