

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061134.D
 Acq On : 21 Dec 2018 19:08
 Operator : VA/AP
 Sample : J6377-13RE
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Dec 22 00:13:55 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

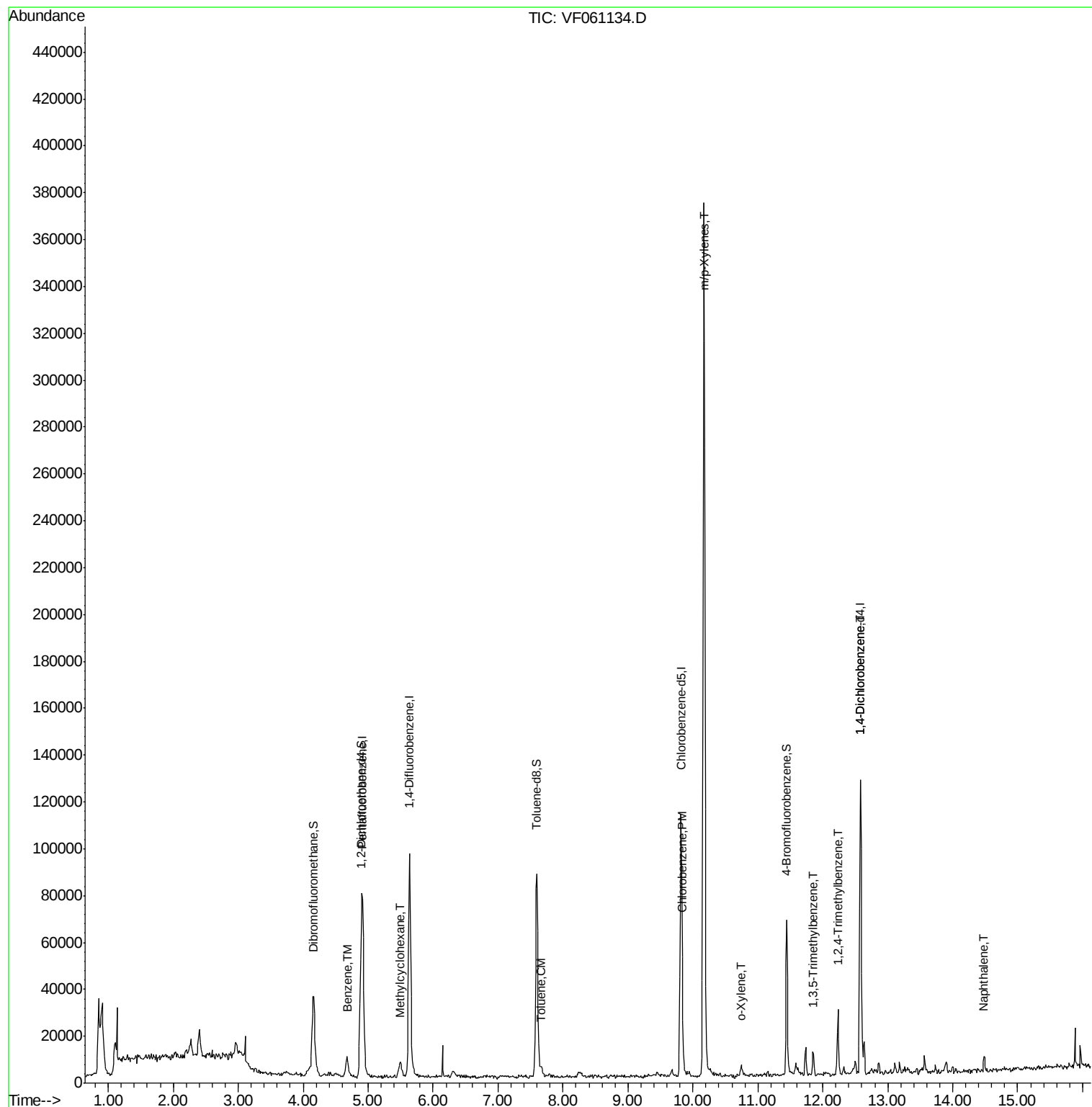
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	62286	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.64	114	103055	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.82	117	77075	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.58	152	26515	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	25174	31.42	ug/l	0.04
Spiked Amount 50.000			Recovery	=	62.84%	
35) Dibromofluoromethane	4.16	113	28860	34.96	ug/l	0.05
Spiked Amount 50.000			Recovery	=	69.92%	
50) Toluene-d8	7.60	98	73417	31.38	ug/l	0.04
Spiked Amount 50.000			Recovery	=	62.76%	
62) 4-Bromofluorobenzene	11.44	95	27149	25.17	ug/l	0.03
Spiked Amount 50.000			Recovery	=	50.34%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	5.50	83	4070	3.647	ug/l #	81
40) Benzene	4.68	78	10221	3.821	ug/l	92
52) Toluene	7.67	92	2026	1.144	ug/l	76
65) Chlorobenzene	9.85	112	6605	4.148	ug/l #	78
68) m/p-Xylenes	10.17	106	127500	124.895	ug/l	96
69) o-Xylene	10.74	106	1405	1.241	ug/l	60
80) 1,3,5-Trimethylbenzene	11.85	105	5285	2.809	ug/l	86
84) 1,2,4-Trimethylbenzene	12.23	105	14290	7.616	ug/l	94
88) 1,4-Dichlorobenzene	12.59	146	11464	12.693	ug/l	96
95) Naphthalene	14.48	128	4280	3.759	ug/l #	86

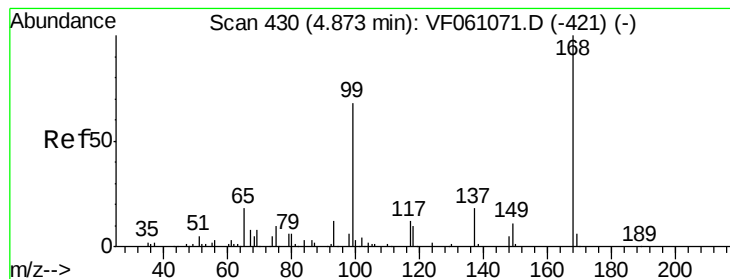
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.04 min

Lab File: VF061134.D

Acq: 21 Dec 2018 19:08

Instrument :

MSVOA_F

ClientSampleId :

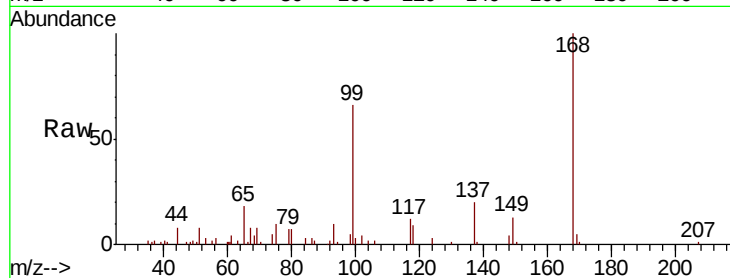
P001-SD005-0006-01RE

Tgt Ion:168 Resp: 62286

Ion Ratio Lower Upper

168 100

99 66.3 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

20000

15000

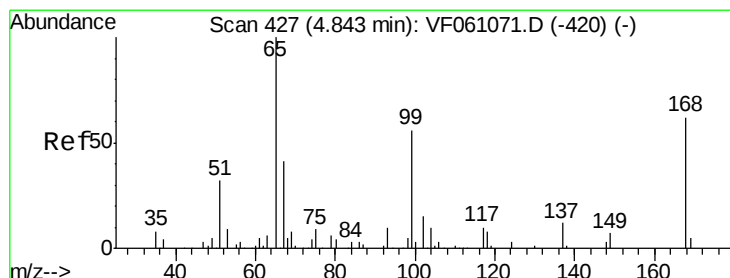
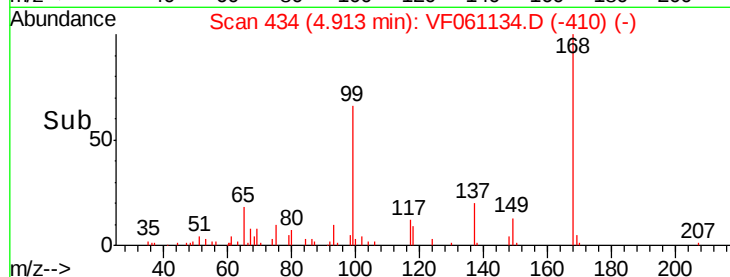
10000

5000

0

Time-->

4.80 4.90 5.00



#33

1,2-Dichloroethane-d4

Concen: 31.424 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.04 min

Lab File: VF061134.D

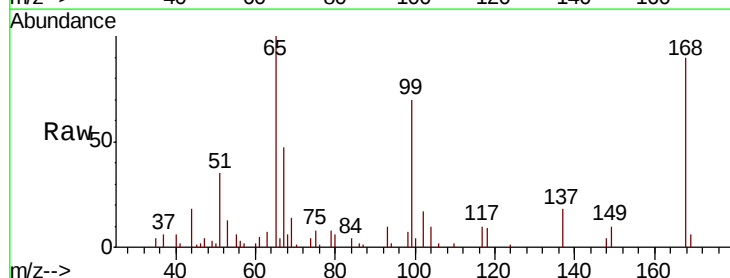
Acq: 21 Dec 2018 19:08

Tgt Ion: 65 Resp: 25174

Ion Ratio Lower Upper

65 100

67 47.3 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.88

10000

8000

6000

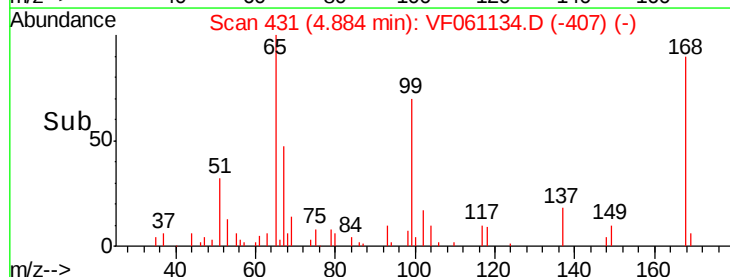
4000

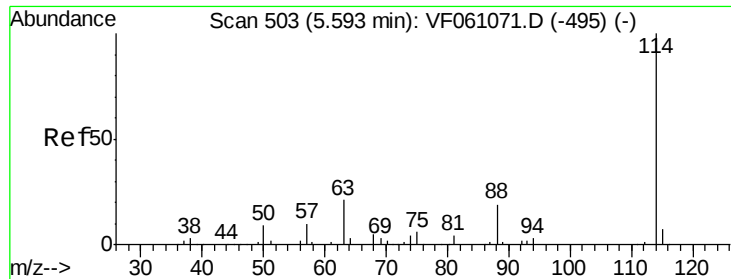
2000

0

Time-->

4.80 4.90 5.00

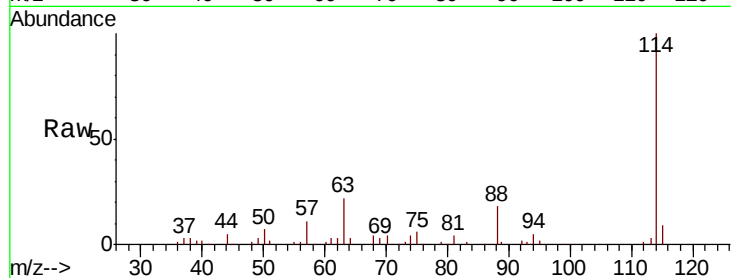




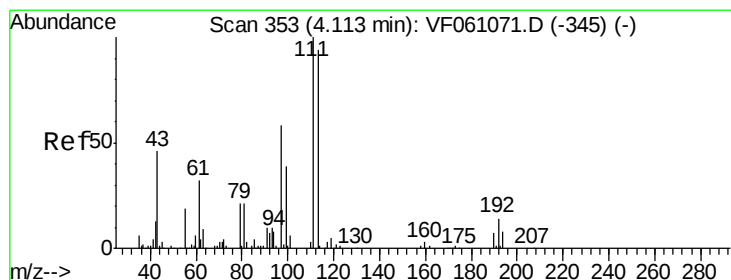
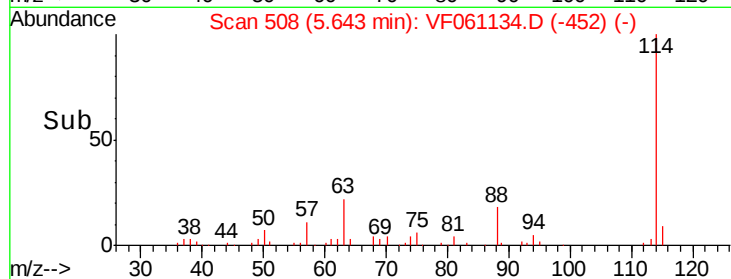
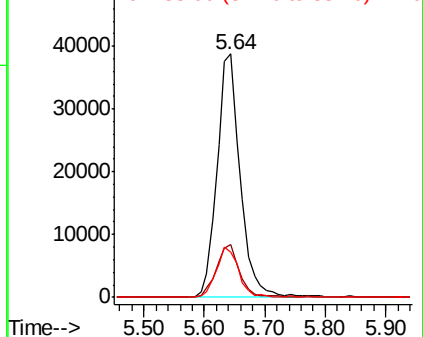
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 508
 Delta R.T. 0.05 min
 Lab File: VF061134.D
 Acq: 21 Dec 2018 19:08

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

Tgt Ion:114 Resp: 103055
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.6
 88 18.4 0.0 38.0

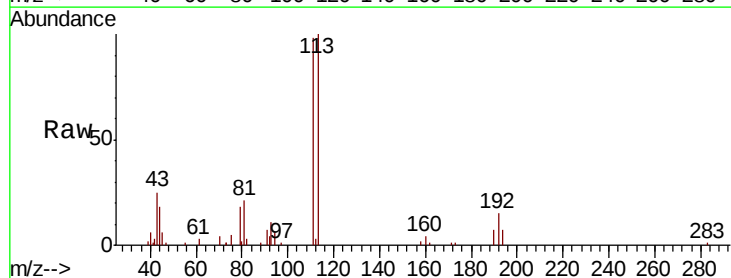


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

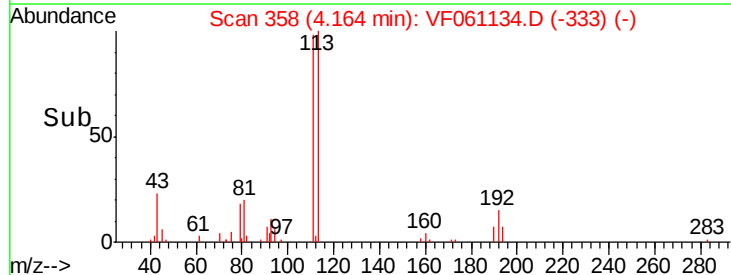
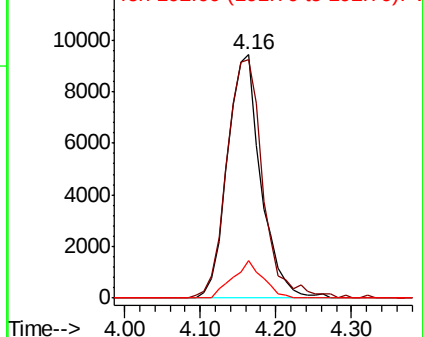


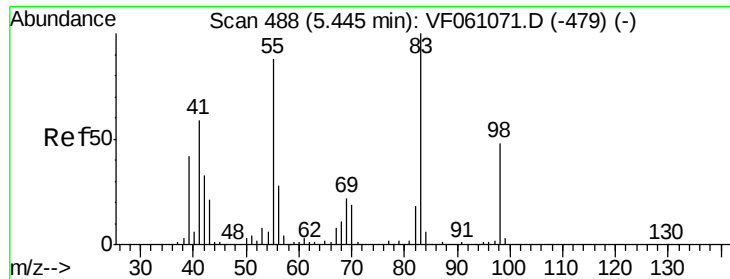
#35
 Dibromofluoromethane
 Concen: 34.959 ug/l
 RT: 4.16 min Scan# 358
 Delta R.T. 0.05 min
 Lab File: VF061134.D
 Acq: 21 Dec 2018 19:08

Tgt Ion:113 Resp: 28860
 Ion Ratio Lower Upper
 113 100
 111 98.1 85.2 127.8
 192 15.3 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

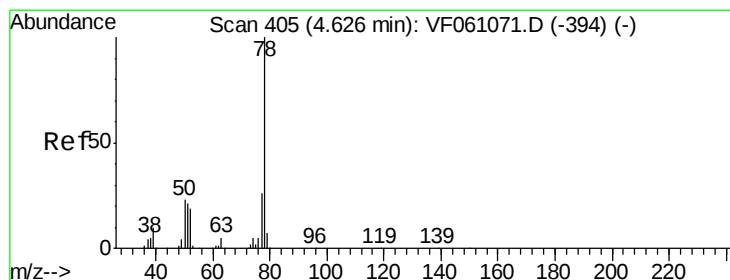
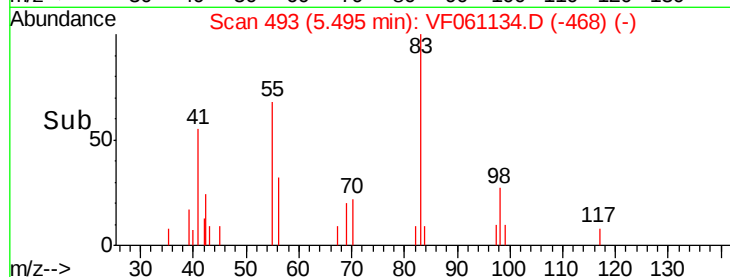
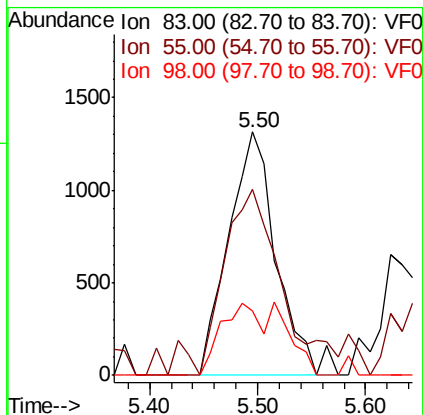
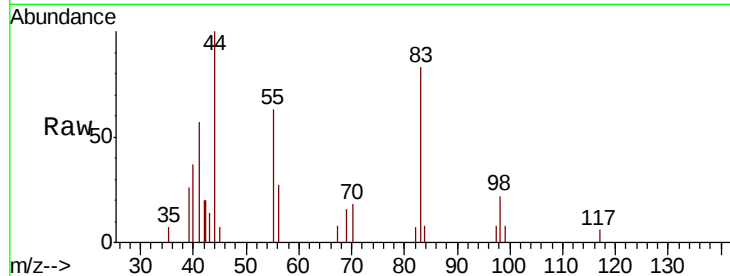




#39
Methylcyclohexane
Concen: 3.647 ug/l
RT: 5.50 min Scan# 493
Delta R.T. 0.05 min
Lab File: VF061134.D
Acq: 21 Dec 2018 19:08

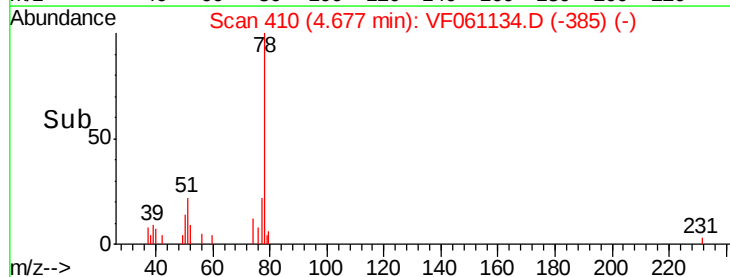
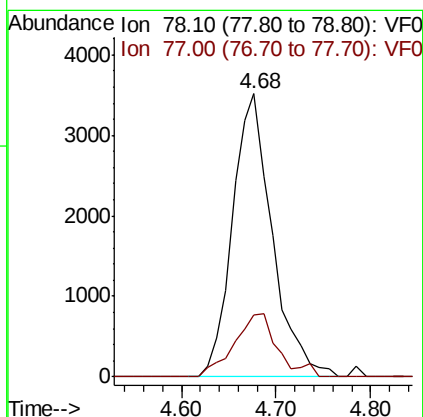
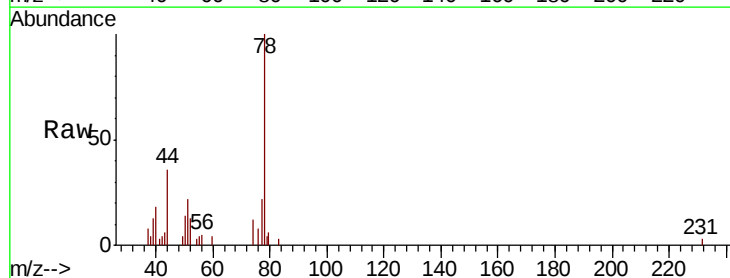
Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0006-01RE

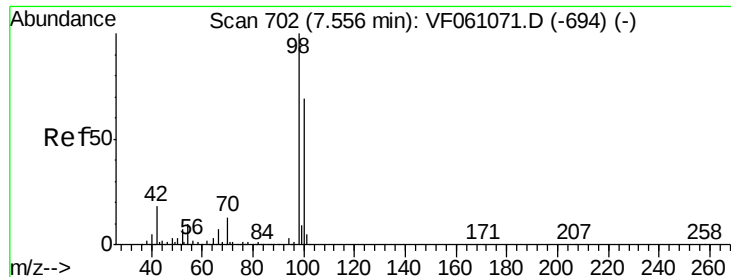
Tgt Ion: 83 Resp: 4070
Ion Ratio Lower Upper
83 100
55 76.5 70.6 105.8
98 26.5 38.5 57.7#



#40
Benzene
Concen: 3.821 ug/l
RT: 4.68 min Scan# 410
Delta R.T. 0.05 min
Lab File: VF061134.D
Acq: 21 Dec 2018 19:08

Tgt Ion: 78 Resp: 10221
Ion Ratio Lower Upper
78 100
77 22.0 20.7 31.1





#50

Toluene-d8

Concen: 31.382 ug/l

RT: 7.60 min Scan# 706

Delta R.T. 0.04 min

Lab File: VF061134.D

Acq: 21 Dec 2018 19:08

Instrument :

MSVOA_F

ClientSampleId :

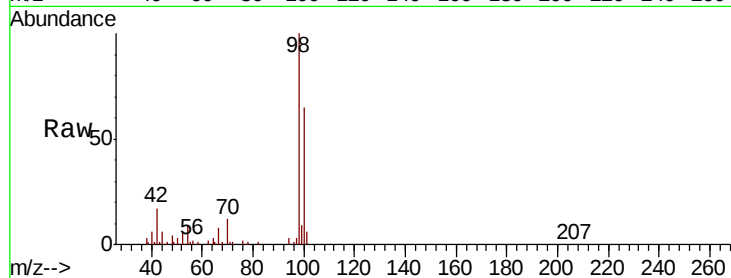
P001-SD005-0006-01RE

Tgt Ion: 98 Resp: 73417

Ion Ratio Lower Upper

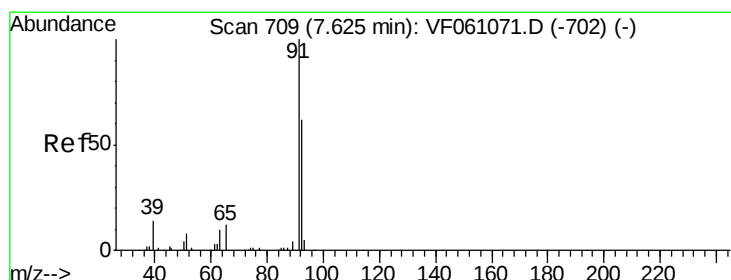
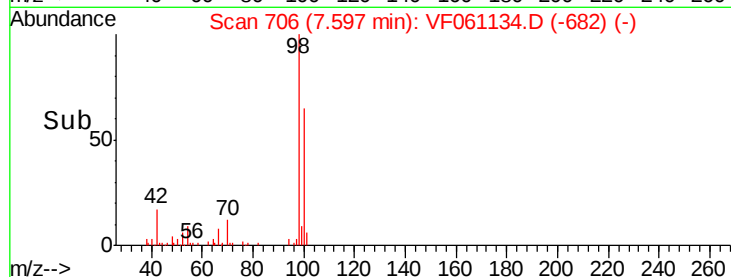
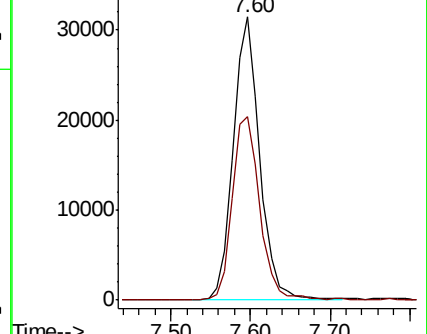
98 100

100 64.6 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: 1.144 ug/l

RT: 7.67 min Scan# 713

Delta R.T. 0.04 min

Lab File: VF061134.D

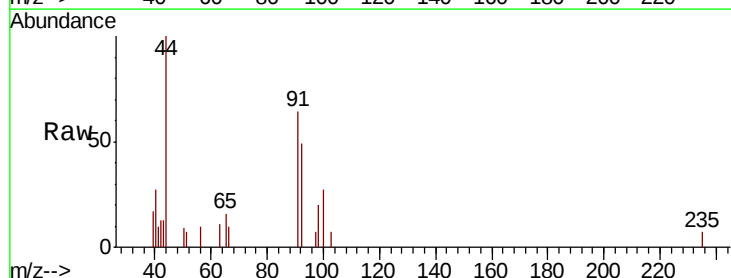
Acq: 21 Dec 2018 19:08

Tgt Ion: 92 Resp: 2026

Ion Ratio Lower Upper

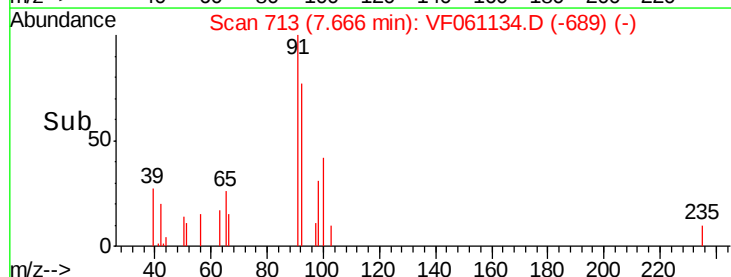
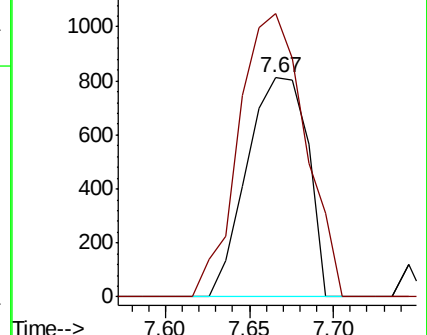
92 100

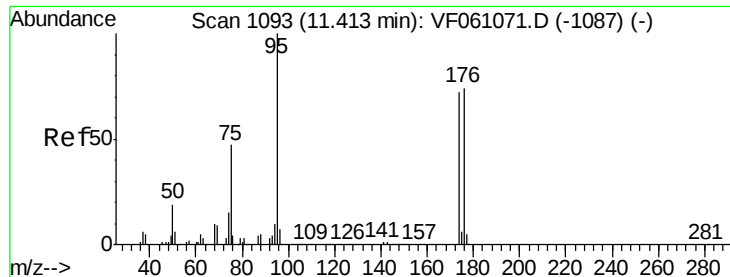
91 129.1 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#62

4-Bromofluorobenzene

Concen: 25.172 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. 0.03 min

Lab File: VF061134.D

Acq: 21 Dec 2018 19:08

Instrument :

MSVOA_F

ClientSampleId :

P001-SD005-0006-01RE

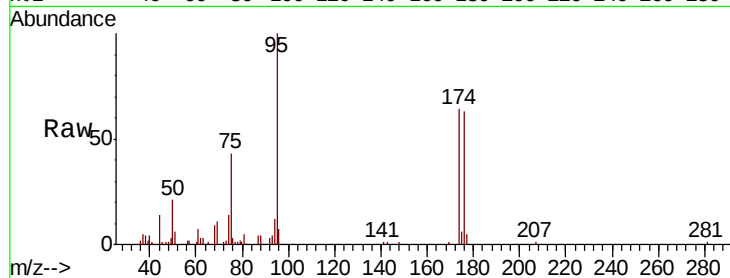
Tgt Ion: 95 Resp: 27149

Ion Ratio Lower Upper

95 100

174 64.4 0.0 143.8

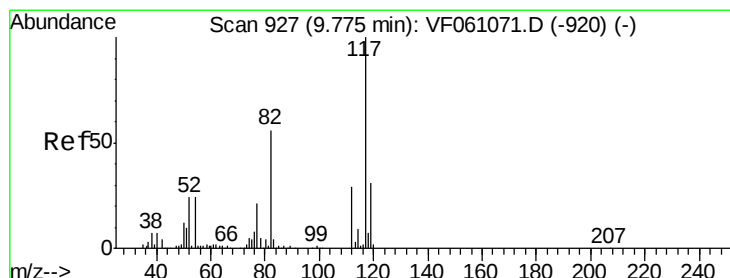
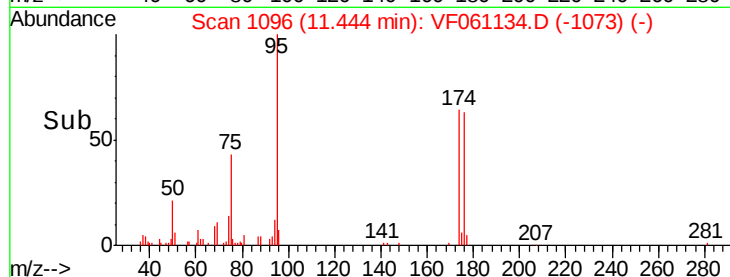
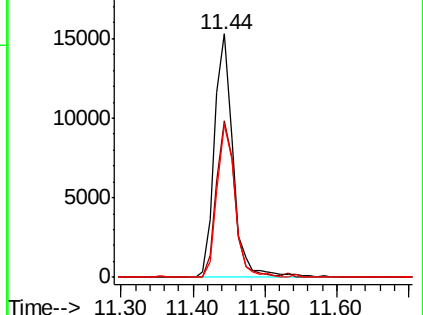
176 62.9 0.0 147.6



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: 9.82 min Scan# 931

Delta R.T. 0.04 min

Lab File: VF061134.D

Acq: 21 Dec 2018 19:08

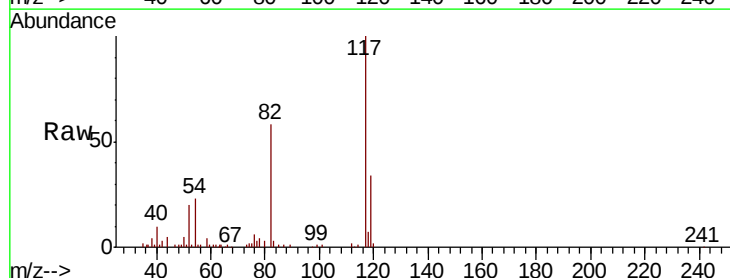
Tgt Ion: 117 Resp: 77075

Ion Ratio Lower Upper

117 100

82 57.7 45.0 67.4

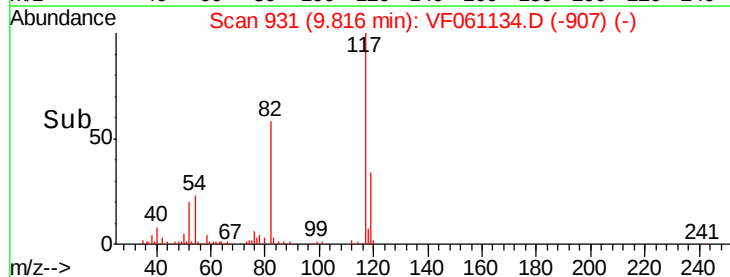
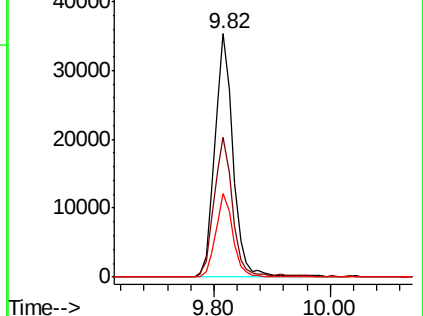
119 34.3 24.8 37.2

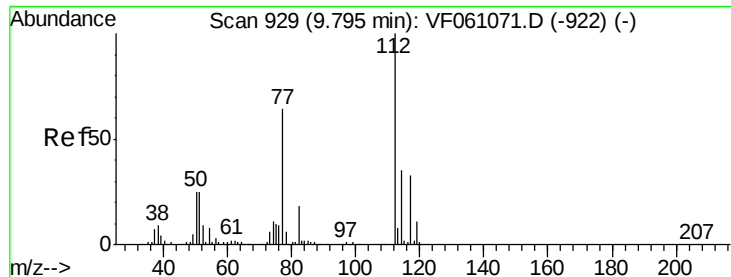


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0

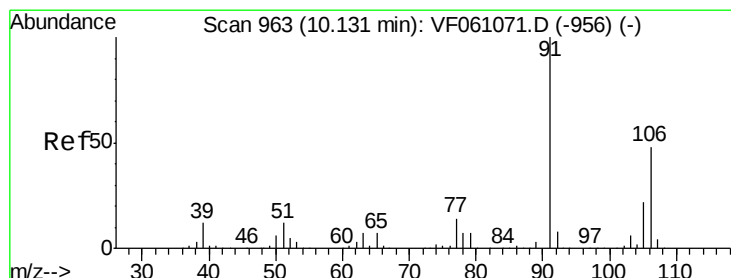
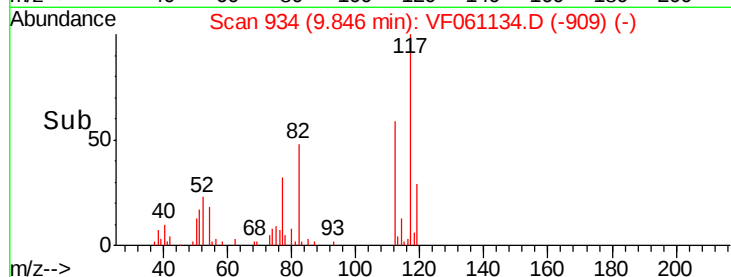
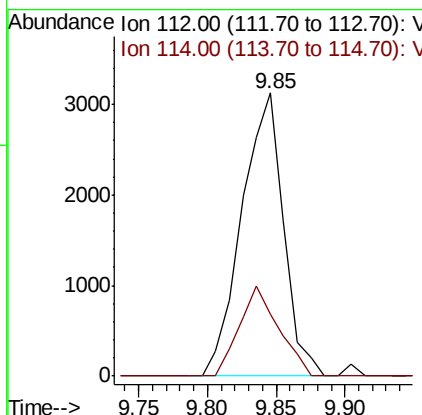
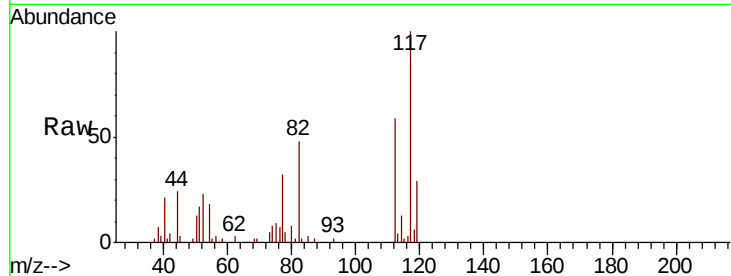




#65
Chlorobenzene
Concen: 4.148 ug/l
RT: 9.85 min Scan# 934
Delta R.T. 0.05 min
Lab File: VF061134.D
Acq: 21 Dec 2018 19:08

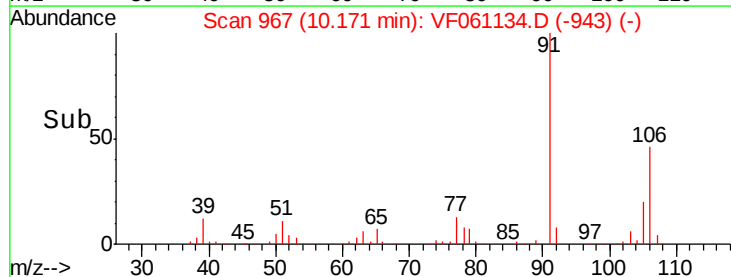
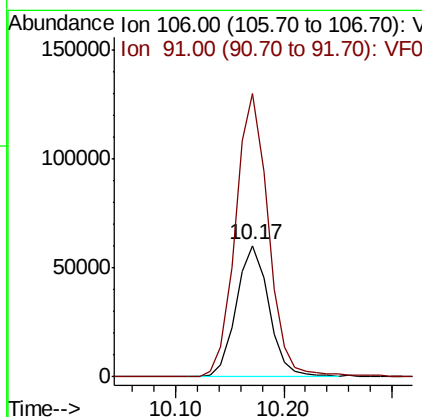
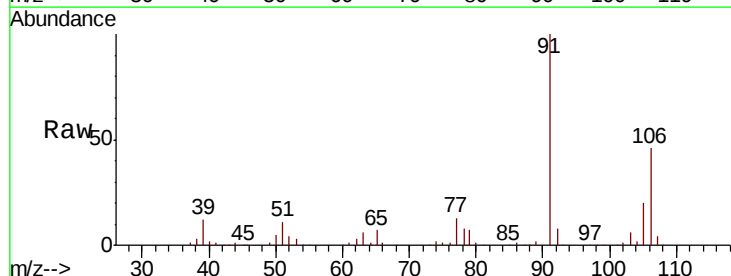
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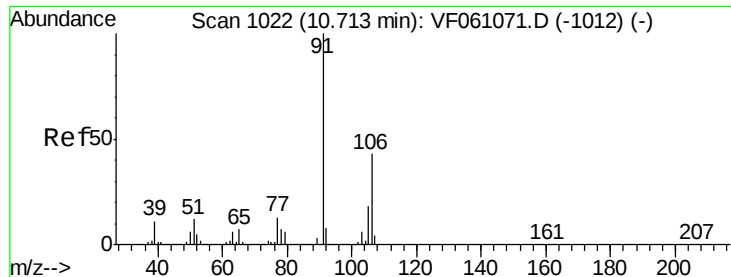
Tgt Ion:112 Resp: 6605
Ion Ratio Lower Upper
112 100
114 21.7 27.8 41.6#



#68
m/p-Xylenes
Concen: 124.895 ug/l
RT: 10.17 min Scan# 967
Delta R.T. 0.04 min
Lab File: VF061134.D
Acq: 21 Dec 2018 19:08

Tgt Ion:106 Resp: 127500
Ion Ratio Lower Upper
106 100
91 215.9 168.2 252.2

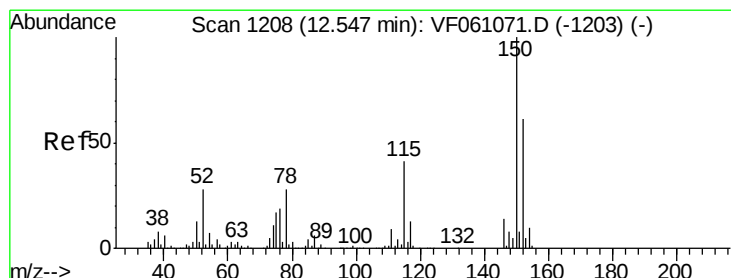
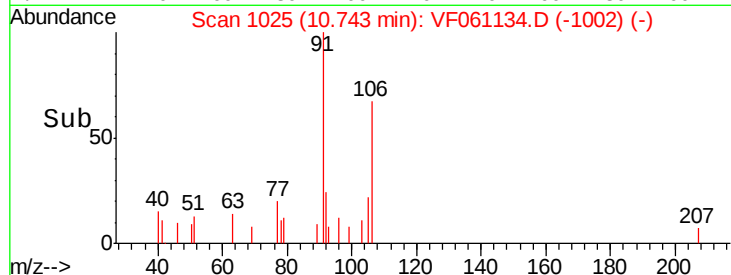
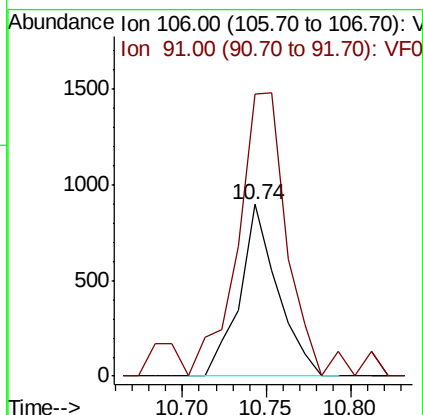
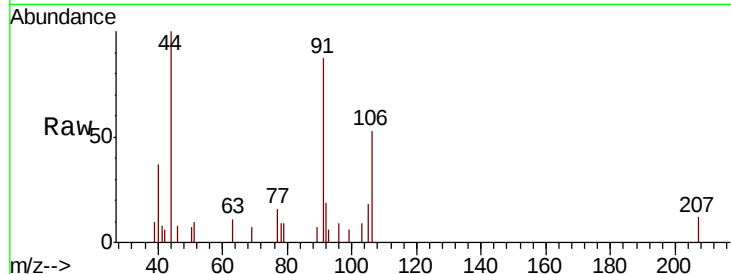




#69
o-Xylene
Concen: 1.241 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. 0.03 min
Lab File: VF061134.D
Acq: 21 Dec 2018 19:08

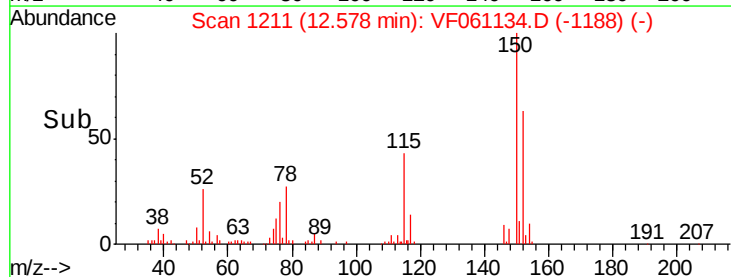
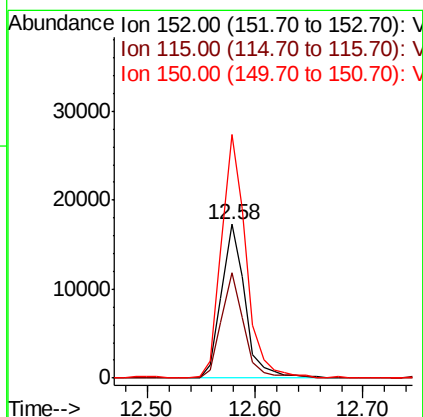
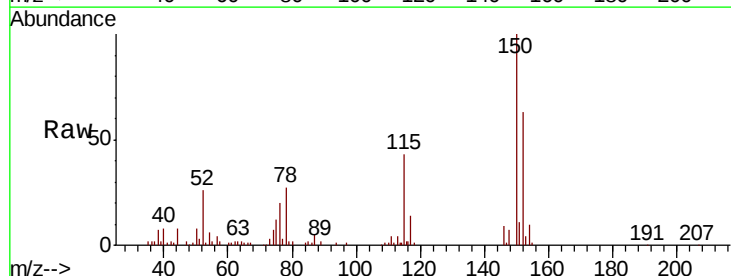
Instrument :
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P001-SD005-0006-01RE

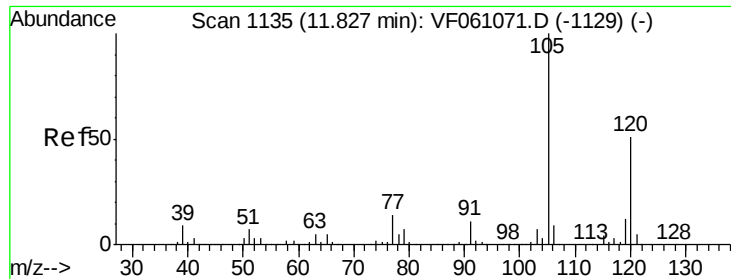
Tgt Ion:106 Resp: 1405
Ion Ratio Lower Upper
106 100
91 164.7 115.9 347.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.58 min Scan# 1211
Delta R.T. 0.03 min
Lab File: VF061134.D
Acq: 21 Dec 2018 19:08

Tgt Ion:152 Resp: 26515
Ion Ratio Lower Upper
152 100
115 68.2 33.3 99.9
150 158.3 0.0 328.2

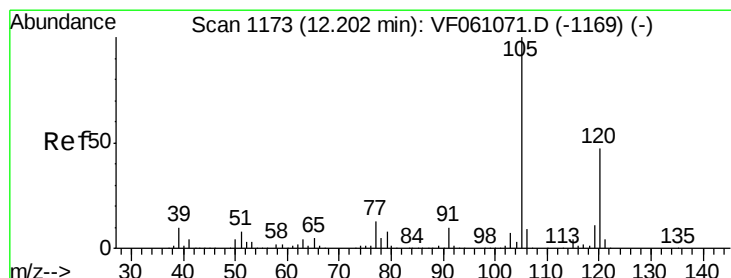
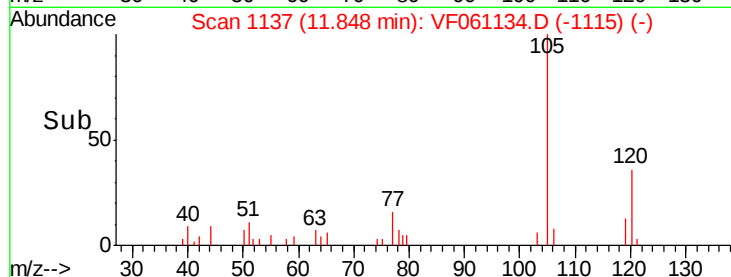
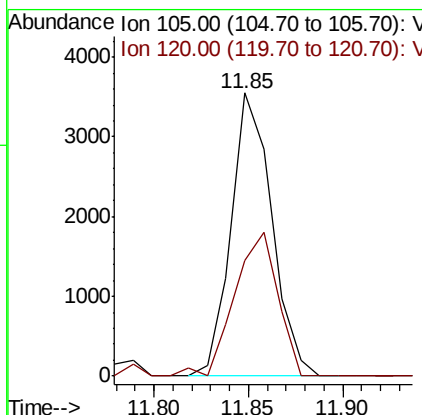
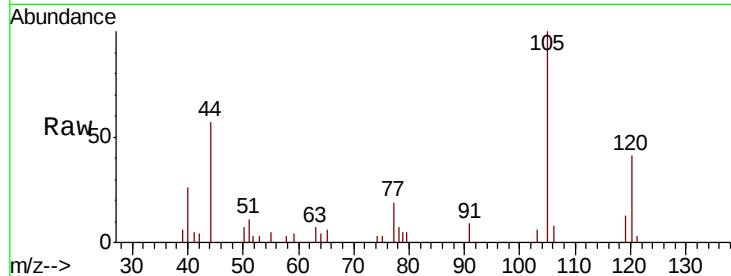




#80
 1,3,5-Trimethylbenzene
 Concen: 2.809 ug/l
 RT: 11.85 min Scan# 1137
 Delta R.T. 0.02 min
 Lab File: VF061134.D
 Acq: 21 Dec 2018 19:08

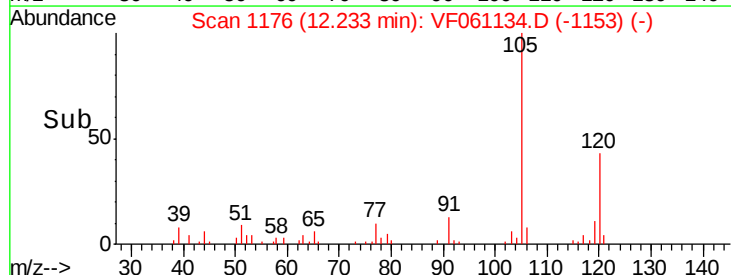
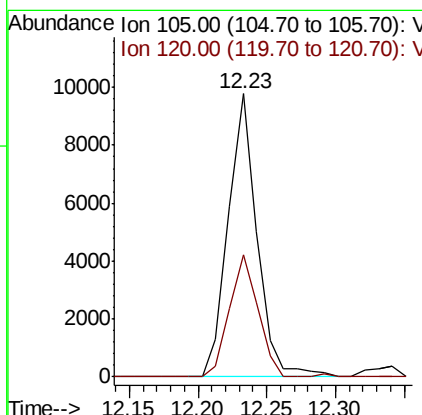
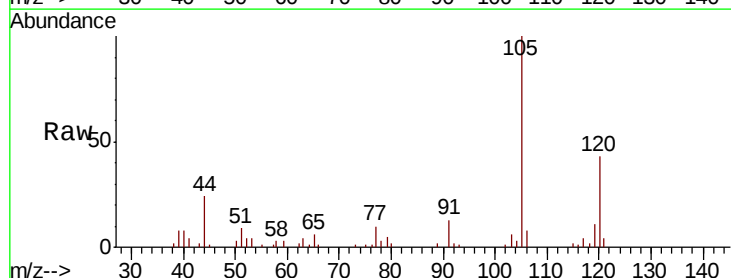
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD005-0006-01RE

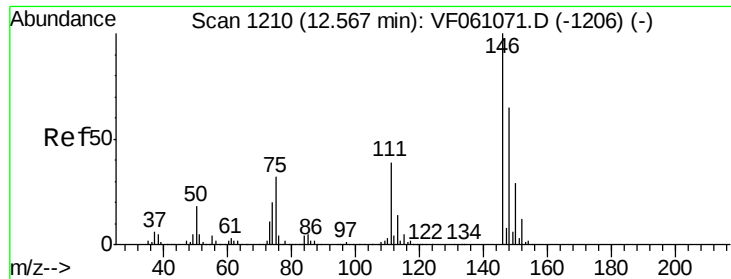
Tgt Ion:105 Resp: 5285
 Ion Ratio Lower Upper
 105 100
 120 41.0 25.4 76.4



#84
 1,2,4-Trimethylbenzene
 Concen: 7.616 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.03 min
 Lab File: VF061134.D
 Acq: 21 Dec 2018 19:08

Tgt Ion:105 Resp: 14290
 Ion Ratio Lower Upper
 105 100
 120 43.2 23.6 71.0

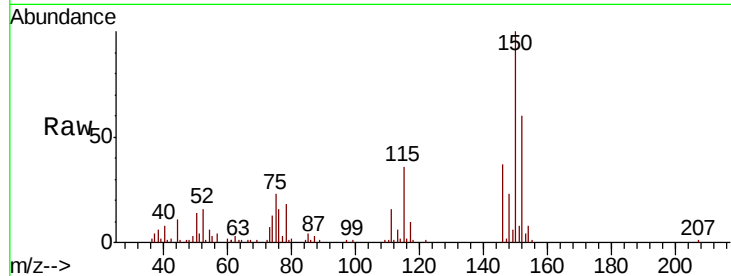




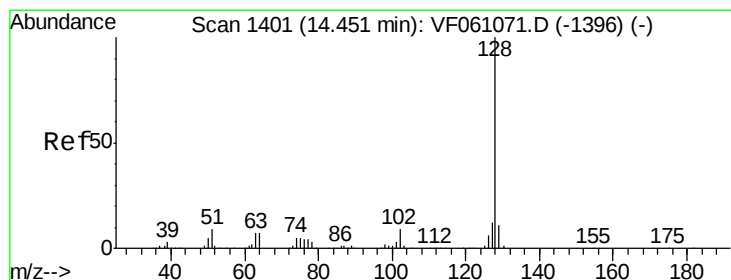
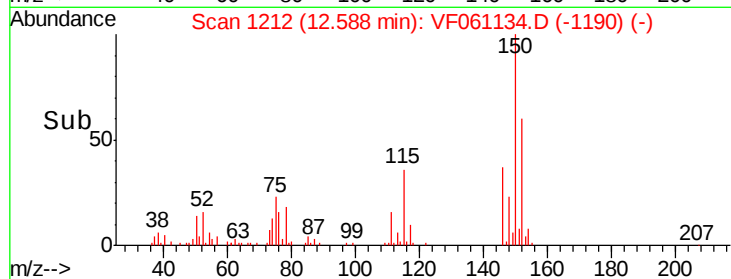
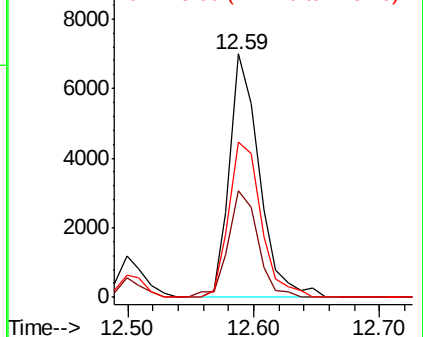
#88
 1,4-Dichlorobenzene
 Concen: 12.693 ug/l
 RT: 12.59 min Scan# 1212
 Delta R.T. 0.02 min
 Lab File: VF061134.D
 Acq: 21 Dec 2018 19:08

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

Tgt Ion:146 Resp: 11464
 Ion Ratio Lower Upper
 146 100
 111 43.7 19.4 58.4
 148 64.0 32.4 97.0

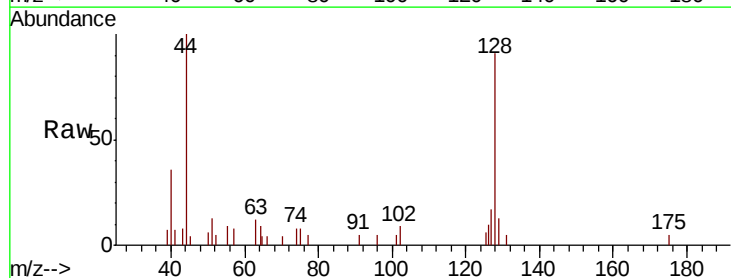


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#95
 Naphthalene
 Concen: 3.759 ug/l
 RT: 14.48 min Scan# 1404
 Delta R.T. 0.03 min
 Lab File: VF061134.D
 Acq: 21 Dec 2018 19:08

Tgt Ion:128 Resp: 4280
 Ion Ratio Lower Upper
 128 100
 127 18.7 9.4 14.2#
 129 14.4 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

