

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122018\
 Data File : VF061113.D
 Acq On : 20 Dec 2018 17:40
 Operator : VA/AP
 Sample : J6377-14
 Misc : 4.31g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 21 06:43:48 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	155288	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	269794	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	170693	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	48646	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	61565	30.82	ug/l	0.01
Spiked Amount			Recovery	=	61.64%	
35) Dibromofluoromethane	4.12	113	78705	36.42	ug/l	0.01
Spiked Amount			Recovery	=	72.84%	
50) Toluene-d8	7.57	98	189416	30.93	ug/l	0.01
Spiked Amount			Recovery	=	61.86%	
62) 4-Bromofluorobenzene	11.41	95	52156	18.47	ug/l	0.00
Spiked Amount			Recovery	=	36.94%	

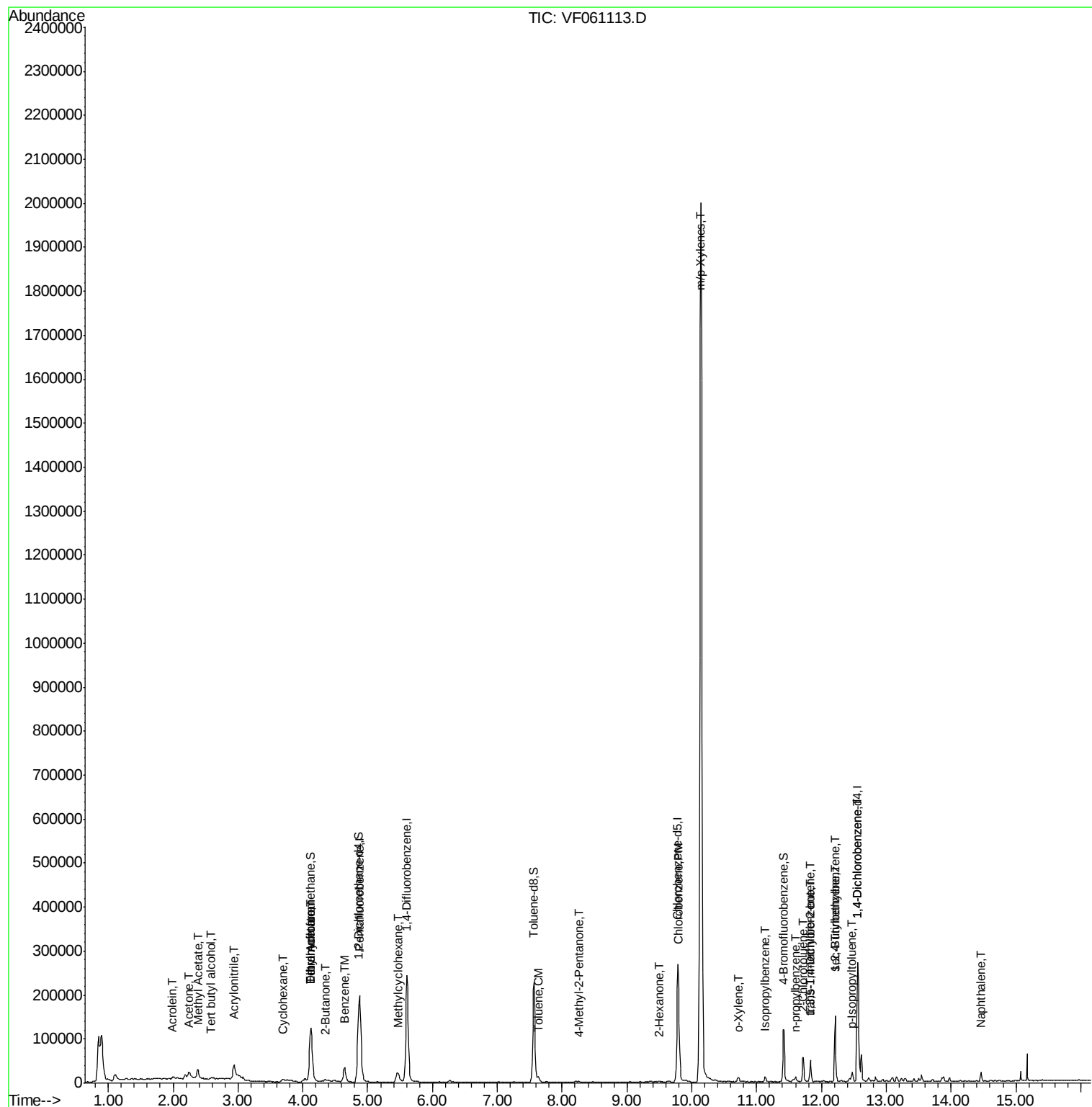
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	108	1.340	ug/l #	65
13) Acrolein	1.99	56	610	10.474	ug/l	81
15) Acrylonitrile	2.93	53	3315	17.787	ug/l #	49
16) Acetone	2.25	43	17264	43.238	ug/l	98
18) Methyl Acetate	2.38	43	10530	12.747	ug/l #	85
20) Methylene Chloride	2.28	84	3425	Below Cal	#	69
25) 2-Butanone	4.35	43	7500	11.582	ug/l	97
29) Tetrahydrofuran	4.12	42	6369	24.165	ug/l #	41
31) Cyclohexane	3.69	56	5427	1.860	ug/l	98
37) Ethyl Acetate	4.12	43	75174	61.952	ug/l #	35
39) Methylcyclohexane	5.46	83	14263	4.882	ug/l	97
40) Benzene	4.65	78	40497	5.783	ug/l	95
51) 4-Methyl-2-Pentanone	8.27	43	1092	1.013	ug/l #	74
52) Toluene	7.63	92	6097	1.315	ug/l	99
59) 2-Hexanone	9.50	43	1230	1.577	ug/l	75
65) Chlorobenzene	9.81	112	35101	9.954	ug/l	92
68) m/p-Xylenes	10.14	106	777673	343.976	ug/l	89
69) o-Xylene	10.72	106	4448	1.774	ug/l	68
70) Styrene	10.80	104	269	Below Cal	#	30
73) Isopropylbenzene	11.13	105	9083	2.167	ug/l	86
78) n-propylbenzene	11.60	91	8286	1.289	ug/l	97
79) 2-Chlorotoluene	11.72	91	5191	1.805	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.83	105	25462	7.376	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	511	2.297	ug/l #	25
84) 1,2,4-Trimethylbenzene	12.21	105	73271	21.286	ug/l	100
85) sec-Butylbenzene	12.21	105	73271	15.807	ug/l #	58
86) p-Isopropyltoluene	12.46	119	3969	1.032	ug/l	80
87) 1,3-Dichlorobenzene	12.48	146	6974	Below Cal		95
88) 1,4-Dichlorobenzene	12.57	146	46665	28.161	ug/l	97
95) Naphthalene	14.46	128	13774	6.593	ug/l	99

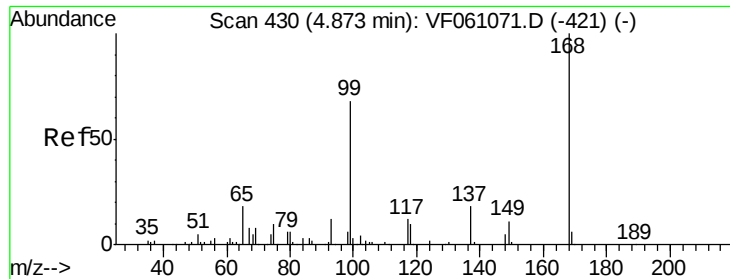
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
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: VF061113.D

Acq: 20 Dec 2018 17:40

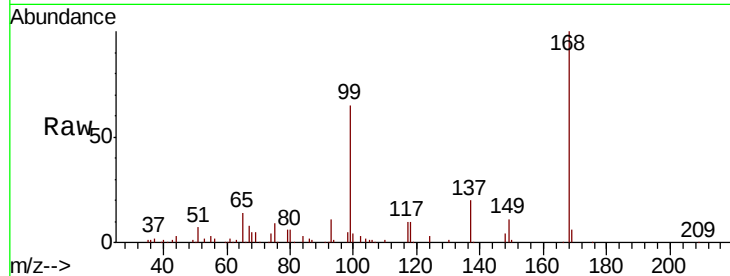
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 155288

Ion Ratio Lower Upper

168 100

99 65.0 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

50000

40000

30000

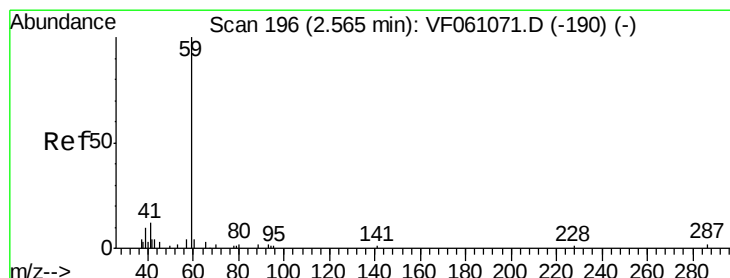
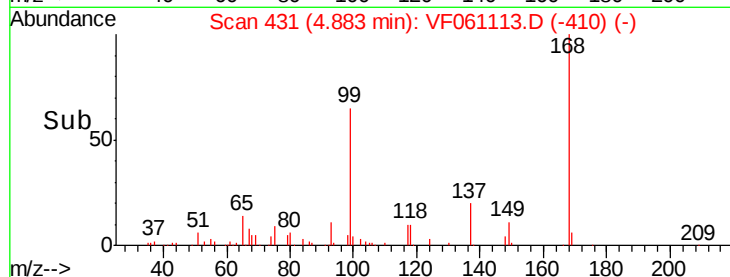
20000

10000

0

Time-->

4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 1.340 ug/l

RT: 2.58 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF061113.D

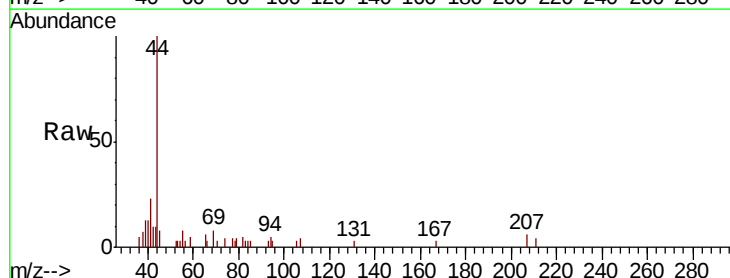
Acq: 20 Dec 2018 17:40

Tgt Ion: 59 Resp: 108

Ion Ratio Lower Upper

59 100

57 0.0 11.5 17.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.58

200

150

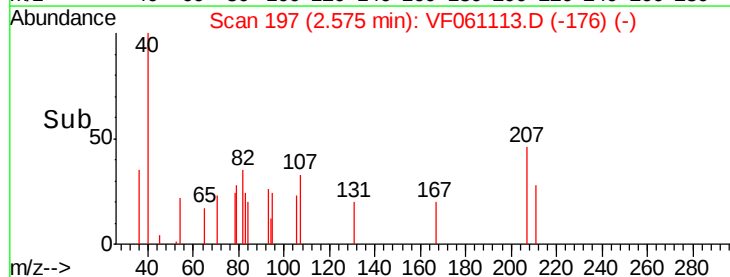
100

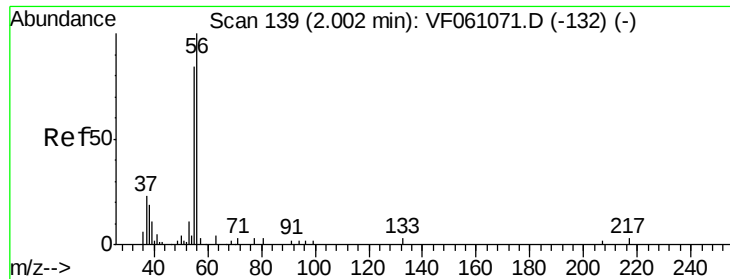
50

0

Time-->

2.56 2.58 2.60





#13

Acrolein

Concen: 10.474 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

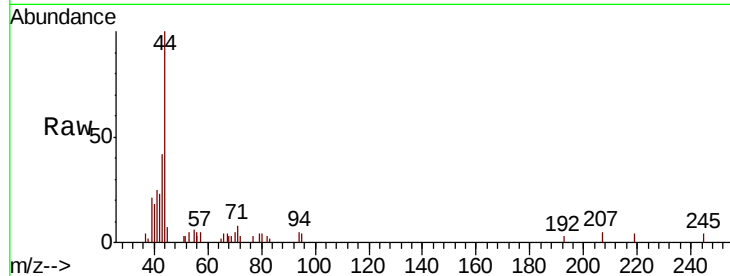
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 610

Ion Ratio Lower Upper

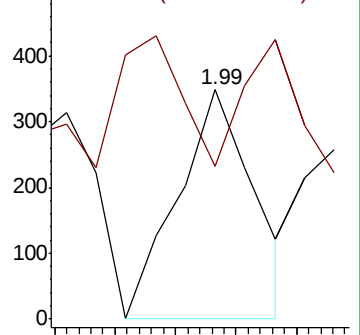
56 100

55 105.2 70.2 105.2

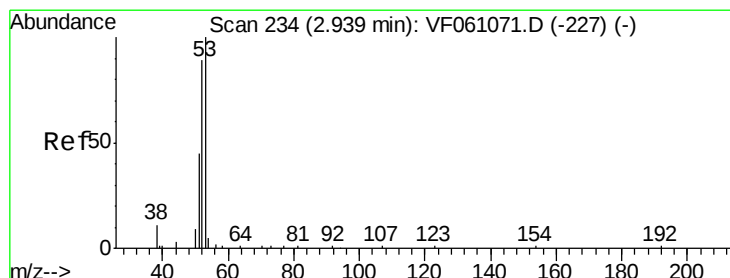
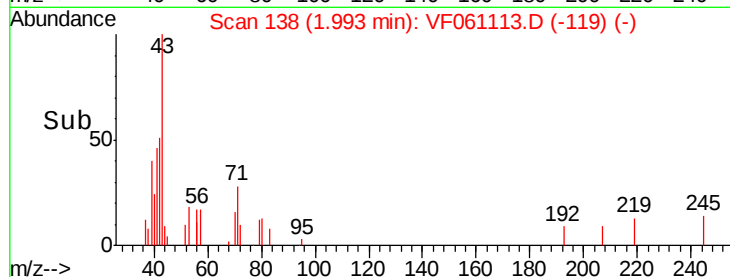


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time--> 1.94 1.96 1.98 2.00 2.02



#15

Acrylonitrile

Concen: 17.787 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

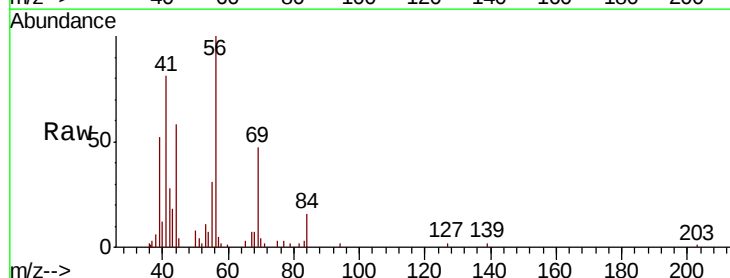
Tgt Ion: 53 Resp: 3315

Ion Ratio Lower Upper

53 100

52 21.7 71.3 106.9#

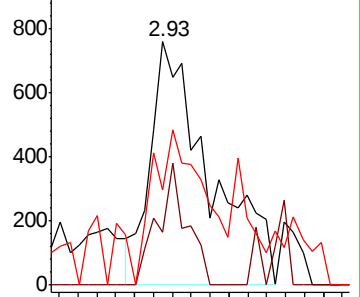
51 39.1 36.8 55.2



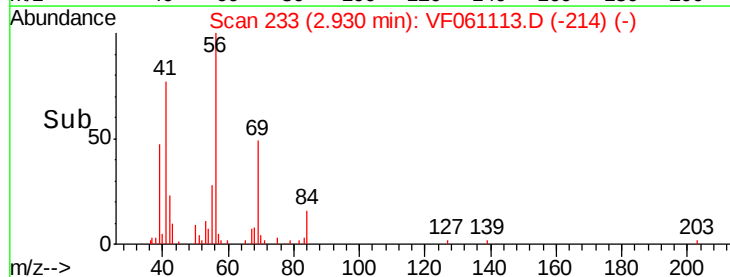
Abundance Ion 53.00 (52.70 to 53.70): VF0

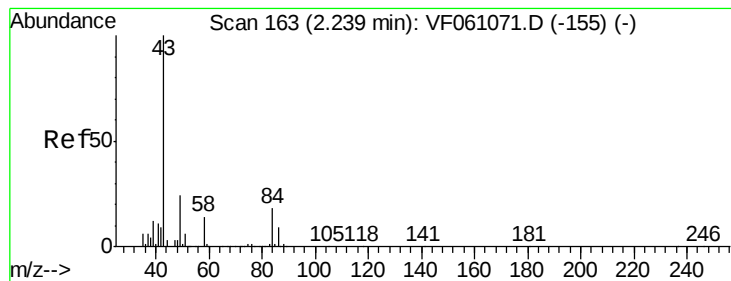
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time--> 2.90 3.00 3.10





#16

Acetone

Concen: 43.238 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

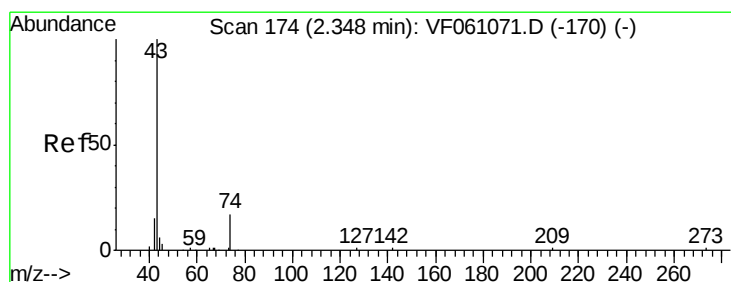
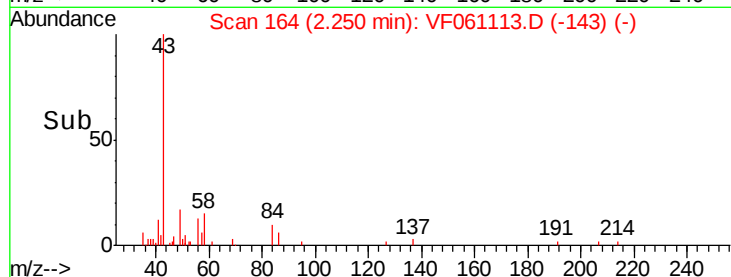
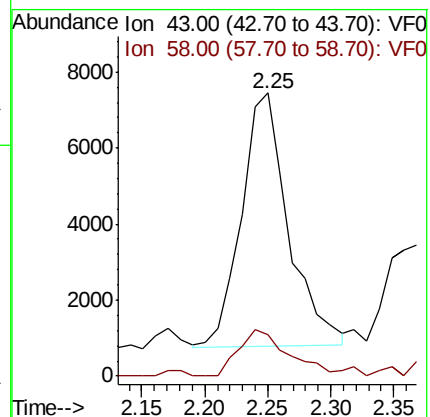
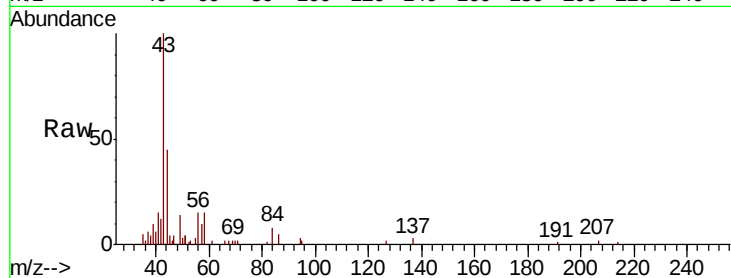
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 17264

Ion Ratio Lower Upper

43 100

58 14.5 11.1 16.7



#18

Methyl Acetate

Concen: 12.747 ug/l

RT: 2.38 min Scan# 177

Delta R.T. 0.03 min

Lab File: VF061113.D

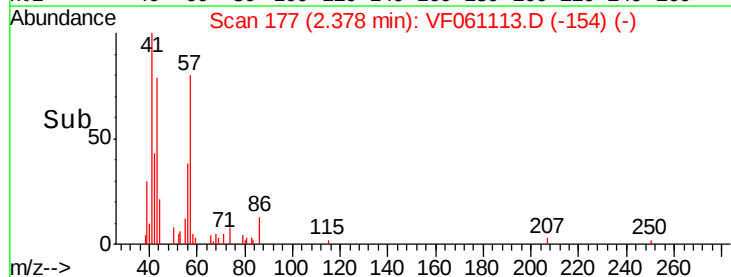
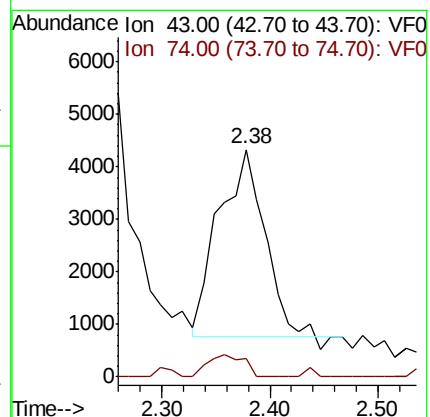
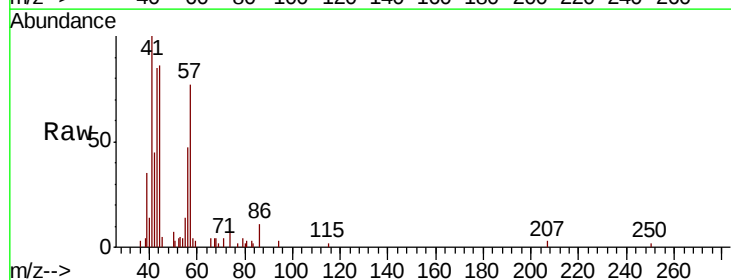
Acq: 20 Dec 2018 17:40

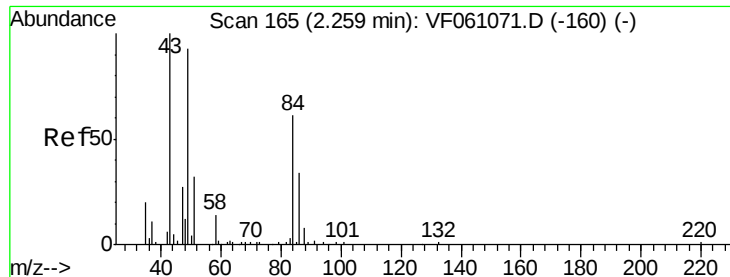
Tgt Ion: 43 Resp: 10530

Ion Ratio Lower Upper

43 100

74 7.9 11.0 16.6#

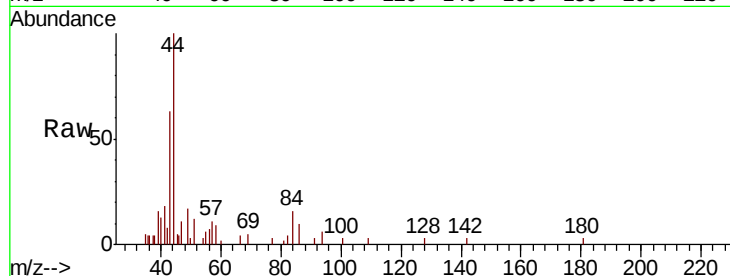




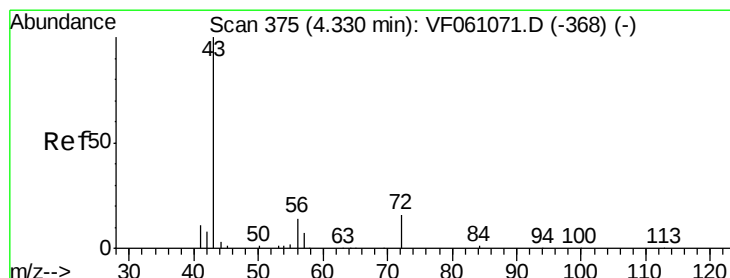
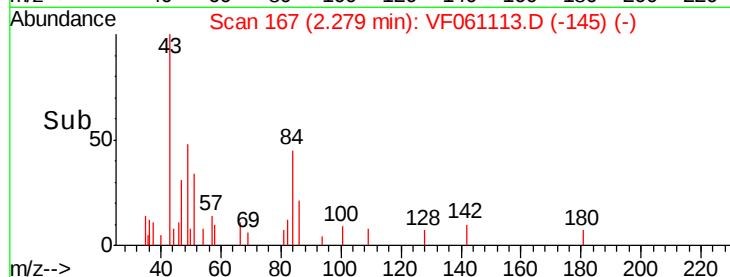
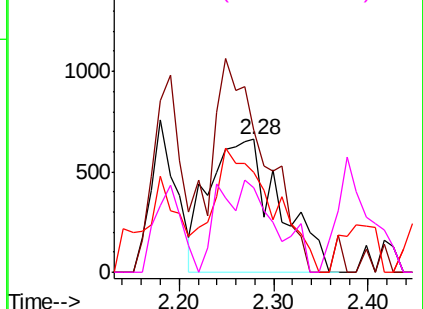
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 3425
Ion Ratio Lower Upper
84 100
49 107.0 129.4 194.2#
51 75.0 44.0 66.0#
86 63.5 46.3 69.5

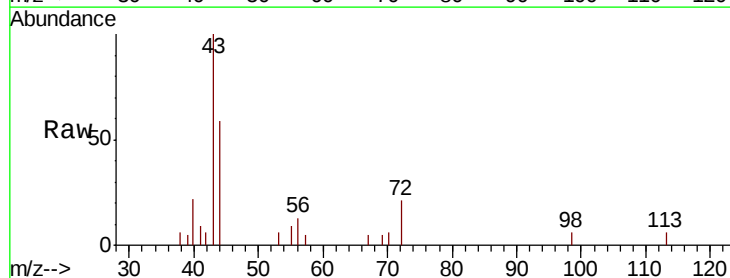


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

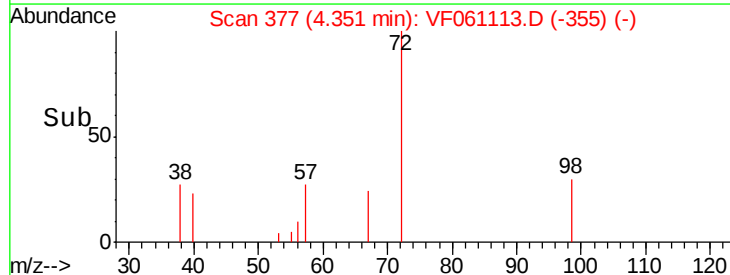
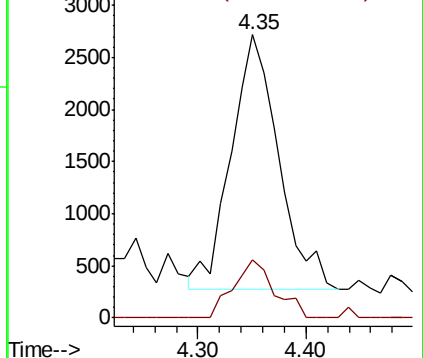


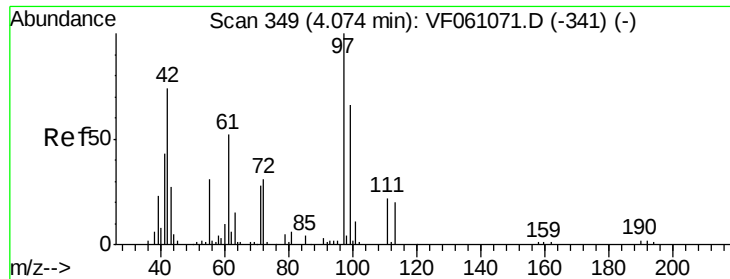
#25
2-Butanone
Concen: 11.582 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.02 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 43 Resp: 7500
Ion Ratio Lower Upper
43 100
72 20.6 15.6 23.4



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 24.165 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.05 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

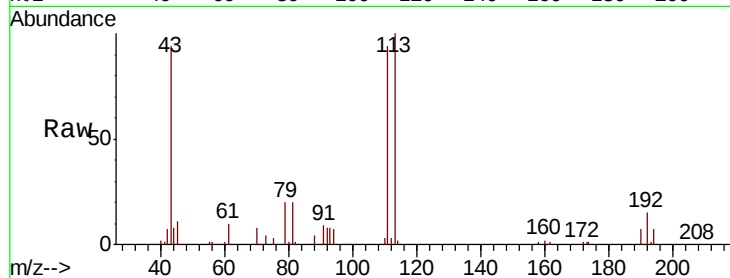
Tot Ion: 42 Resp: 6369

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

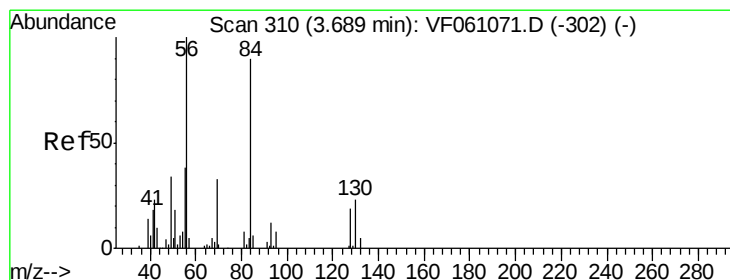
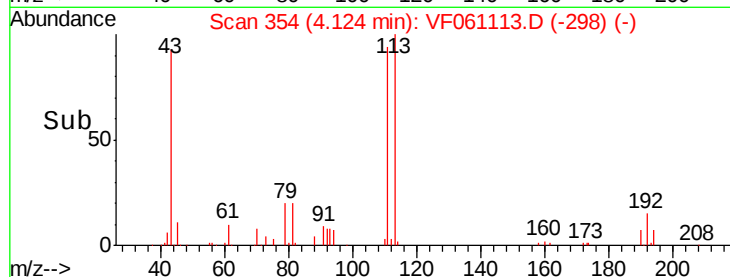
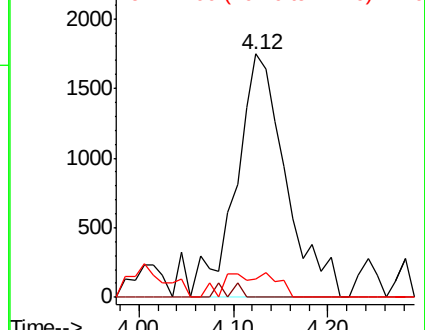
71 5.2 29.7 44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#31

Cyclohexane

Concen: 1.860 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.00 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

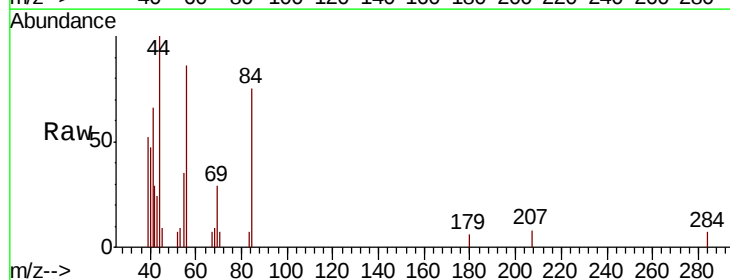
Tgt Ion: 56 Resp: 5427

Ion Ratio Lower Upper

56 100

69 33.9 26.0 39.0

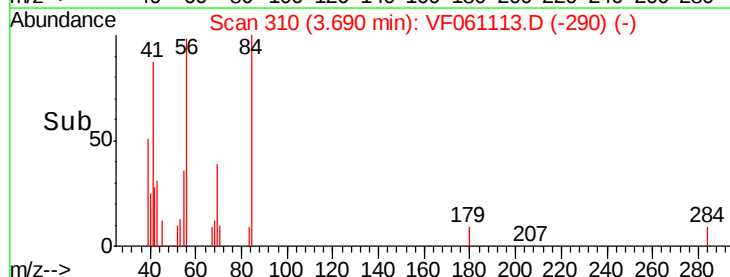
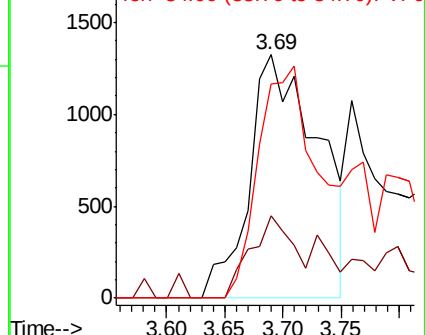
84 87.9 71.4 107.2

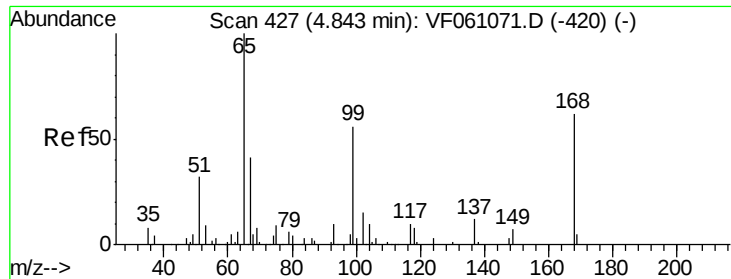


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

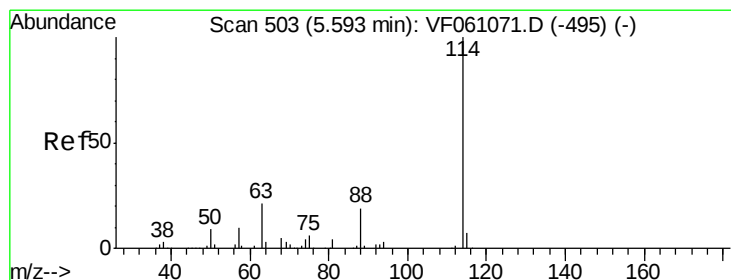
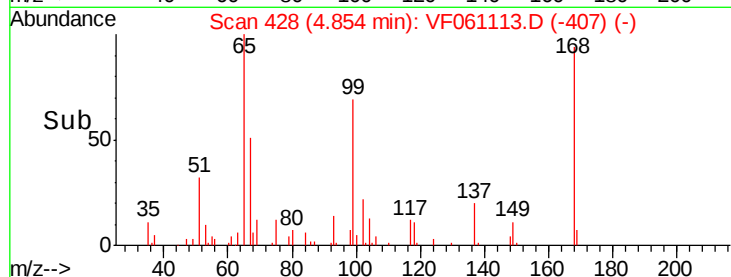
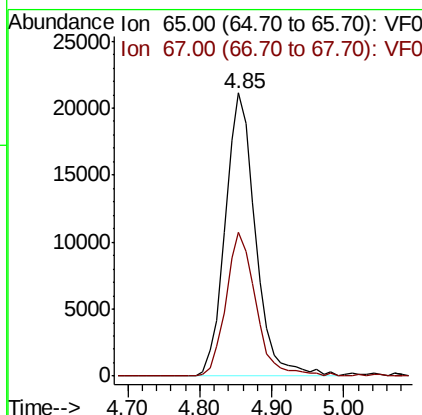
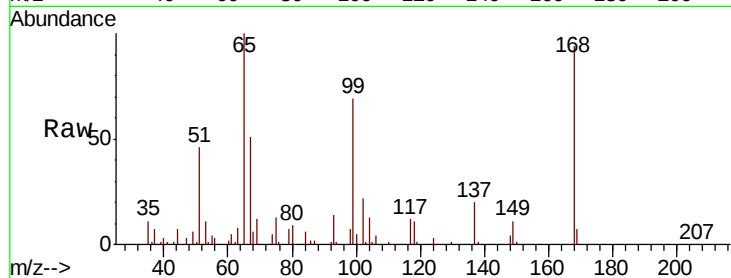




#33
 1,2-Dichloroethane-d4
 Concen: 30.825 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

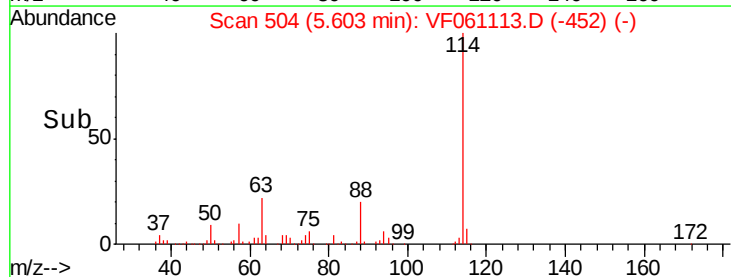
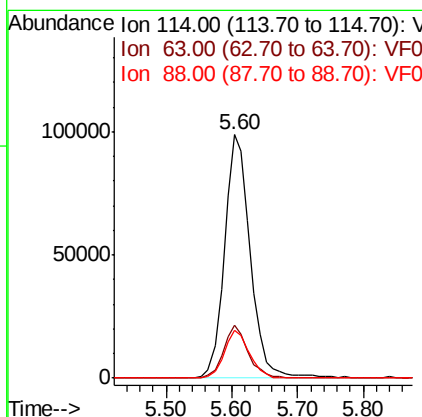
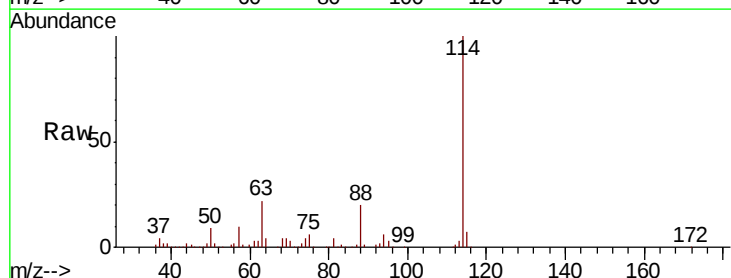
Instrument :
 MSVOA_F
 ClientSampleId :

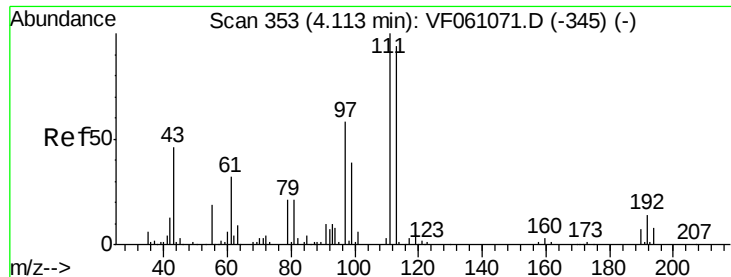
Tot Ion: 65 Resp: 61565
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

Tgt Ion: 114 Resp: 269794
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.6
 88 19.9 0.0 38.0

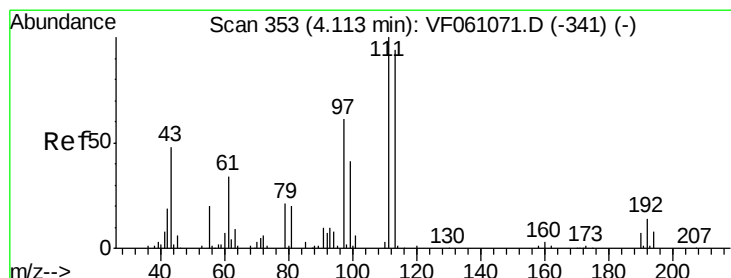
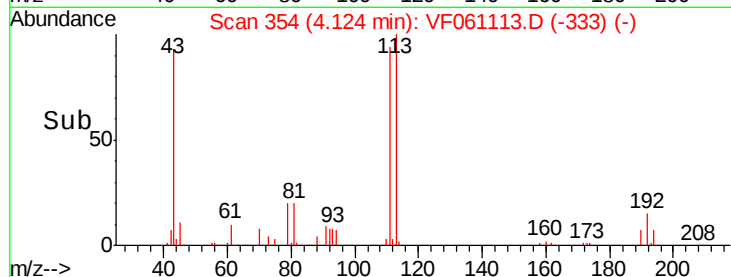
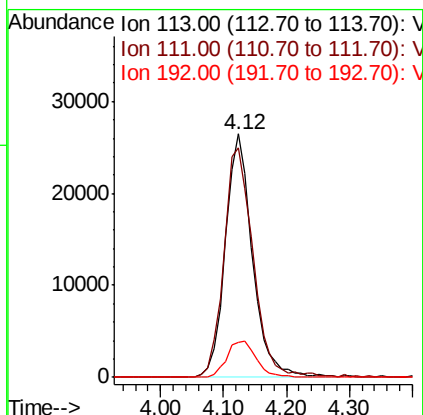
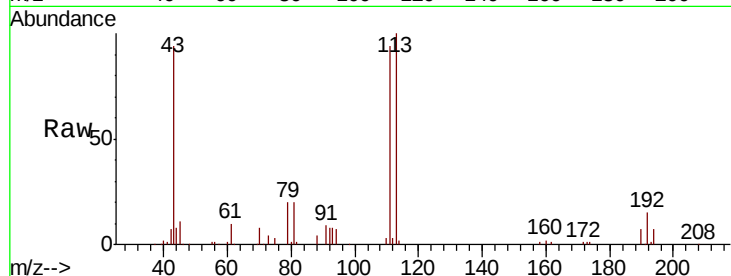




#35
Dibromofluoromethane
Concen: 36.417 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

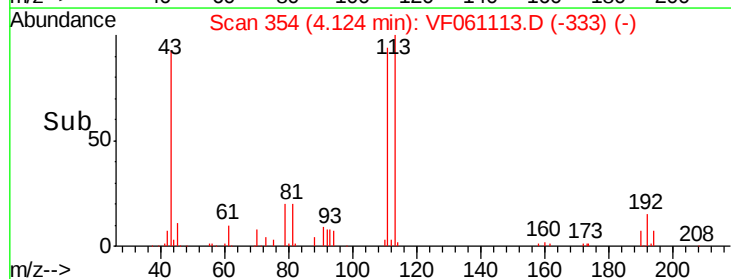
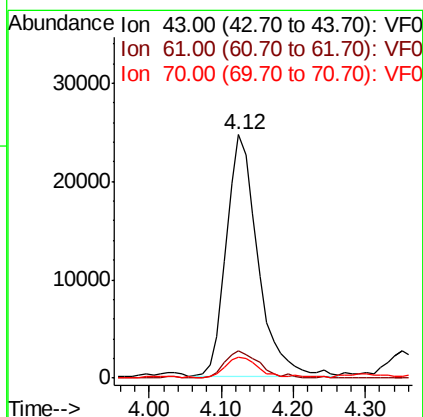
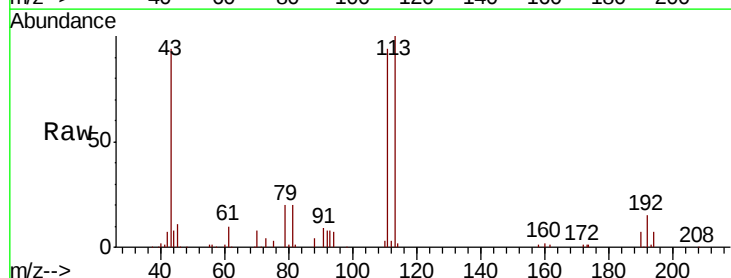
Instrument :
MSVOA_F
ClientSampleId :

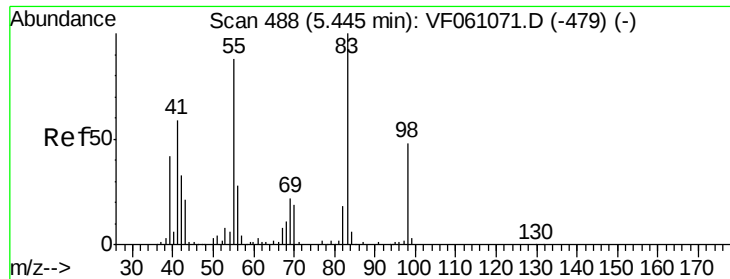
Tot Ion:113 Resp: 78705
Ion Ratio Lower Upper
113 100
111 94.2 85.2 127.8
192 14.6 12.8 19.2



#37
Ethyl Acetate
Concen: 61.952 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 43 Resp: 75174
Ion Ratio Lower Upper
43 100
61 11.2 56.6 84.8#
70 8.7 6.3 9.5

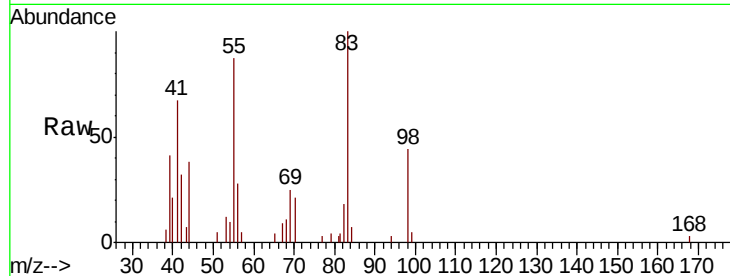




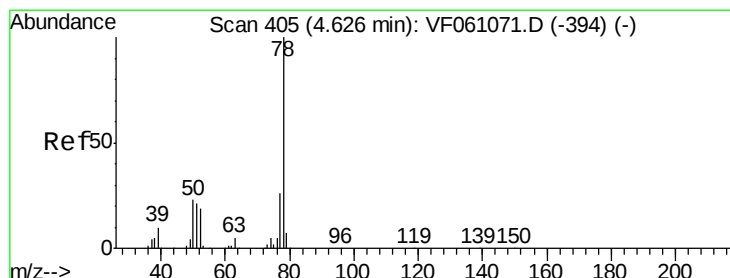
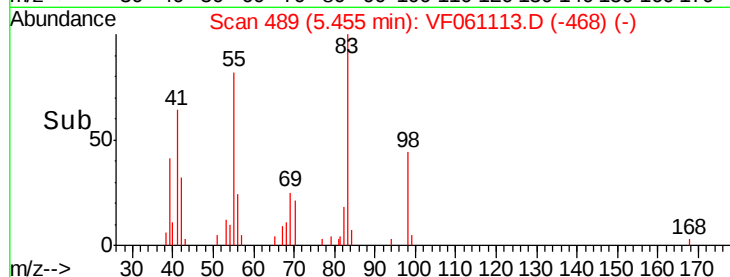
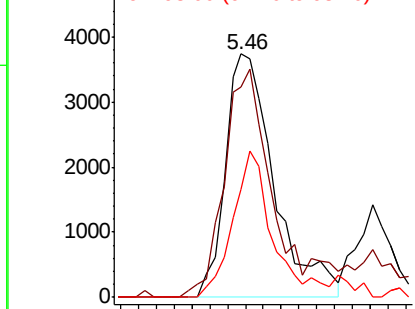
#39
Methvlcvclohexane
Concen: 4.882 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 14263
Ion Ratio Lower Upper
83 100
55 86.5 70.6 105.8
98 44.3 38.5 57.7

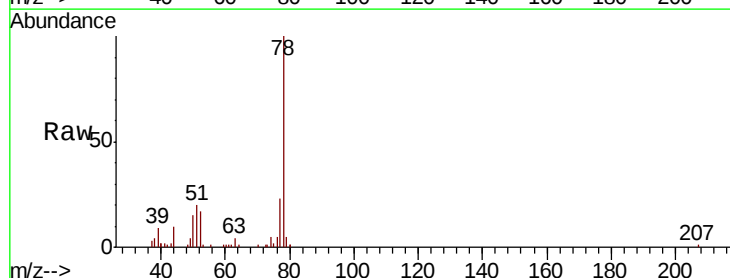


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

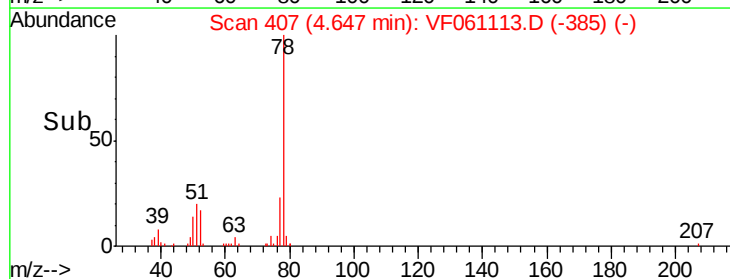
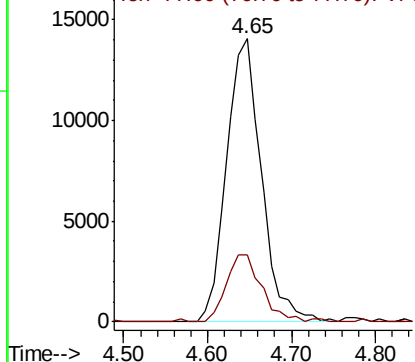


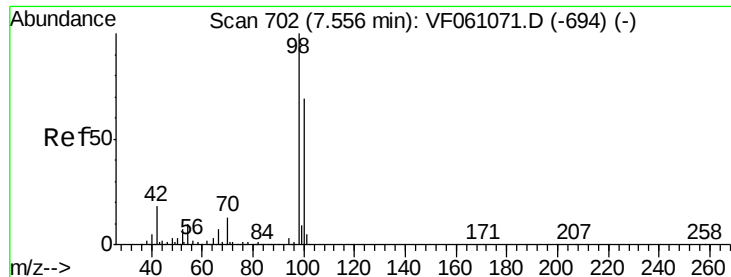
#40
Benzene
Concen: 5.783 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 78 Resp: 40497
Ion Ratio Lower Upper
78 100
77 23.5 20.7 31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

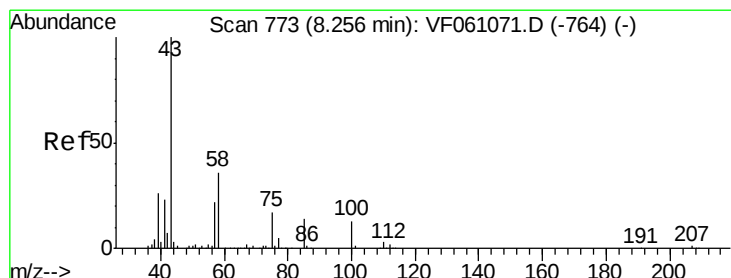
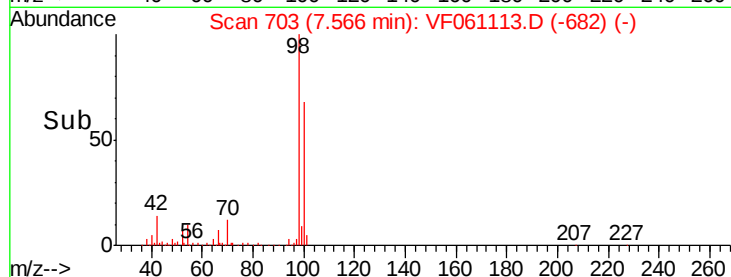
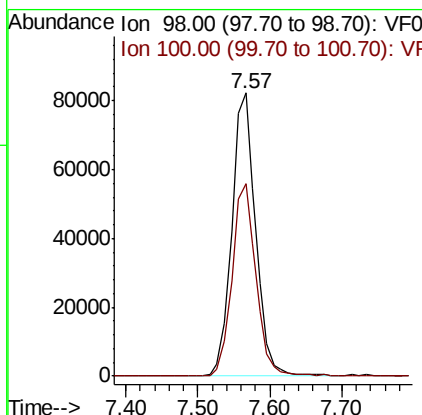
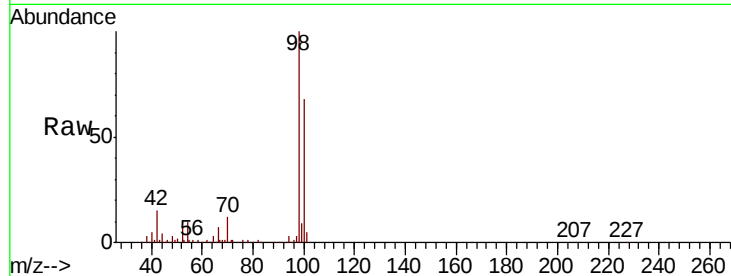




#50
Toluene-d8
Concen: 30.927 ug/l
RT: 7.57 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

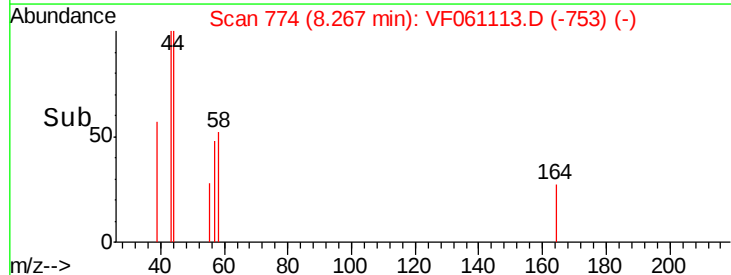
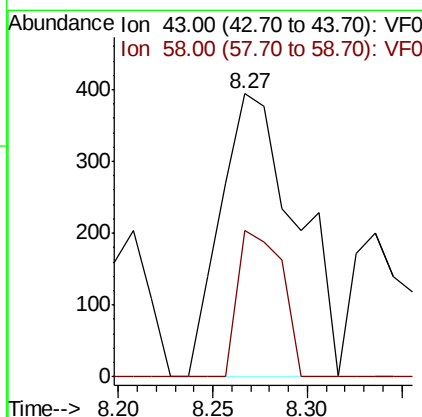
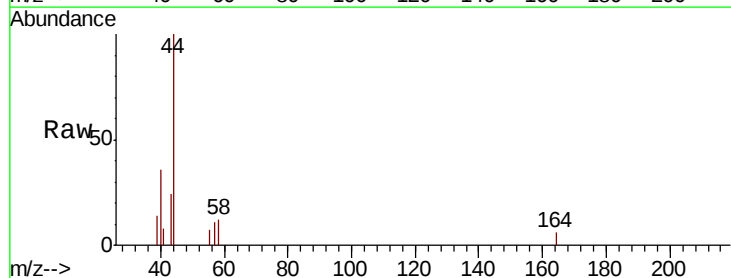
Instrument :
MSVOA_F
ClientSampleId :

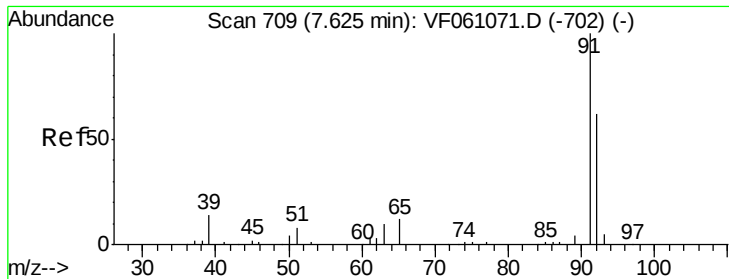
Tot Ion: 98 Resp: 189416
Ion Ratio Lower Upper
98 100
100 68.1 55.3 82.9



#51
4-Methyl-2-Pentanone
Concen: 1.013 ug/l
RT: 8.27 min Scan# 774
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 43 Resp: 1092
Ion Ratio Lower Upper
43 100
58 51.8 29.1 43.7#





#52

Toluene

Concen: 1.315 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

Instrument :

MSVOA_F

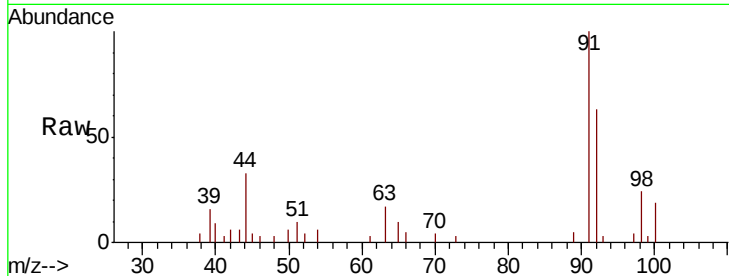
ClientSampleId :

Tot Ion: 92 Resp: 6097

Ion Ratio Lower Upper

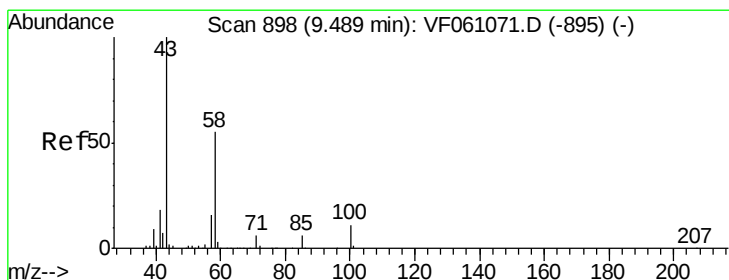
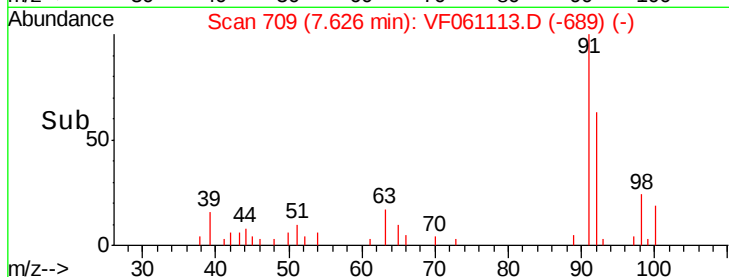
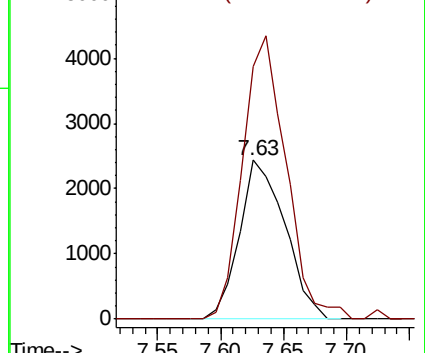
92 100

91 159.1 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#59

2-Hexanone

Concen: 1.577 ug/l

RT: 9.50 min Scan# 899

Delta R.T. 0.01 min

Lab File: VF061113.D

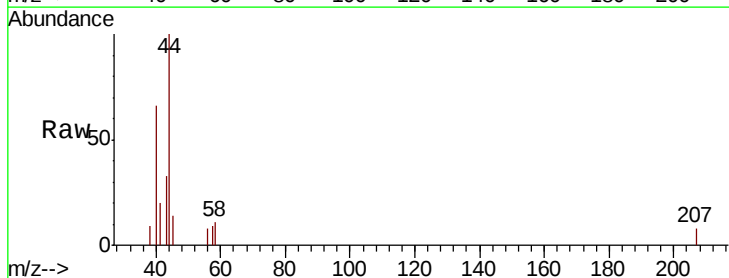
Acq: 20 Dec 2018 17:40

Tgt Ion: 43 Resp: 1230

Ion Ratio Lower Upper

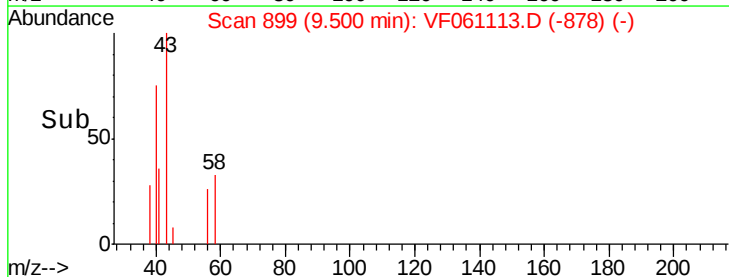
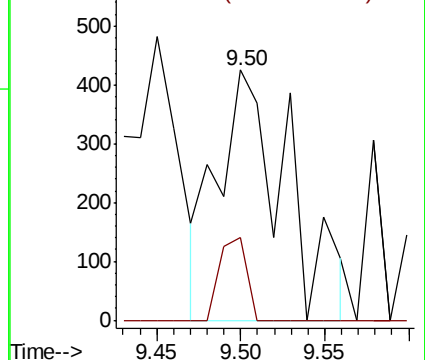
43 100

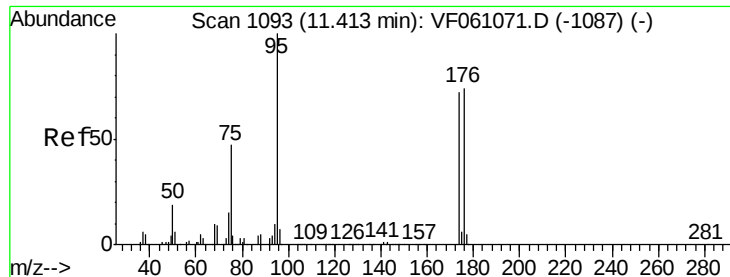
58 32.9 25.1 75.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

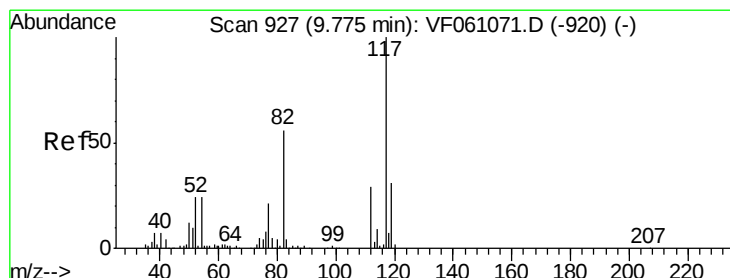
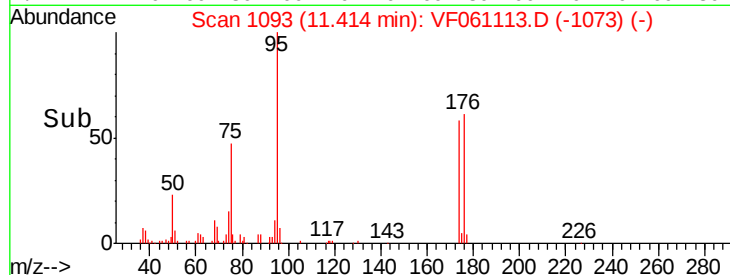
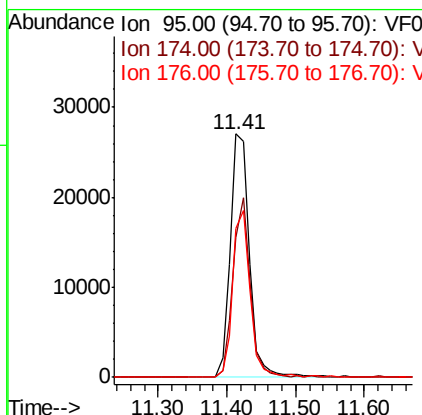
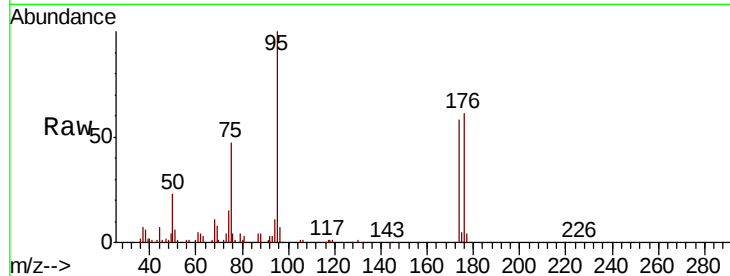




#62
4-Bromofluorobenzene
Concen: 18.472 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

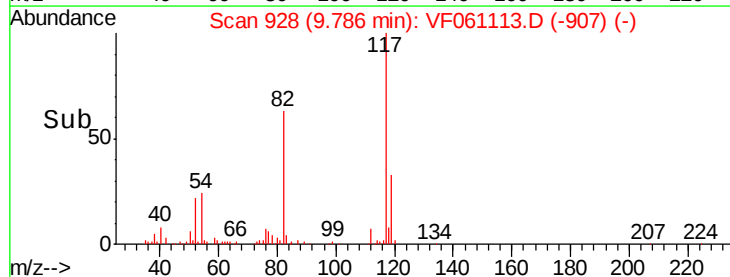
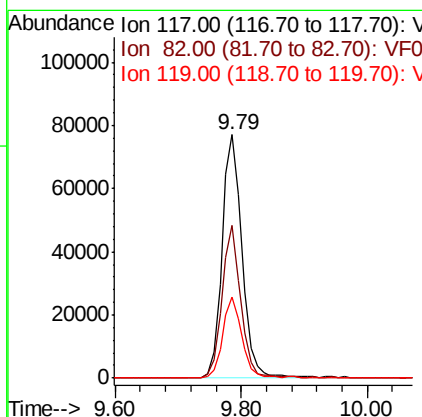
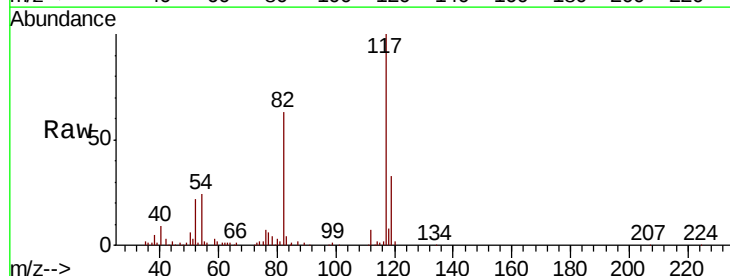
Instrument :
MSVOA_F
ClientSampleId :

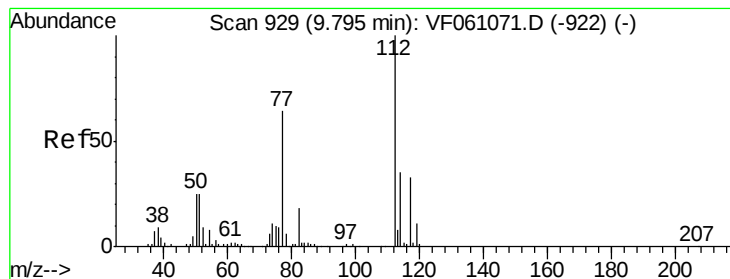
Tot Ion: 95 Resp: 52156
Ion Ratio Lower Upper
95 100
174 57.7 0.0 143.8
176 61.1 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 117 Resp: 170693
Ion Ratio Lower Upper
117 100
82 63.0 45.0 67.4
119 33.4 24.8 37.2





#65

Chlorobenzene

Concen: 9.954 ug/l

RT: 9.81 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

Instrument :

MSVOA_F

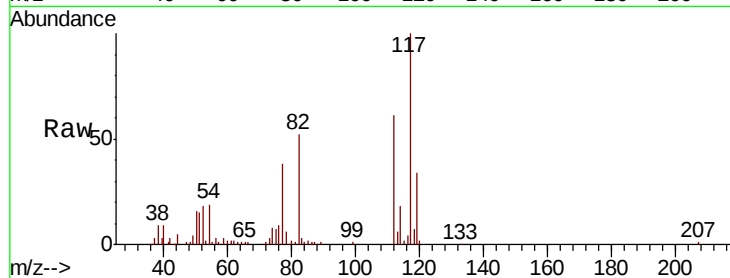
ClientSampled :

Tot Ion:112 Resp: 35101

Ion Ratio Lower Upper

112 100

114 30.0 27.8 41.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.81

15000

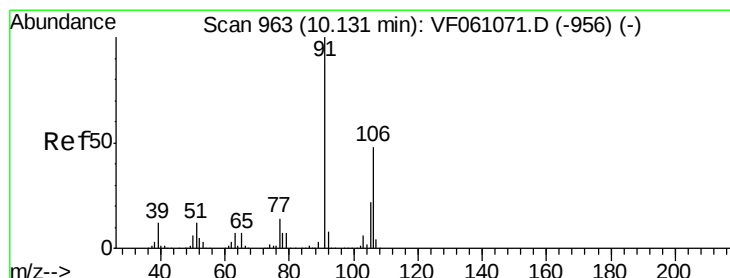
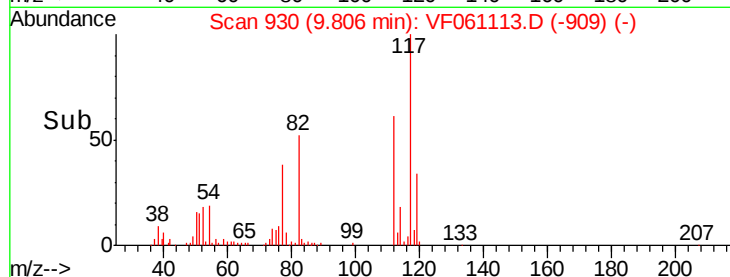
10000

5000

0

9.70 9.80 9.90

Time-->



#68

m/p-Xylenes

Concen: 343.976 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061113.D

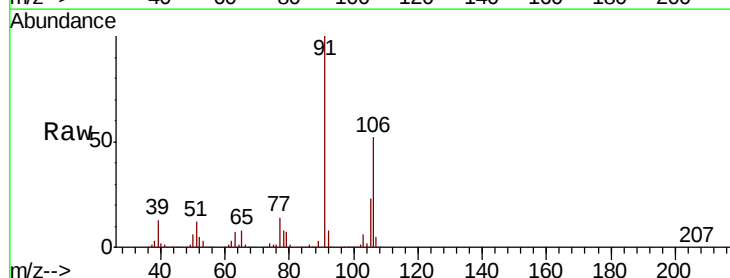
Acq: 20 Dec 2018 17:40

Tgt Ion:106 Resp: 777673

Ion Ratio Lower Upper

106 100

91 192.5 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.14

600000

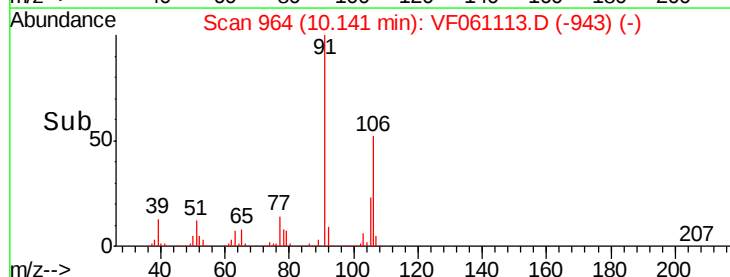
400000

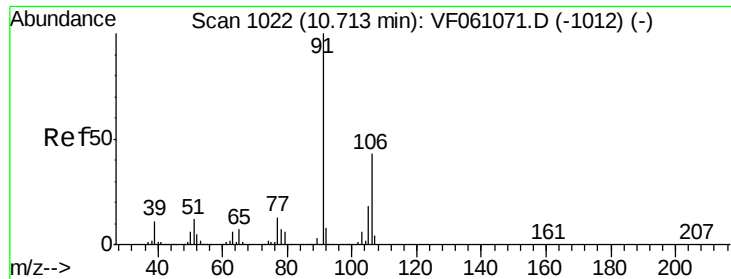
200000

0

10.00 10.10 10.20 10.30

Time-->

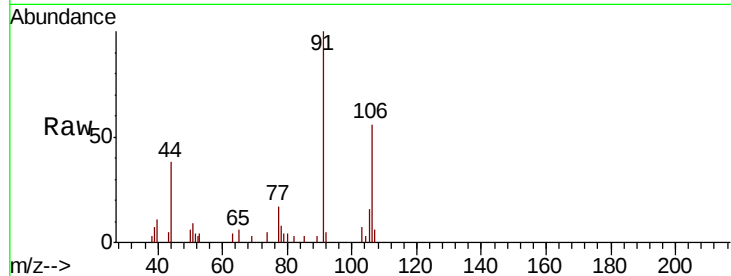




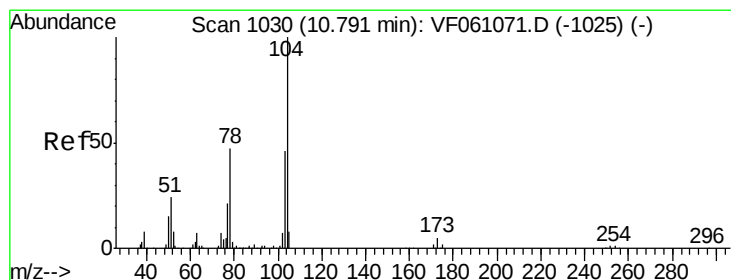
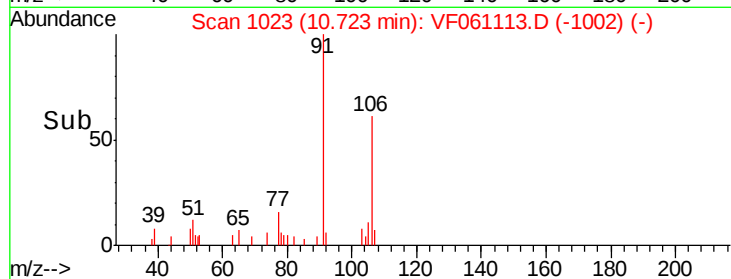
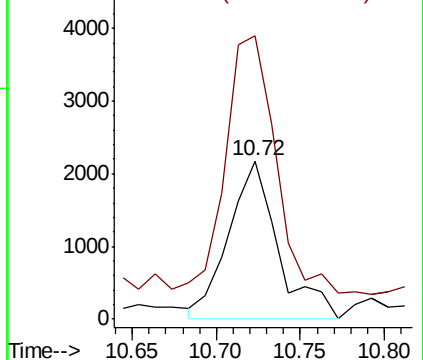
#69
o-Xylene
Concen: 1.774 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 4448
Ion Ratio Lower Upper
106 100
91 179.1 115.9 347.7

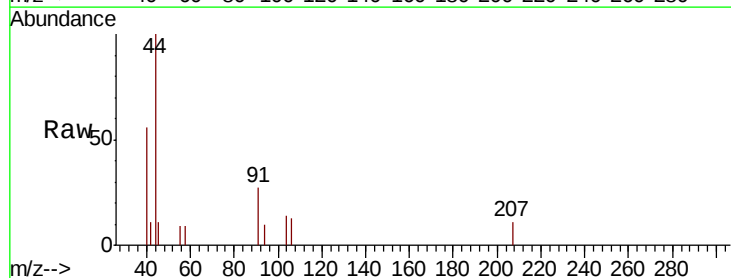


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

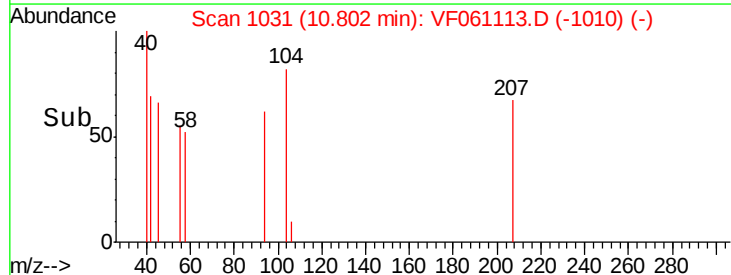
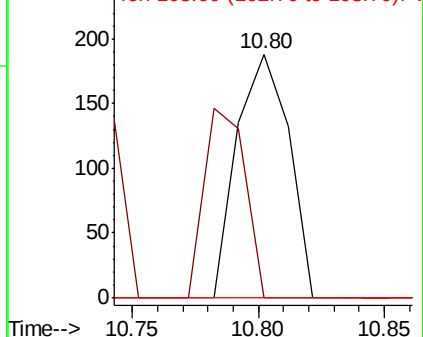


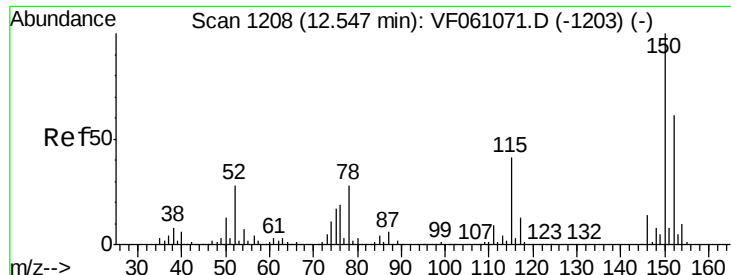
#70
Styrene
Concen: Below Cal
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:104 Resp: 269
Ion Ratio Lower Upper
104 100
78 0.0 38.4 57.6#
103 0.0 37.0 55.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



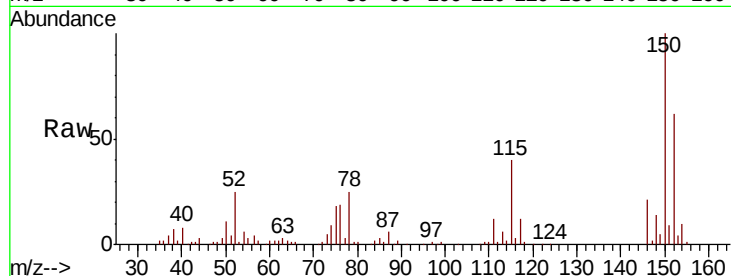


#72

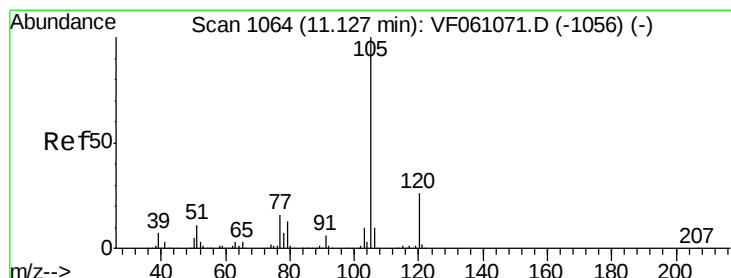
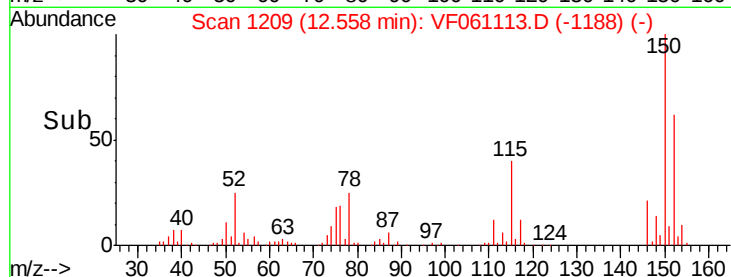
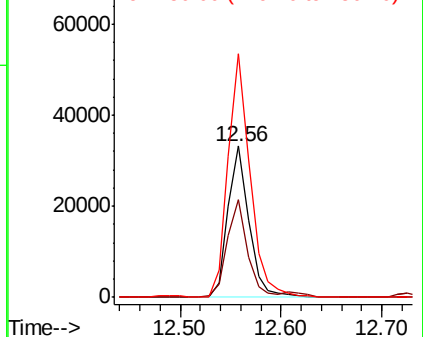
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 48646
Ion Ratio Lower Upper
152 100
115 64.2 33.3 99.9
150 160.9 0.0 328.2



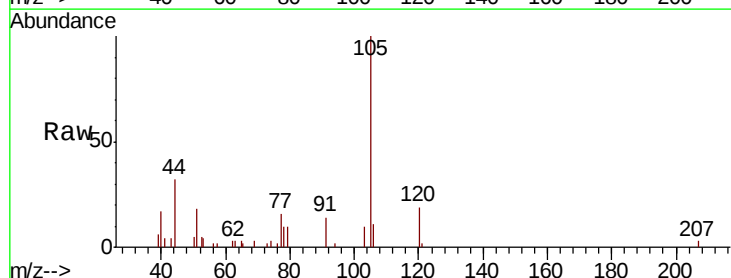
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



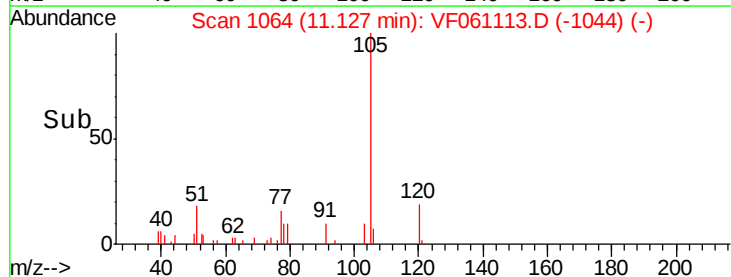
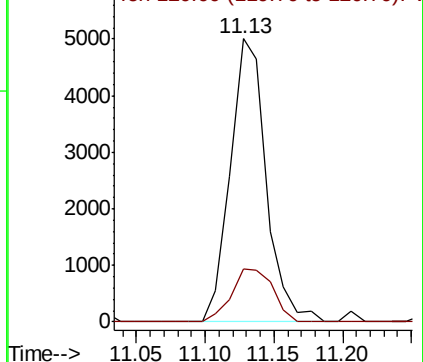
#73

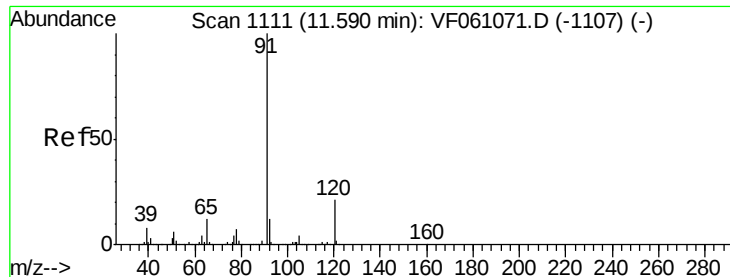
Isopropylbenzene
Concen: 2.167 ug/l
RT: 11.13 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:105 Resp: 9083
Ion Ratio Lower Upper
105 100
120 18.8 13.0 39.0



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





#78

n-propylbenzene

Concen: 1.289 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

Instrument :

MSVOA_F

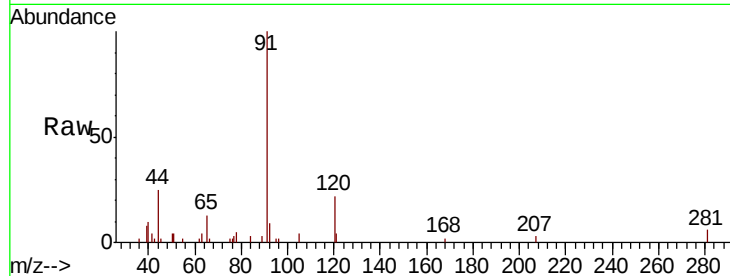
ClientSampleId :

Tot Ion: 91 Resp: 8286

Ion Ratio Lower Upper

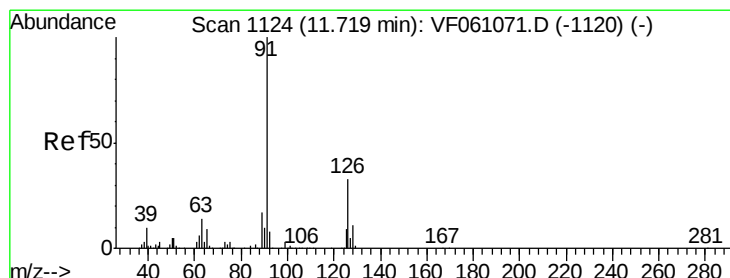
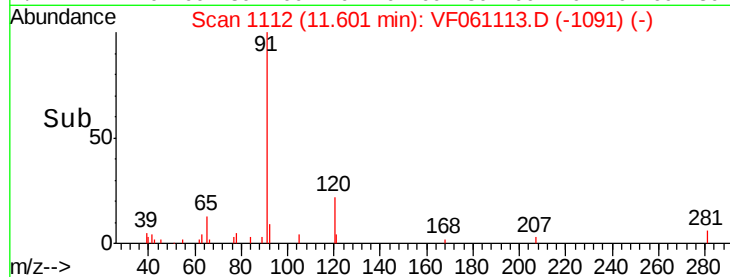
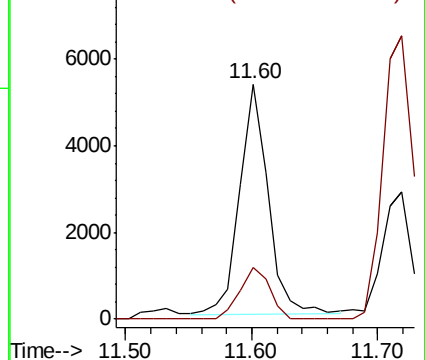
91 100

120 22.1 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.805 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF061113.D

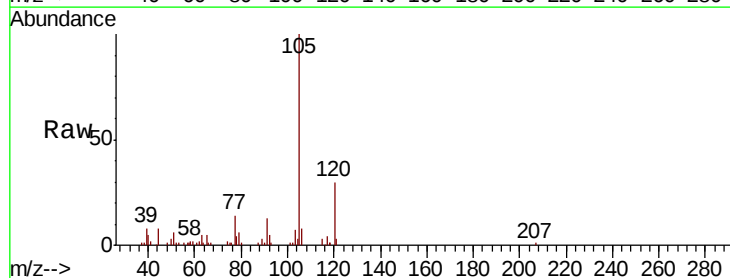
Acq: 20 Dec 2018 17:40

Tgt Ion: 91 Resp: 5191

Ion Ratio Lower Upper

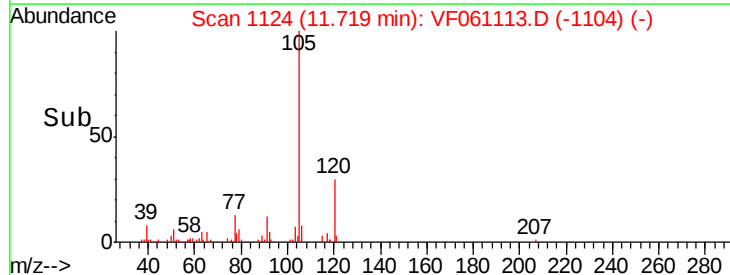
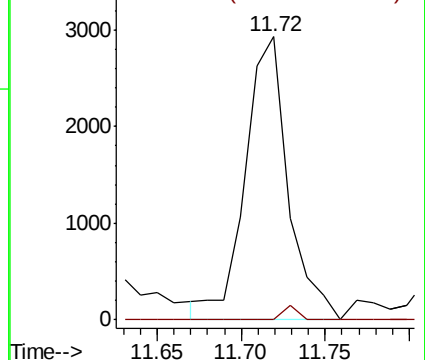
91 100

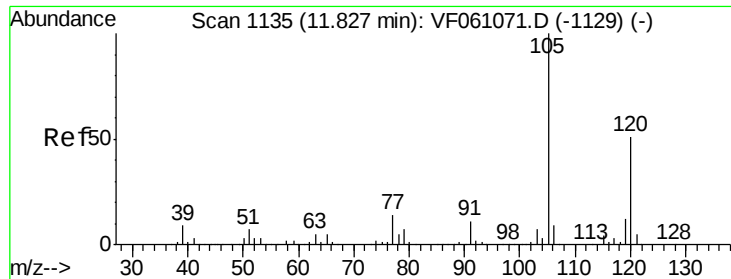
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: 7.376 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

Instrument :

MSVOA_F

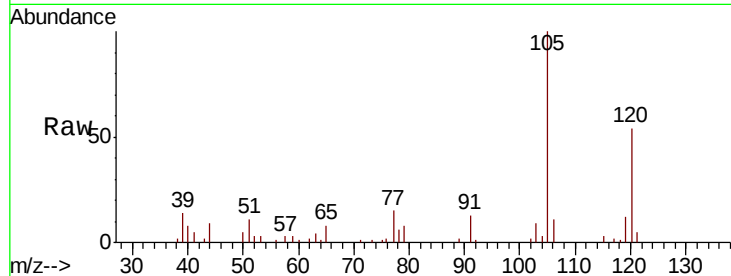
ClientSampleId :

Tot Ion:105 Resp: 25462

Ion Ratio Lower Upper

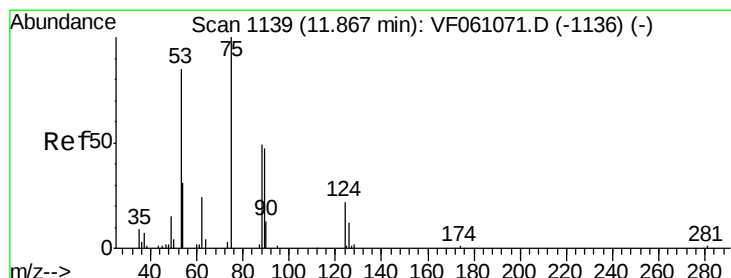
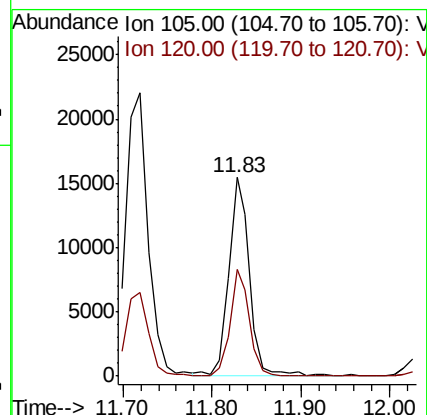
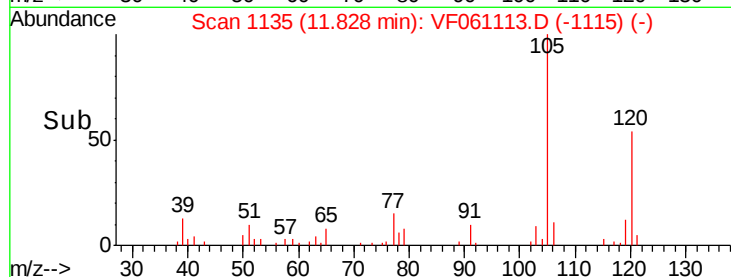
105 100

120 53.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 2.297 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. -0.03 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

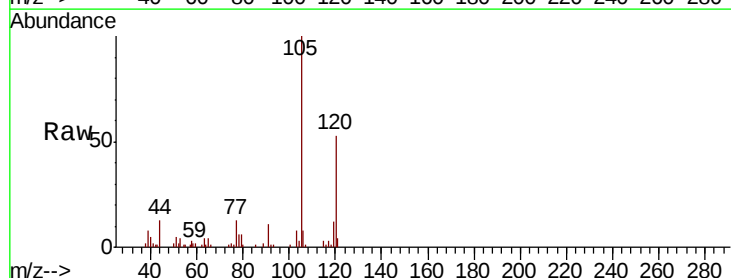
Tgt Ion: 75 Resp: 511

Ion Ratio Lower Upper

75 100

53 177.9 74.1 111.1#

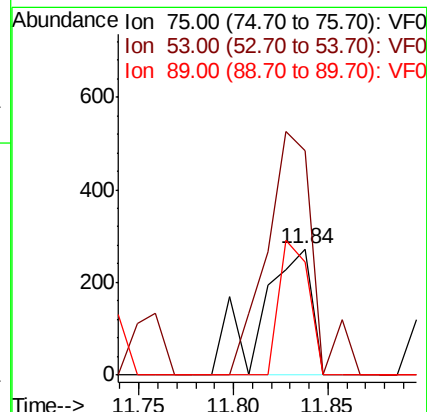
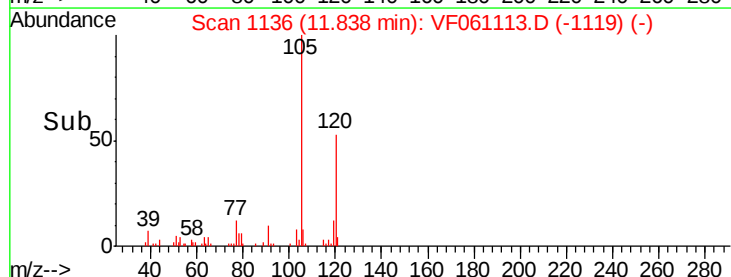
89 89.3 42.6 64.0#

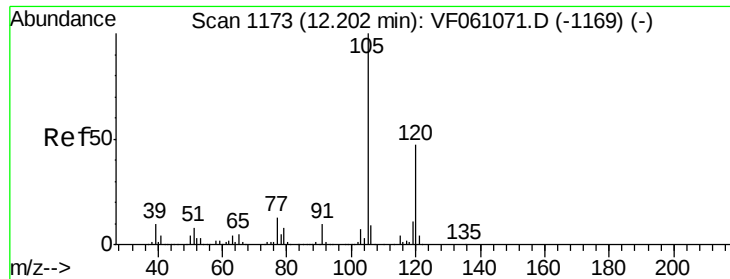


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

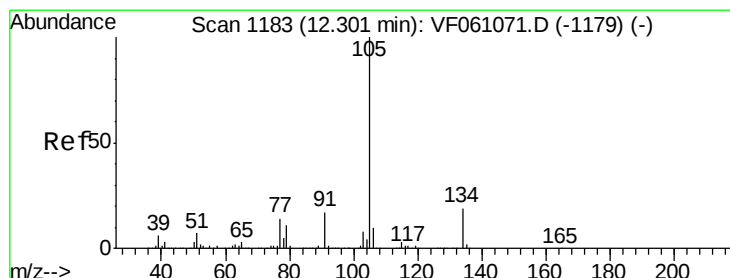
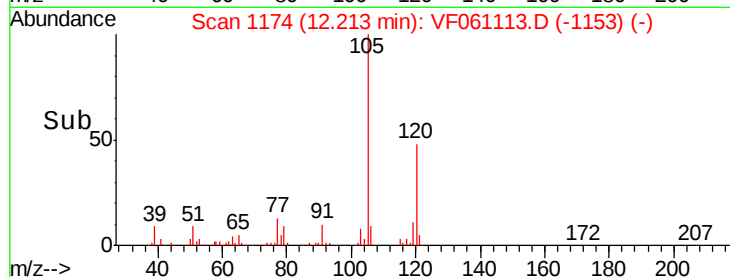
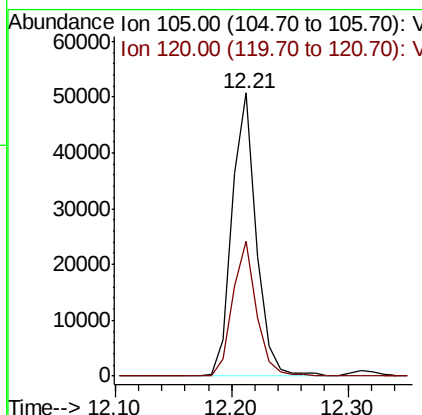
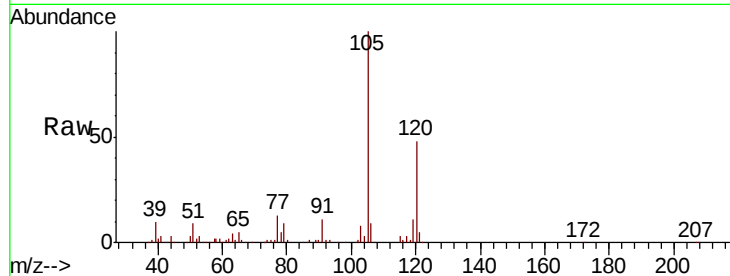




#84
 1,2,4-Trimethylbenzene
 Concen: 21.286 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

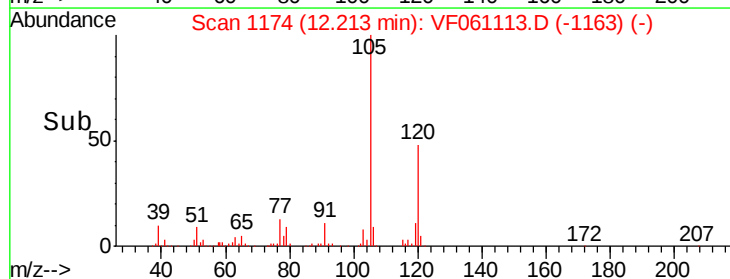
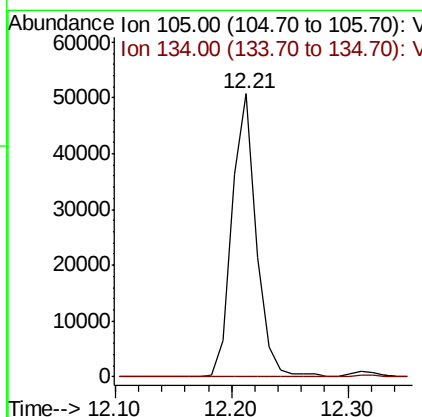
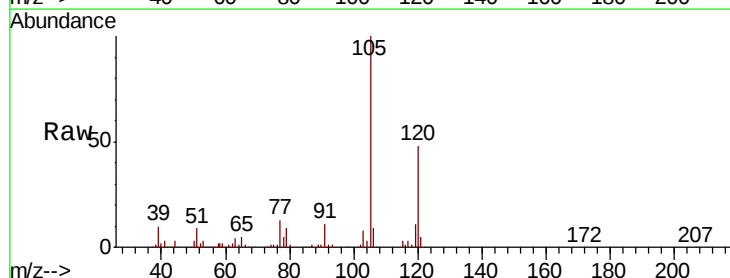
Instrument :
 MSVOA_F
 ClientSampleId :

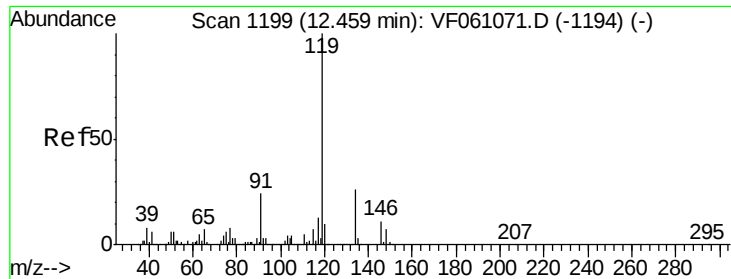
Tot Ion:105 Resp: 73271
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.6 71.0



#85
 sec-Butylbenzene
 Concen: 15.807 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.09 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

Tgt Ion:105 Resp: 73271
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#

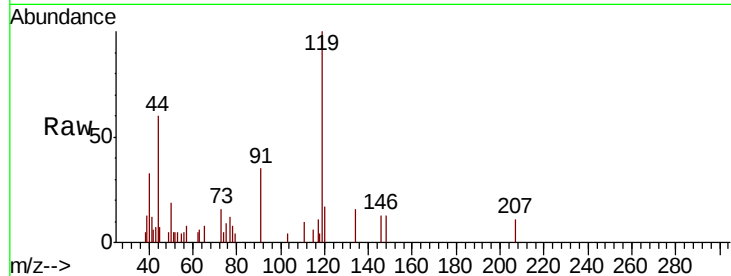




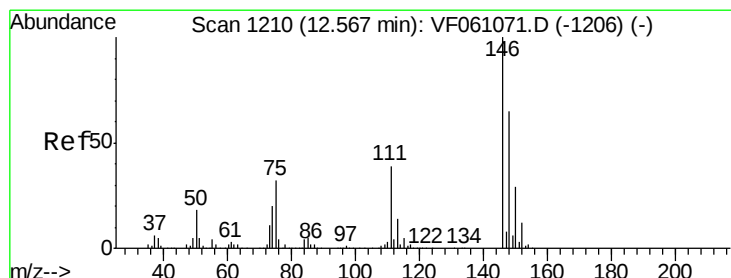
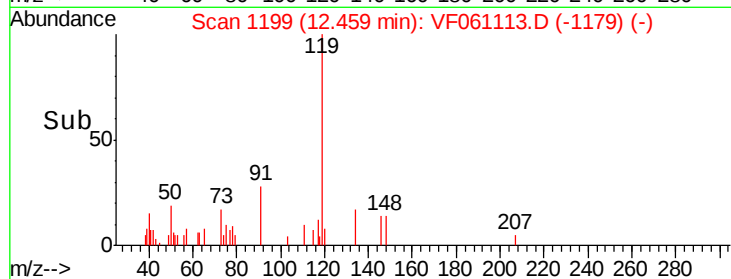
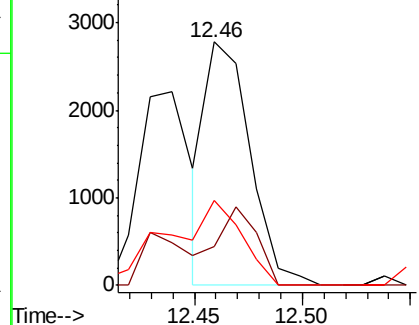
#86
 p-Isopropyltoluene
 Concen: 1.032 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:119 Resp: 3969
 Ion Ratio Lower Upper
 119 100
 134 15.8 12.8 38.4
 91 34.7 12.2 36.6

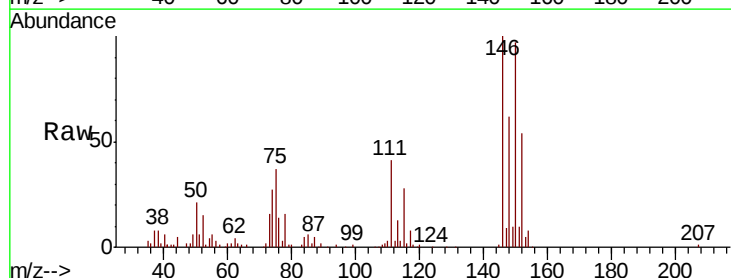


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

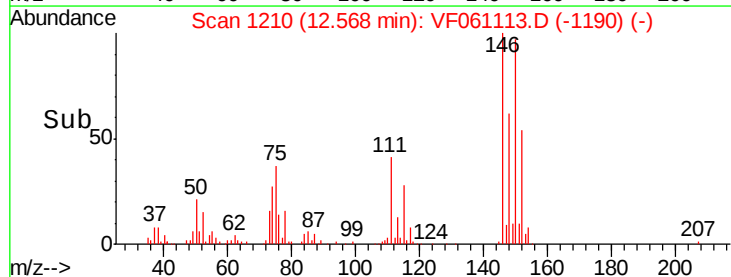
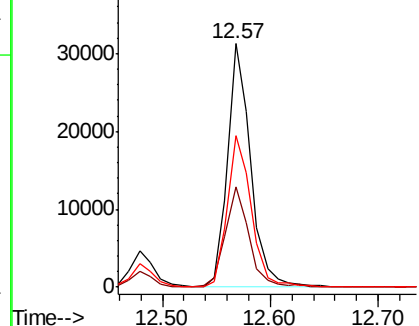


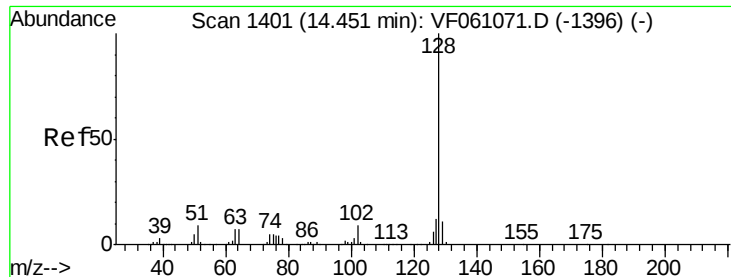
#88
 1,4-Dichlorobenzene
 Concen: 28.161 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

Tgt Ion:146 Resp: 46665
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.4 58.4
 148 62.4 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

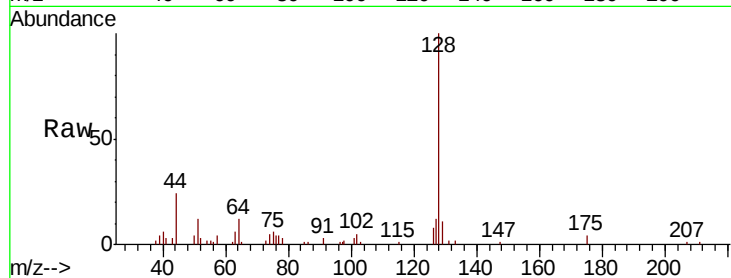




#95
Naphthalene
Concen: 6.593 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.4	14.2
129	11.5	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

