

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062375.D
 Acq On : 8 May 2019 14:16
 Operator : FY/SY
 Sample : K2673-01
 Misc : 5.04g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Quant Time: May 09 05:00:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	102265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	122117	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	90798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	41382	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	37741	39.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.10%	
35) Dibromofluoromethane	4.30	113	49143	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	7.70	98	91524	38.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.72%	
62) 4-Bromofluorobenzene	11.49	95	38397	36.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.28%	

Target Compounds

					Qvalue	
3) Chloromethane	1.15	50	1132	1.450	ug/l #	42
5) Bromomethane	1.40	94	600	Below Cal	#	43
8) Diethyl Ether	1.71	74	373	1.526	ug/l	85
11) Tert butyl alcohol	2.69	59	438	8.019	ug/l #	70
13) Acrolein	2.12	56	148	Below Cal	#	1
14) Allyl chloride	2.21	41	1302	1.880	ug/l #	34
15) Acrylonitrile	3.09	53	1908	18.441	ug/l #	81
16) Acetone	2.35	43	4465	22.838	ug/l	94
18) Methyl Acetate	2.46	43	886	Below Cal	#	79
20) Methylene Chloride	2.30	84	6507	9.199	ug/l #	82
25) 2-Butanone	4.54	43	853	3.473	ug/l	94
29) Tetrahydrofuran	4.25	42	348	3.083	ug/l #	36
37) Ethyl Acetate	4.28	43	396	Below Cal	#	73
38) Carbon Tetrachloride	4.20	117	68	Below Cal	#	1
41) Methacrylonitrile	4.93	41	350	1.391	ug/l #	39
43) Isopropyl Acetate	7.11	43	3467	7.266	ug/l #	83
48) Methyl methacrylate	6.84	41	873	2.589	ug/l #	23
49) 1,4-Dioxane	6.85	88	76	8.965	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	8925	24.685	ug/l	93
56) Ethyl methacrylate	8.75	69	2966	6.211	ug/l #	71
59) 2-Hexanone	9.60	43	9219	36.868	ug/l	79
68) m/p-Xylenes	10.24	106	1037	1.068	ug/l #	50
74) N-amyl acetate	11.44	43	7037	13.361	ug/l #	92
76) 1,2,3-Trichloropropane	11.86	75	910	3.105	ug/l #	100
78) n-propylbenzene	11.66	91	3704	1.418	ug/l #	75
79) 2-Chlorotoluene	11.79	91	1873	1.153	ug/l	87
80) 1,3,5-Trimethylbenzene	11.88	105	2343	1.090	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.93	75	237	2.151	ug/l #	65
82) 4-Chlorotoluene	11.96	91	1726	1.076	ug/l	85
87) 1,3-Dichlorobenzene	12.53	146	1253	1.066	ug/l	88
88) 1,4-Dichlorobenzene	12.53	146	1253	1.104	ug/l	89
91) 1,2-Dichlorobenzene	12.98	146	1251	1.099	ug/l	87
93) 1,2,4-Trichlorobenzene	14.23	180	1913	1.874	ug/l #	68
95) Naphthalene	14.49	128	10110	6.587	ug/l #	92

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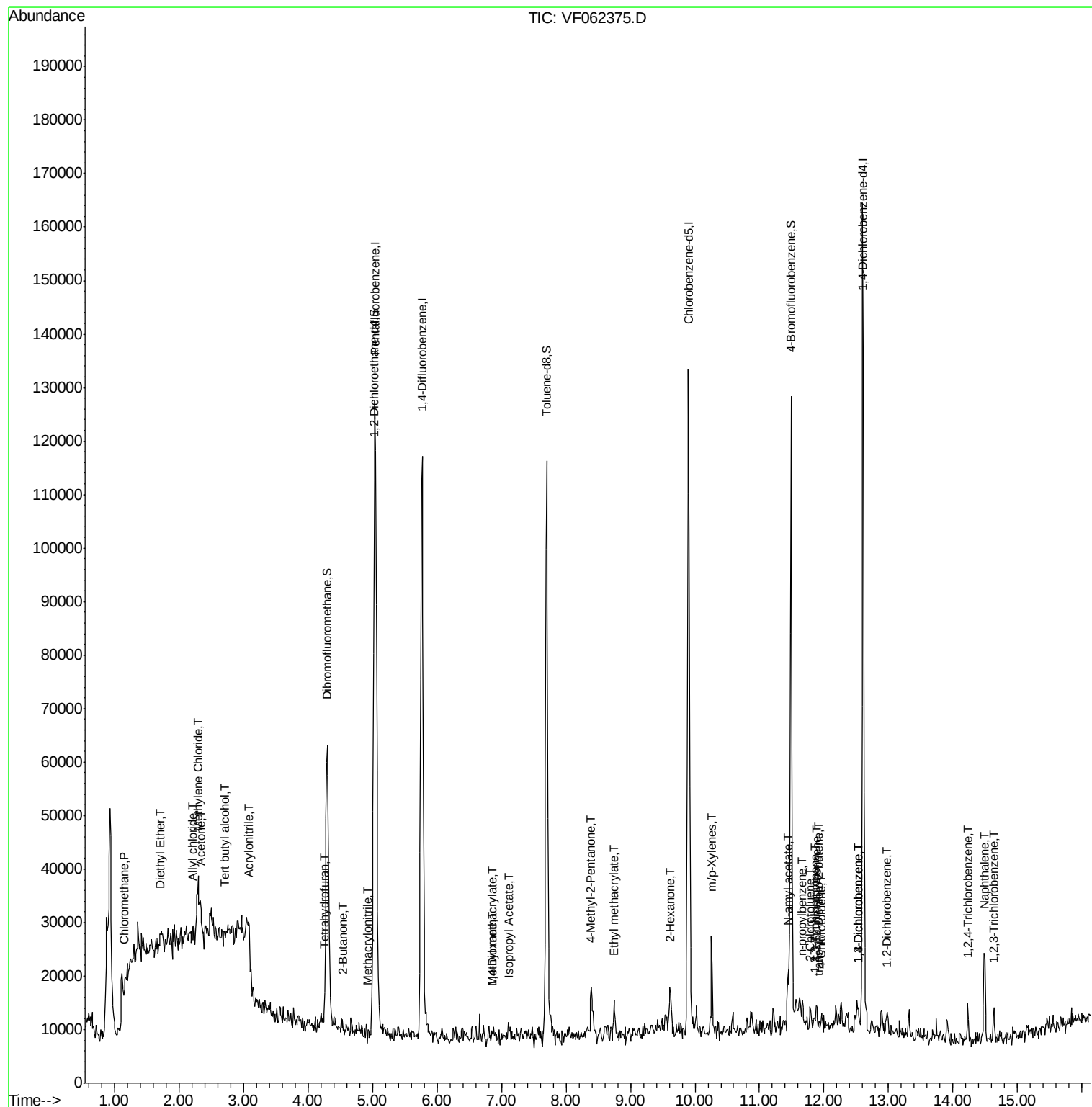
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.63	180	1810	1.830	ug/l	74

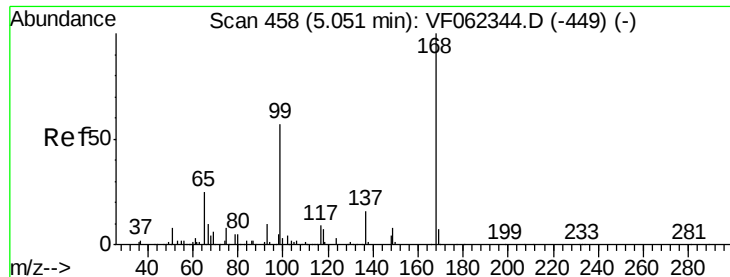
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampleId :

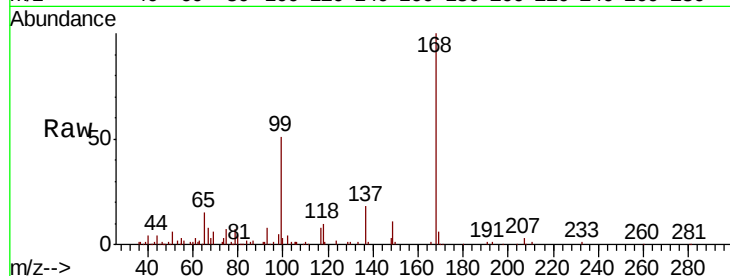
BFB

Tot Ion:168 Resp: 102265

Ion Ratio Lower Upper

168 100

99 50.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

30000

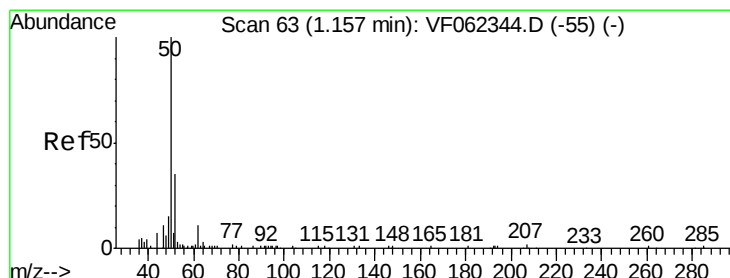
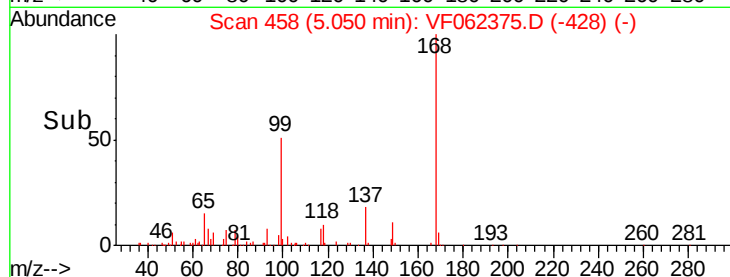
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 1.450 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062375.D

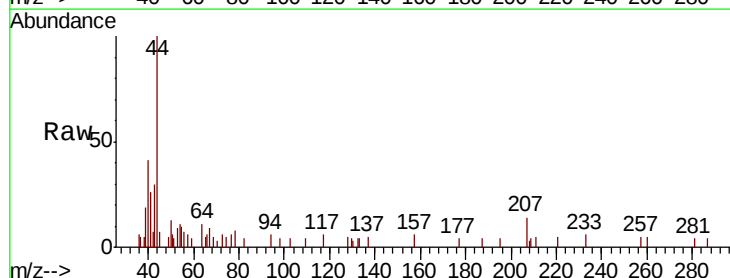
Acq: 8 May 2019 14:16

Tgt Ion: 50 Resp: 1132

Ion Ratio Lower Upper

50 100

52 0.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

500

400

300

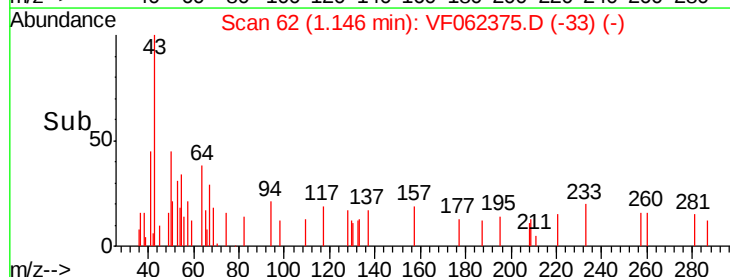
200

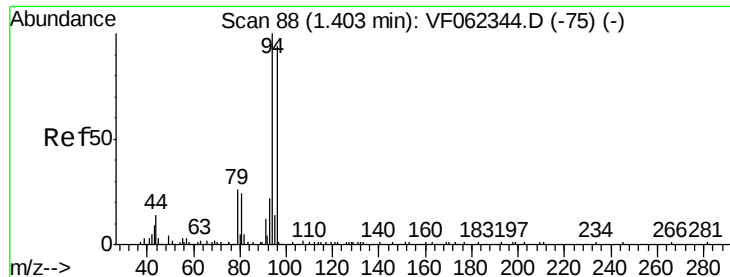
100

0

1.10 1.15 1.20

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampled :

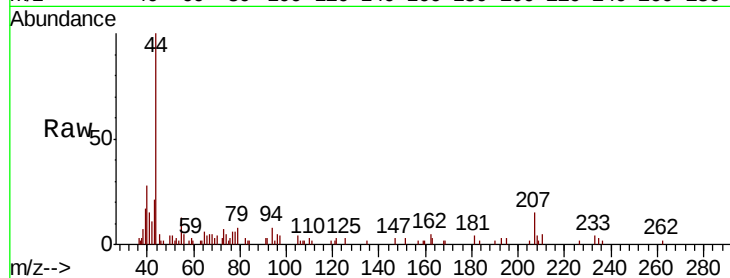
BFB

Tot Ion: 94 Resp: 600

Ion Ratio Lower Upper

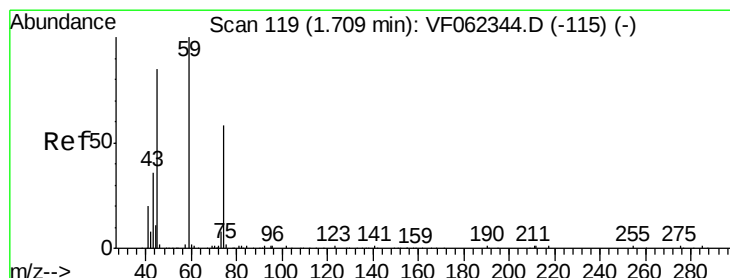
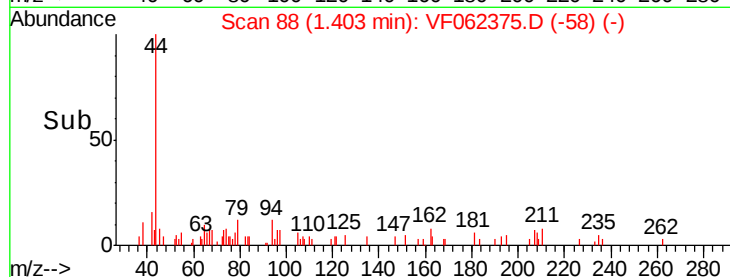
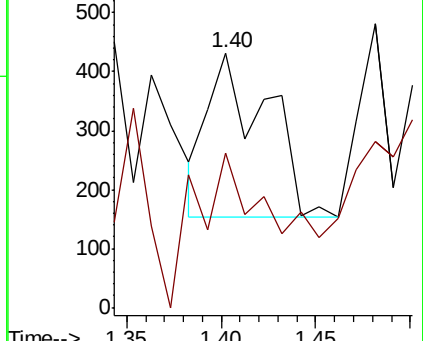
94 100

96 39.2 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#8

Diethyl Ether

Concen: 1.526 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF062375.D

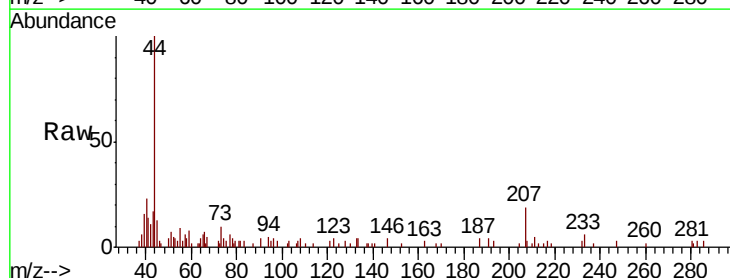
Acq: 8 May 2019 14:16

Tgt Ion: 74 Resp: 373

Ion Ratio Lower Upper

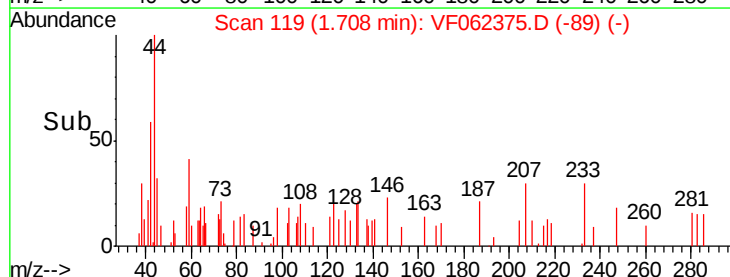
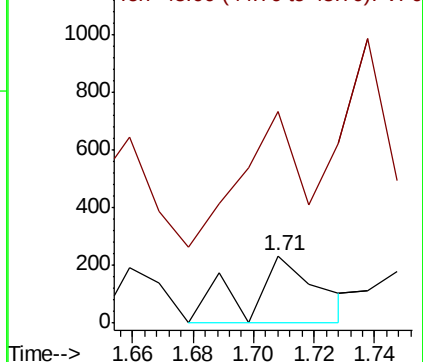
74 100

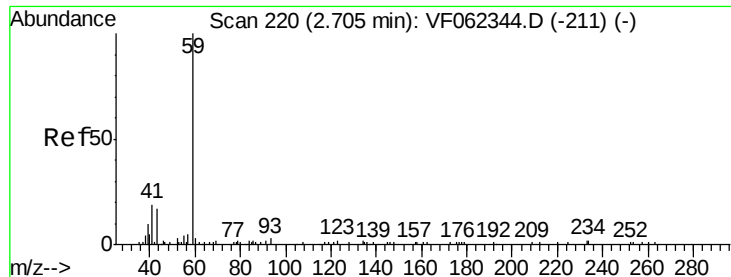
45 166.8 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



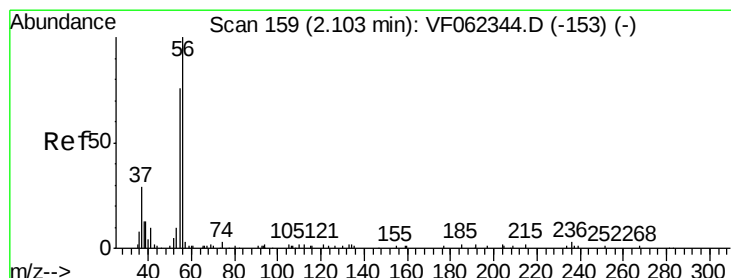
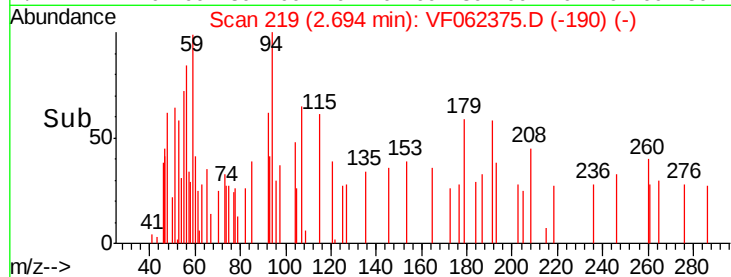
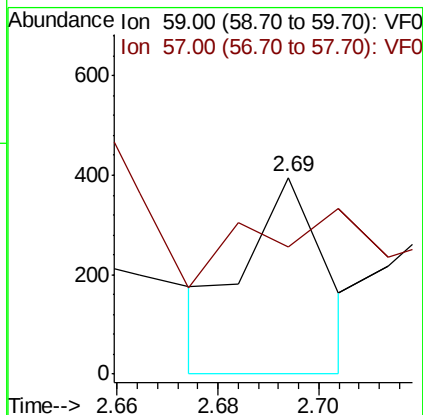
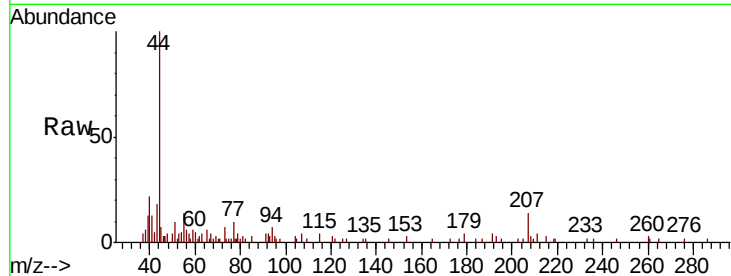


#11

Tert butyl alcohol
 Concen: 8.019 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VF062375.D
 Acq: 8 May 2019 14:16

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

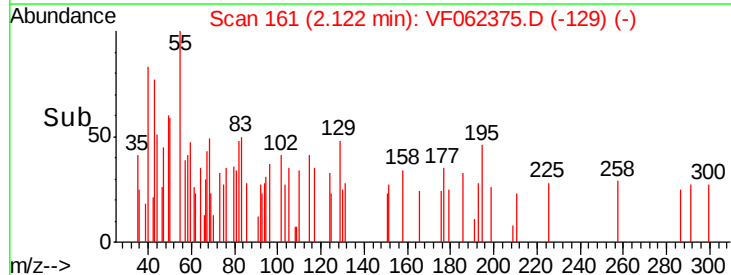
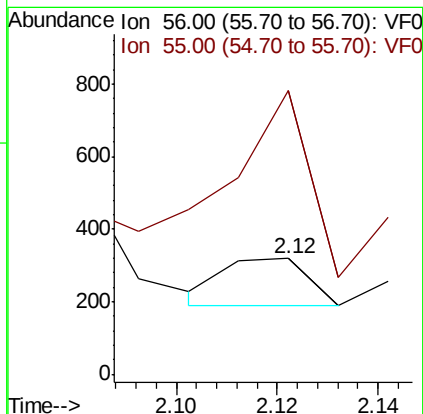
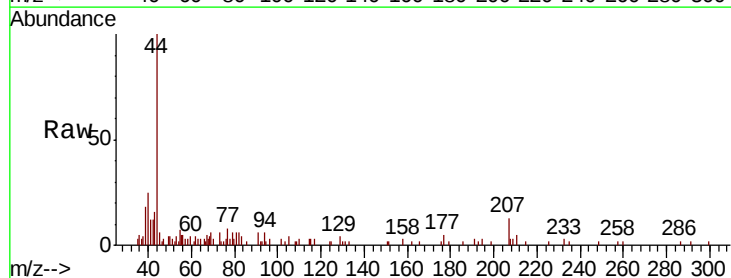
Tot Ion: 59 Resp: 438
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

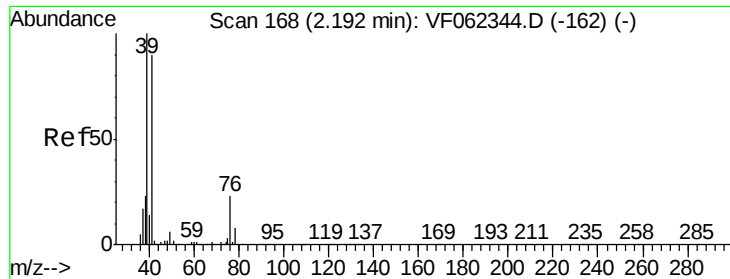


#13

Acrolein
 Concen: Below Cal
 RT: 2.12 min Scan# 161
 Delta R.T. 0.02 min
 Lab File: VF062375.D
 Acq: 8 May 2019 14:16

Tgt Ion: 56 Resp: 148
 Ion Ratio Lower Upper
 56 100
 55 273.6 58.4 87.6#





#14

Allvl chloride

Concen: 1.880 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.02 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampleId :

BFB

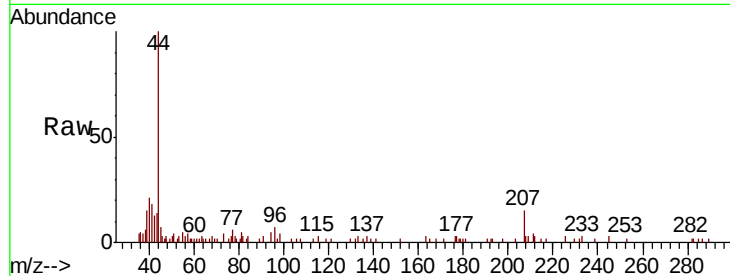
Tot Ion: 41 Resp: 1302

Ion Ratio Lower Upper

41 100

39 32.3 90.8 136.2#

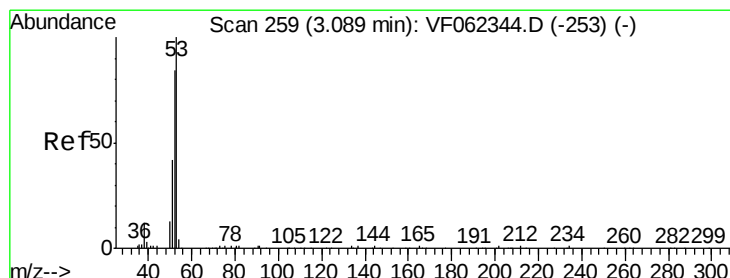
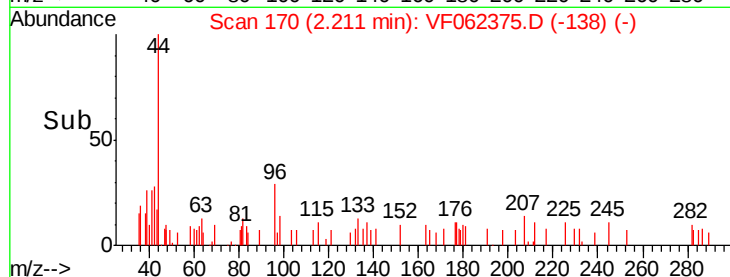
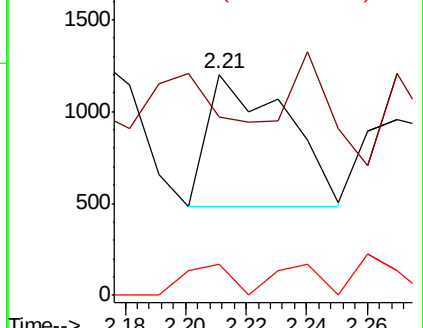
76 13.7 22.2 33.4#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 75.90 (75.60 to 76.60): VF0



#15

Acrylonitrile

Concen: 18.441 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

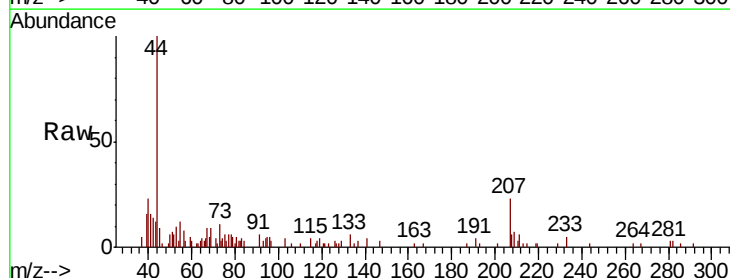
Tgt Ion: 53 Resp: 1908

Ion Ratio Lower Upper

53 100

52 71.9 77.2 115.8#

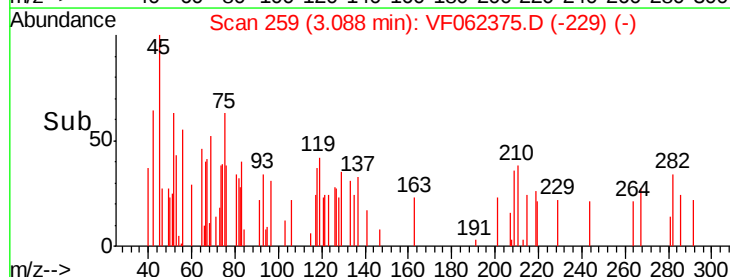
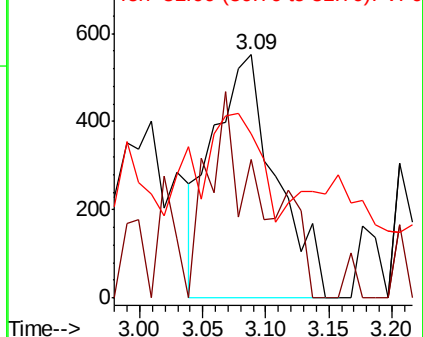
51 46.3 40.6 61.0

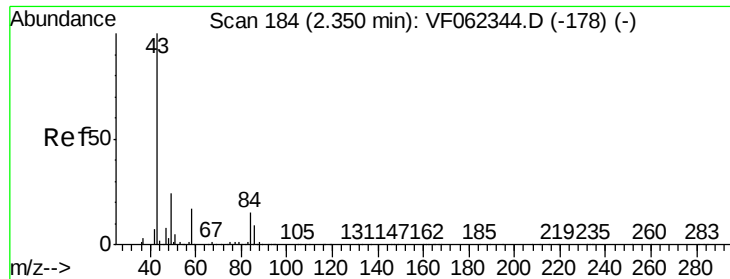


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 22.838 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampleId :

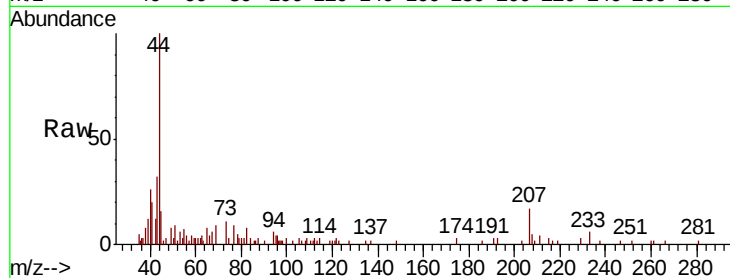
BFB

Tot Ion: 43 Resp: 4465

Ion Ratio Lower Upper

43 100

58 18.8 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.35

2000

1500

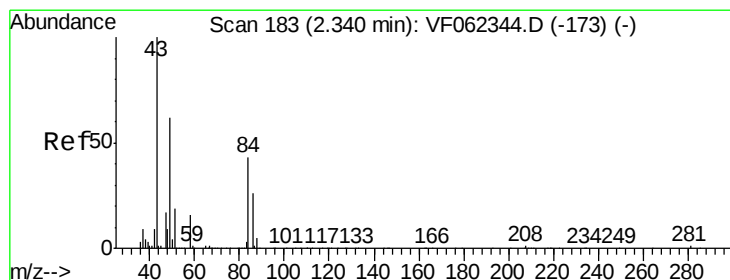
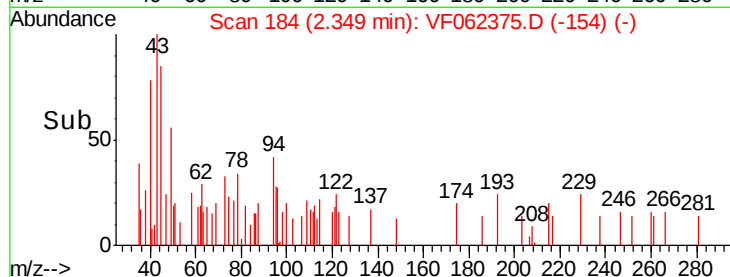
1000

500

0

2.30 2.35 2.40

Time-->



#20

Methylene Chloride

Concen: 9.199 ug/l

RT: 2.30 min Scan# 179

Delta R.T. -0.04 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Tgt Ion: 84 Resp: 6507

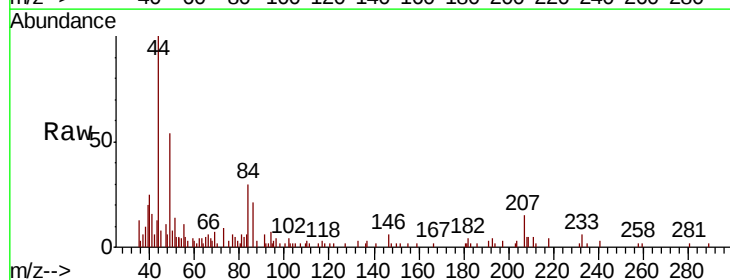
Ion Ratio Lower Upper

84 100

49 170.5 117.5 176.3

51 28.7 37.0 55.4#

86 70.1 49.3 73.9



Abundance Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0

4000

3000

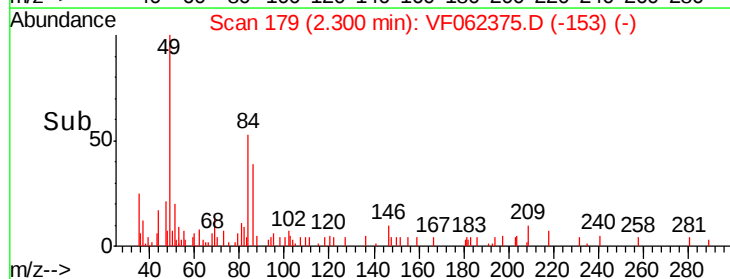
2000

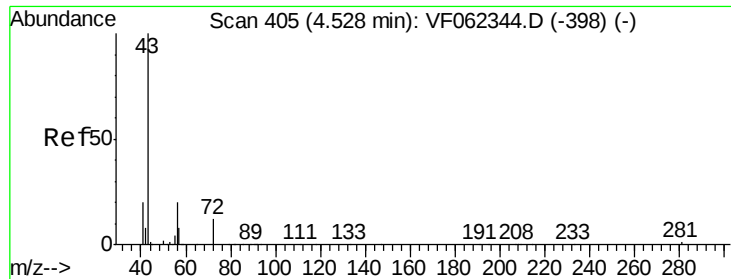
1000

0

2.20 2.30 2.40

Time-->

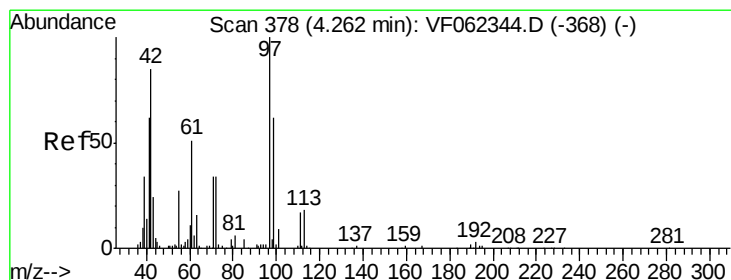
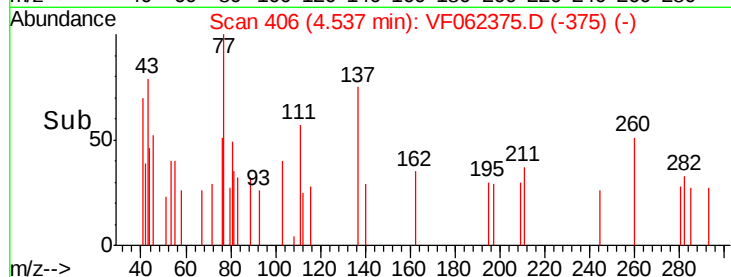
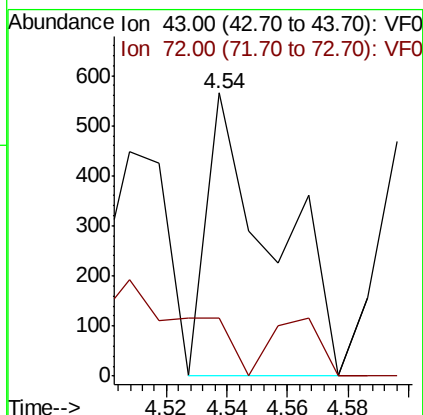
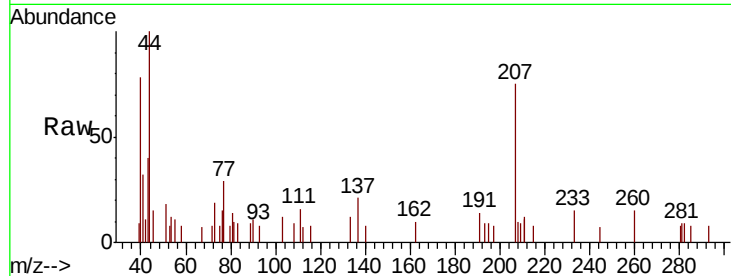




#25
2-Butanone
Concen: 3.473 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

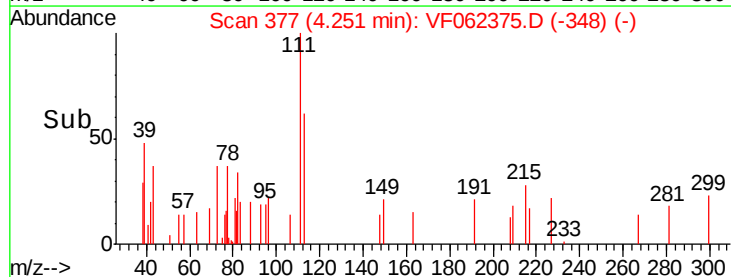
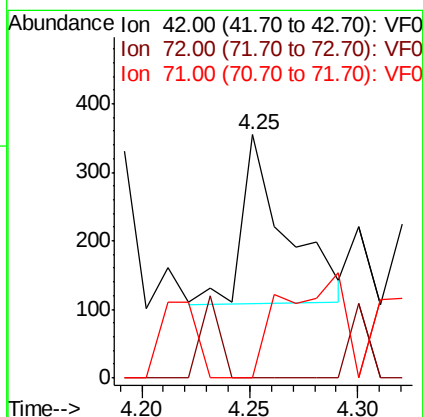
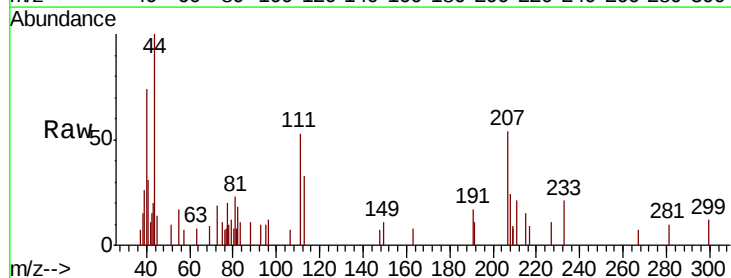
Instrument :
MSVOA_F
ClientSampled :
BFB

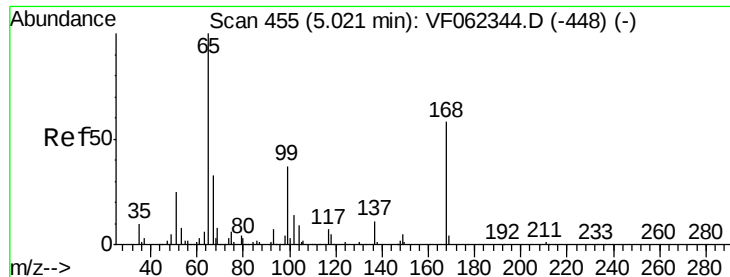
Tot Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
72 20.5 14.2 21.4



#29
Tetrahydrofuran
Concen: 3.083 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

Tgt Ion: 42 Resp: 348
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 0.0 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 39.051 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampleId :

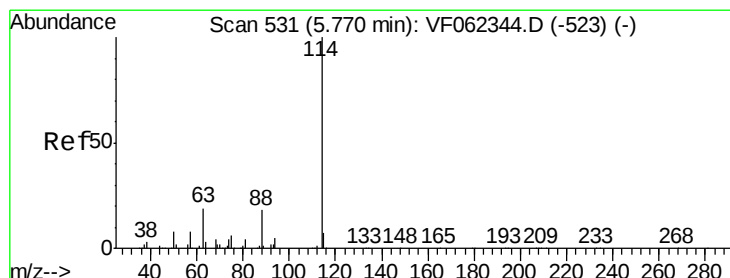
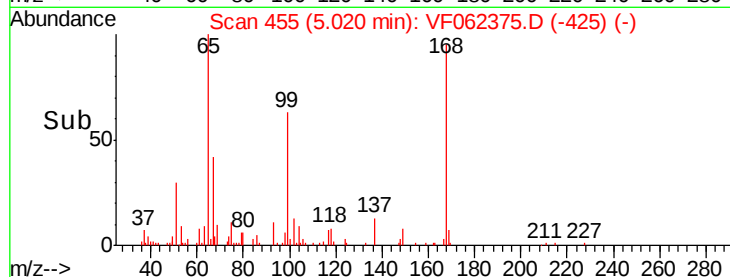
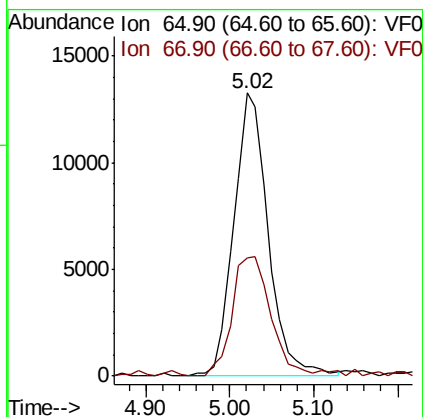
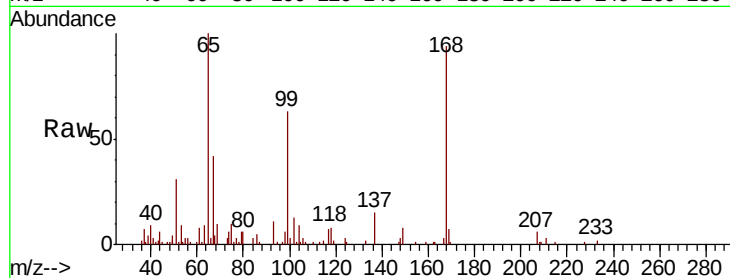
BFB

Tot Ion: 65 Resp: 37741

Ion Ratio Lower Upper

65 100

67 47.2 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

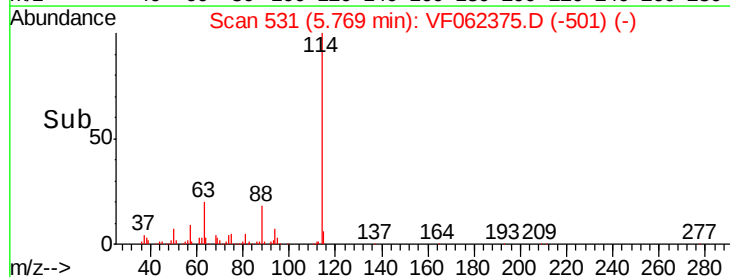
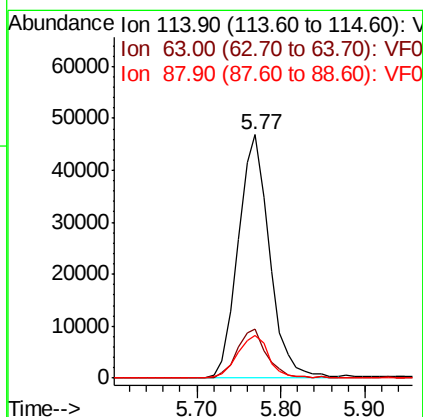
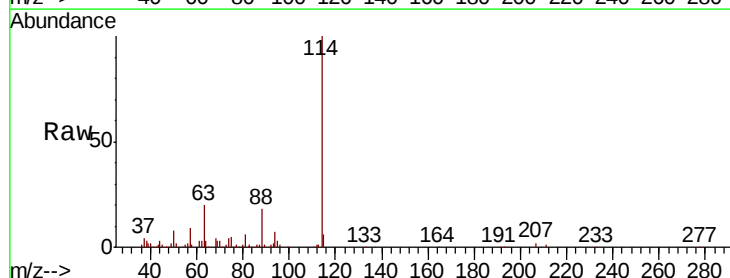
Tgt Ion: 114 Resp: 122117

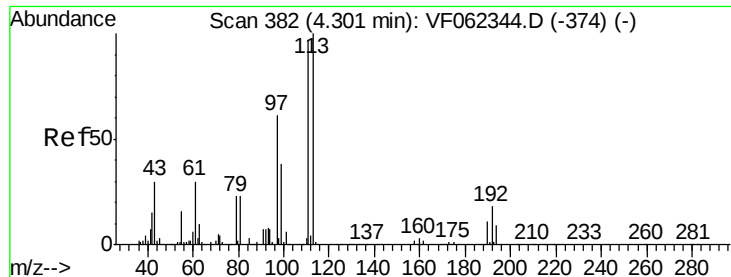
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 17.5 0.0 36.4

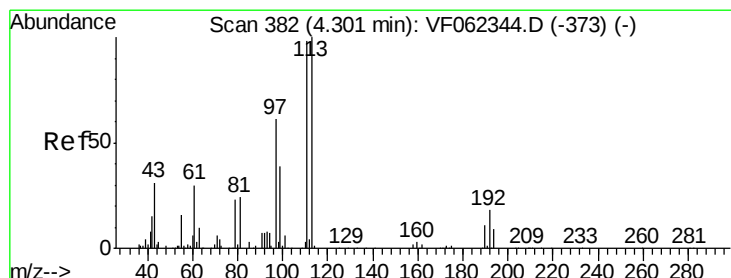
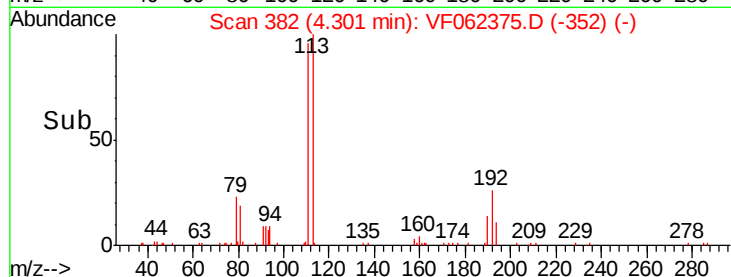
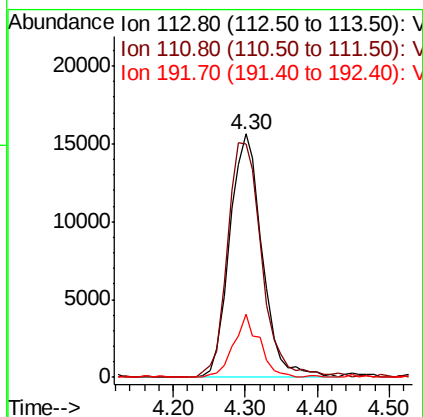
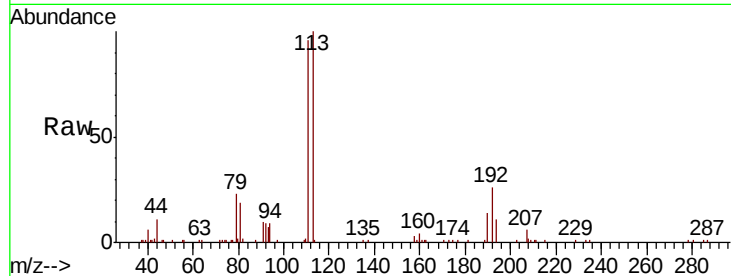




#35
Dibromofluoromethane
Concen: 50.513 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

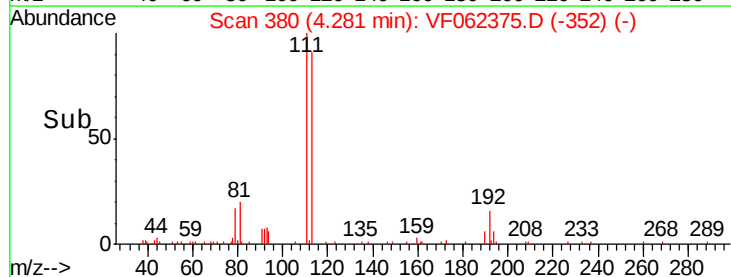
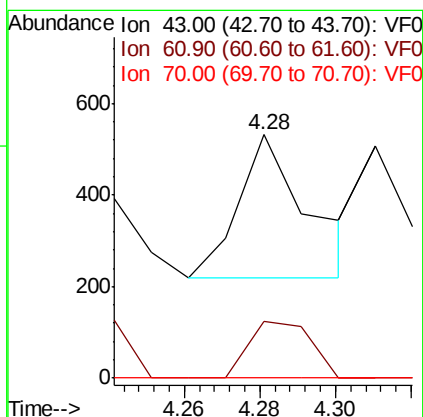
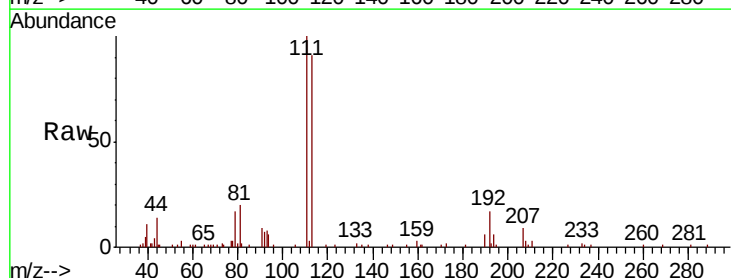
Instrument :
MSVOA_F
ClientSampleId :
BFB

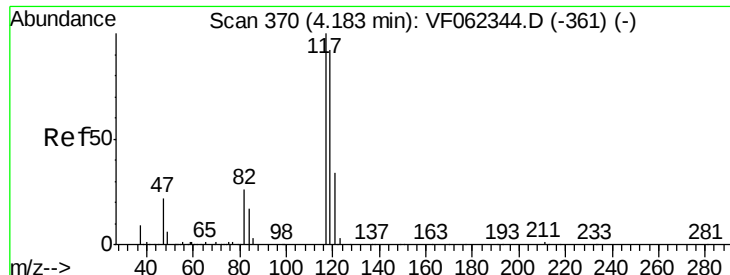
Tot Ion:113 Resp: 49143
Ion Ratio Lower Upper
113 100
111 101.3 79.4 119.0
192 20.7 16.0 24.0



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
61 35.4 0.0 0.0#
70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.20 min Scan# 372

Delta R.T. 0.02 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampleId :

BFB

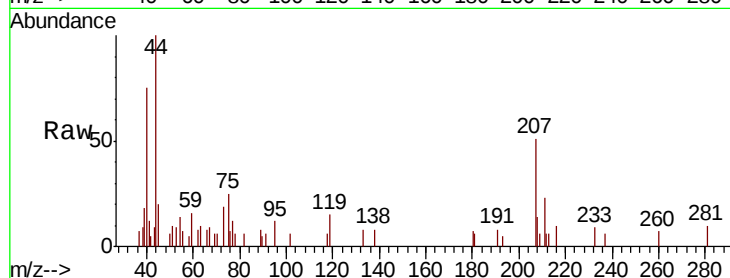
Tot Ion:117 Resp: 68

Ion Ratio Lower Upper

117 100

119 241.7 73.4 110.2#

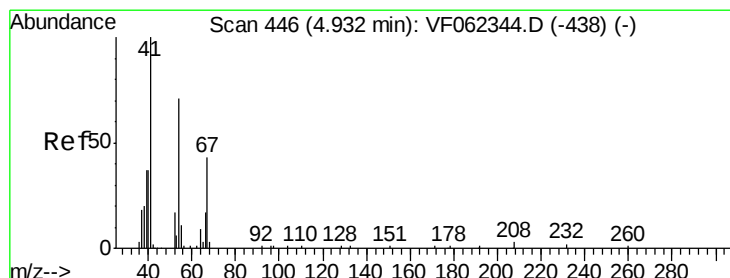
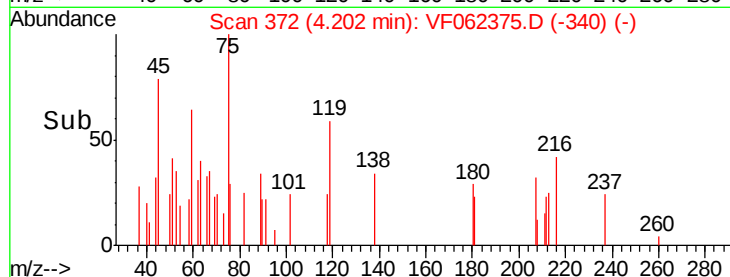
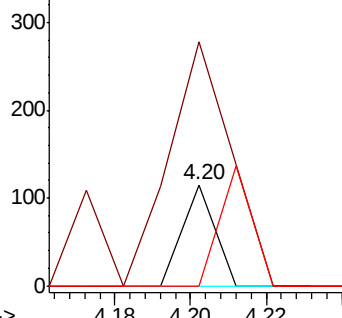
121 0.0 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 1.391 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Tgt Ion: 41 Resp: 350

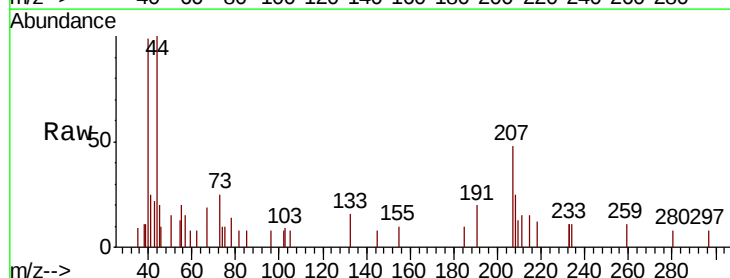
Ion Ratio Lower Upper

41 100

39 114.9 54.3 81.5#

67 0.0 37.8 56.8#

52 24.3 58.2 87.4#

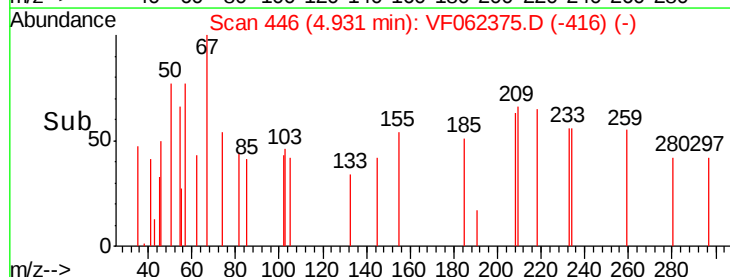
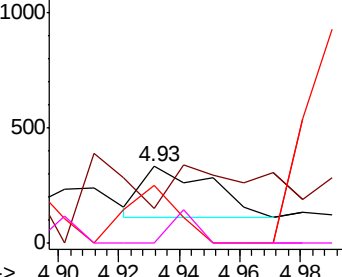


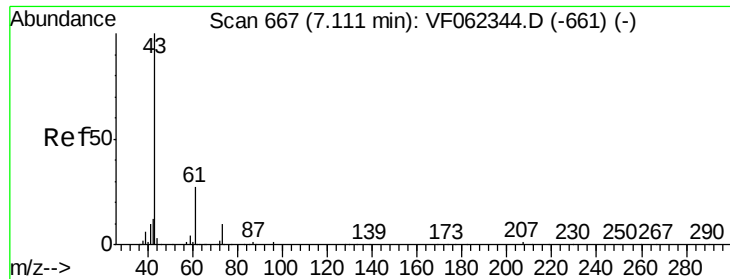
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 7.266 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampleId :

BFB

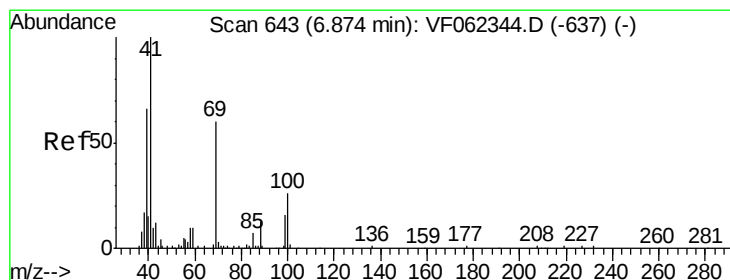
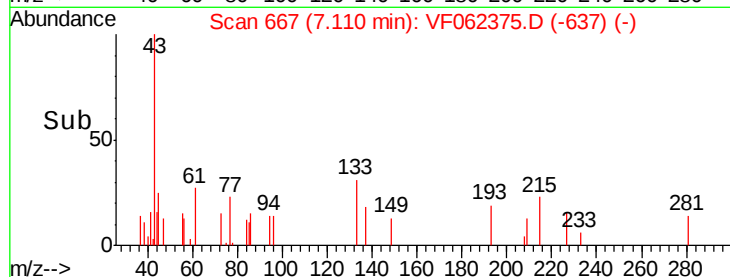
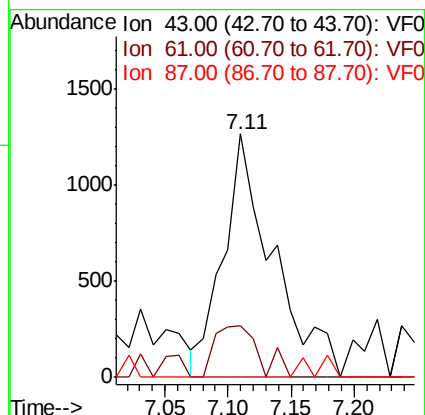
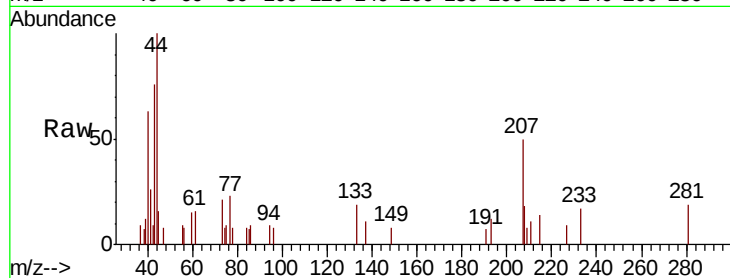
Tot Ion: 43 Resp: 3467

Ion Ratio Lower Upper

43 100

61 19.1 22.8 34.2#

87 0.0 0.6 1.0#



#48

Methyl methacrylate

Concen: 2.589 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

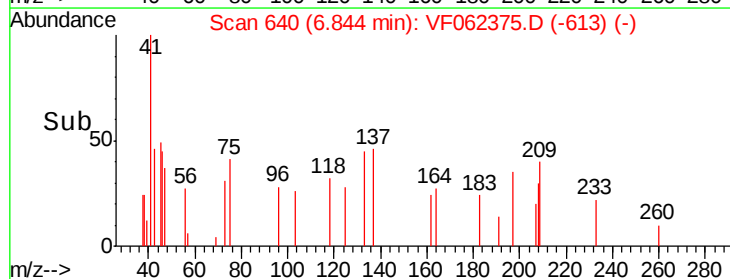
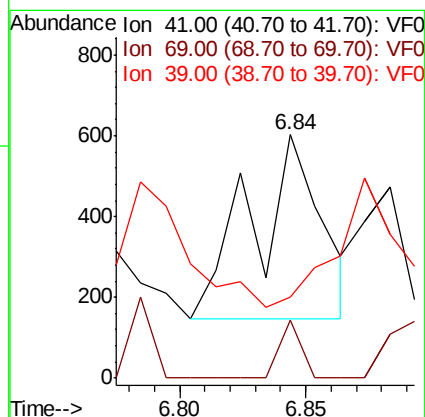
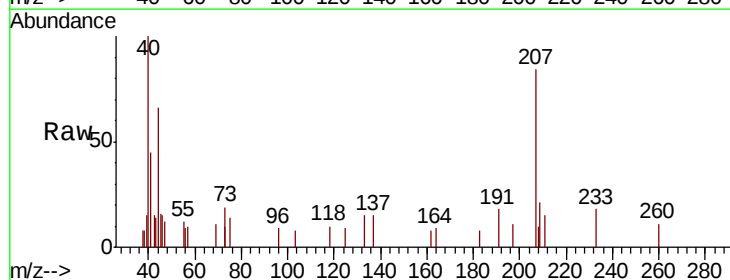
Tgt Ion: 41 Resp: 873

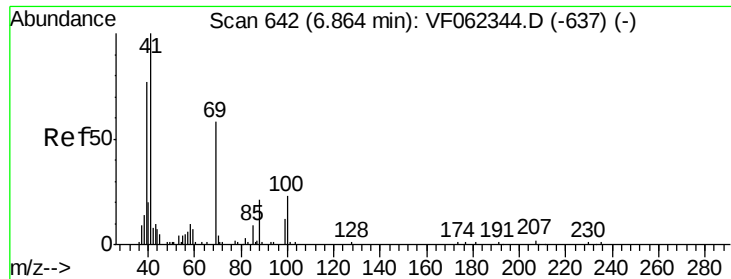
Ion Ratio Lower Upper

41 100

69 9.9 48.6 72.8#

39 0.0 56.1 84.1#

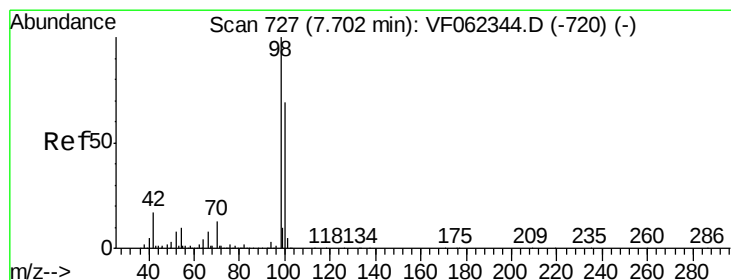
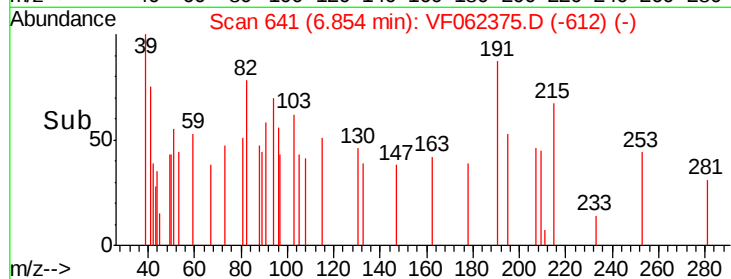
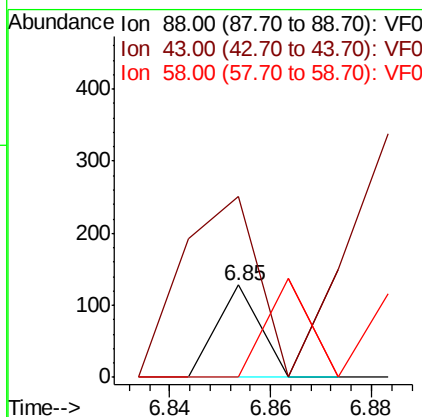
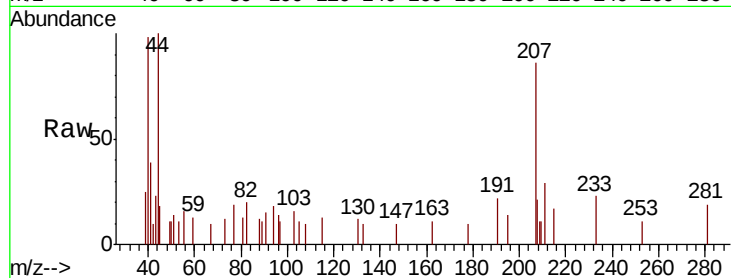




#49
1,4-Dioxane
Concen: 8.965 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

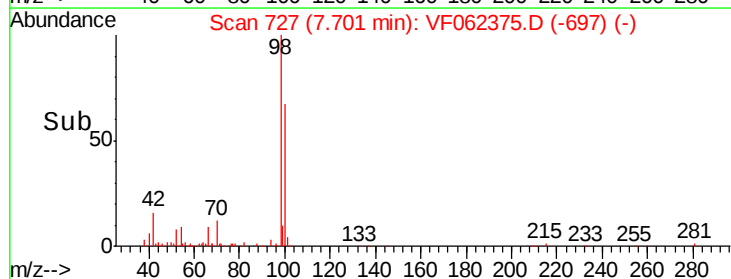
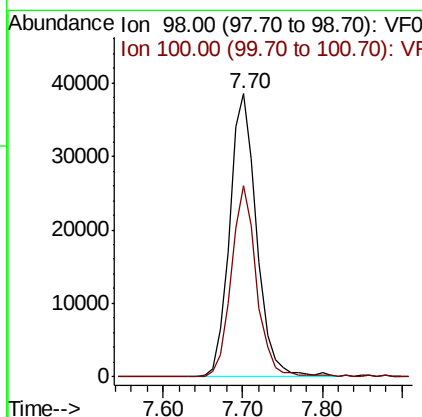
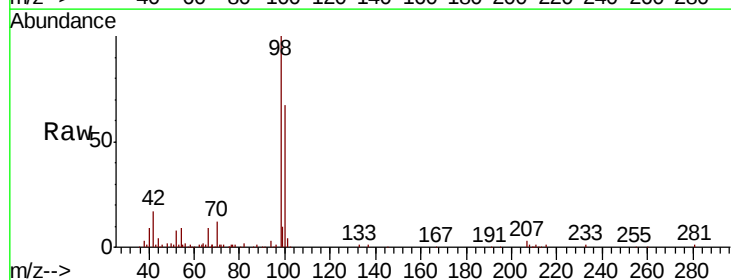
Instrument :
MSVOA_F
ClientSampleId :
BFB

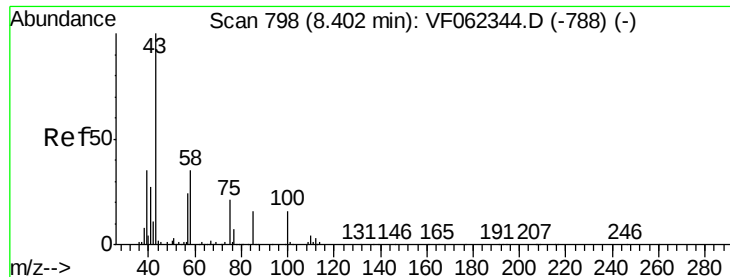
Tot Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 344.7 55.6 83.4#
58 197.4 52.8 79.2#



#50
Toluene-d8
Concen: 38.863 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

Tgt Ion: 98 Resp: 91524
Ion Ratio Lower Upper
98 100
100 63.5 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 24.685 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampleId :

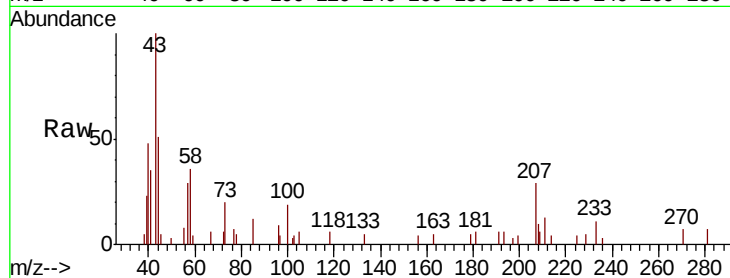
BFB

Tot Ion: 43 Resp: 8925

Ion Ratio Lower Upper

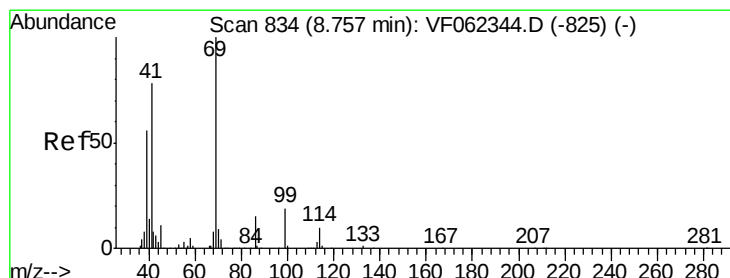
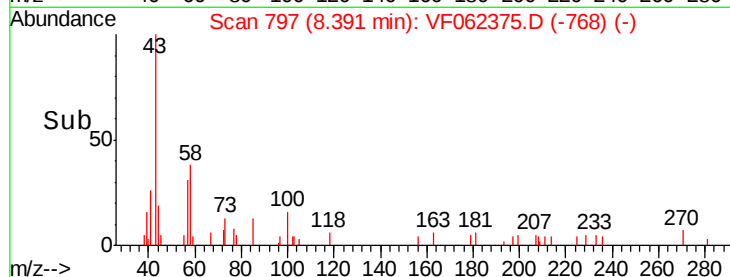
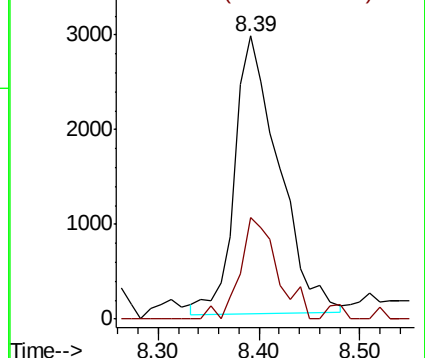
43 100

58 30.8 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#56

Ethyl methacrylate

Concen: 6.211 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.01 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

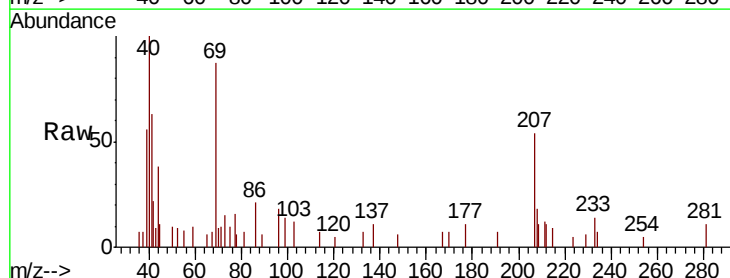
Tgt Ion: 69 Resp: 2966

Ion Ratio Lower Upper

69 100

41 75.7 66.3 99.5

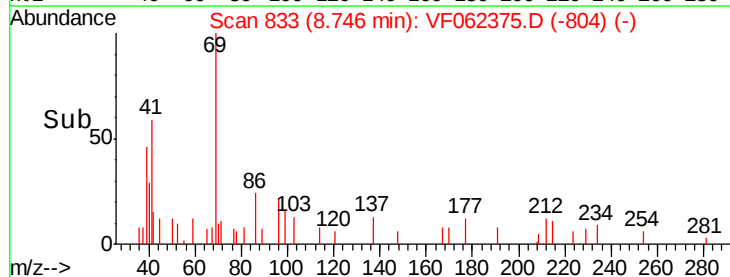
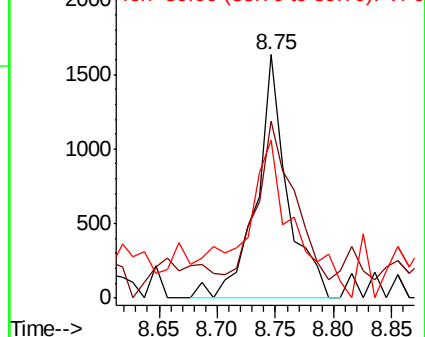
39 105.7 50.1 75.1#

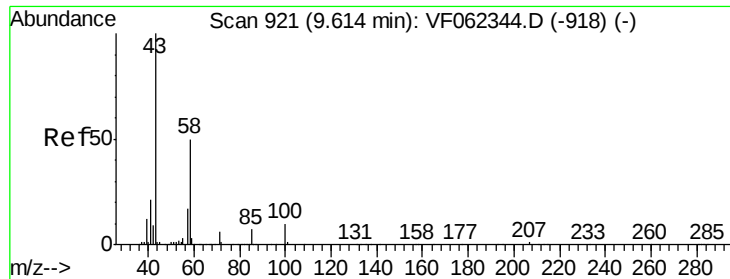


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

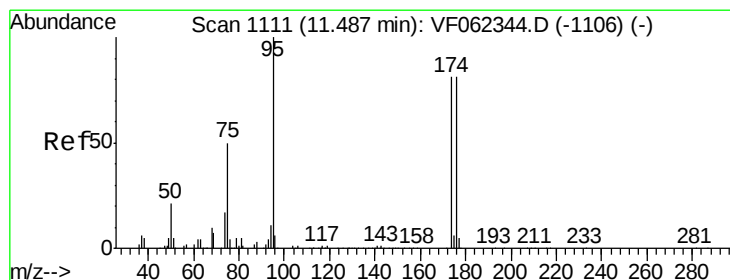
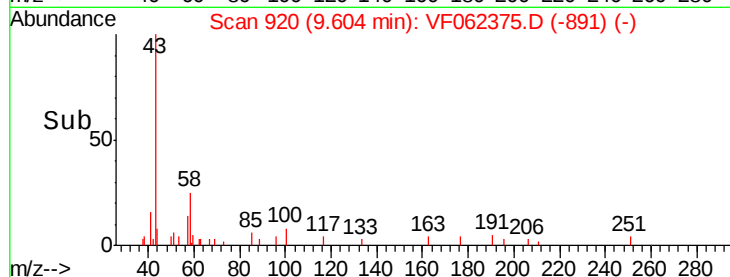
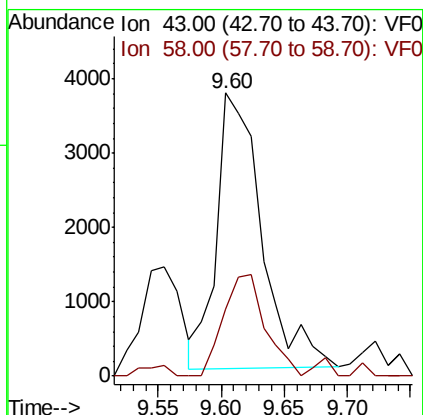
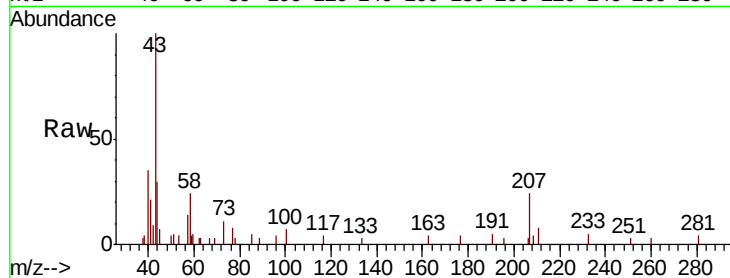




#59
2-Hexanone
Concen: 36.868 ug/l
RT: 9.60 min Scan# 920
Delta R.T. -0.01 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

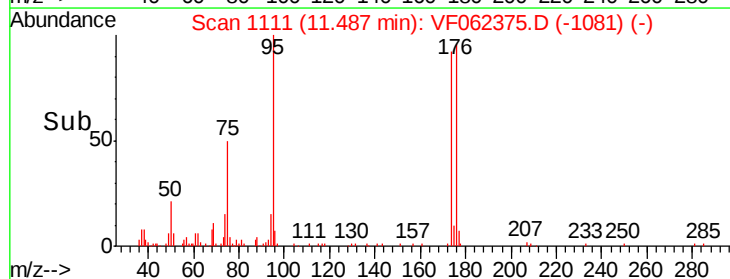
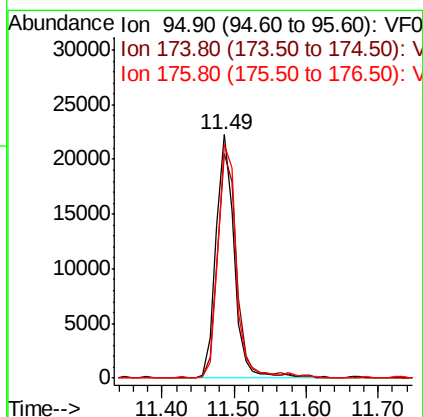
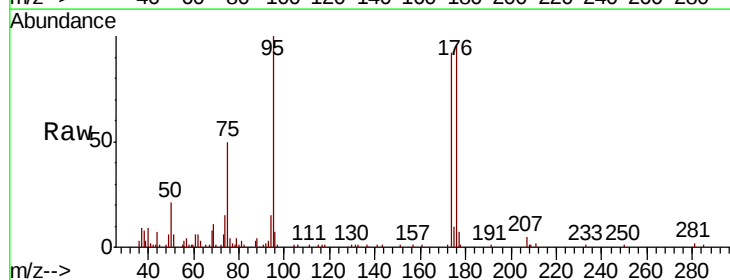
Instrument :
MSVOA_F
ClientSampleId :
BFB

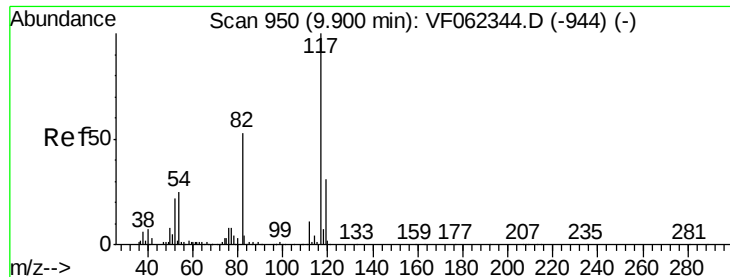
Tot Ion: 43 Resp: 9219
Ion Ratio Lower Upper
43 100
58 34.2 24.3 73.0



#62
4-Bromofluorobenzene
Concen: 36.138 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

Tgt Ion: 95 Resp: 38397
Ion Ratio Lower Upper
95 100
174 98.3 0.0 191.8
176 96.2 0.0 193.2

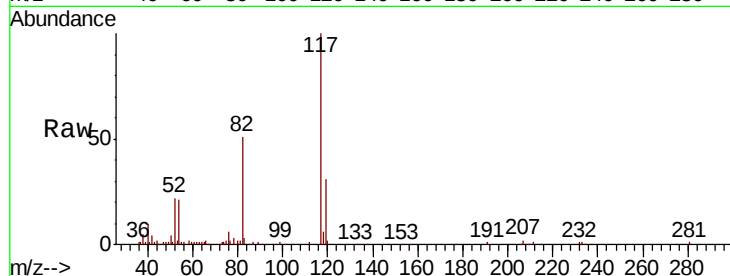




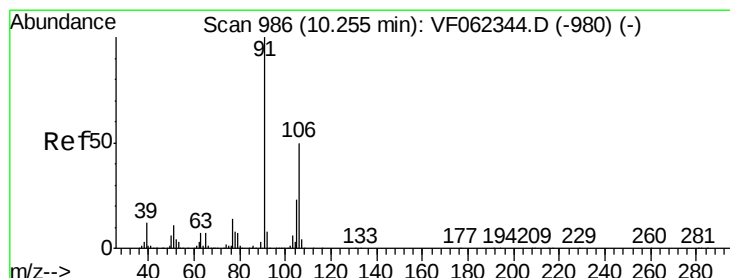
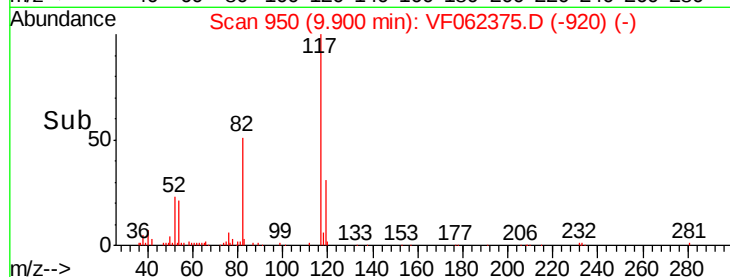
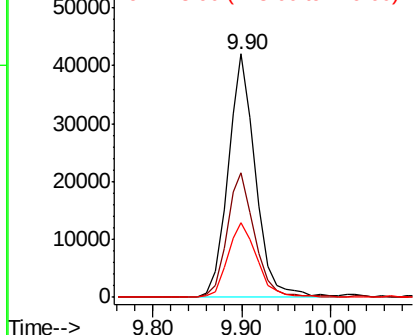
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.00 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

Instrument :
MSVOA_F
ClientSampled :
BFB

Tot Ion:117 Resp: 90798
Ion Ratio Lower Upper
117 100
82 51.1 42.2 63.2
119 30.6 25.0 37.4

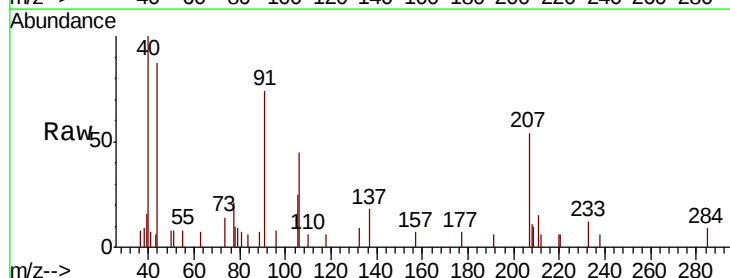


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

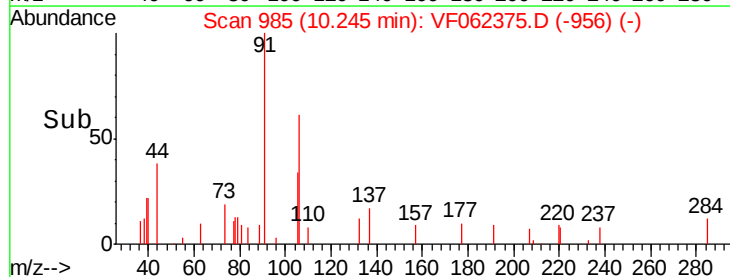
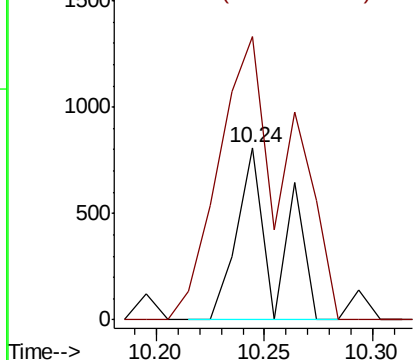


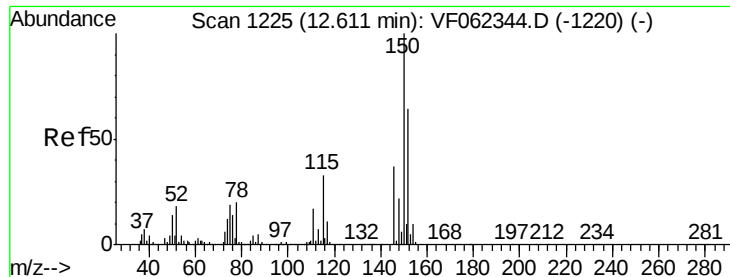
#68
m/p-Xylenes
Concen: 1.068 ug/l
RT: 10.24 min Scan# 985
Delta R.T. -0.01 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

Tgt Ion:106 Resp: 1037
Ion Ratio Lower Upper
106 100
91 287.8 167.4 251.2#



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



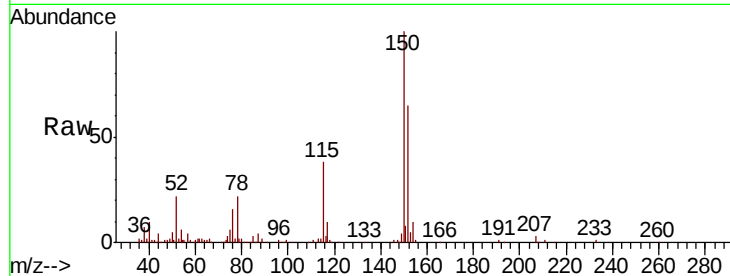


#72

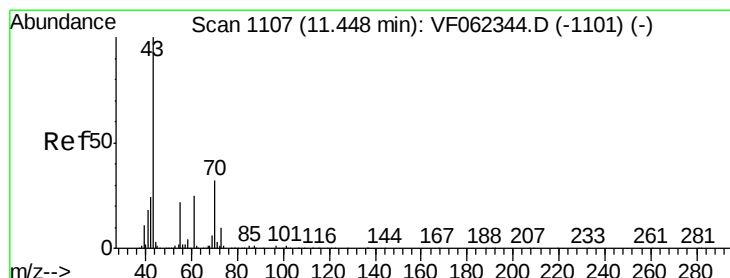
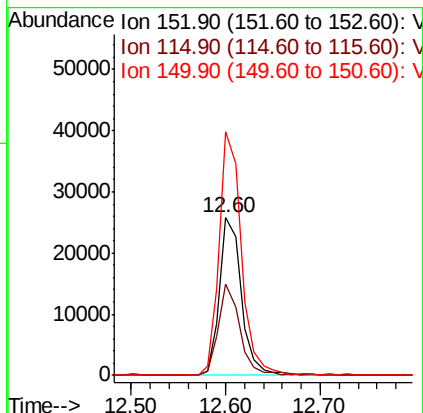
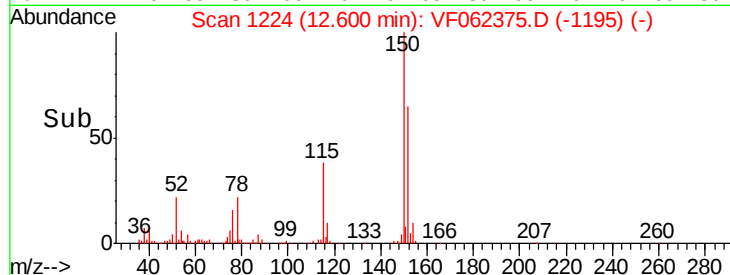
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

Instrument :
MSVOA_F
ClientSampled :
BFB

Tot Ion:152 Resp: 41382
Ion Ratio Lower Upper
152 100
115 57.3 26.4 79.2
150 155.8 0.0 335.0



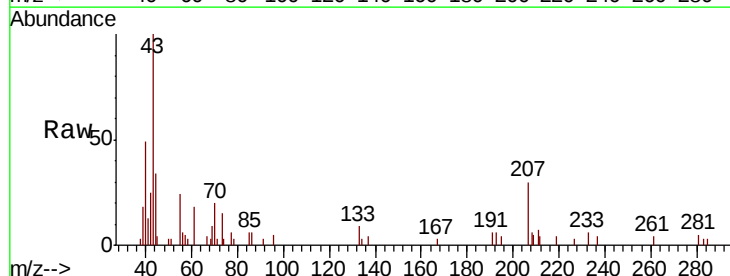
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



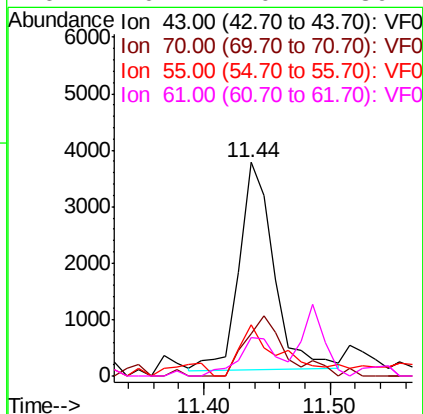
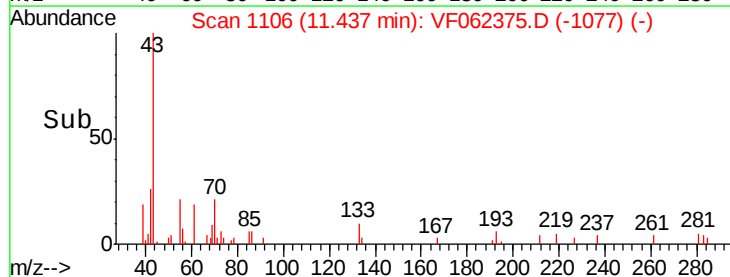
#74

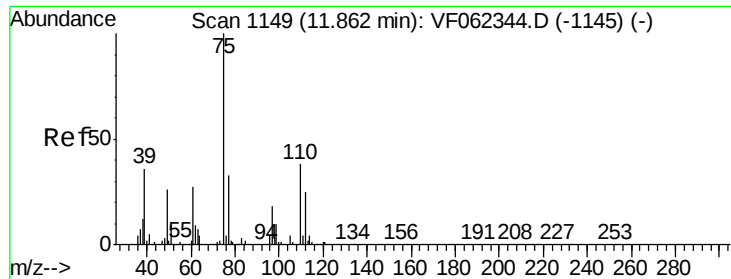
N-ethyl acetate
Concen: 13.361 ug/l
RT: 11.44 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

Tgt Ion: 43 Resp: 7037
Ion Ratio Lower Upper
43 100
70 34.2 26.5 39.7
55 30.3 17.8 26.6#
61 20.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 70.00 (69.70 to 70.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#76

1,2,3-Trichloropropane

Concen: 3.105 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampled :

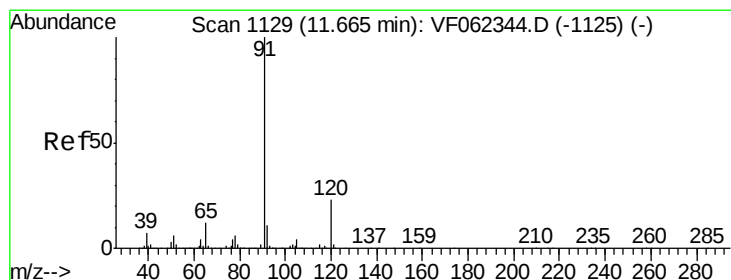
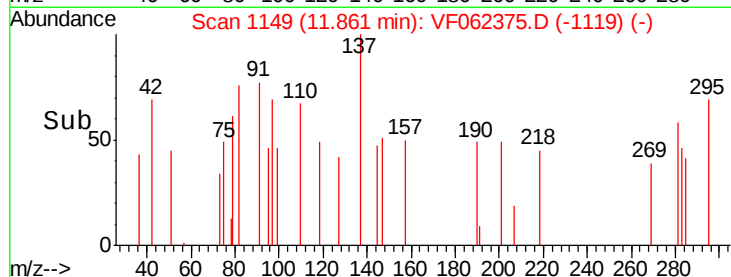
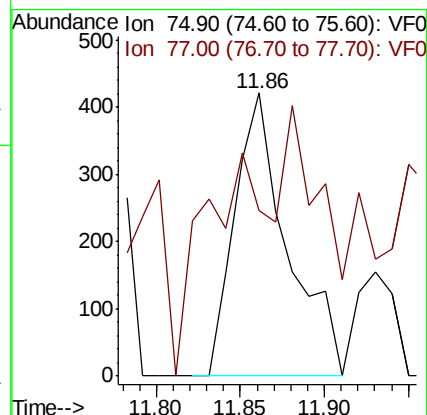
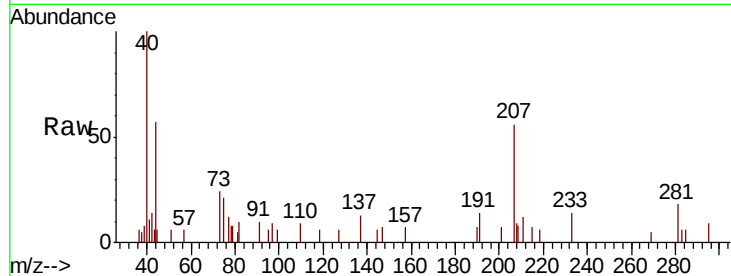
BFB

Tot Ion: 75 Resp: 910

Ion Ratio Lower Upper

75 100

77 98.8 0.0 0.0#



#78

n-propylbenzene

Concen: 1.418 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VF062375.D

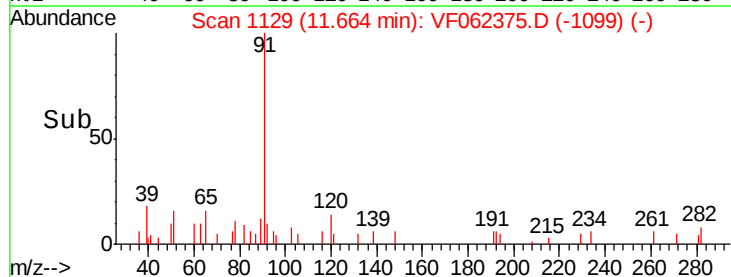
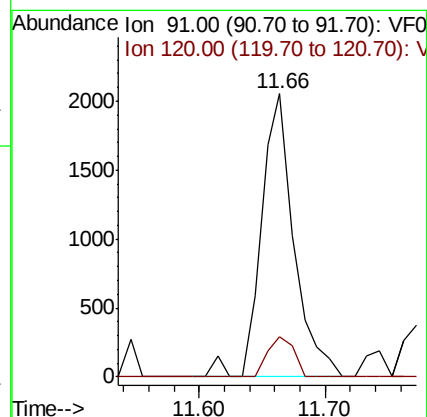
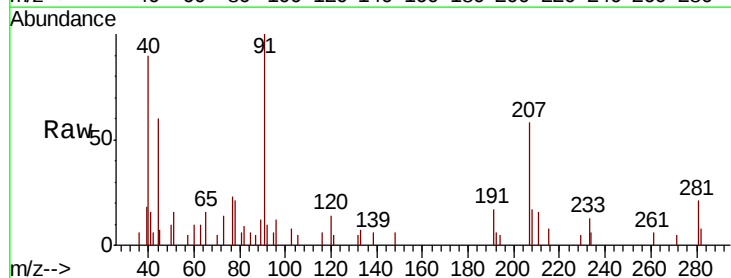
Acq: 8 May 2019 14:16

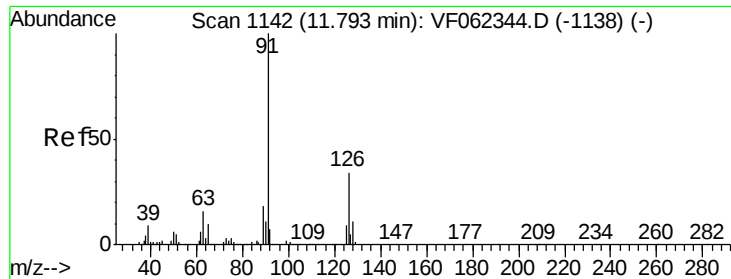
Tgt Ion: 91 Resp: 3704

Ion Ratio Lower Upper

91 100

120 11.2 11.9 35.5#

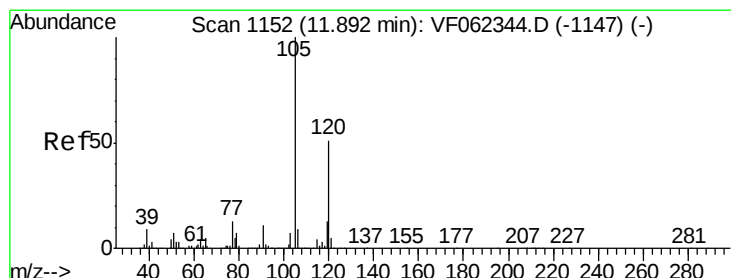
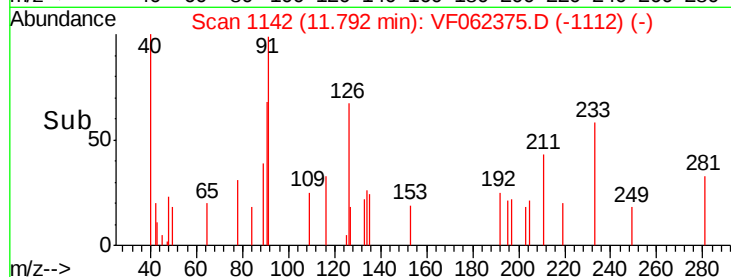
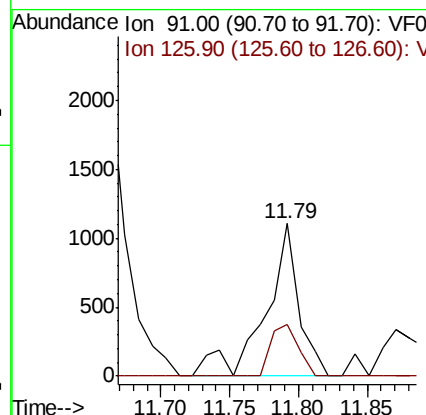
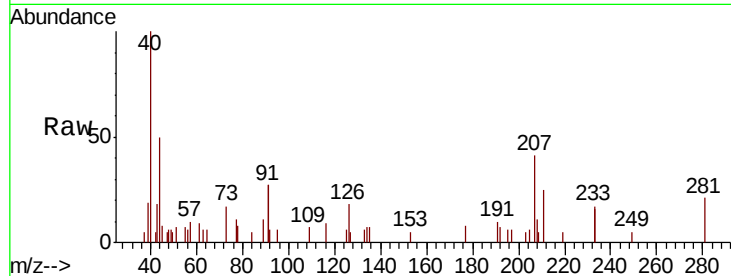




#79
2-Chlorotoluene
Concen: 1.153 ug/l
RT: 11.79 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

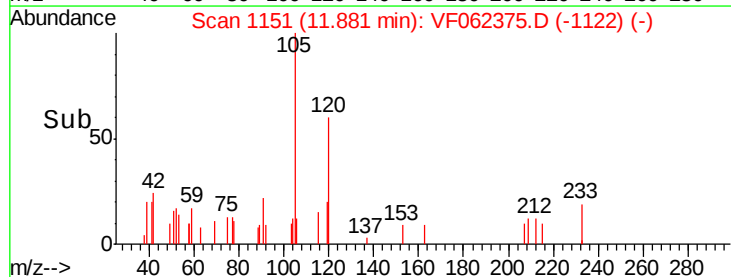
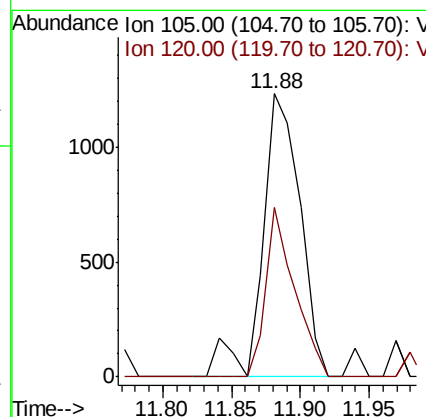
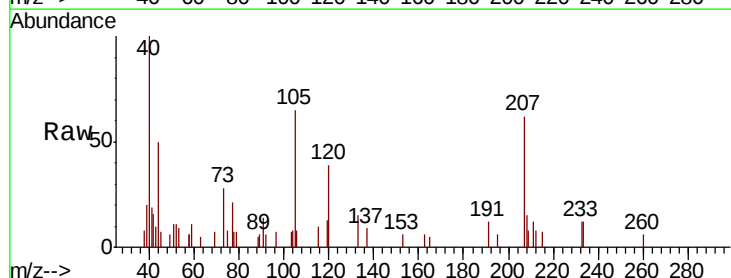
Instrument :
MSVOA_F
ClientSampled :
BFB

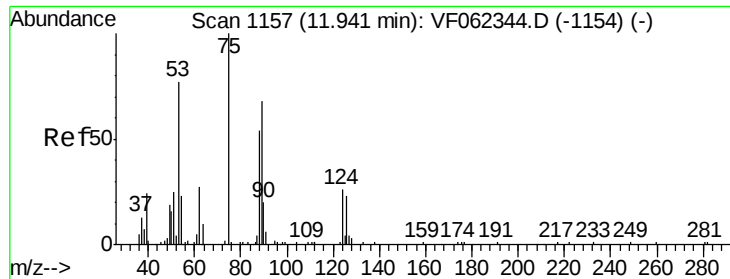
Tot Ion: 91 Resp: 1873
Ion Ratio Lower Upper
91 100
126 27.9 17.8 53.4



#80
1,3,5-Trimethylbenzene
Concen: 1.090 ug/l
RT: 11.88 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VF062375.D
Acq: 8 May 2019 14:16

Tgt Ion:105 Resp: 2343
Ion Ratio Lower Upper
105 100
120 46.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 2.151 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampled :

BFB

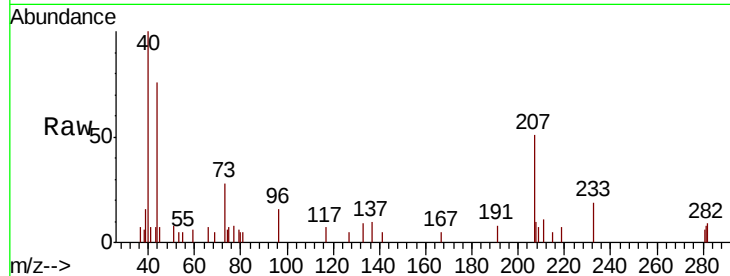
Tot Ion: 75 Resp: 237

Ion Ratio Lower Upper

75 100

53 57.0 71.9 107.9#

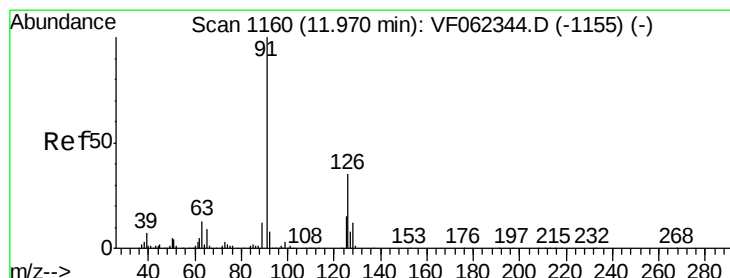
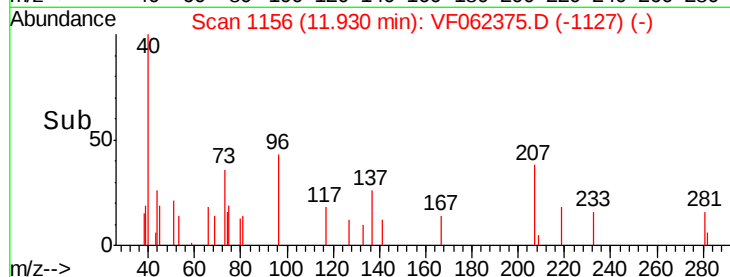
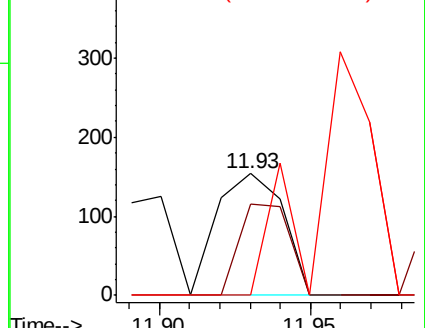
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 1.076 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF062375.D

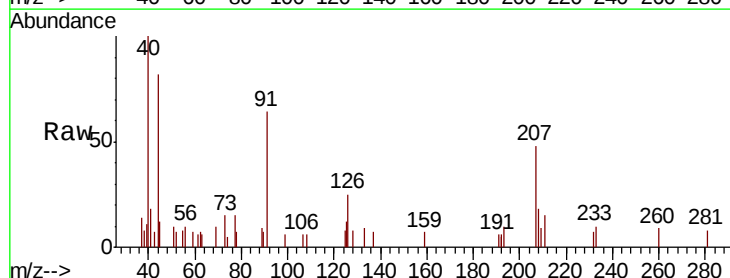
Acq: 8 May 2019 14:16

Tgt Ion: 91 Resp: 1726

Ion Ratio Lower Upper

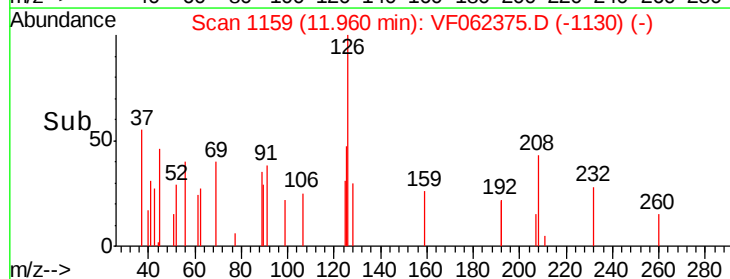
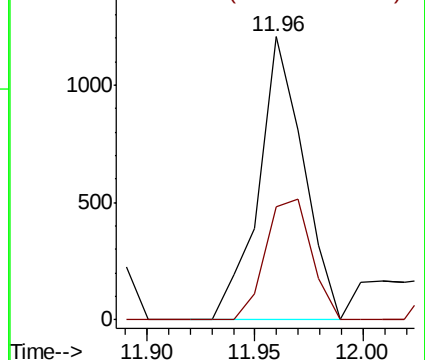
91 100

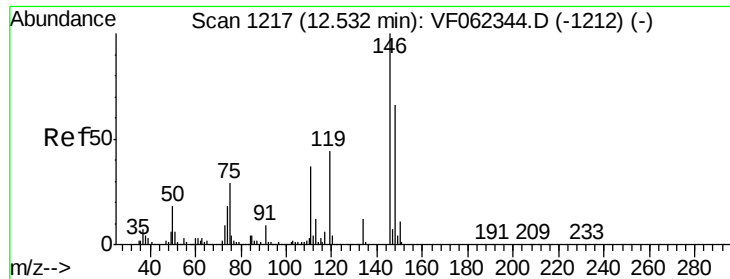
126 44.1 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#87

1,3-Dichlorobenzene

Concen: 1.066 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampleId :

BFB

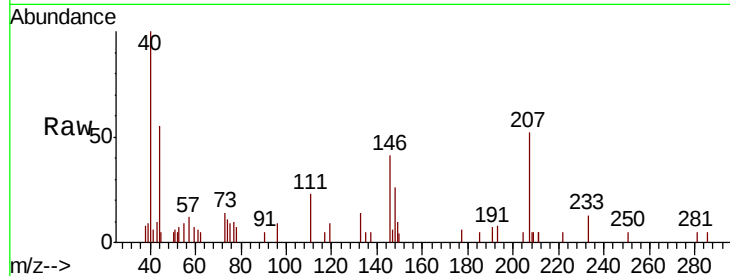
Tot Ion:146 Resp: 1253

Ion Ratio Lower Upper

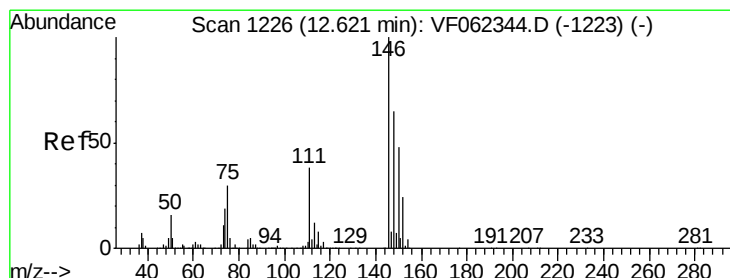
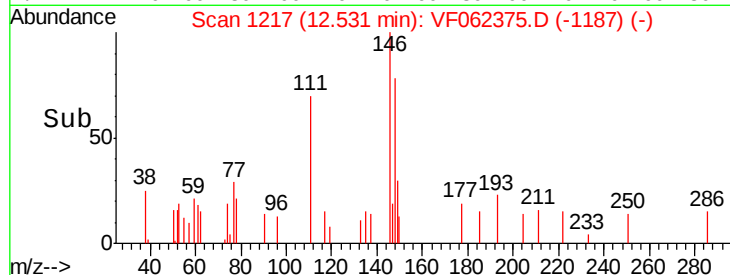
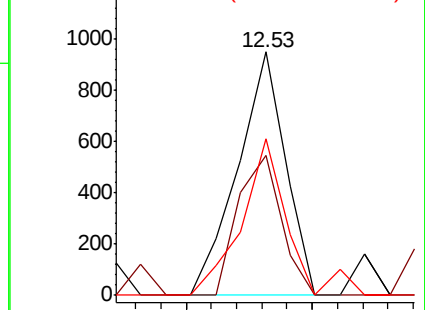
146 100

111 52.0 18.3 54.8

148 61.8 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.104 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.09 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

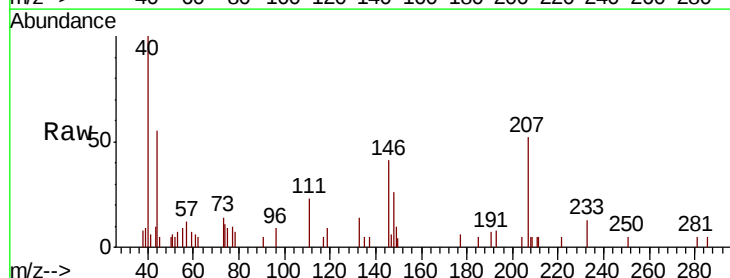
Tgt Ion:146 Resp: 1253

Ion Ratio Lower Upper

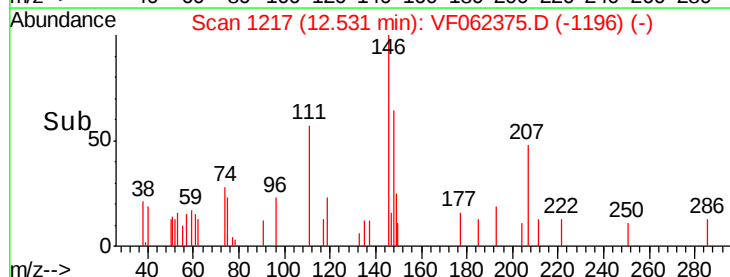
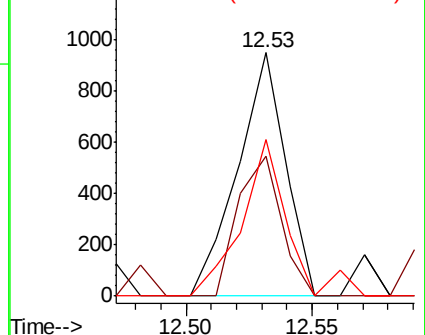
146 100

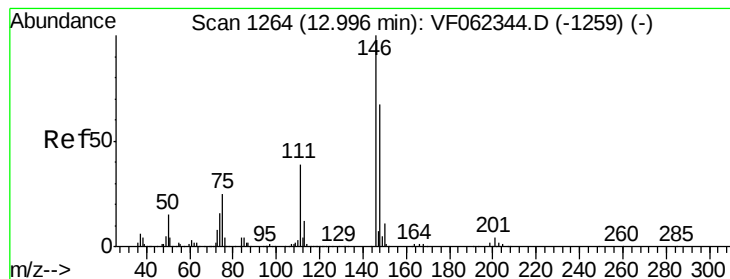
111 52.0 18.8 56.3

148 61.8 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 1.099 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampled :

BFB

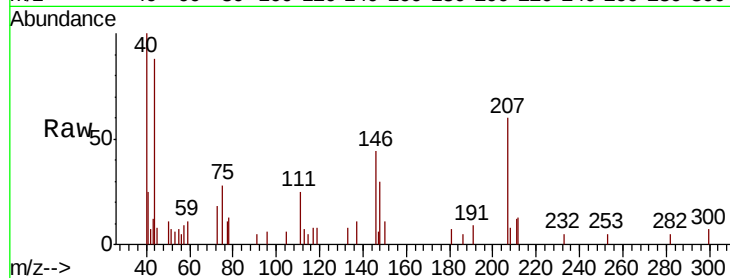
Tot Ion:146 Resp: 1251

Ion Ratio Lower Upper

146 100

111 27.5 20.0 60.0

148 60.0 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.98

800

600

400

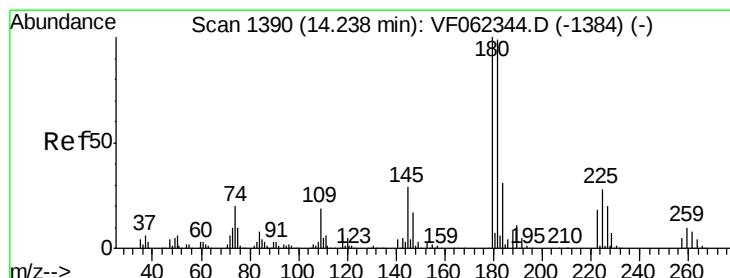
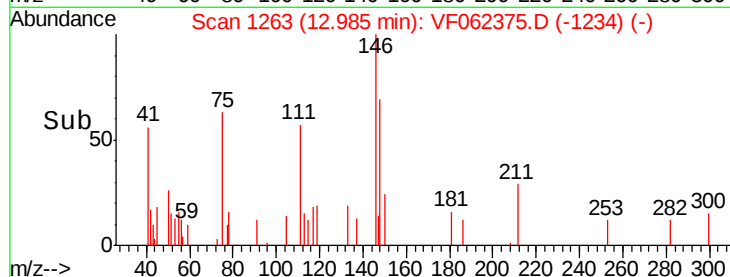
200

0

12.95

13.00

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.874 ug/l

RT: 14.23 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

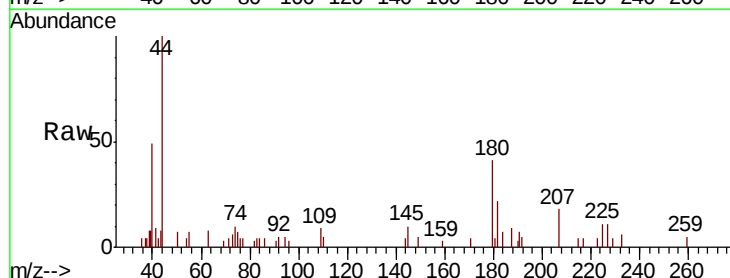
Tgt Ion:180 Resp: 1913

Ion Ratio Lower Upper

180 100

182 66.3 49.0 147.0

145 15.8 16.7 50.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.23

1500

1000

500

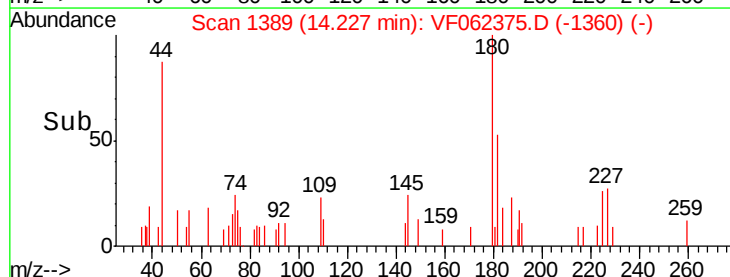
0

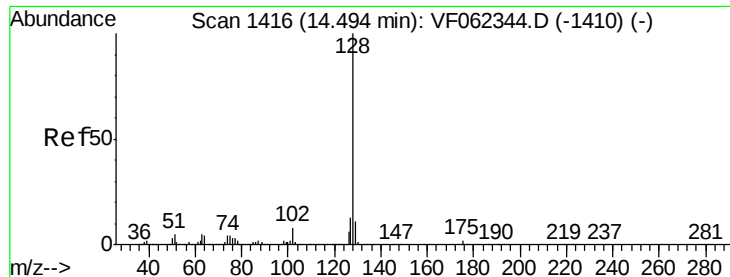
14.20

14.25

14.30

Time-->





#95

Naphthalene

Concen: 6.587 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

Instrument :

MSVOA_F

ClientSampleId :

BFB

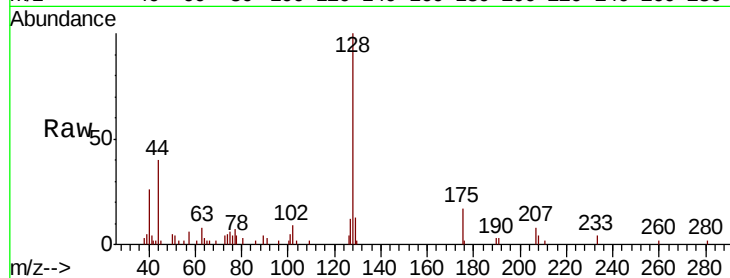
Tot Ion:128 Resp: 10110

Ion Ratio Lower Upper

128 100

127 16.3 10.5 15.7#

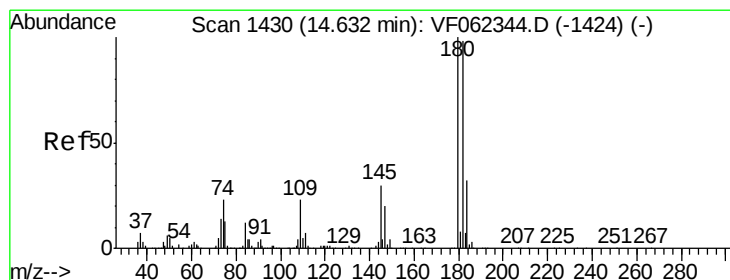
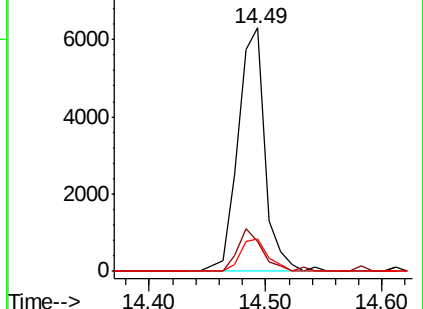
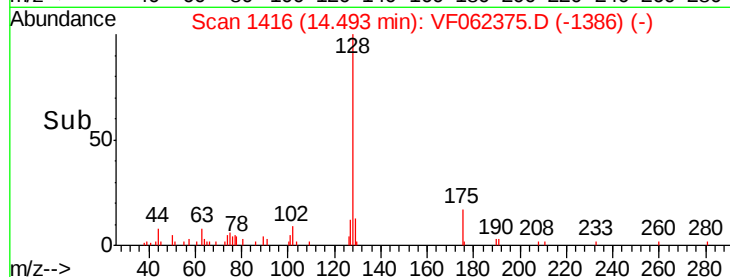
129 13.4 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.830 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.00 min

Lab File: VF062375.D

Acq: 8 May 2019 14:16

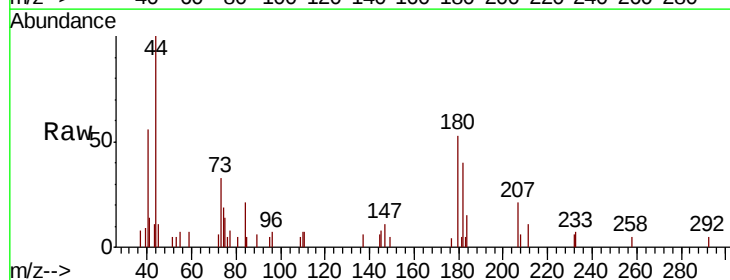
Tgt Ion:180 Resp: 1810

Ion Ratio Lower Upper

180 100

182 70.4 49.4 148.0

145 18.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

