

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062063.D
 Acq On : 21 Mar 2019 16:26
 Operator : VA/AP
 Sample : K1994-05
 Misc : 4.63g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 40021

Quant Time: Mar 22 08:08:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	187564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	359687	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	218362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	56837	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	108440	80.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	160.64%	
35) Dibromofluoromethane	4.13	113	142104	58.83	ug/l	0.02
Spiked Amount	50.000		Recovery	=	117.66%	
50) Toluene-d8	7.56	98	267678	37.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.82%	
62) 4-Bromofluorobenzene	11.42	95	81849	29.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.36%	

Target Compounds					Qvalue	
13) Acrolein	2.09	56	92	1.032	ug/l	86
16) Acetone	2.25	43	10221	33.712	ug/l	95
18) Methyl Acetate	2.38	43	4710	6.855	ug/l	98
20) Methylene Chloride	2.19	84	4339	2.743	ug/l	95
25) 2-Butanone	4.36	43	1573	2.620	ug/l	98
29) Tetrahydrofuran	4.13	42	314	1.202	ug/l #	33
49) 1,4-Dioxane	6.42	88	62	6.250	ug/l #	15
51) 4-Methyl-2-Pentanone	8.28	43	6985	5.700	ug/l #	52
56) Ethyl methacrylate	8.63	69	8570	5.137	ug/l #	83
59) 2-Hexanone	9.54	43	2811	3.170	ug/l #	23
67) Ethyl Benzene	9.91	91	15850	2.277	ug/l	97
68) m/p-Xylenes	10.13	106	9684	3.699	ug/l	92
69) o-Xylene	10.73	106	23080	8.239	ug/l	89
73) Isopropylbenzene	11.13	105	29794	7.588	ug/l	97
74) N-amyl acetate	11.28	43	63155	70.193	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	11.67	83	15288	23.588	ug/l #	1
76) 1,2,3-Trichloropropane	11.83	75	1757	3.877	ug/l #	1
78) n-propylbenzene	11.60	91	99038	21.935	ug/l	94
79) 2-Chlorotoluene	11.71	91	50783	19.926	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.83	105	204274	64.401	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	1757	8.763	ug/l #	1
82) 4-Chlorotoluene	11.83	91	19666	7.631	ug/l #	39
83) tert-Butylbenzene	12.21	119	55193	16.638	ug/l #	66
84) 1,2,4-Trimethylbenzene	12.21	105	447770	140.938	ug/l	99
85) sec-Butylbenzene	12.31	105	135509	30.235	ug/l	95
86) p-Isopropyltoluene	12.43	119	338554	90.527	ug/l	98
89) n-Butylbenzene	12.85	91	254598	72.449	ug/l #	53
90) Hexachloroethane	12.93	117	9835	11.524	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	13.62	75	2910	27.979	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.20	180	3968	3.442	ug/l #	1
95) Naphthalene	14.46	128	228948	110.435	ug/l #	30
96) 1,2,3-Trichlorobenzene	14.65	180	40419	38.114	ug/l #	1

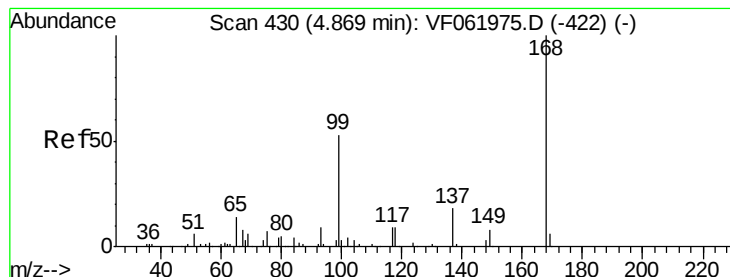
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
Data File : VF062063.D
Acq On : 21 Mar 2019 16:26
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

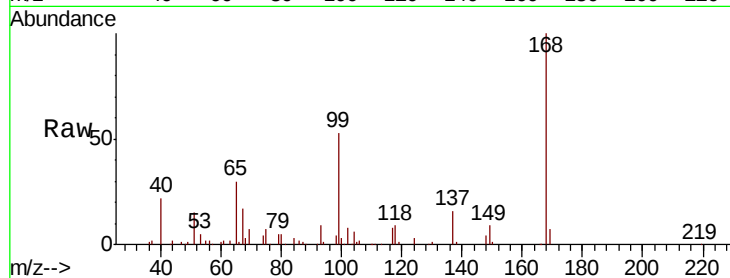
40021

Tgt Ion:168 Resp: 187564

Ion Ratio Lower Upper

168 100

99 52.5 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

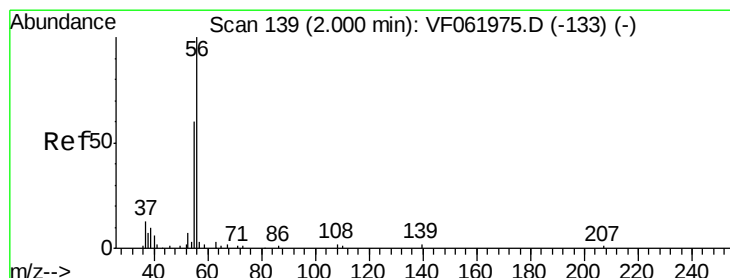
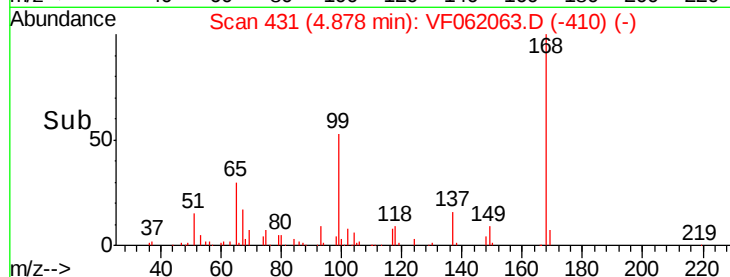
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#13

Acrolein

Concen: 1.032 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.09 min

Lab File: VF062063.D

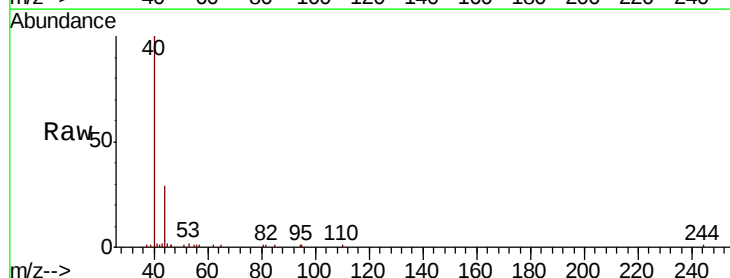
Acq: 21 Mar 2019 16:26

Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 71.8 49.1 73.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

400

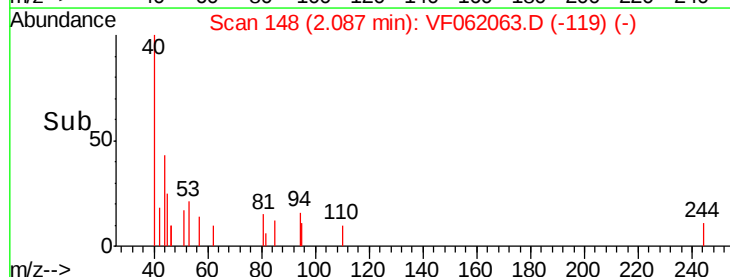
300

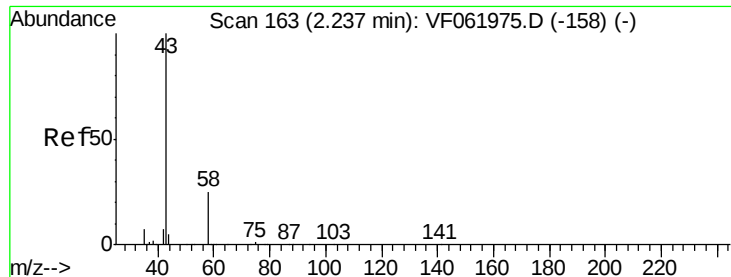
200

100

0

Time--> 2.07 2.08 2.09 2.10

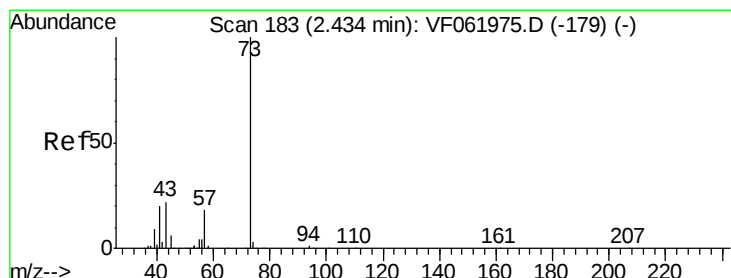
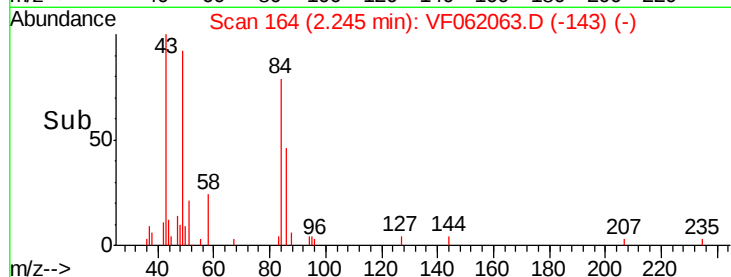
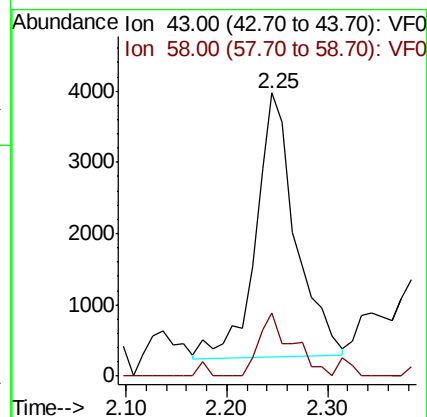
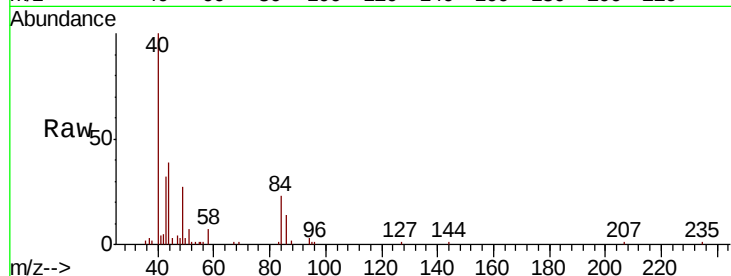




#16
Acetone
Concen: 33.712 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

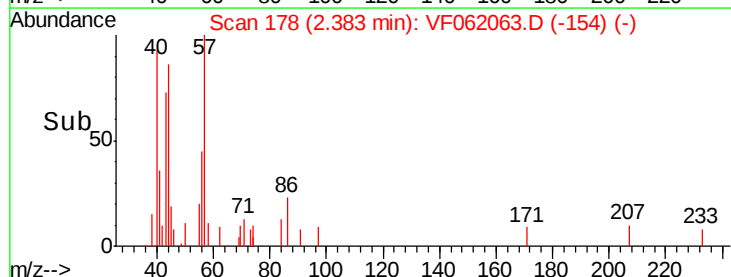
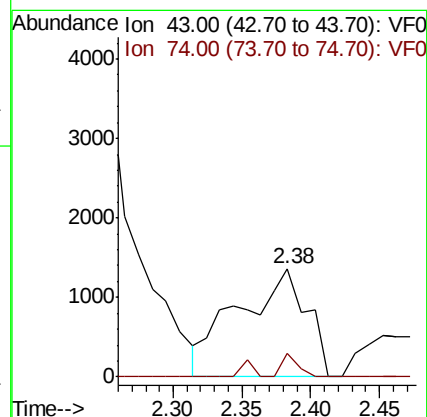
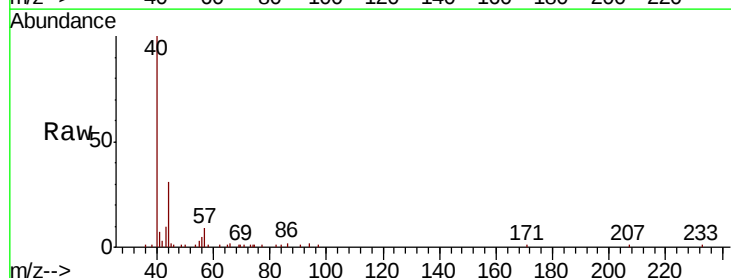
Instrument :
MSVOA_F
ClientSampleId :
40021

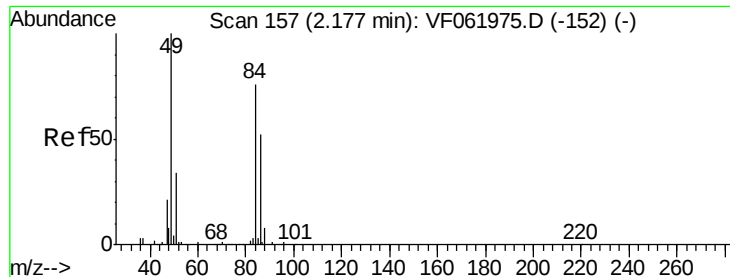
Tgt Ion: 43 Resp: 10221
Ion Ratio Lower Upper
43 100
58 22.3 19.9 29.9



#18
Methyl Acetate
Concen: 6.855 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.04 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion: 43 Resp: 4710
Ion Ratio Lower Upper
43 100
74 22.1 18.3 27.5

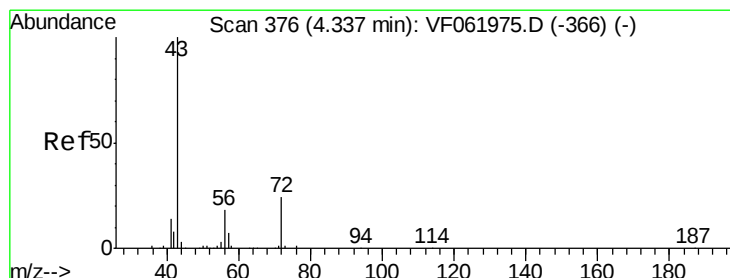
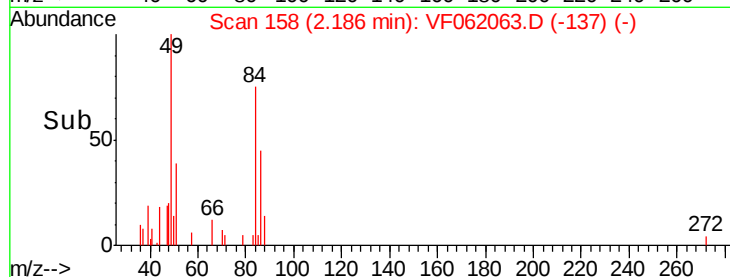
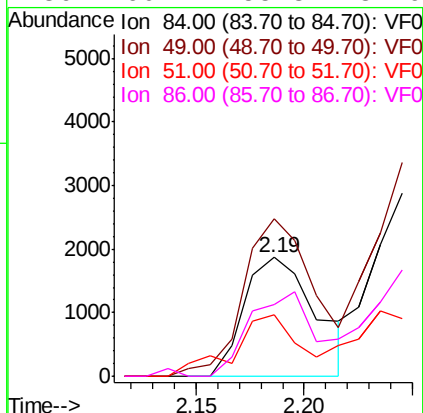
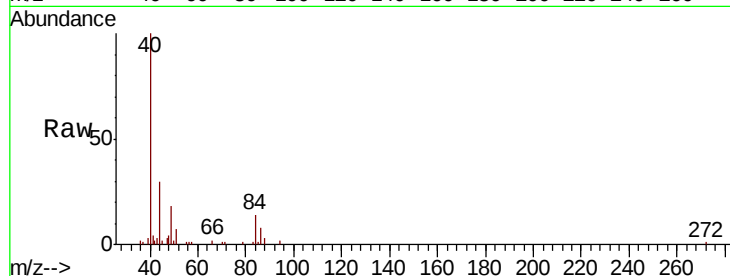




#20
Methylene Chloride
Concen: 2.743 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

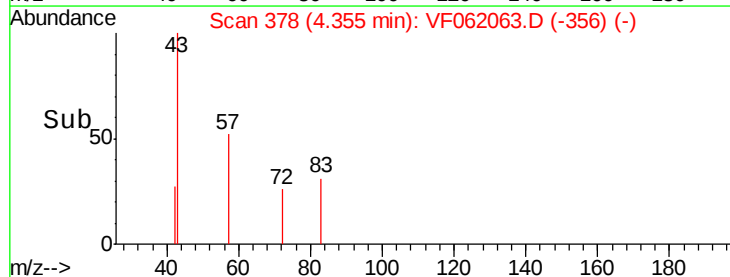
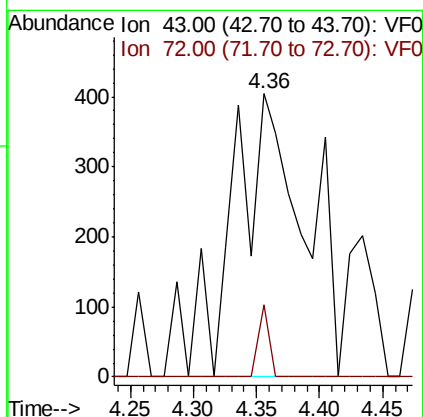
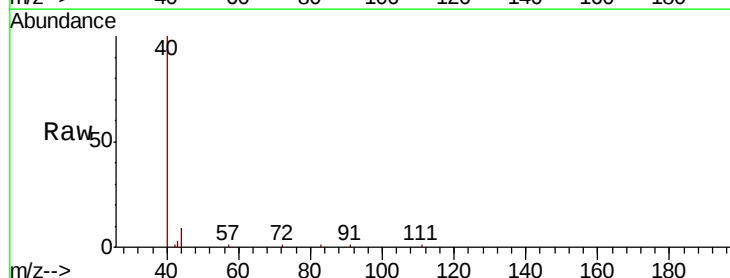
Instrument :
MSVOA_F
ClientSampleId :
40021

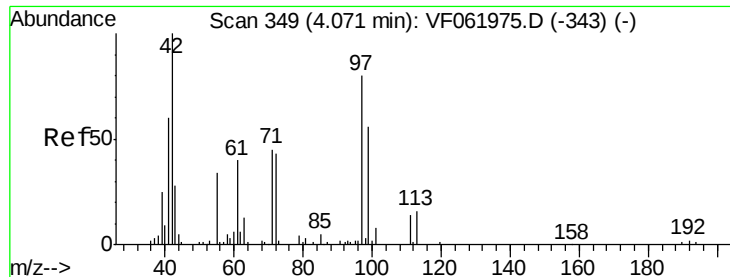
Tgt Ion: 84 Resp: 4339
Ion Ratio Lower Upper
84 100
49 133.2 107.0 160.6
51 51.8 37.2 55.8
86 60.4 55.3 82.9



#25
2-Butanone
Concen: 2.620 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
72 25.7 19.8 29.6





#29

Tetrahydrofuran

Concen: 1.202 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.06 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

40021

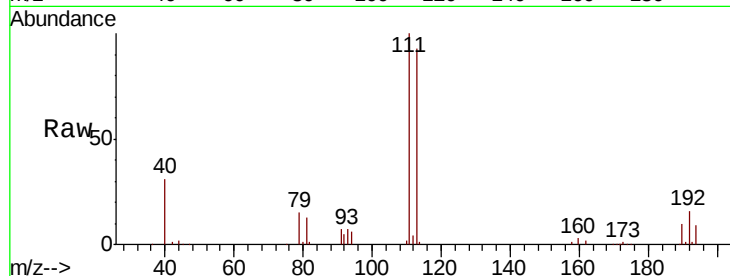
Tgt Ion: 42 Resp: 314

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

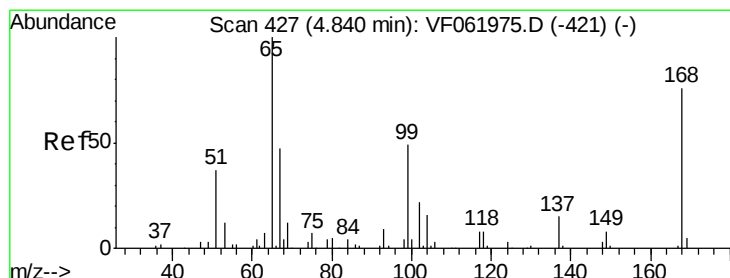
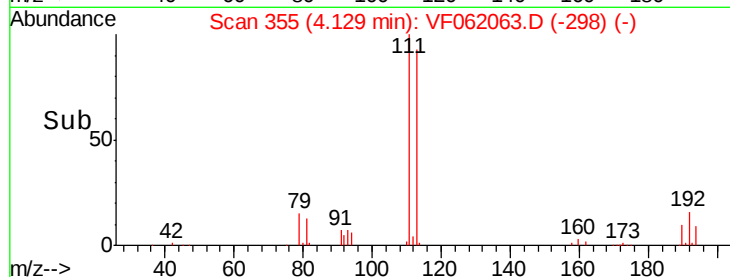
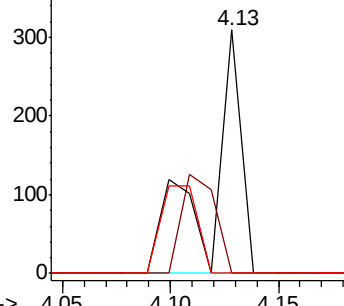
71 0.0 34.2 51.4#



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



#33

1,2-Dichloroethane-d4

Concen: 80.316 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF062063.D

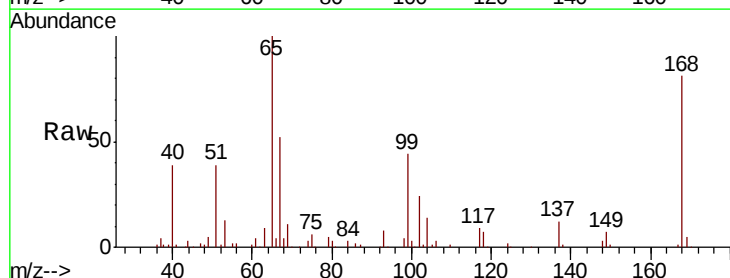
Acq: 21 Mar 2019 16:26

Tgt Ion: 65 Resp: 108440

Ion Ratio Lower Upper

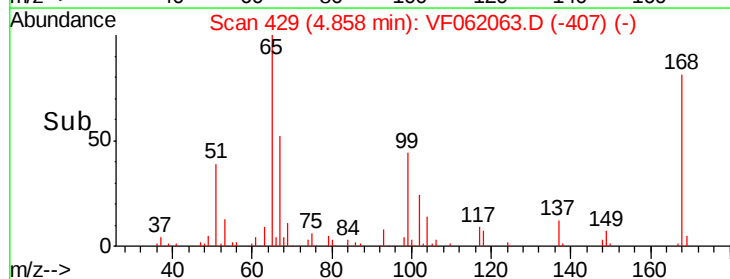
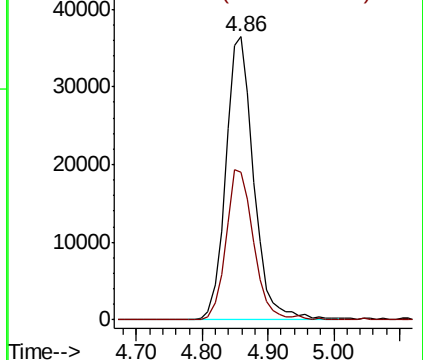
65 100

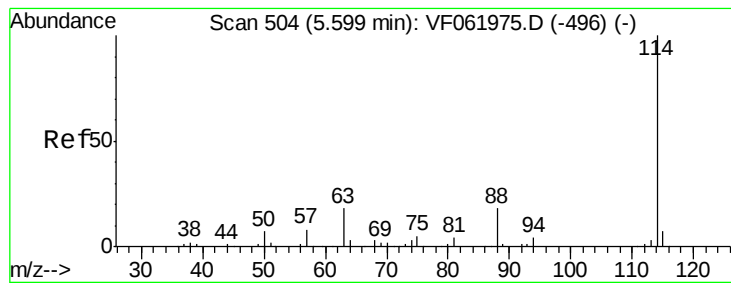
67 52.2 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

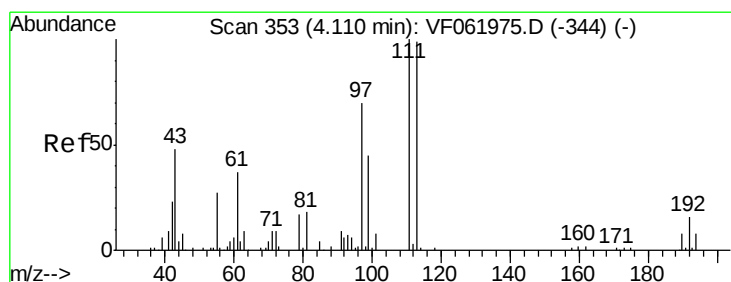
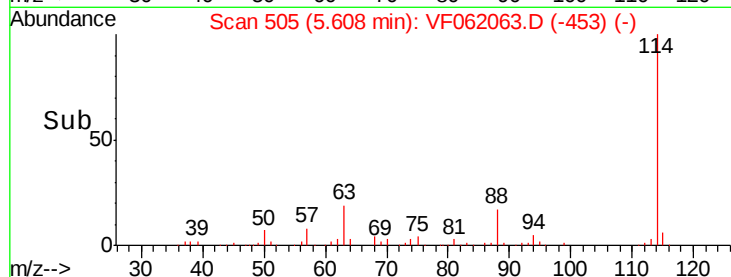
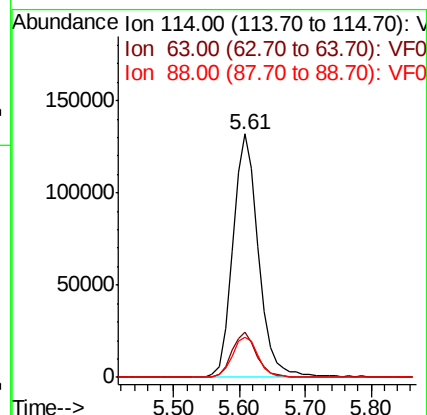
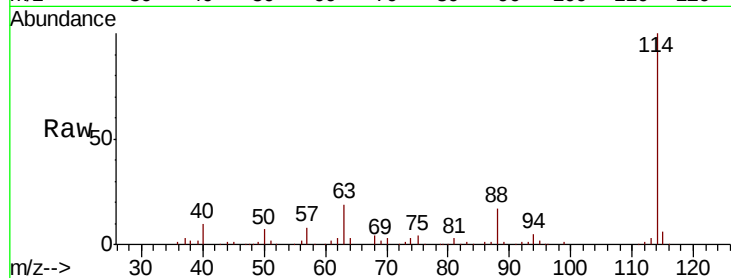




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF062063.D
 Acq: 21 Mar 2019 16:26

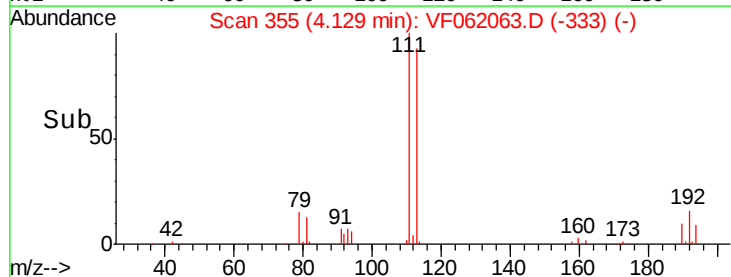
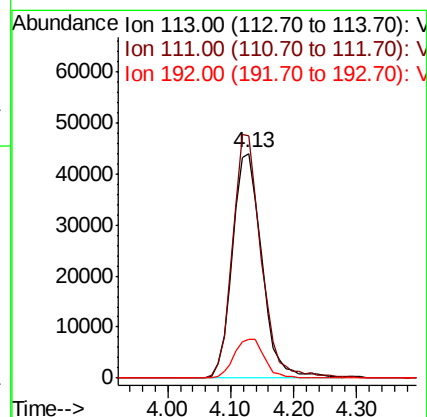
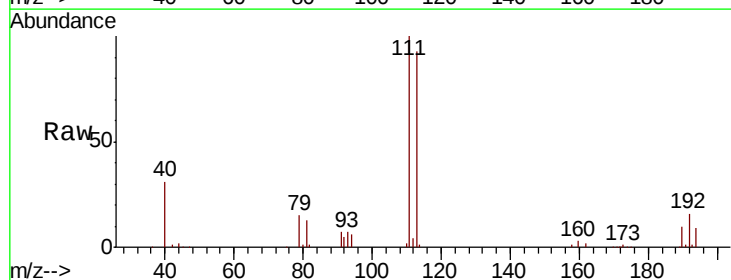
Instrument :
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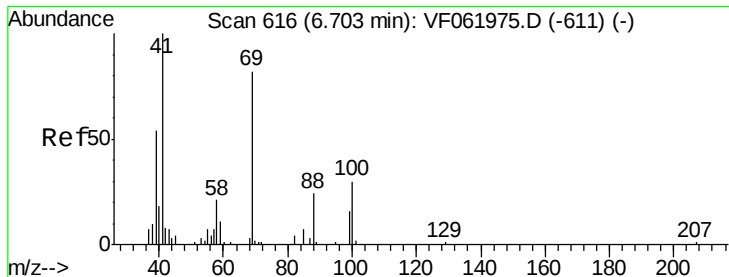
Tgt Ion:114 Resp: 359687
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.4
 88 16.6 0.0 36.4



#35
 Dibromofluoromethane
 Concen: 58.833 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF062063.D
 Acq: 21 Mar 2019 16:26

Tgt Ion:113 Resp: 142104
 Ion Ratio Lower Upper
 113 100
 111 108.0 80.8 121.2
 192 17.5 13.0 19.6





#49

1,4-Dioxane

Concen: 6.250 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.29 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampled :

40021

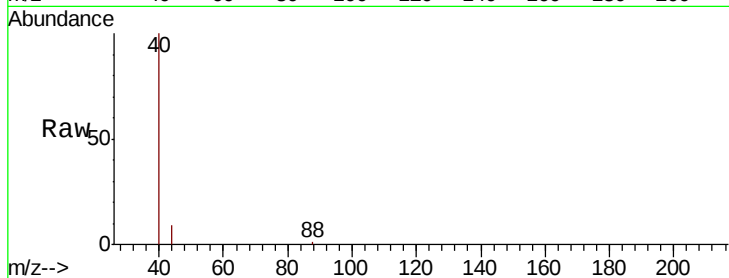
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 31.2 46.8#

58 0.0 69.9 104.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

150

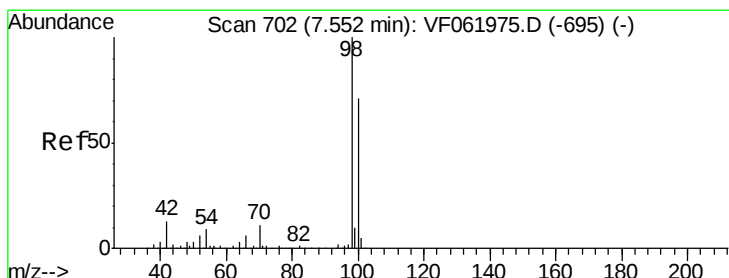
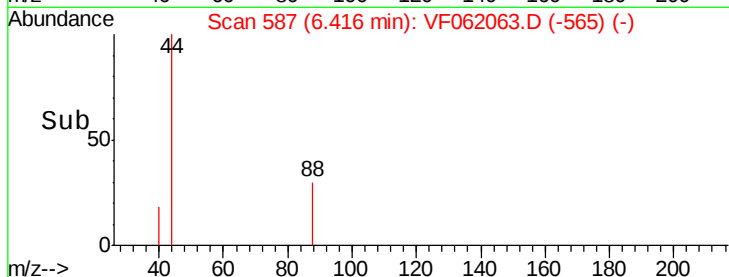
100

50

0

6.38 6.40 6.42 6.44

Time-->



#50

Toluene-d8

Concen: 37.910 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062063.D

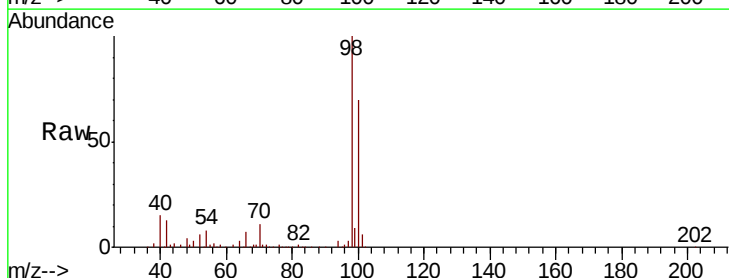
Acq: 21 Mar 2019 16:26

Tgt Ion: 98 Resp: 267678

Ion Ratio Lower Upper

98 100

100 69.8 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

120000

100000

80000

60000

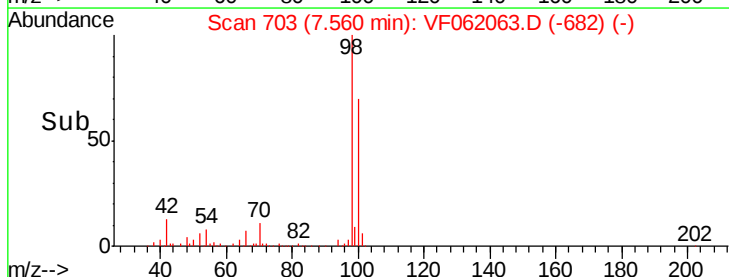
40000

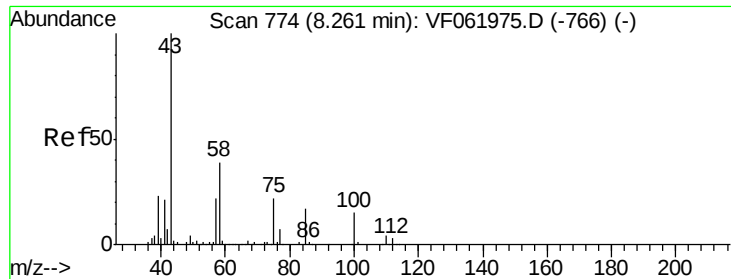
20000

0

7.40 7.50 7.60 7.70

Time-->





#51

4-Methyl-2-Pentanone

Concen: 5.700 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

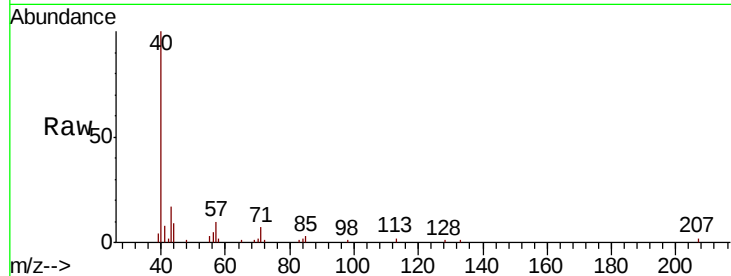
40021

Tgt Ion: 43 Resp: 6985

Ion Ratio Lower Upper

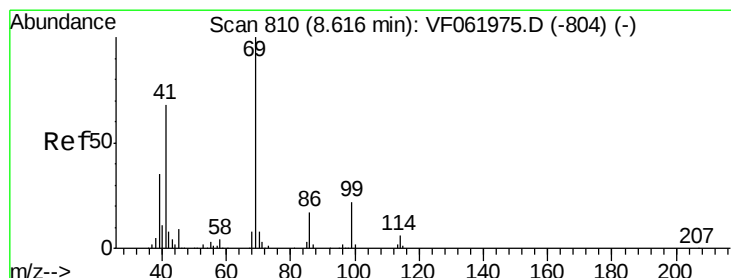
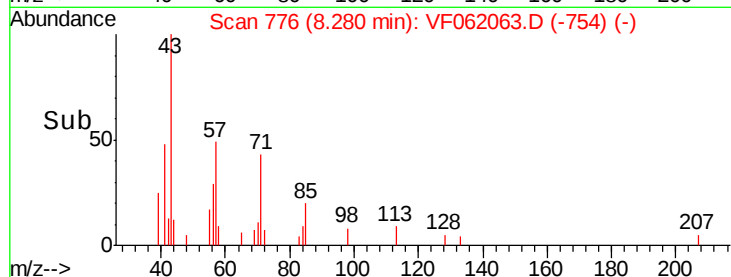
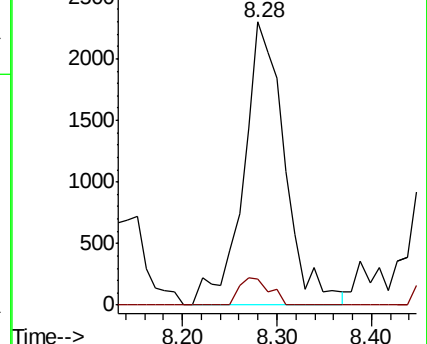
43 100

58 9.4 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#56

Ethyl methacrylate

Concen: 5.137 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.01 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

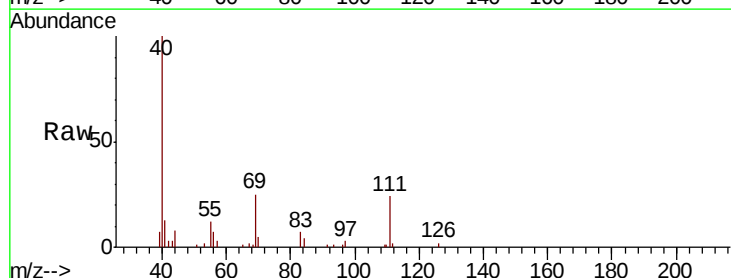
Tgt Ion: 69 Resp: 8570

Ion Ratio Lower Upper

69 100

41 53.2 54.7 82.1#

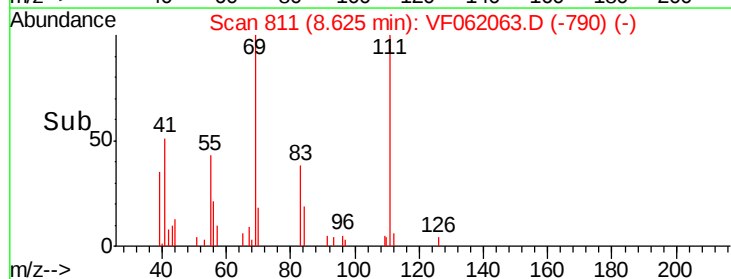
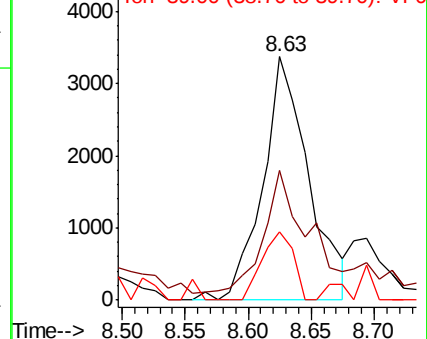
39 27.8 27.9 41.9#

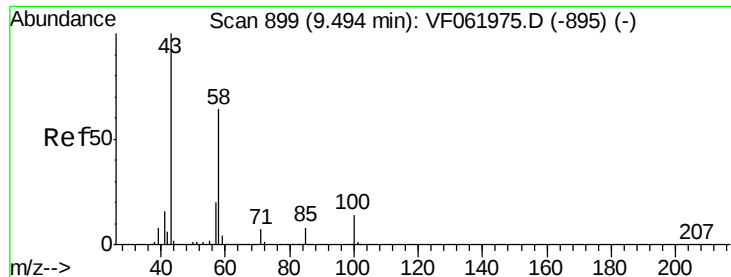


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

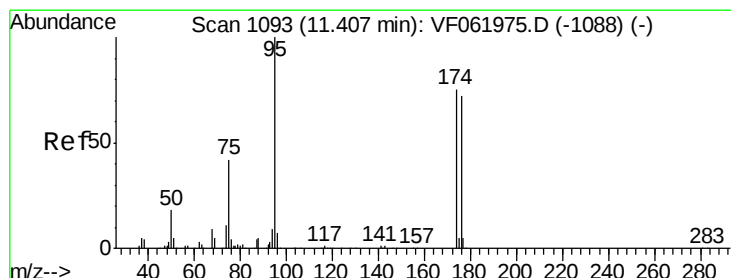
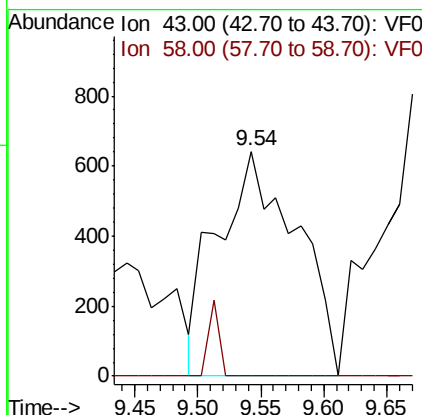
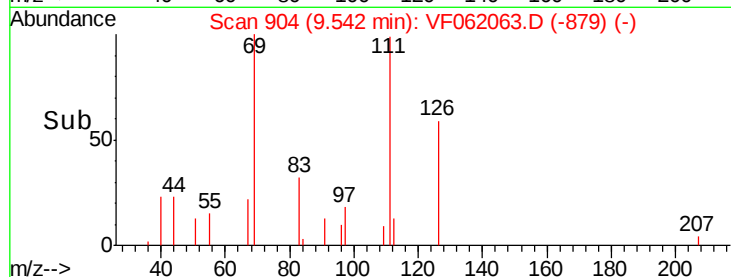
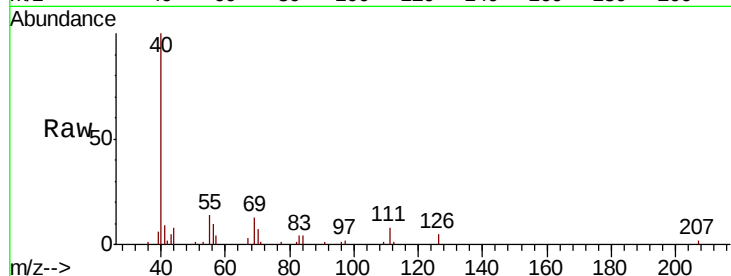




#59
2-Hexanone
Concen: 3.170 ug/l
RT: 9.54 min Scan# 904
Delta R.T. 0.05 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

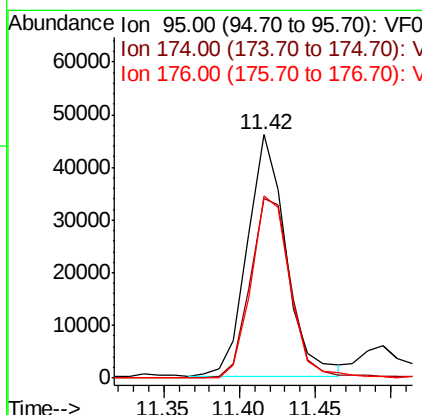
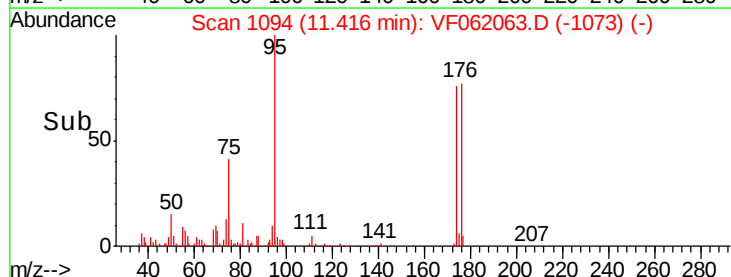
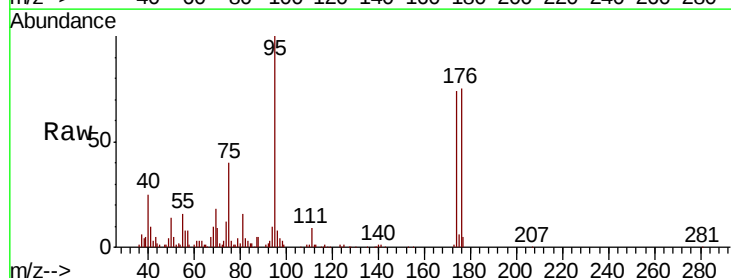
Instrument :
MSVOA_F
ClientSampled :
40021

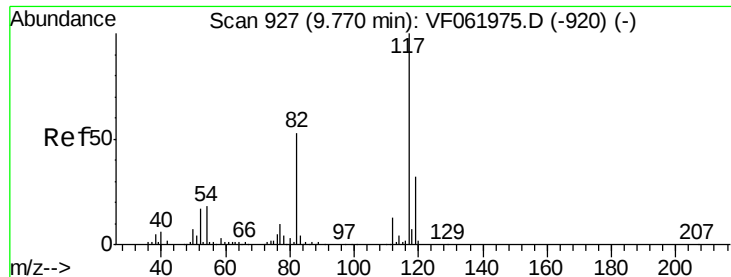
Tgt Ion: 43 Resp: 2811
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 29.180 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion: 95 Resp: 81849
Ion Ratio Lower Upper
95 100
174 74.0 0.0 149.4
176 74.6 0.0 143.4

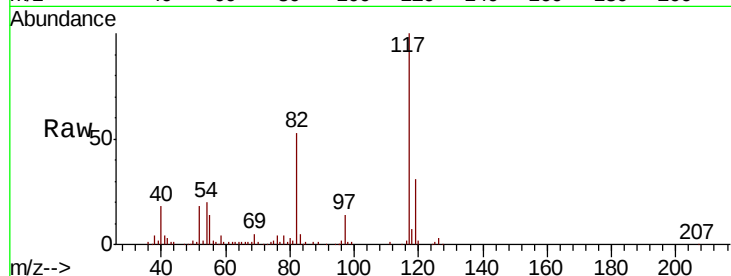




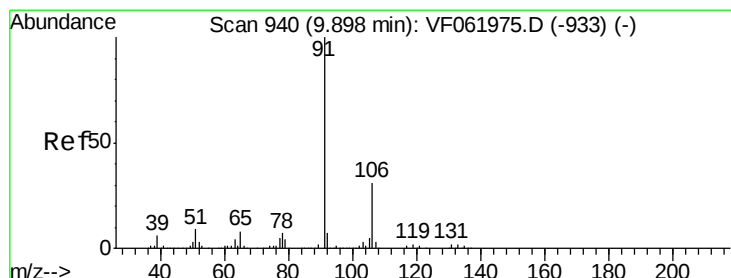
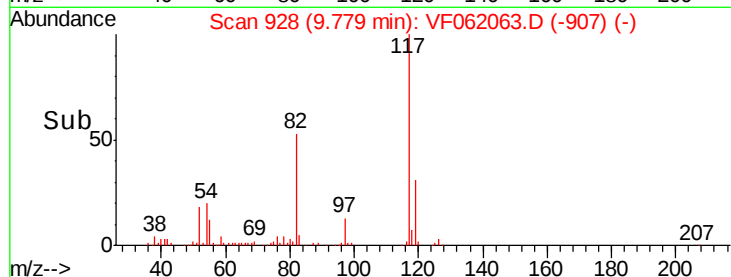
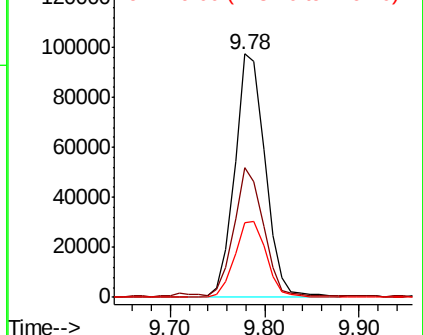
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Instrument :
MSVOA_F
ClientSampleId :
40021

Tgt Ion: 117 Resp: 218362
Ion Ratio Lower Upper
117 100
82 53.2 42.5 63.7
119 30.5 25.4 38.0

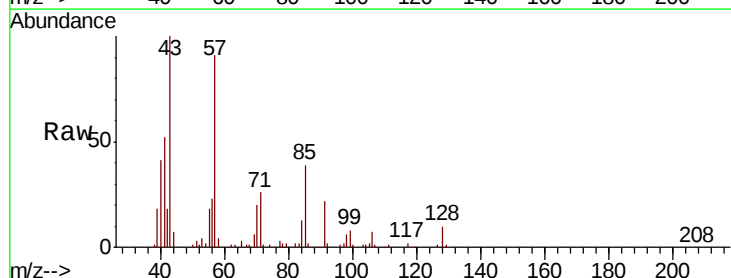


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

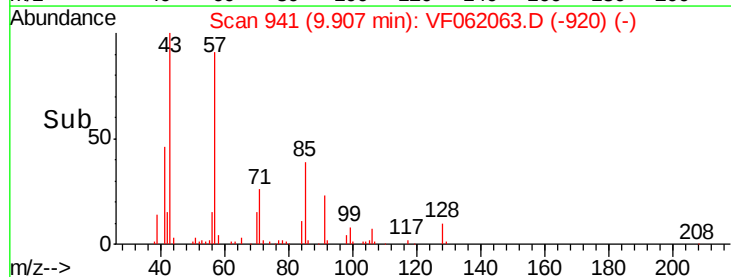
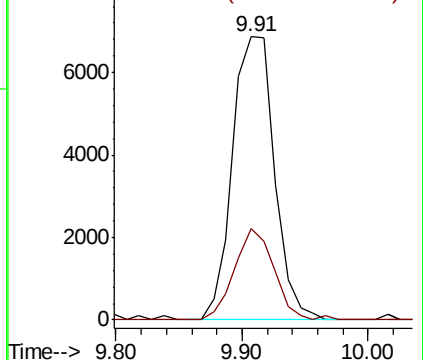


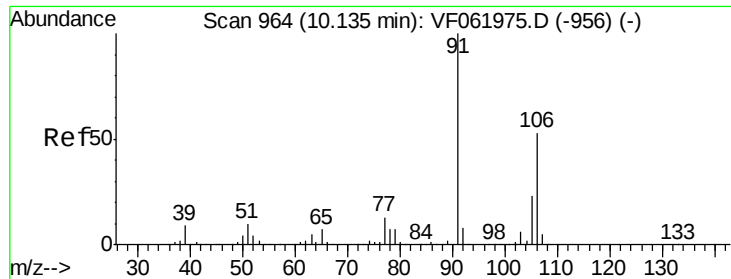
#67
Ethyl Benzene
Concen: 2.277 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion: 91 Resp: 15850
Ion Ratio Lower Upper
91 100
106 32.2 24.4 36.6



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

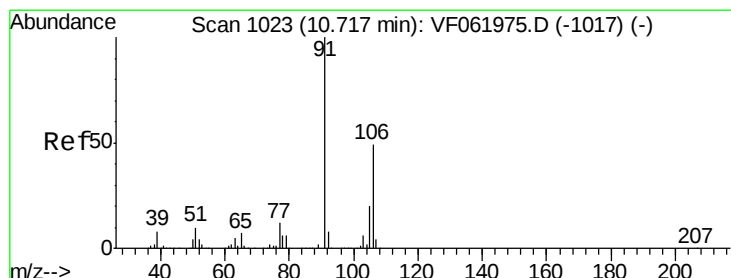
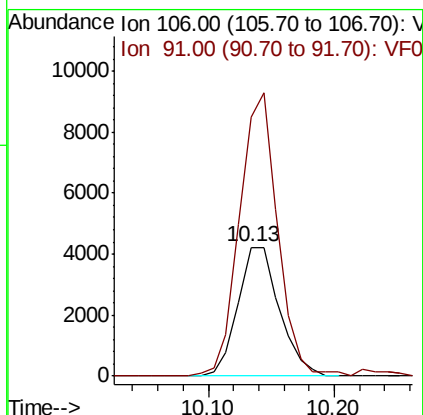
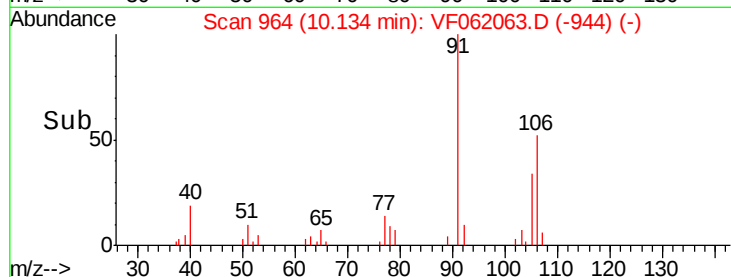
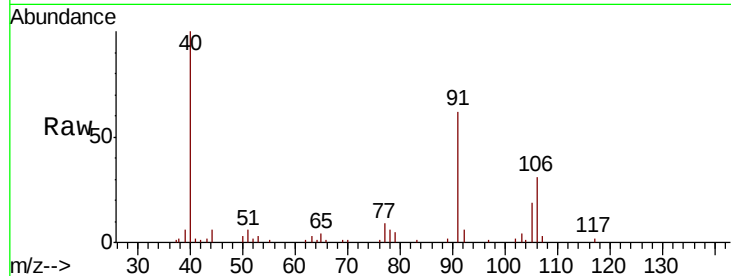




#68
m/p-Xylenes
Concen: 3.699 ug/l
RT: 10.13 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

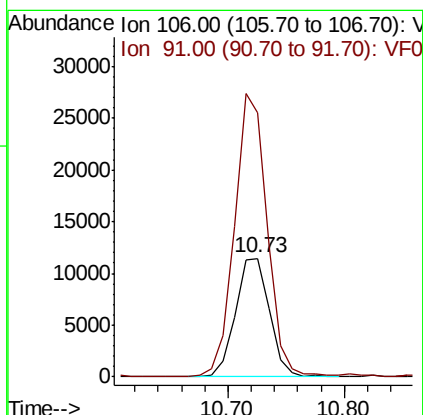
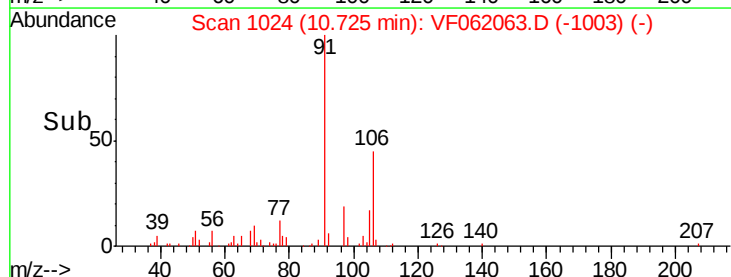
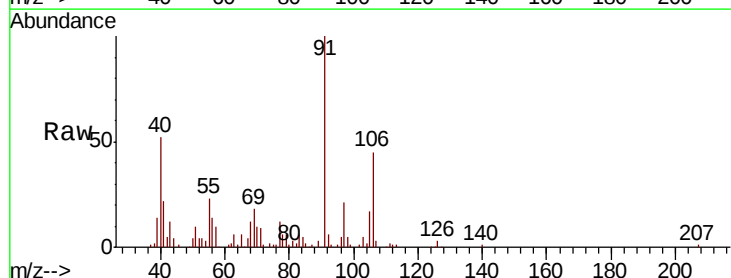
Instrument :
MSVOA_F
ClientSampled :
40021

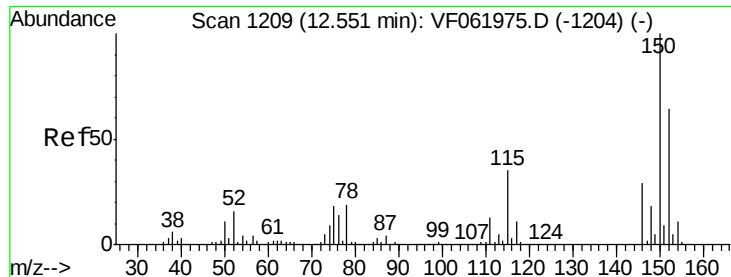
Tgt Ion:106 Resp: 9684
Ion Ratio Lower Upper
106 100
91 200.9 151.9 227.9



#69
o-Xylene
Concen: 8.239 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion:106 Resp: 23080
Ion Ratio Lower Upper
106 100
91 221.8 102.3 306.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

40021

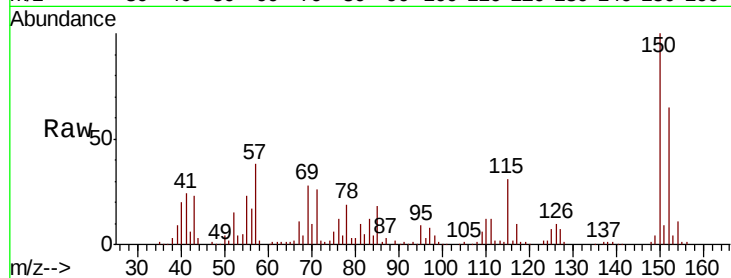
Tgt Ion:152 Resp: 56837

Ion Ratio Lower Upper

152 100

115 47.6 27.3 81.9

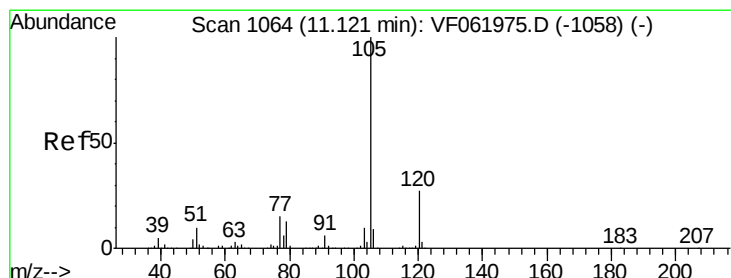
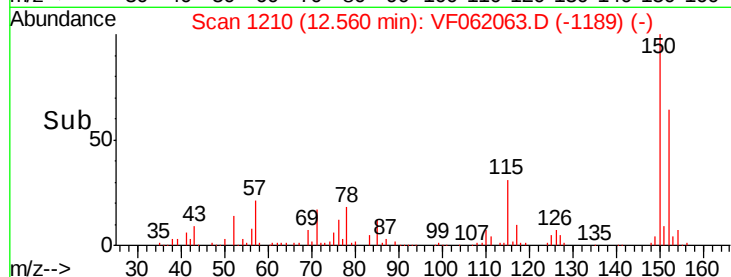
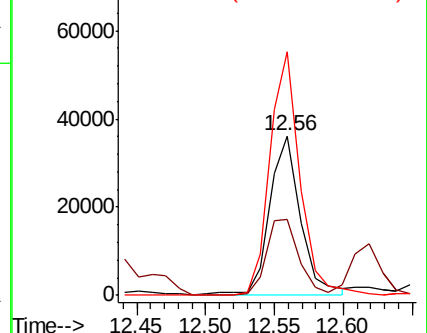
150 152.8 0.0 316.2



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: 7.588 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF062063.D

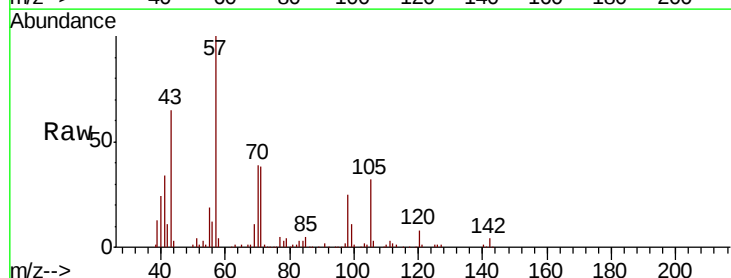
Acq: 21 Mar 2019 16:26

Tgt Ion:105 Resp: 29794

Ion Ratio Lower Upper

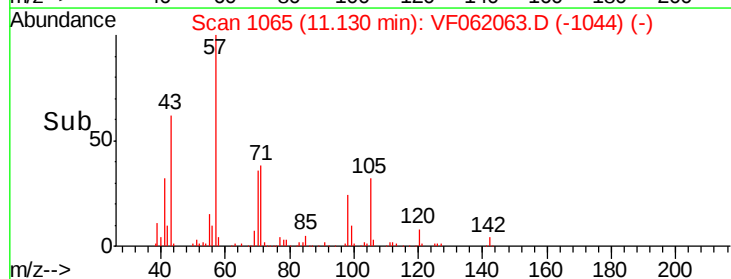
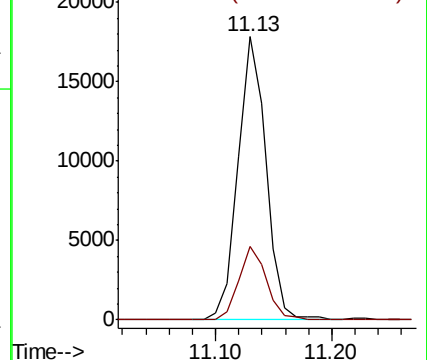
105 100

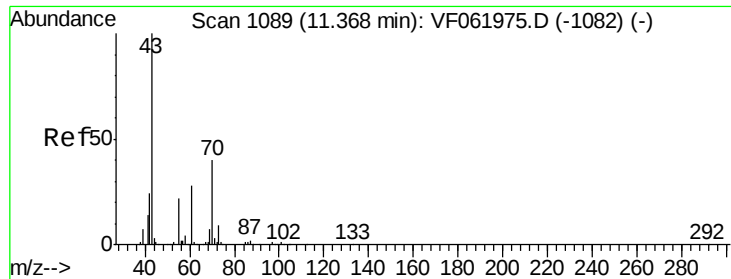
120 25.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 70.193 ug/l

RT: 11.28 min Scan# 1080

Delta R.T. -0.09 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

40021

Tgt Ion: 43 Resp: 63155

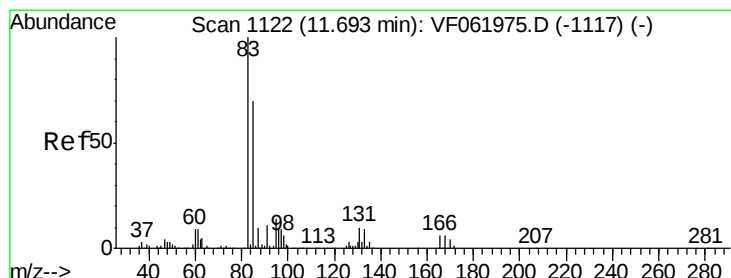
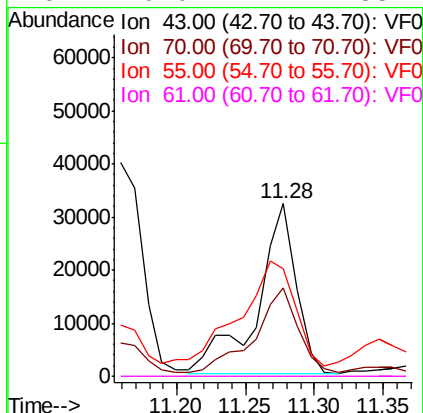
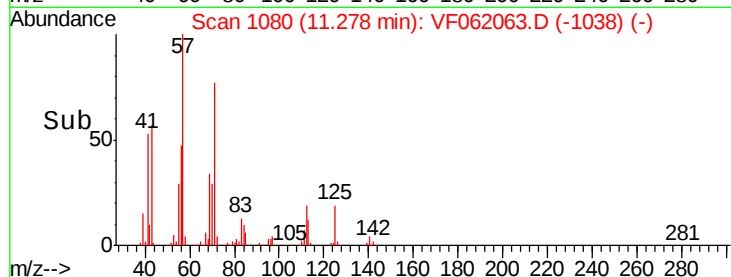
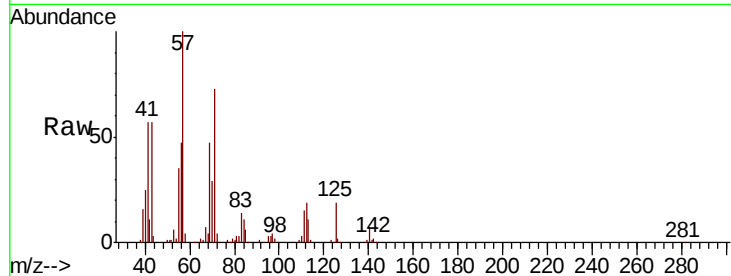
Ion Ratio Lower Upper

43 100

70 51.3 31.9 47.9#

55 62.4 17.9 26.9#

61 0.0 22.2 33.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 23.588 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

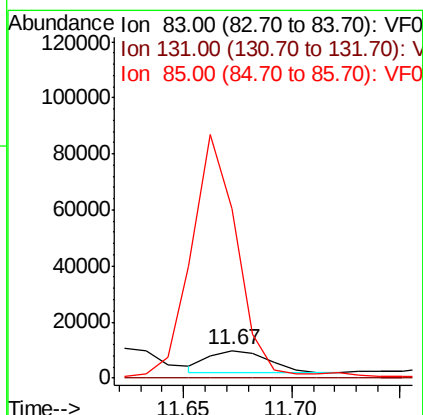
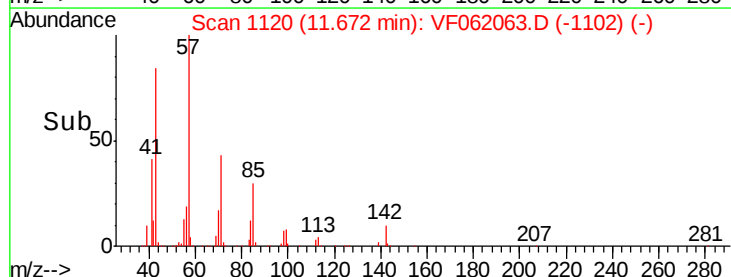
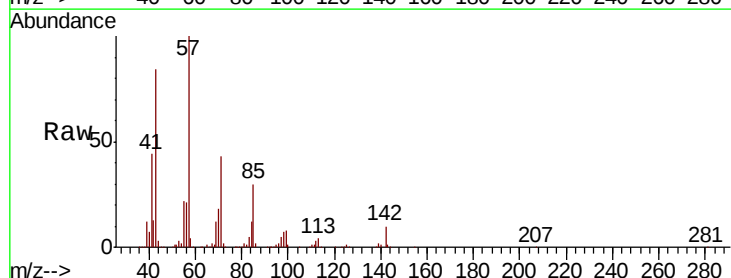
Tgt Ion: 83 Resp: 15288

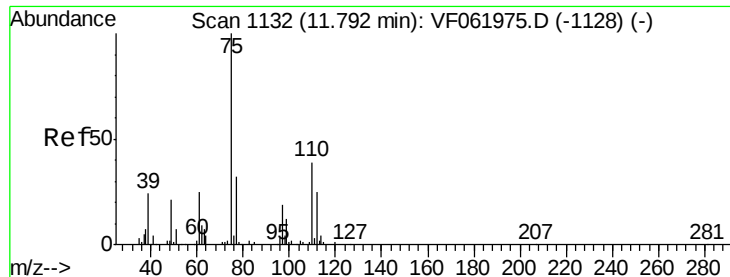
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 610.7 35.3 105.9#





#76

1,2,3-Trichloropropane

Concen: 3.877 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.04 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

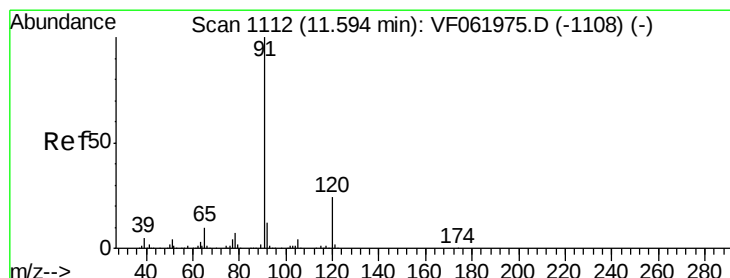
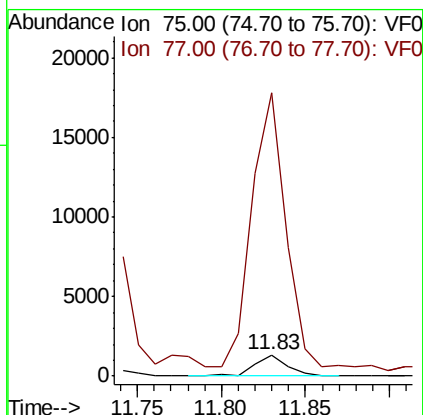
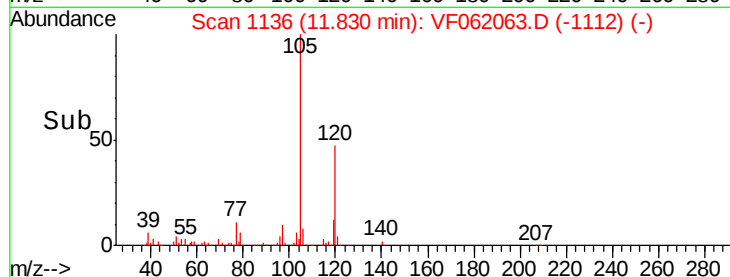
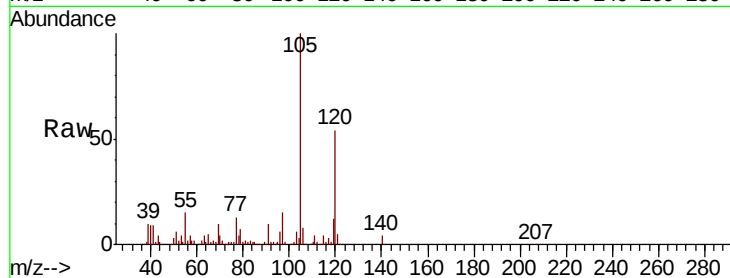
40021

Tgt Ion: 75 Resp: 1757

Ion Ratio Lower Upper

75 100

77 1329.1 16.4 49.2#



#78

n-propylbenzene

Concen: 21.935 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062063.D

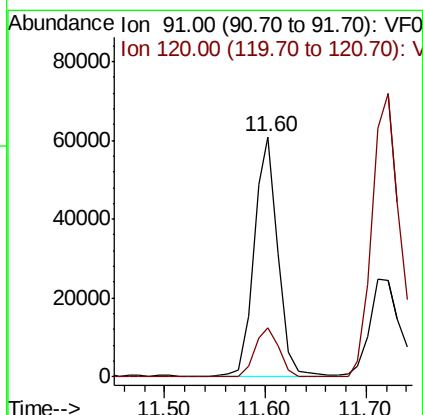
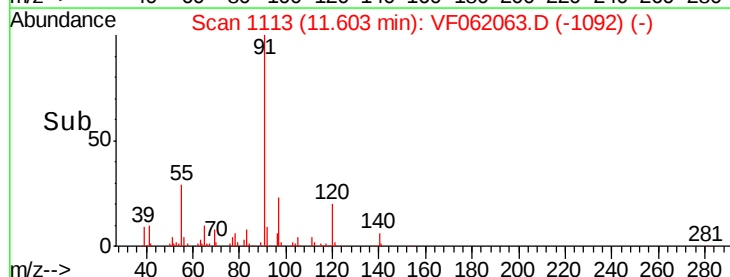
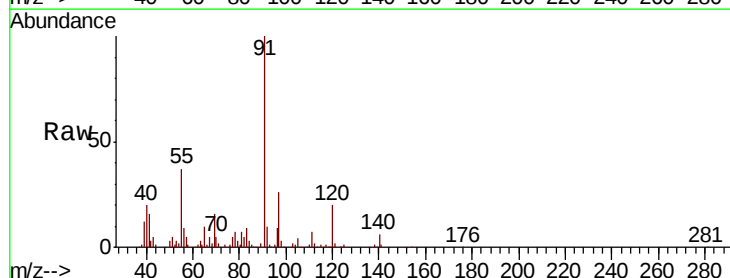
Acq: 21 Mar 2019 16:26

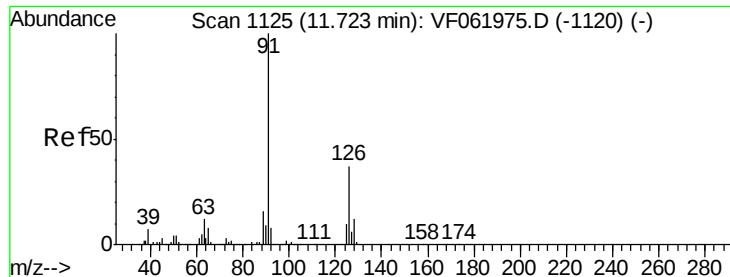
Tgt Ion: 91 Resp: 99038

Ion Ratio Lower Upper

91 100

120 20.4 11.8 35.3





#79

2-Chlorotoluene

Concen: 19.926 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

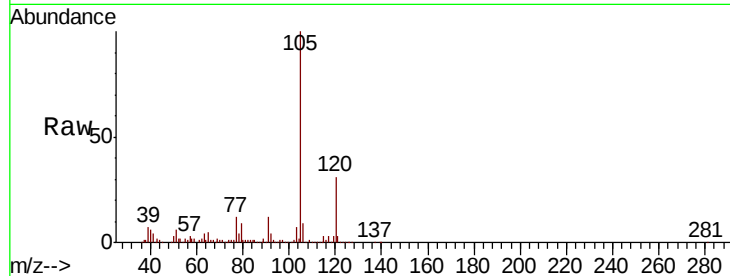
40021

Tgt Ion: 91 Resp: 50783

Ion Ratio Lower Upper

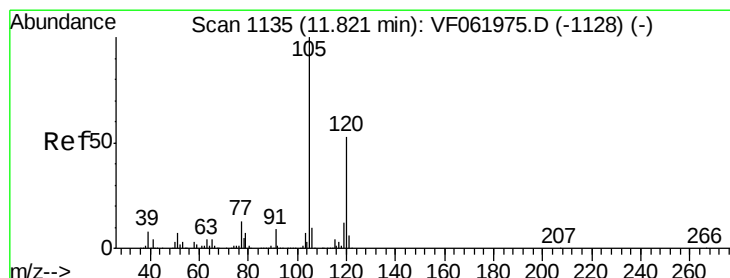
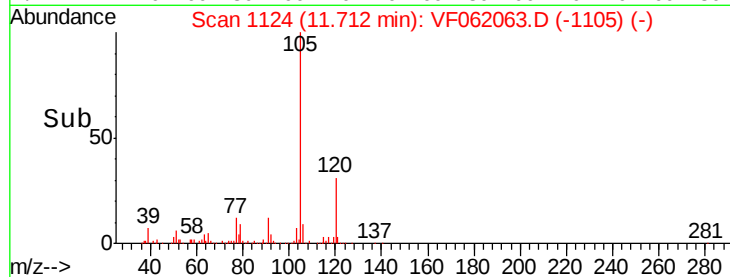
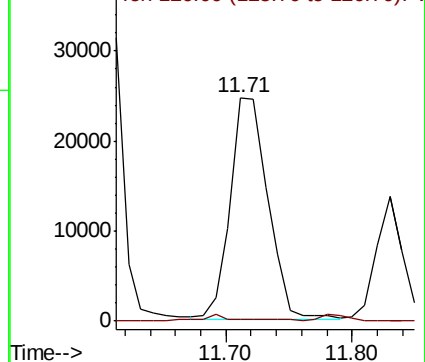
91 100

126 0.7 18.4 55.2#



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: 64.401 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF062063.D

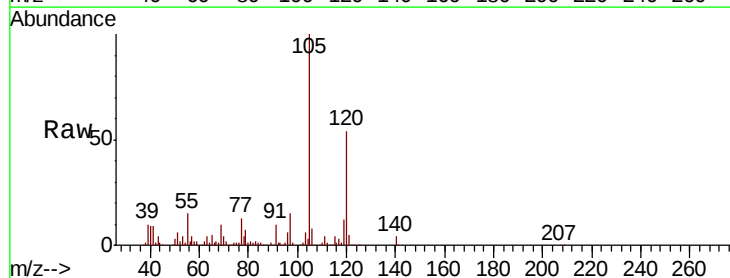
Acq: 21 Mar 2019 16:26

Tgt Ion: 105 Resp: 204274

Ion Ratio Lower Upper

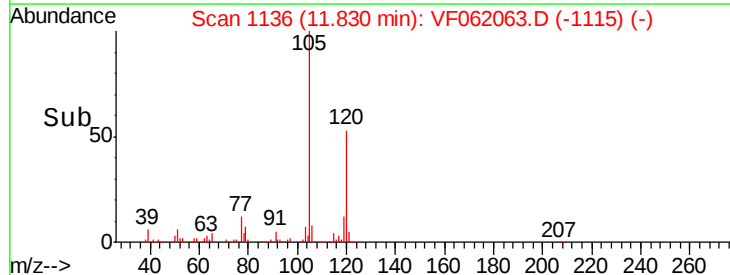
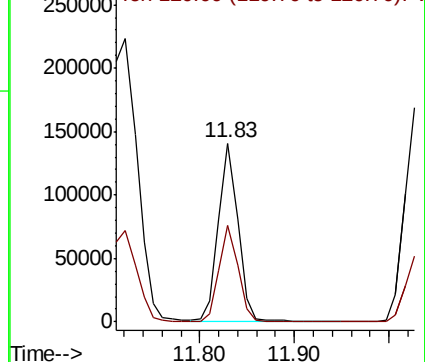
105 100

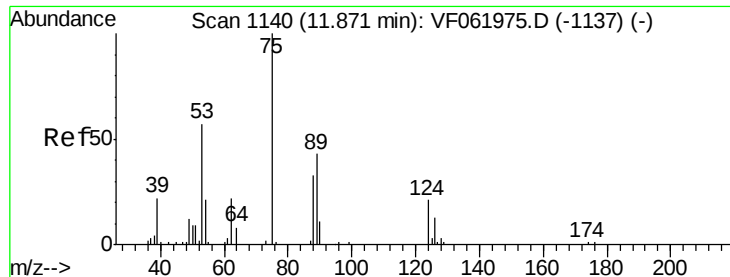
120 53.8 26.6 79.7



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: 8.763 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.04 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

40021

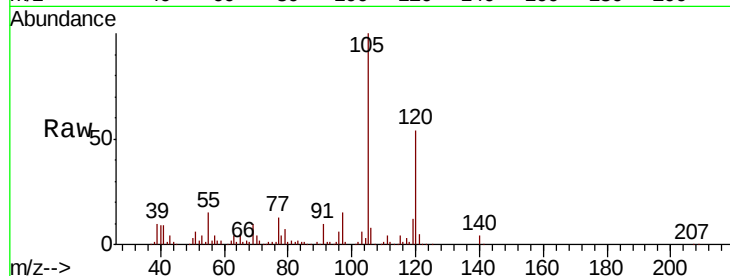
Tgt Ion: 75 Resp: 1757

Ion Ratio Lower Upper

75 100

53 414.7 49.0 73.6#

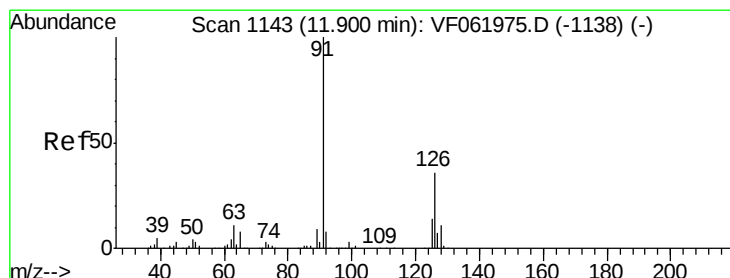
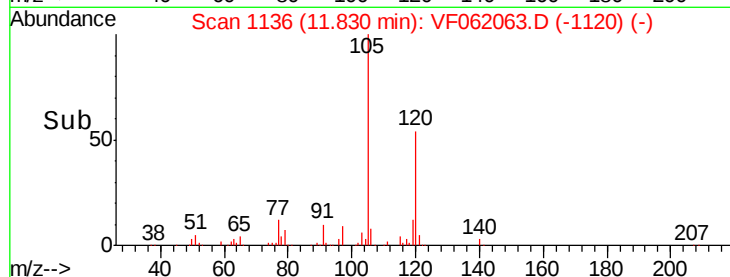
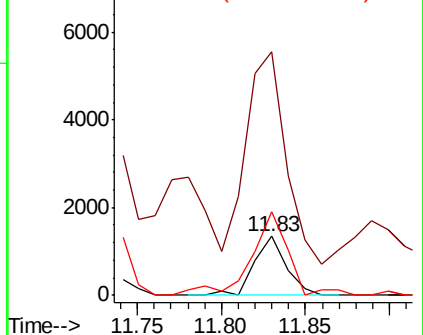
89 143.1 37.1 55.7#



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



#82

4-Chlorotoluene

Concen: 7.631 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.07 min

Lab File: VF062063.D

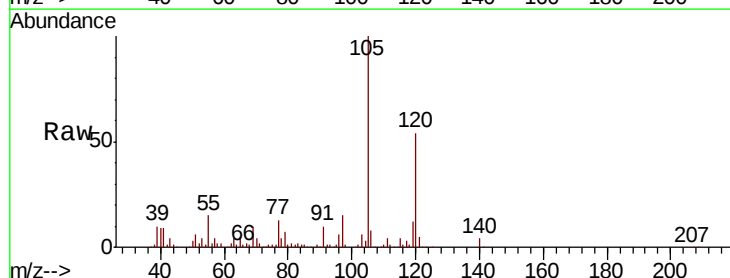
Acq: 21 Mar 2019 16:26

Tgt Ion: 91 Resp: 19666

Ion Ratio Lower Upper

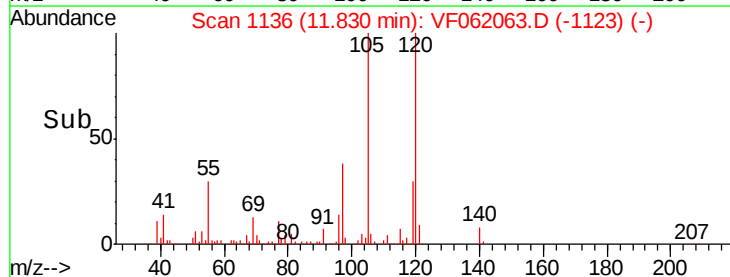
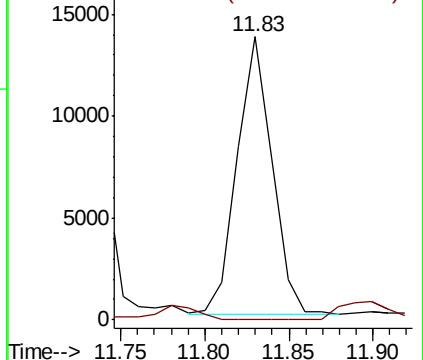
91 100

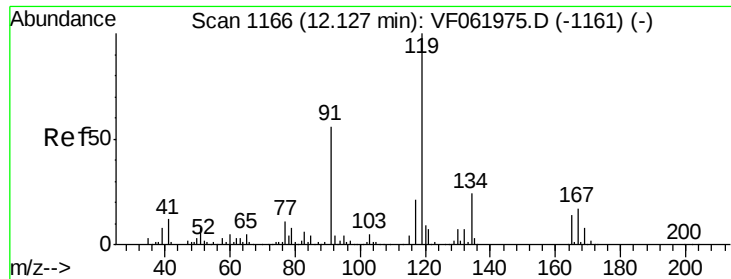
126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

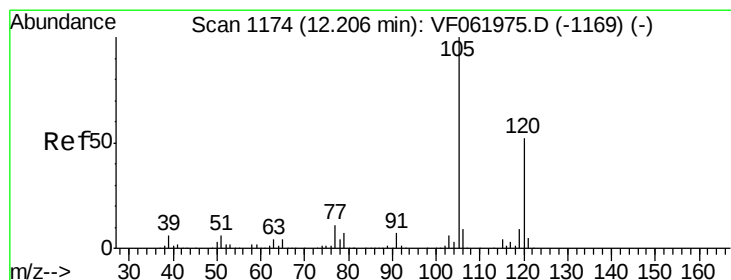
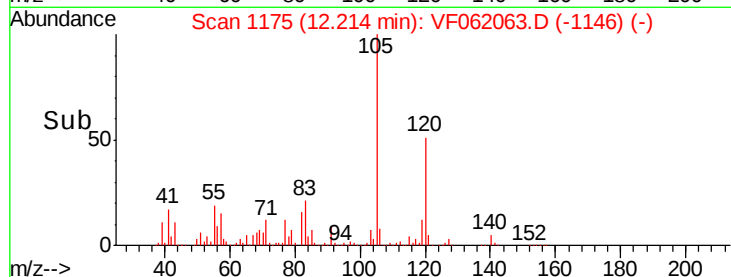
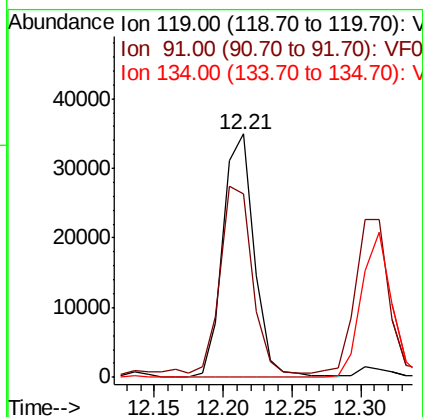
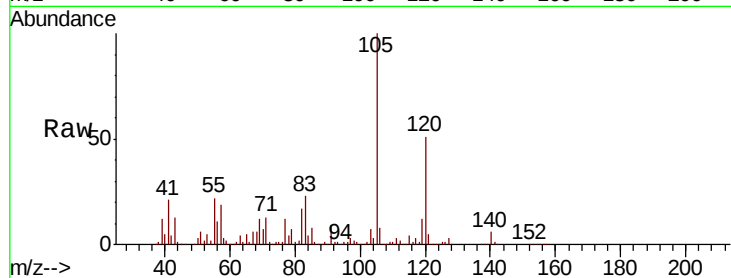




#83
tert-Butylbenzene
Concen: 16.638 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. 0.09 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

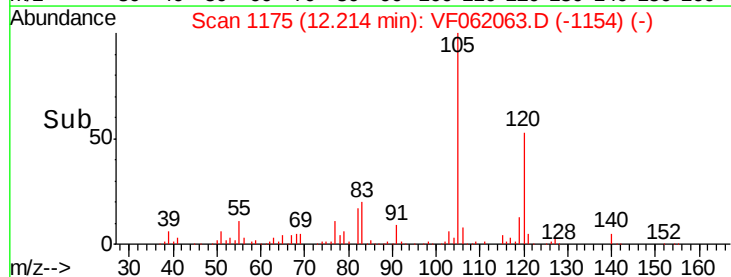
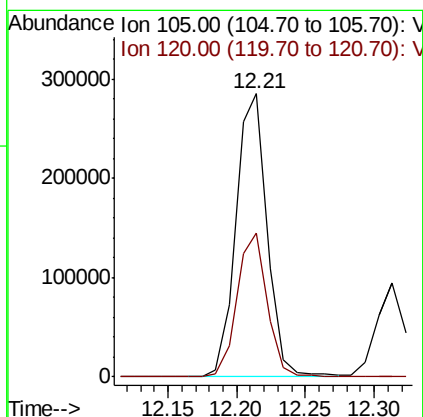
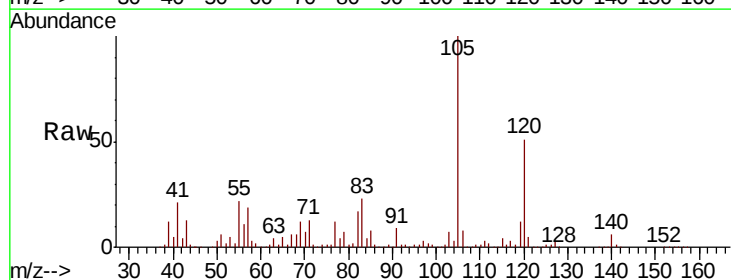
Instrument :
MSVOA_F
ClientSampleId :
40021

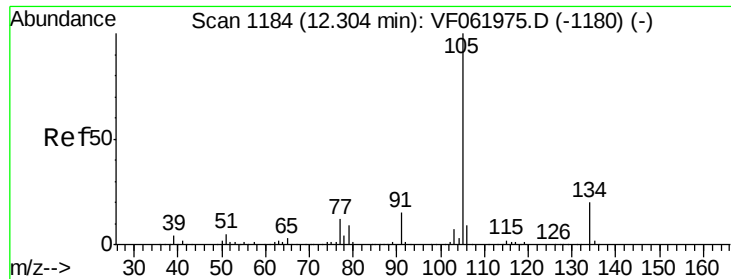
Tgt Ion:119 Resp: 55193
Ion Ratio Lower Upper
119 100
91 75.1 27.9 83.6
134 0.0 12.3 36.8#



#84
1,2,4-Trimethylbenzene
Concen: 140.938 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion:105 Resp: 447770
Ion Ratio Lower Upper
105 100
120 50.9 25.9 77.8

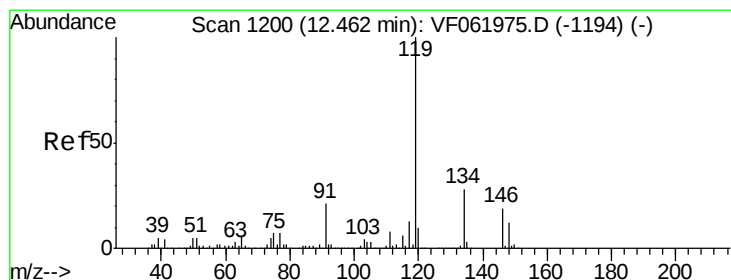
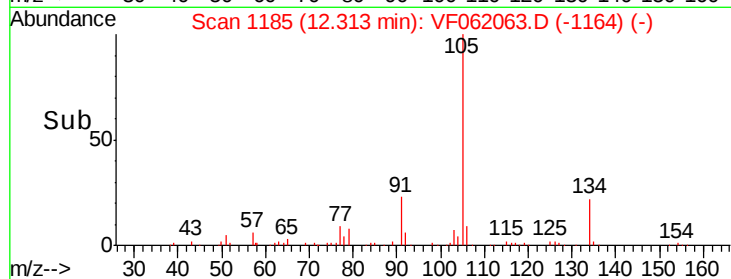
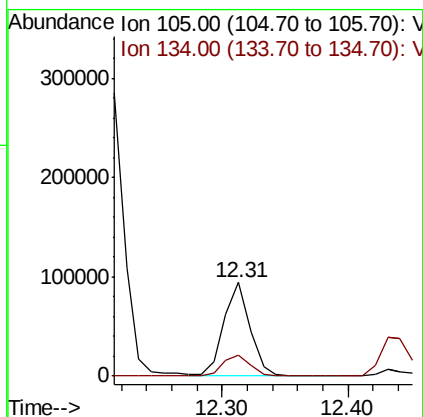
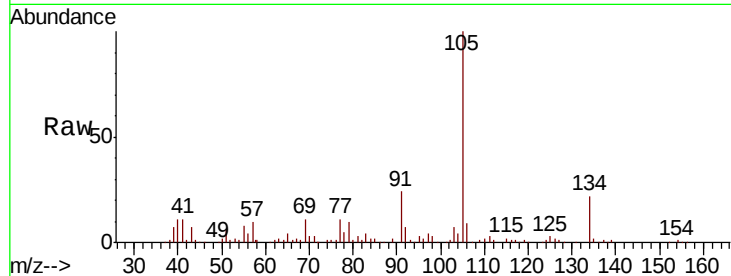




#85
 sec-Butylbenzene
 Concen: 30.235 ug/l
 RT: 12.31 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF062063.D
 Acq: 21 Mar 2019 16:26

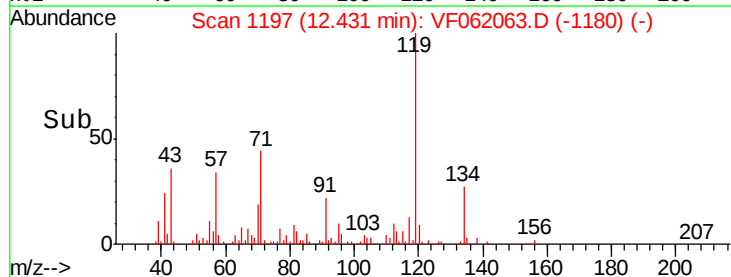
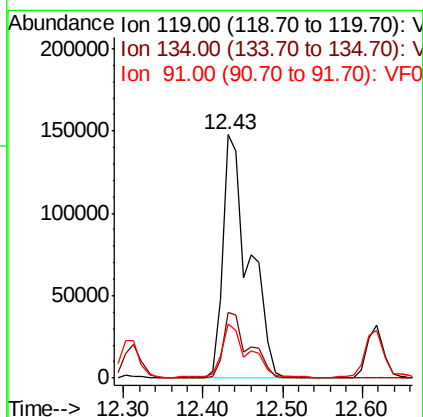
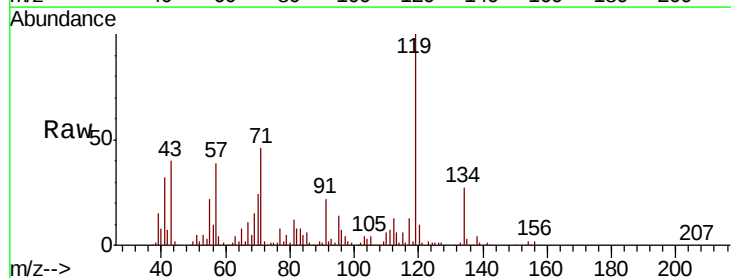
Instrument :
 MSVOA_F
 ClientSampleId :
 40021

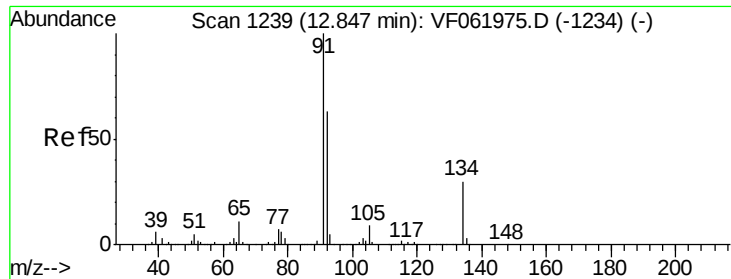
Tgt Ion:105 Resp: 135509
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 90.527 ug/l
 RT: 12.43 min Scan# 1197
 Delta R.T. -0.03 min
 Lab File: VF062063.D
 Acq: 21 Mar 2019 16:26

Tgt Ion:119 Resp: 338554
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.9 41.7
 91 22.3 10.4 31.1





#89

n-Butylbenzene

Concen: 72.449 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampled :

40021

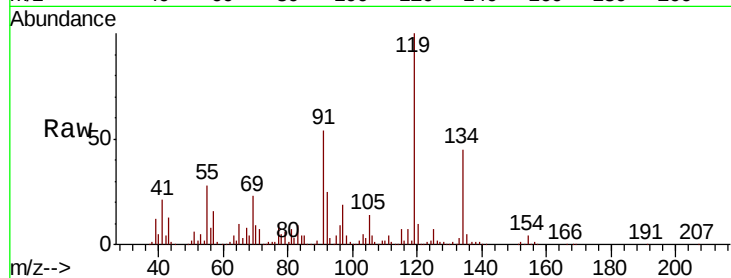
Tgt Ion: 91 Resp: 254598

Ion Ratio Lower Upper

91 100

92 45.8 31.7 95.1

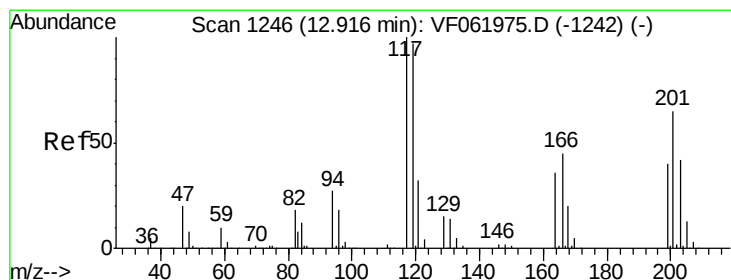
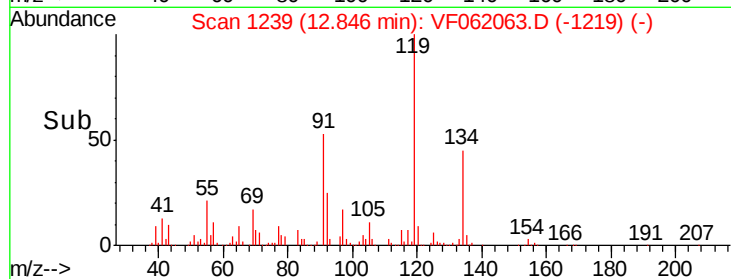
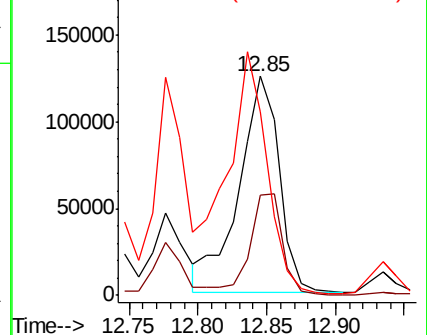
134 83.8 15.1 45.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 11.524 ug/l

RT: 12.93 min Scan# 1248

Delta R.T. 0.02 min

Lab File: VF062063.D

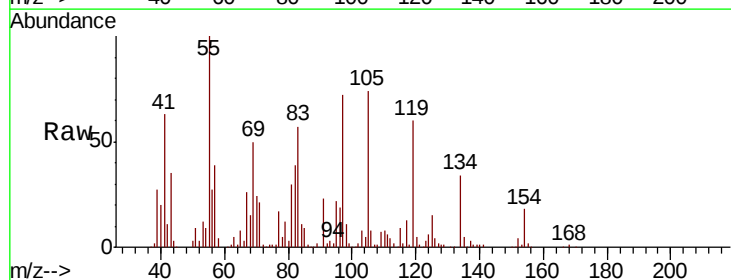
Acq: 21 Mar 2019 16:26

Tgt Ion: 117 Resp: 9835

Ion Ratio Lower Upper

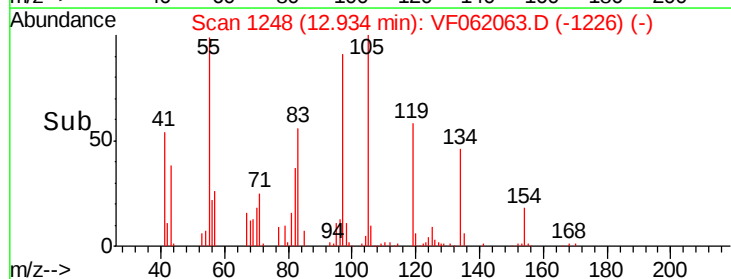
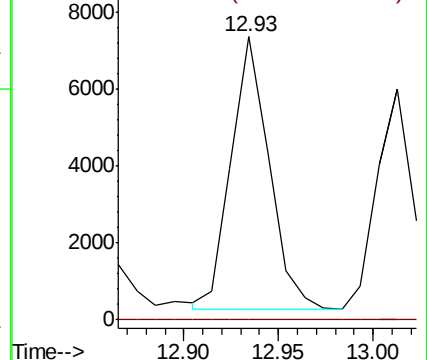
117 100

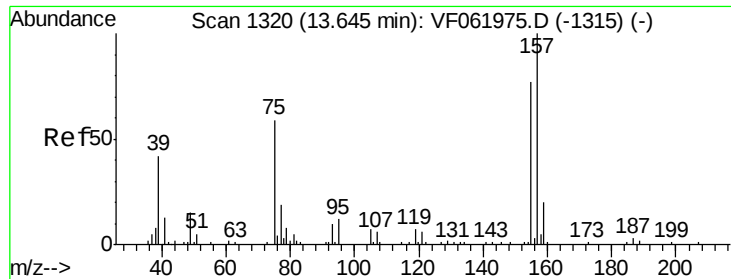
201 0.0 32.5 97.5#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 27.979 ug/l

RT: 13.62 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

Instrument :

MSVOA_F

ClientSampleId :

40021

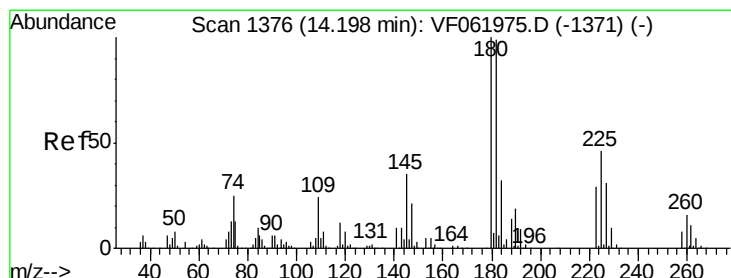
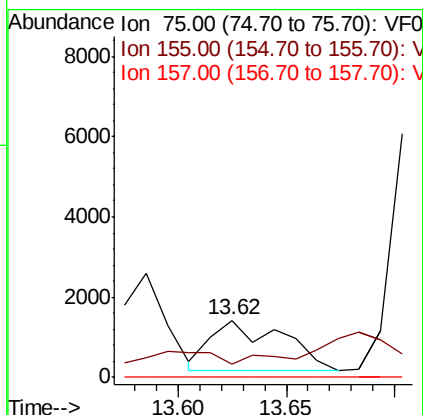
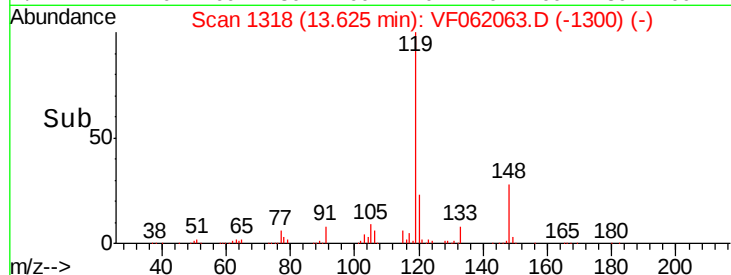
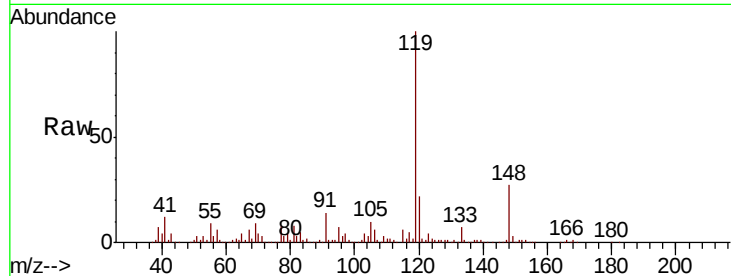
Tgt Ion: 75 Resp: 2910

Ion Ratio Lower Upper

75 100

155 23.1 65.0 195.1#

157 0.0 84.7 254.0#



#93

1,2,4-Trichlorobenzene

Concen: 3.442 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VF062063.D

Acq: 21 Mar 2019 16:26

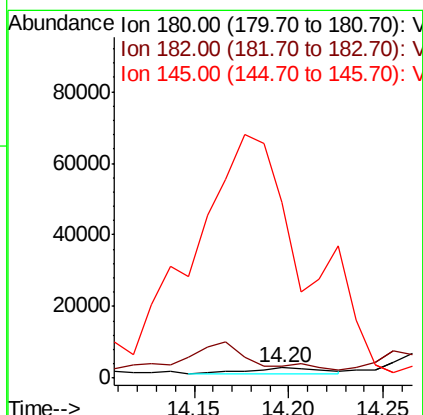
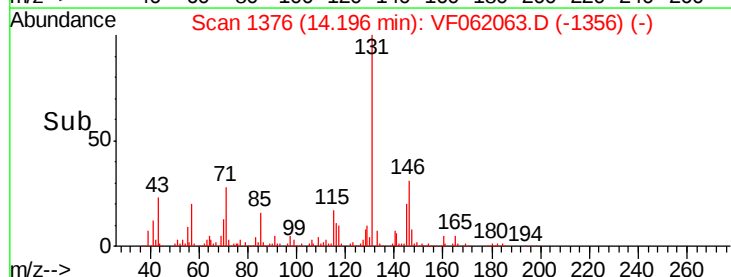
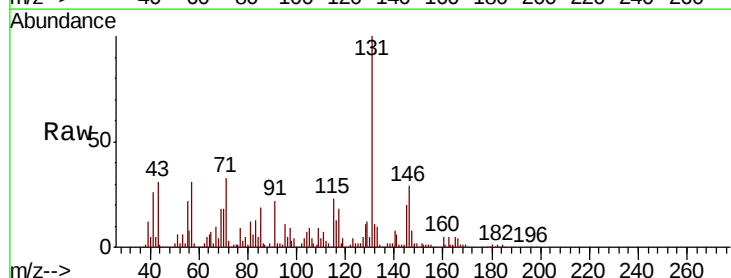
Tgt Ion: 180 Resp: 3968

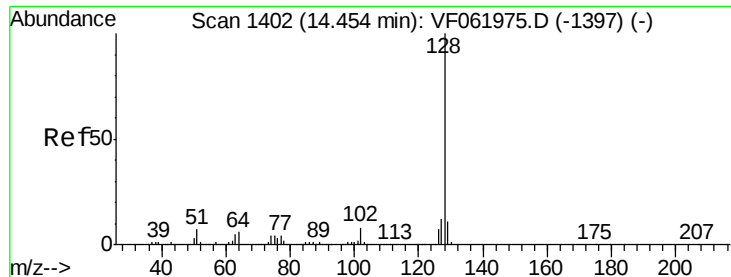
Ion Ratio Lower Upper

180 100

182 120.9 49.6 149.0

145 1699.0 17.5 52.5#

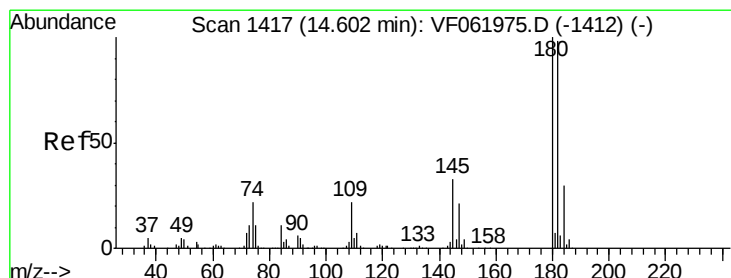
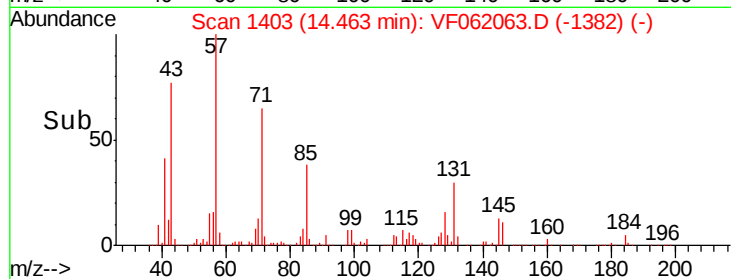
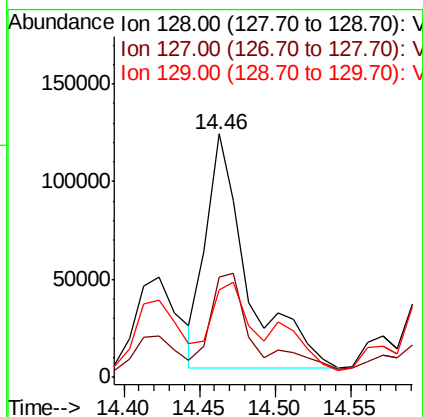
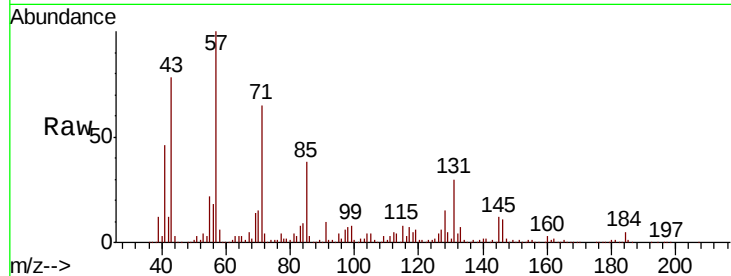




#95
Naphthalene
Concen: 110.435 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Instrument :
MSVOA_F
ClientSampleId :
40021

Tgt Ion	Ratio	Lower	Upper
128	100		
127	41.0	9.3	13.9#
129	35.7	9.1	13.7#



#96
1,2,3-Trichlorobenzene
Concen: 38.114 ug/l
RT: 14.65 min Scan# 1422
Delta R.T. 0.05 min
Lab File: VF062063.D
Acq: 21 Mar 2019 16:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	25.0	48.9	146.8#
145	192.7	16.7	50.1#

