

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062662.D
 Acq On : 20 May 2019 15:56
 Operator : FY/SY
 Sample : K2894-08
 Misc : 5.06g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-06-3-4

Quant Time: May 20 16:19:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	119625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	113604	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	38015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	3897	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	4039	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
35) Dibromofluoromethane	4.31	113	16712	19.22	ug/l	-0.01
Spiked Amount			Recovery	=	38.44%	
50) Toluene-d8	7.72	98	52228	25.16	ug/l	0.00
Spiked Amount			Recovery	=	50.32%	
62) 4-Bromofluorobenzene	11.50	95	5236	6.65	ug/l	0.00
Spiked Amount			Recovery	=	13.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.17	50	1572	1.049	ug/l	89
11) Tert butyl alcohol	2.72	59	1023	18.330	ug/l #	70
13) Acrolein	2.09	56	829	14.230	ug/l #	69
14) Allyl chloride	2.23	41	1185	1.218	ug/l #	56
15) Acrylonitrile	3.09	53	407	2.585	ug/l #	82
16) Acetone	2.44	43	528	2.408	ug/l	93
18) Methyl Acetate	2.44	43	528	1.532	ug/l #	52
25) 2-Butanone	4.55	43	606	1.293	ug/l	96
29) Tetrahydrofuran	4.29	42	601	3.170	ug/l #	52
37) Ethyl Acetate	4.33	43	493	1.037	ug/l #	49
41) Methacrylonitrile	4.96	41	1321	5.301	ug/l #	84
43) Isopropyl Acetate	7.12	43	1492	2.423	ug/l #	43
48) Methyl methacrylate	6.91	41	2483	7.715	ug/l #	16
49) 1,4-Dioxane	6.87	88	306	74.231	ug/l #	1
51) 4-Methyl-2-Pentanone	8.47	43	556	1.321	ug/l #	32
56) Ethyl methacrylate	8.78	69	763	1.301	ug/l #	48
58) 2-Chloroethyl Vinyl ether	7.46	63	321	1.681	ug/l #	51
59) 2-Hexanone	9.65	43	1233	Below Cal		63
73) Isopropylbenzene	11.26	105	380	1.361	ug/l	78
74) N-amyl acetate	11.46	43	1891	23.779	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	11.73	83	1250	21.899	ug/l #	23
76) 1,2,3-Trichloropropane	11.92	75	519	13.838	ug/l	91
78) n-propylbenzene	11.68	91	878	2.656	ug/l	91
79) 2-Chlorotoluene	11.74	91	420	2.255	ug/l	73
80) 1,3,5-Trimethylbenzene	11.89	105	513	2.291	ug/l #	22
81) trans-1,4-Dichloro-2-buten	12.08	75	792	47.507	ug/l	89
82) 4-Chlorotoluene	11.96	91	290	1.579	ug/l #	37
83) tert-Butylbenzene	12.21	119	288	1.268	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.28	105	390	1.799	ug/l	88
87) 1,3-Dichlorobenzene	12.54	146	182	1.449	ug/l	96
88) 1,4-Dichlorobenzene	12.54	146	182	1.544	ug/l	94
89) n-Butylbenzene	12.88	91	309	1.220	ug/l #	25
90) Hexachloroethane	12.91	117	565	9.165	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.68	75	194	28.490	ug/l #	1

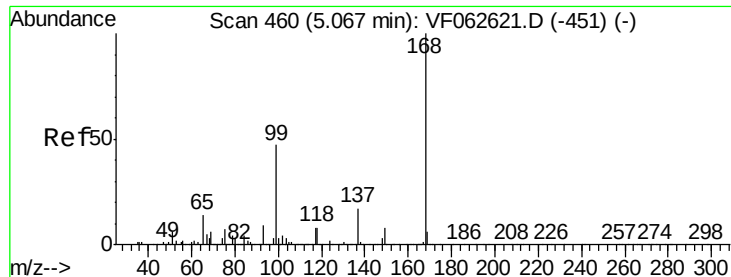
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052019\
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	90	1.123	ug/l #	11
94) Hexachlorobutadiene	14.25	225	66	1.180	ug/l #	16
96) 1,2,3-Trichlorobenzene	14.63	180	191	2.516	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

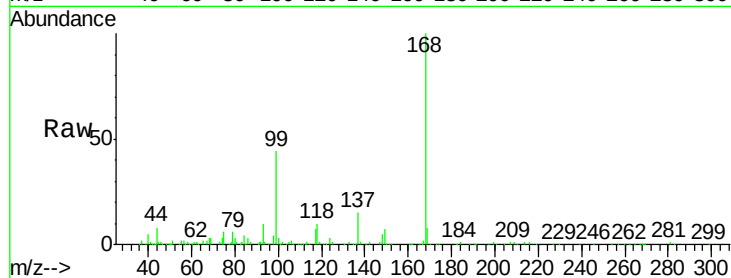
SB-06-3-4

Tot Ion:168 Resp: 119625

Ion Ratio Lower Upper

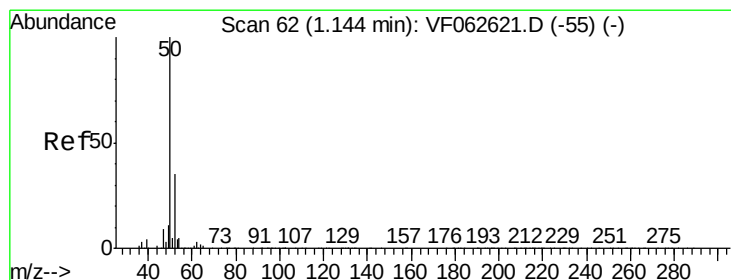
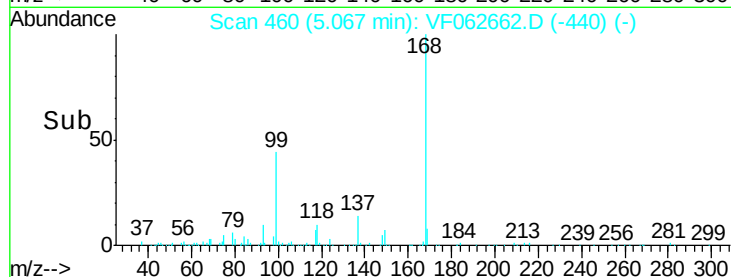
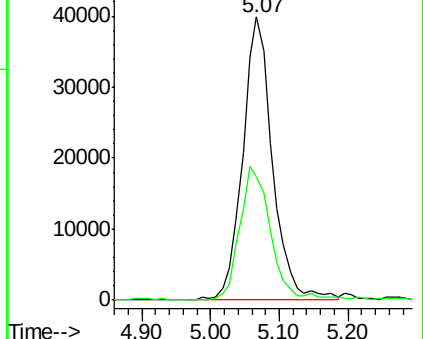
168 100

99 43.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.049 ug/l

RT: 1.17 min Scan# 65

Delta R.T. 0.03 min

Lab File: VF062662.D

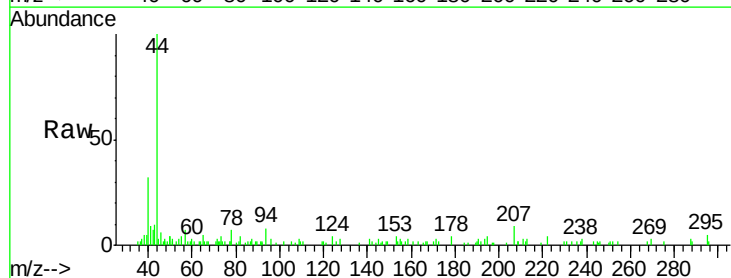
Acq: 20 May 2019 15:56

Tgt Ion: 50 Resp: 1572

Ion Ratio Lower Upper

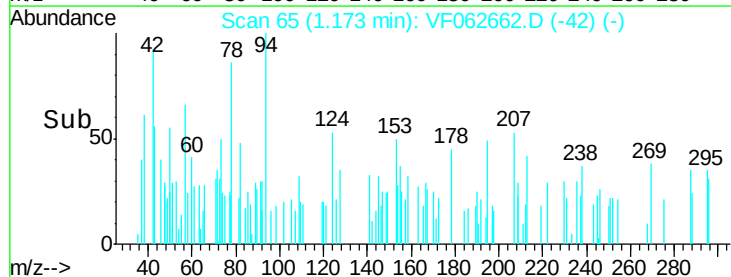
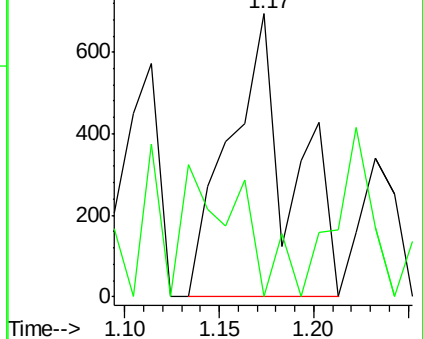
50 100

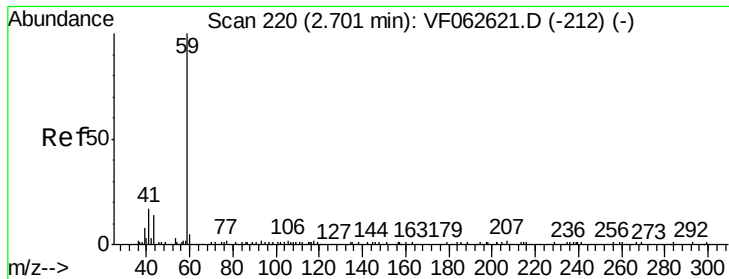
52 28.2 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



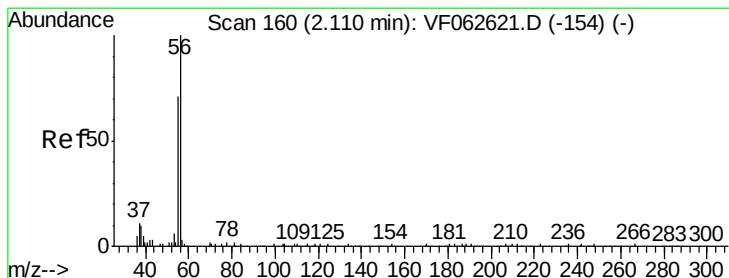
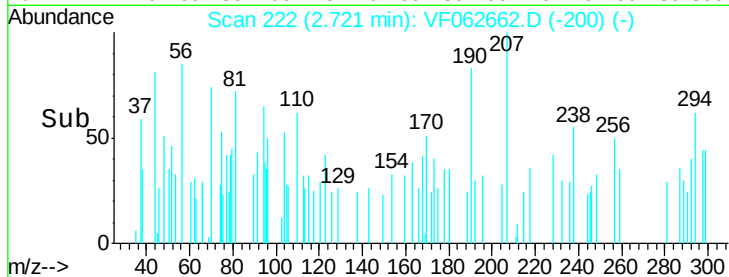
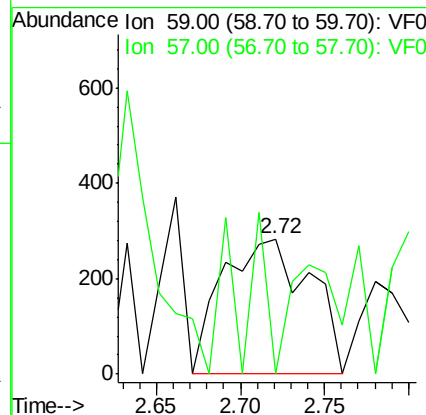
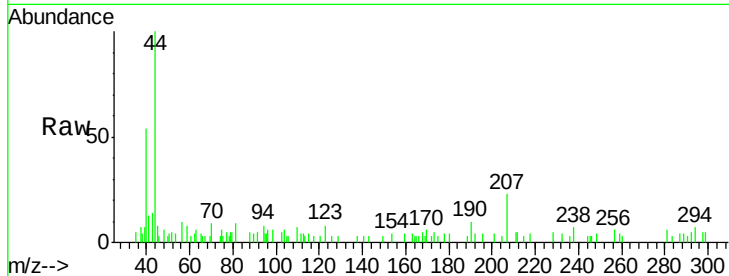


#11

Tert butyl alcohol
 Concen: 18.330 ug/l
 RT: 2.72 min Scan# 222
 Delta R.T. 0.02 min
 Lab File: VF062662.D
 Acq: 20 May 2019 15:56

Instrument :
 MSVOA_F
 ClientSampled :
 SB-06-3-4

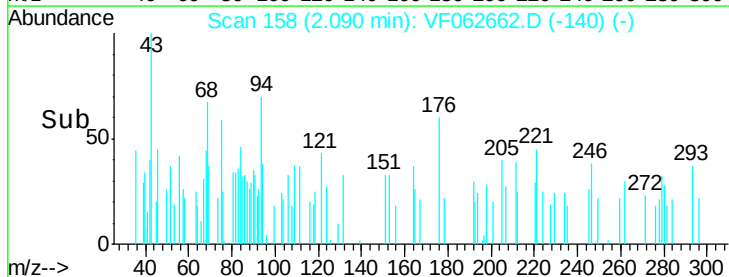
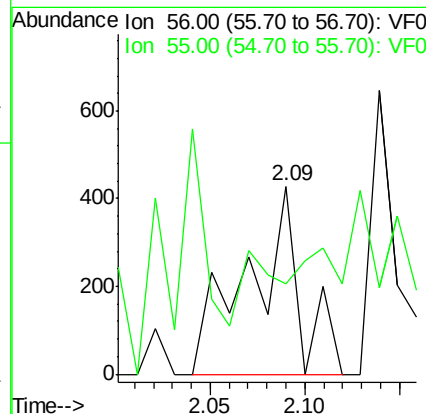
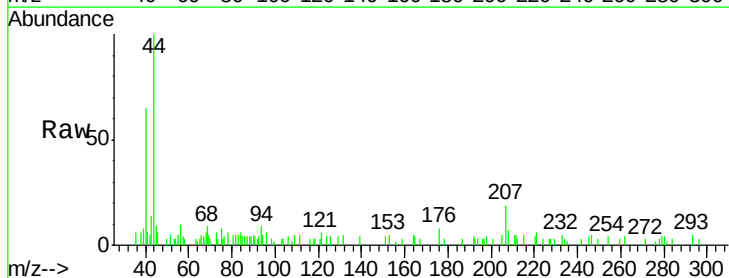
Tot Ion: 59 Resp: 1023
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

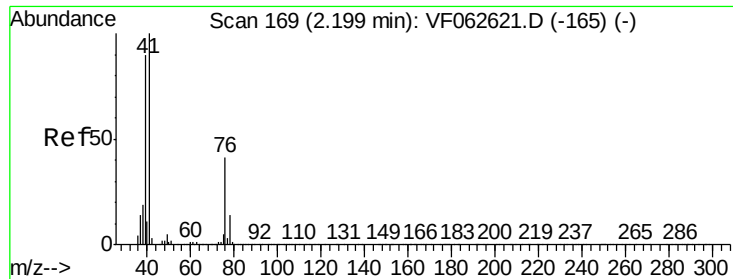


#13

Acrolein
 Concen: 14.230 ug/l
 RT: 2.09 min Scan# 158
 Delta R.T. -0.02 min
 Lab File: VF062662.D
 Acq: 20 May 2019 15:56

Tgt Ion: 56 Resp: 829
 Ion Ratio Lower Upper
 56 100
 55 48.0 59.4 89.0#

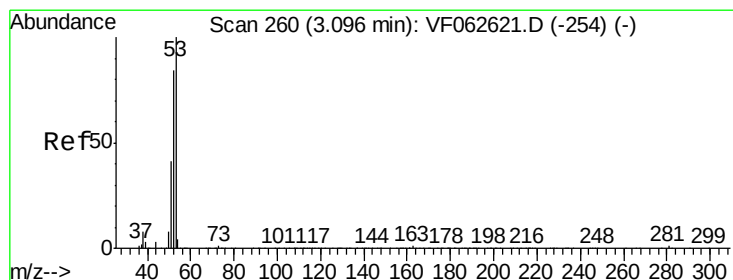
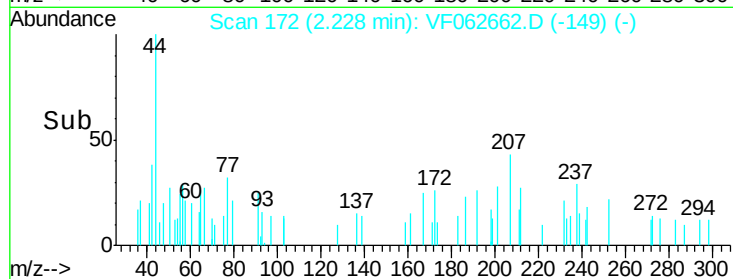
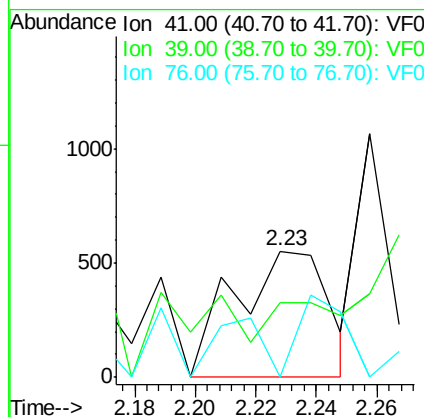
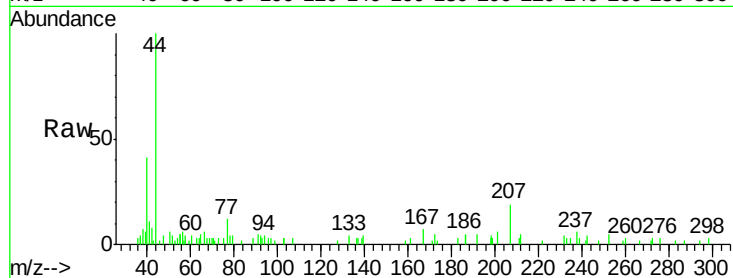




#14
Allvl chloride
Concen: 1.218 ug/l
RT: 2.23 min Scan# 172
Delta R.T. 0.03 min
Lab File: VF062662.D
Acq: 20 May 2019 15:56

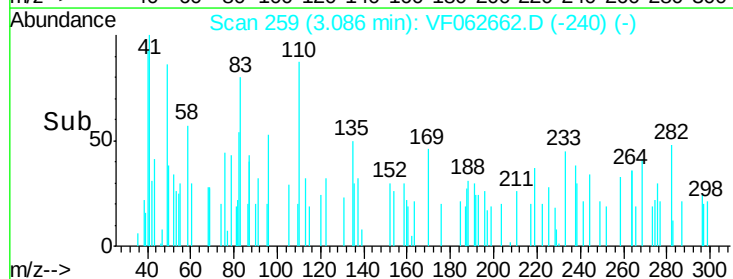
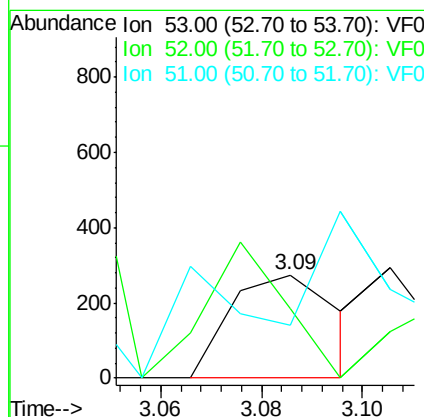
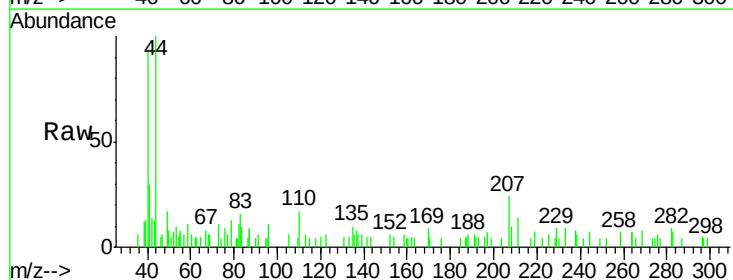
Instrument :
MSVOA_F
ClientSampled :
SB-06-3-4

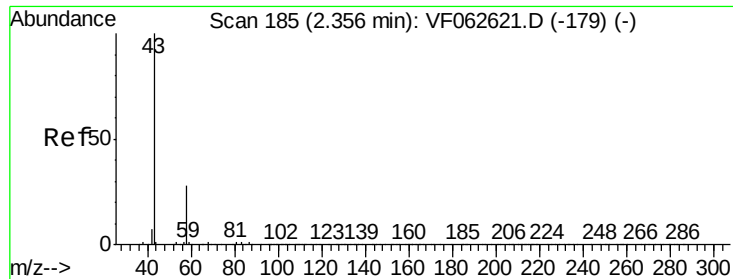
Tot Ion: 41 Resp: 1185
Ion Ratio Lower Upper
41 100
39 59.1 72.0 108.0#
76 0.0 34.8 52.2#



#15
Acrylonitrile
Concen: 2.585 ug/l
RT: 3.09 min Scan# 259
Delta R.T. -0.01 min
Lab File: VF062662.D
Acq: 20 May 2019 15:56

Tgt Ion: 53 Resp: 407
Ion Ratio Lower Upper
53 100
52 67.2 67.3 100.9#
51 51.5 33.0 49.6#





#16

Acetone

Concen: 2.408 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.08 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

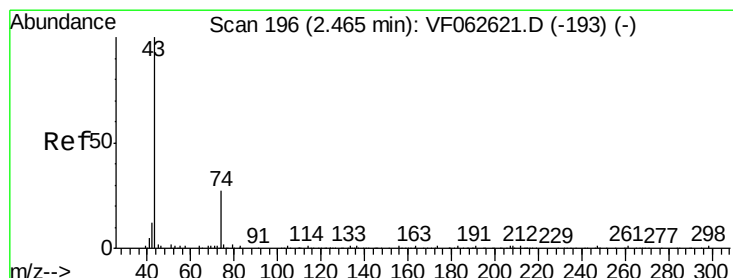
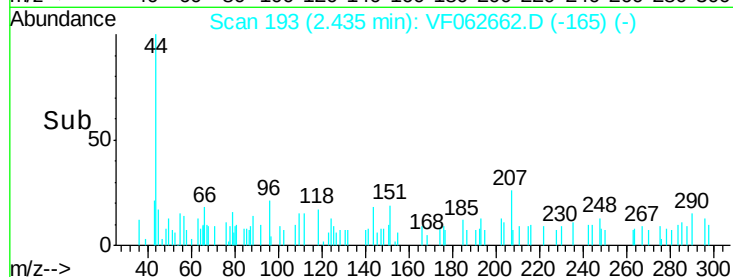
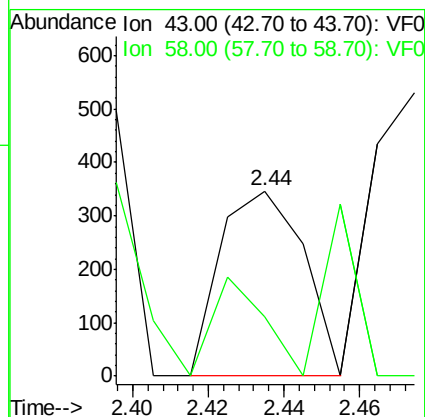
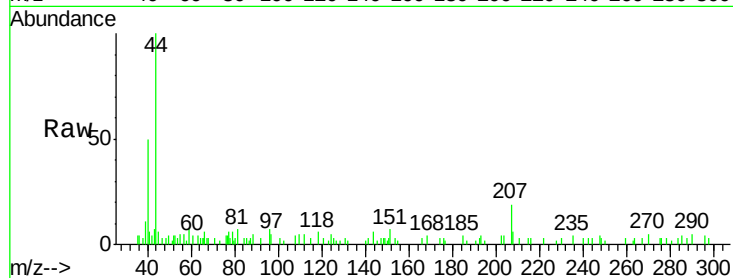
SB-06-3-4

Tot Ion: 43 Resp: 528

Ion Ratio Lower Upper

43 100

58 32.1 22.6 33.8



#18

Methyl Acetate

Concen: 1.532 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.03 min

Lab File: VF062662.D

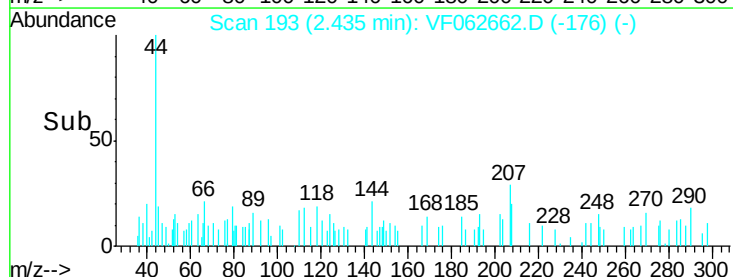
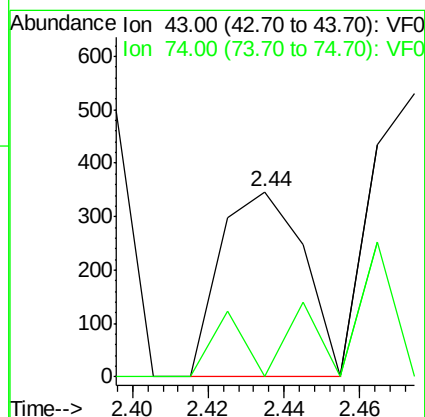
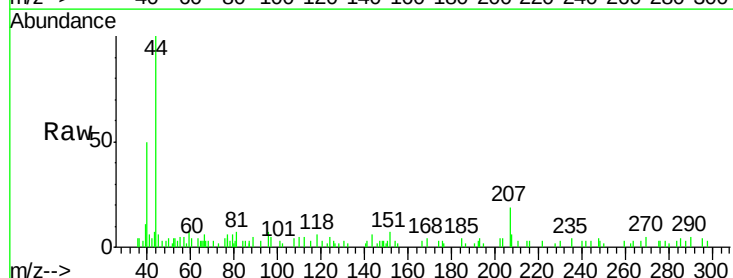
Acq: 20 May 2019 15:56

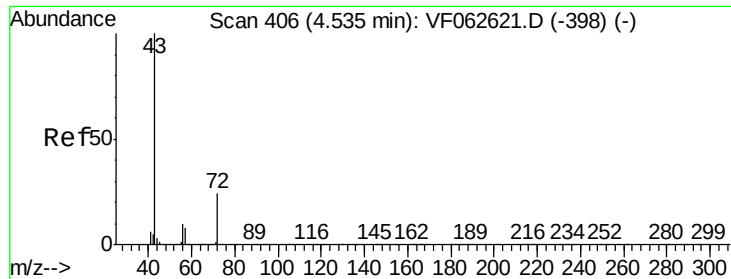
Tgt Ion: 43 Resp: 528

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#





#25

2-Butanone

Concen: 1.293 ug/l

RT: 4.55 min Scan# 408

Delta R.T. 0.02 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampled :

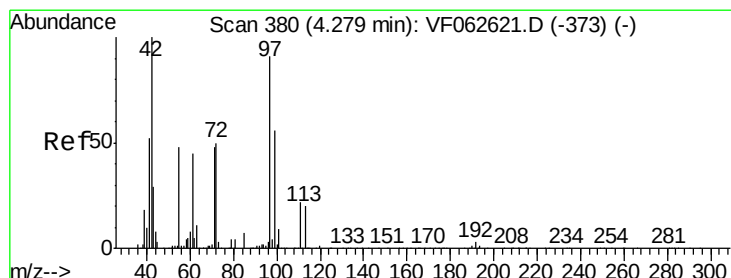
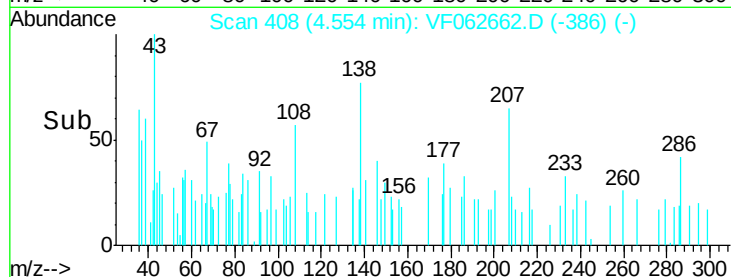
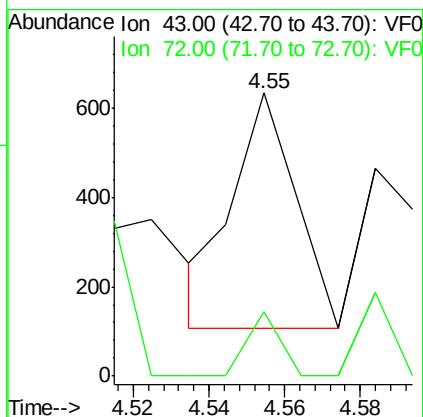
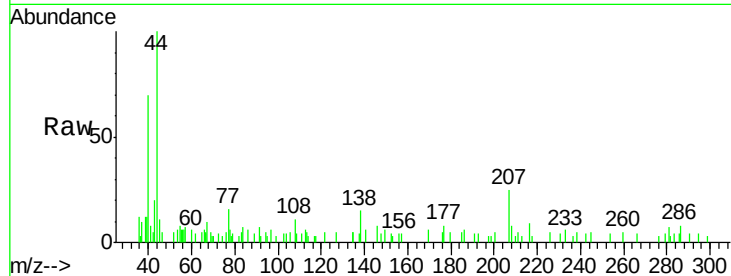
SB-06-3-4

Tot Ion: 43 Resp: 606

Ion Ratio Lower Upper

43 100

72 22.9 20.1 30.1



#29

Tetrahydrofuran

Concen: 3.170 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

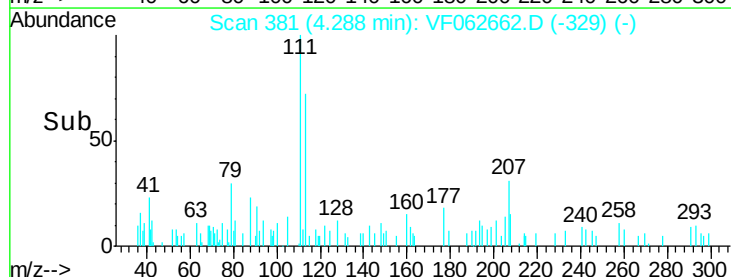
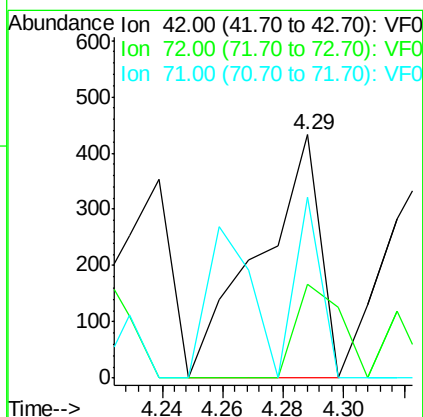
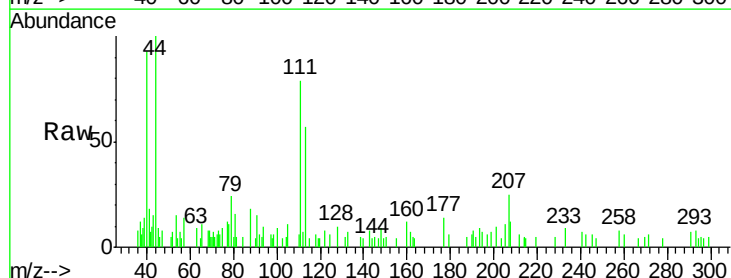
Tgt Ion: 42 Resp: 601

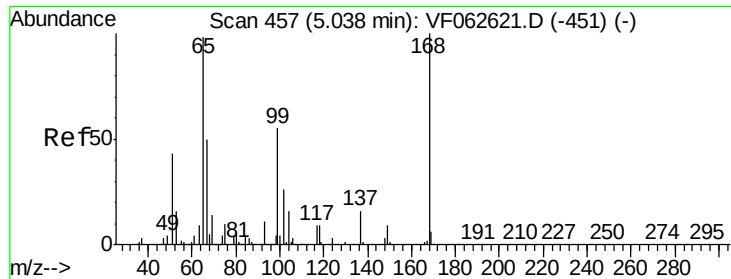
Ion Ratio Lower Upper

42 100

72 29.0 38.2 57.2#

71 0.0 35.8 53.6#

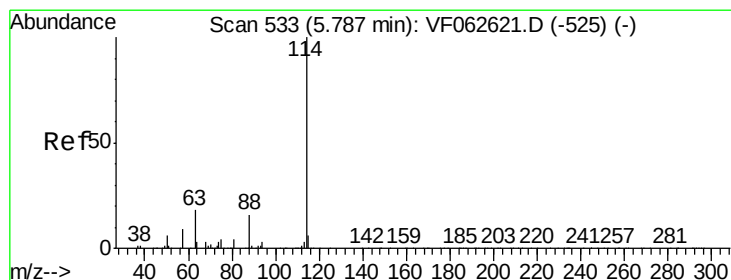
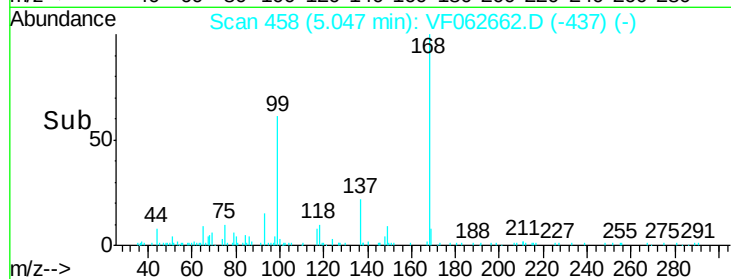
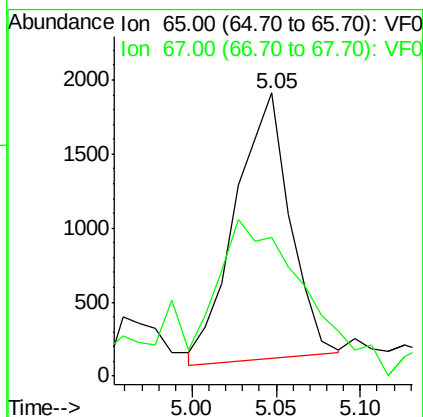
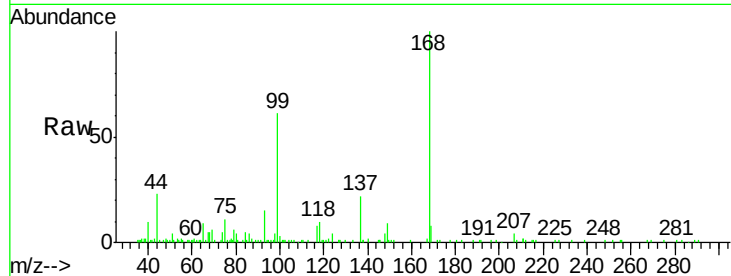




#33
 1,2-Dichloroethane-d4
 Concen: 4.778 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062662.D
 Acq: 20 May 2019 15:56

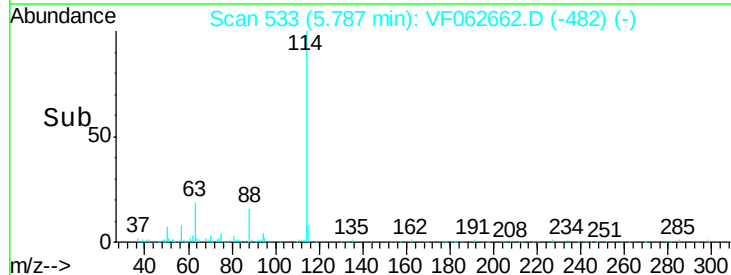
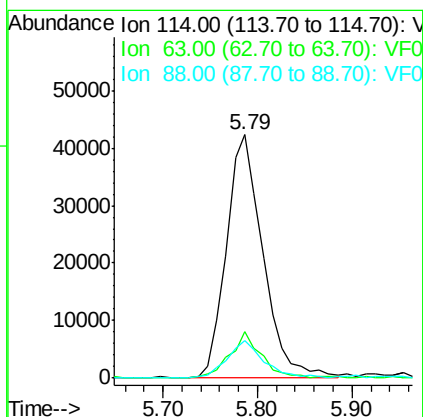
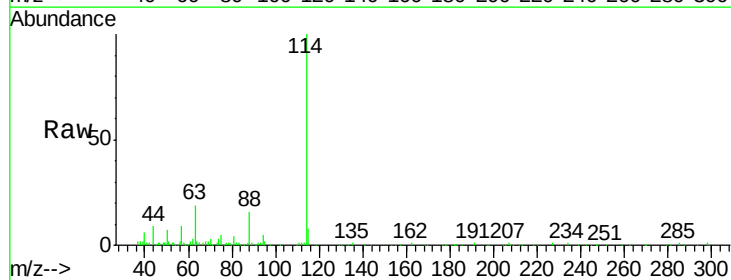
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-06-3-4

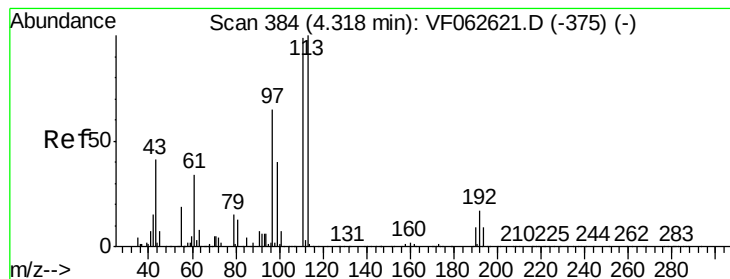
Tot Ion: 65 Resp: 4039
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062662.D
 Acq: 20 May 2019 15:56

Tgt Ion: 114 Resp: 113604
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.4
 88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 19.225 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

SB-06-3-4

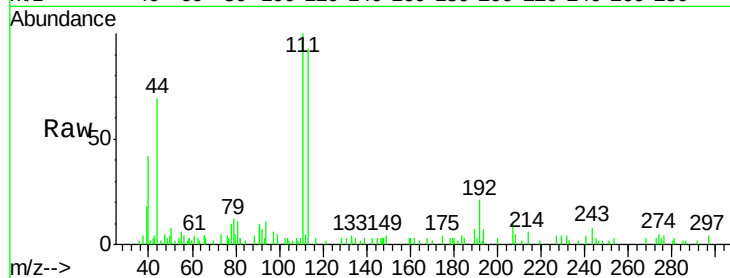
Tot Ion:113 Resp: 16712

Ion Ratio Lower Upper

113 100

111 108.0 79.4 119.2

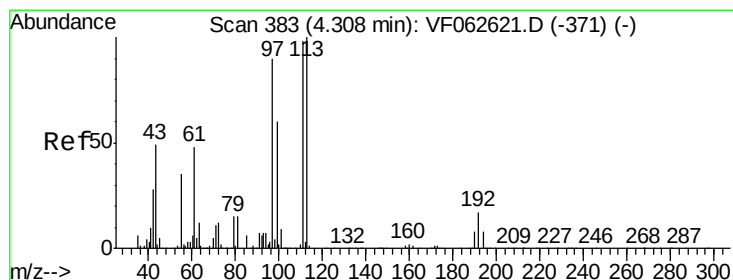
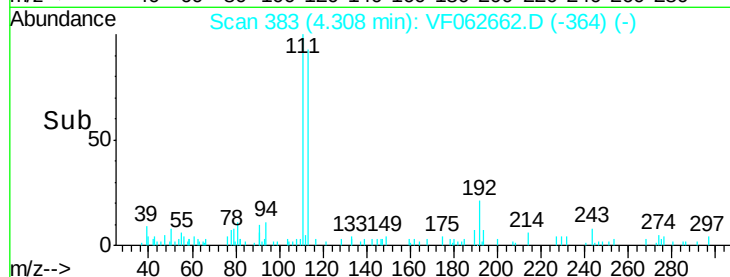
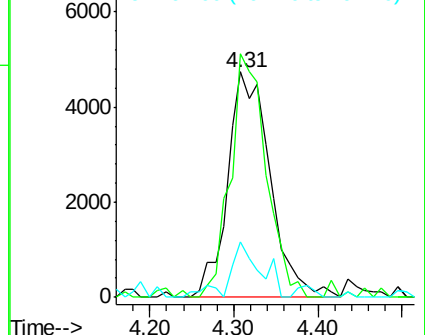
192 24.5 13.4 20.2#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#37

Ethyl Acetate

Concen: 1.037 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

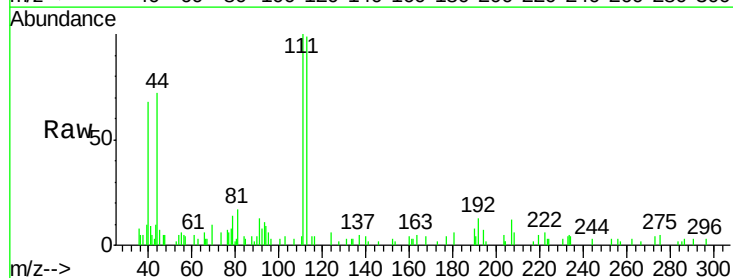
Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

61 44.1 76.9 115.3#

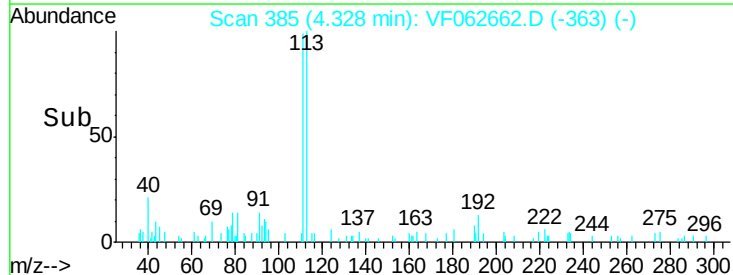
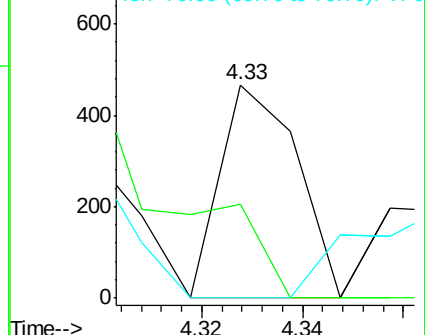
70 0.0 8.8 13.2#

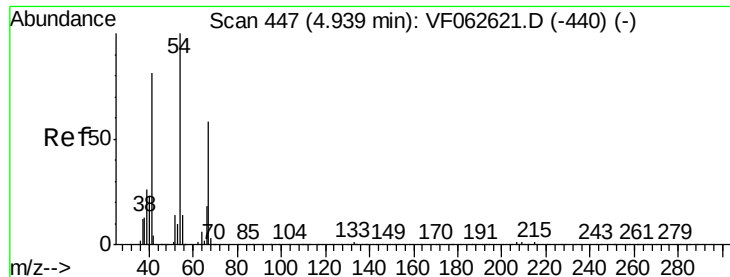


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#41

Methacrylonitrile

Concen: 5.301 ug/l

RT: 4.96 min Scan# 449

Delta R.T. 0.02 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

SB-06-3-4

Tot Ion: 41 Resp: 1321

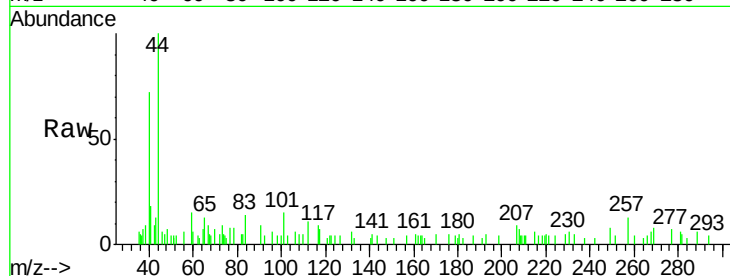
Ion Ratio Lower Upper

41 100

39 50.9 42.2 63.2

67 78.0 56.4 84.6

52 22.1 38.8 58.2#

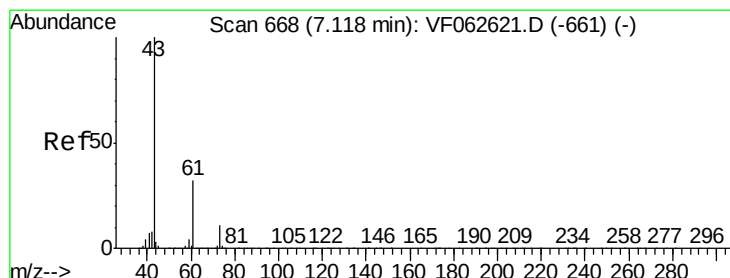
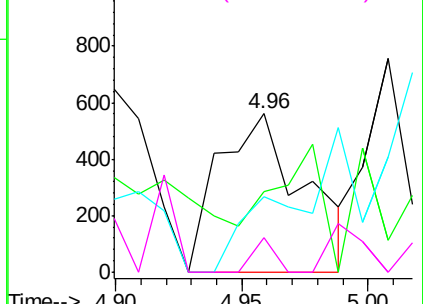
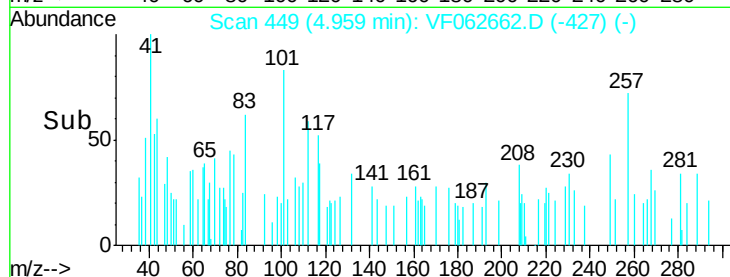


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 2.423 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.00 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

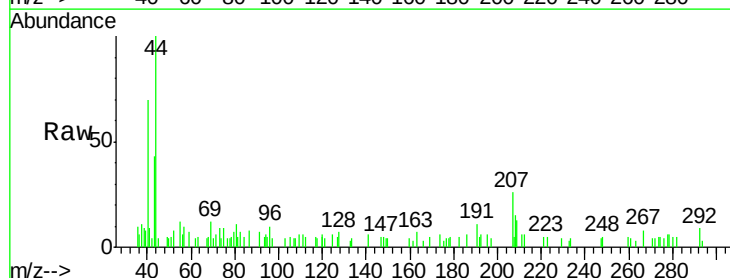
Tgt Ion: 43 Resp: 1492

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.8#

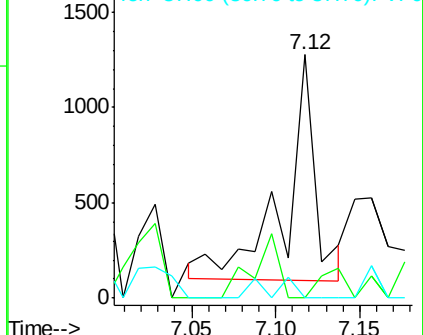
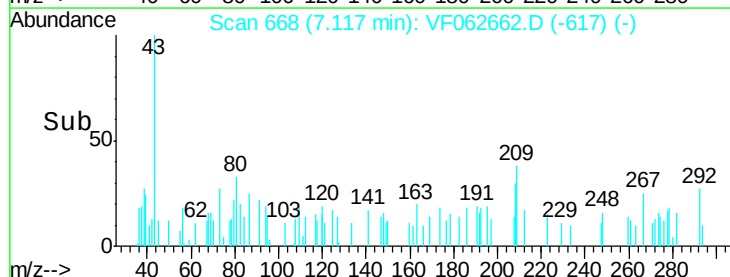
87 0.0 0.4 0.6#

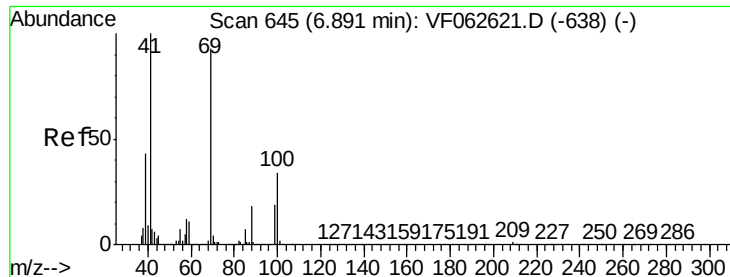


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

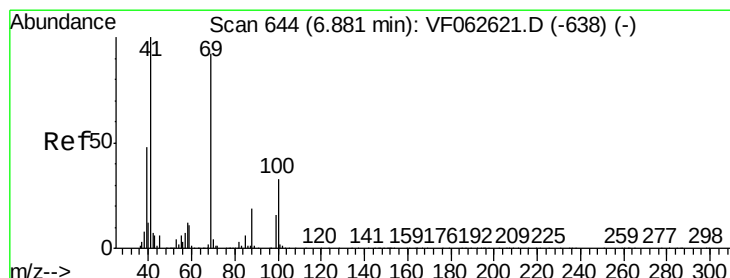
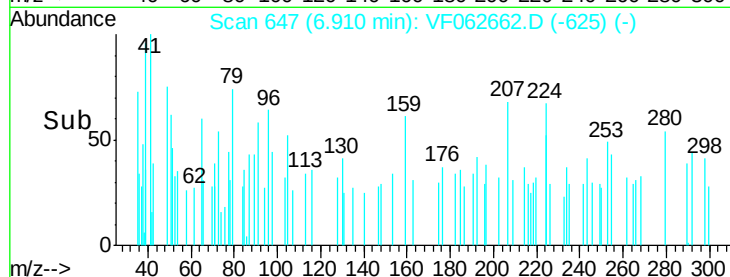
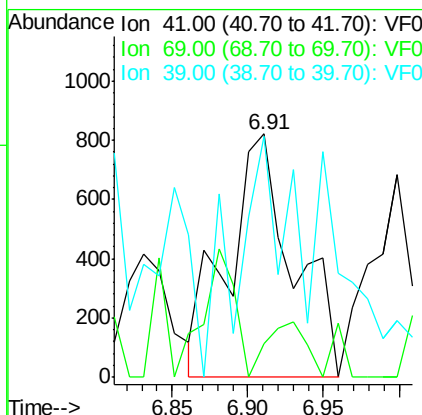
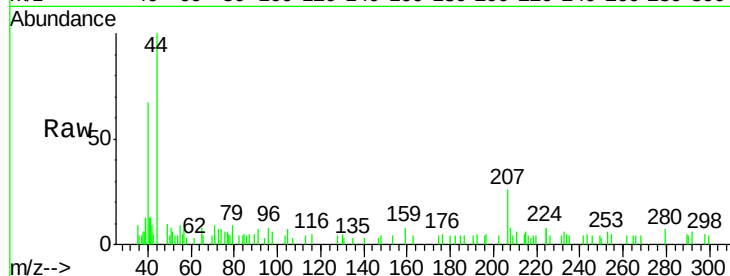




#48
Methyl methacrylate
Concen: 7.715 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.02 min
Lab File: VF062662.D
Acq: 20 May 2019 15:56

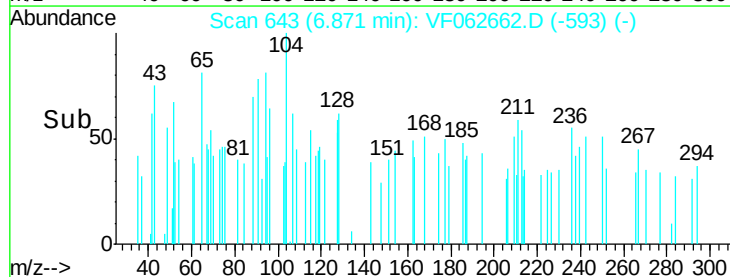
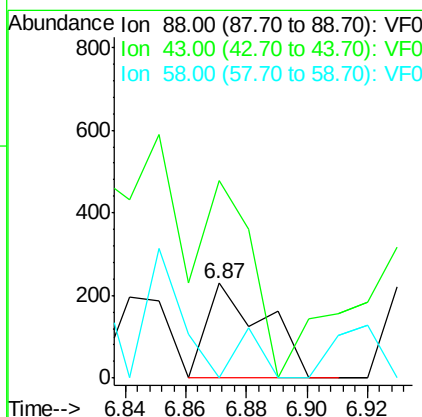
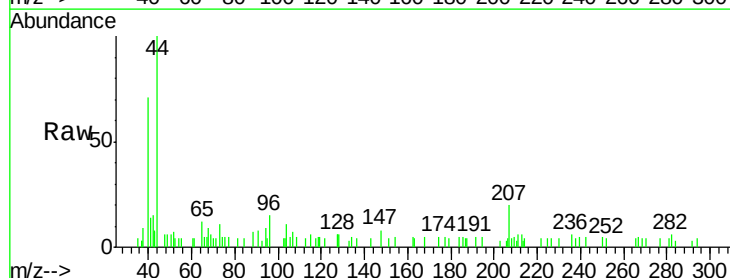
Instrument :
MSVOA_F
ClientSampleId :
SB-06-3-4

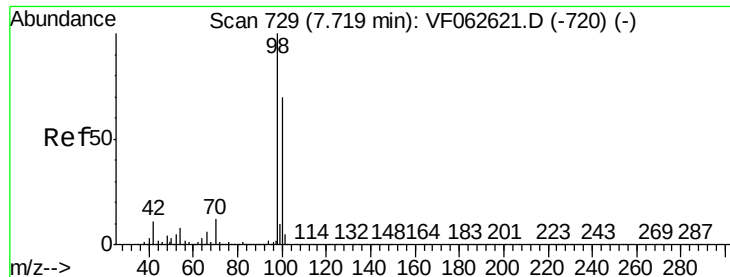
Tot Ion: 41 Resp: 2483
Ion Ratio Lower Upper
41 100
69 13.9 74.2 111.2#
39 99.0 34.2 51.4#



#49
1,4-Dioxane
Concen: 74.231 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062662.D
Acq: 20 May 2019 15:56

Tgt Ion: 88 Resp: 306
Ion Ratio Lower Upper
88 100
43 208.7 30.0 45.0#
58 0.0 51.1 76.7#





#50

Toluene-d8

Concen: 25.163 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

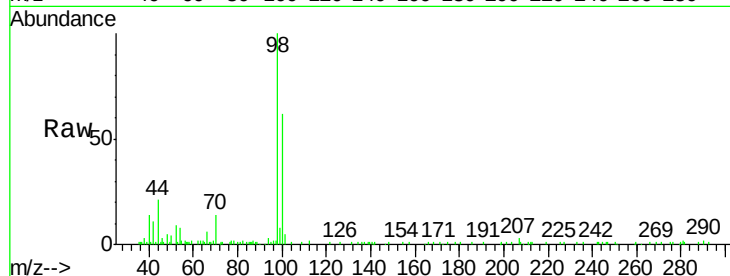
SB-06-3-4

Tot Ion: 98 Resp: 52228

Ion Ratio Lower Upper

98 100

100 62.3 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.72

25000

20000

15000

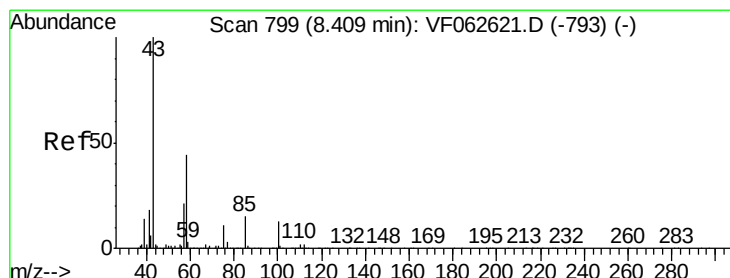
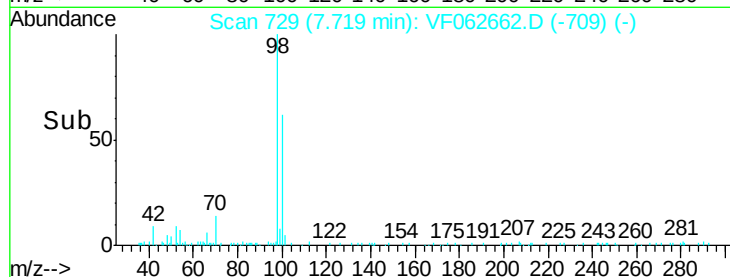
10000

5000

0

Time-->

7.60 7.70 7.80



#51

4-Methyl-2-Pentanone

Concen: 1.321 ug/l

RT: 8.47 min Scan# 805

Delta R.T. 0.06 min

Lab File: VF062662.D

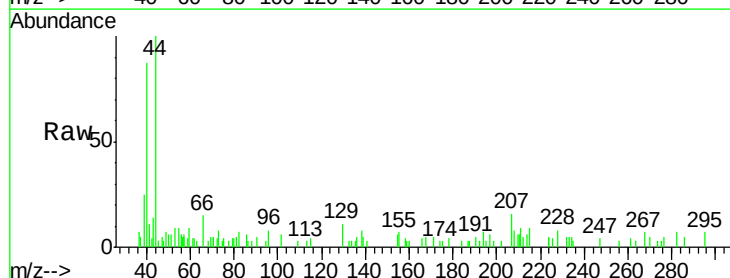
Acq: 20 May 2019 15:56

Tgt Ion: 43 Resp: 556

Ion Ratio Lower Upper

43 100

58 0.0 34.9 52.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

800

600

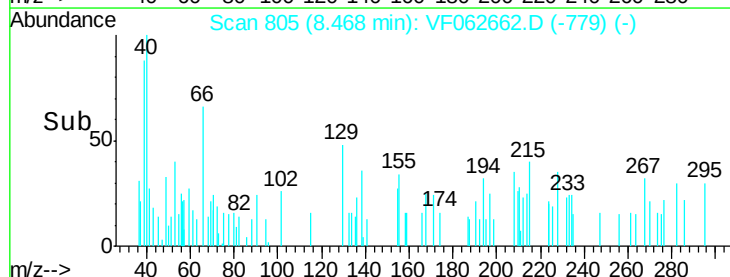
400

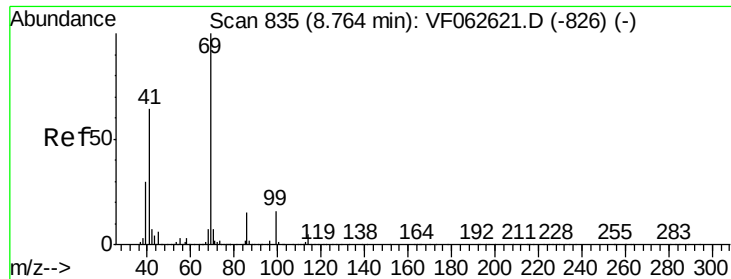
200

0

Time-->

8.42 8.44 8.46 8.48 8.50





#56

Ethyl methacrylate

Concen: 1.301 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.02 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampled :

SB-06-3-4

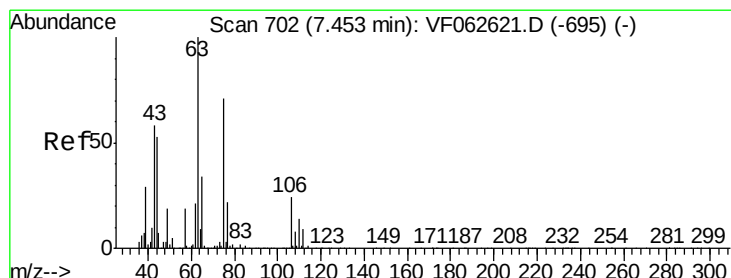
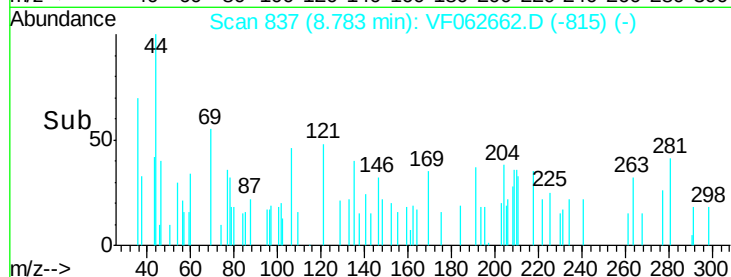
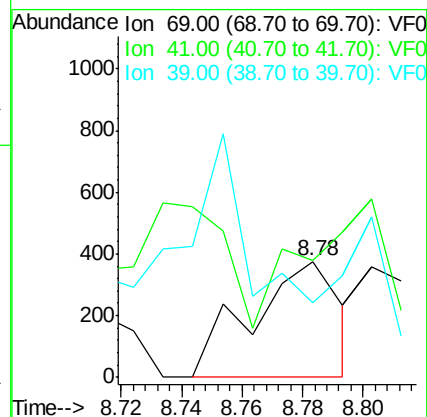
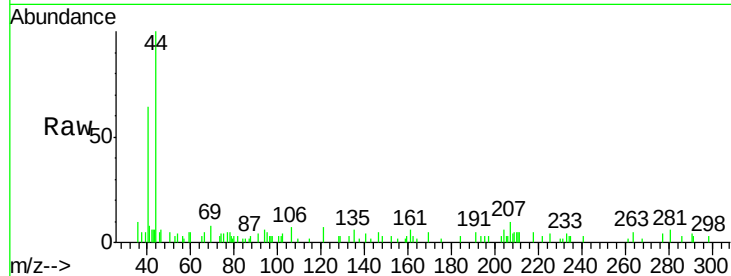
Tot Ion: 69 Resp: 763

Ion Ratio Lower Upper

69 100

41 101.1 51.4 77.2#

39 64.0 23.6 35.4#



#58

2-Chloroethyl Vinyl ether

Concen: 1.681 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062662.D

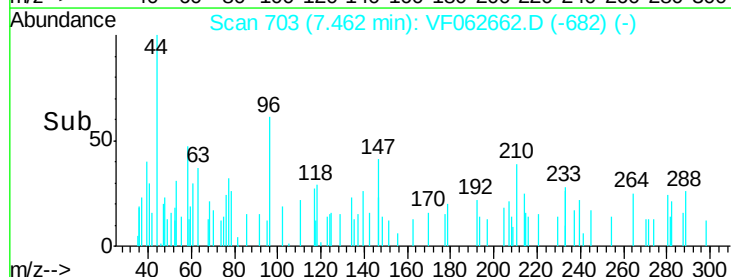
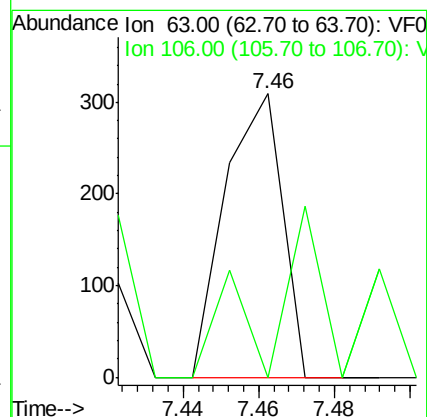
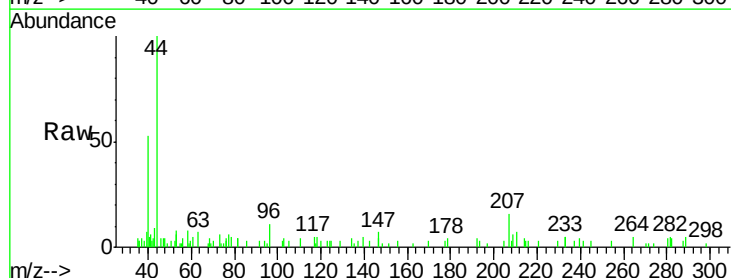
Acq: 20 May 2019 15:56

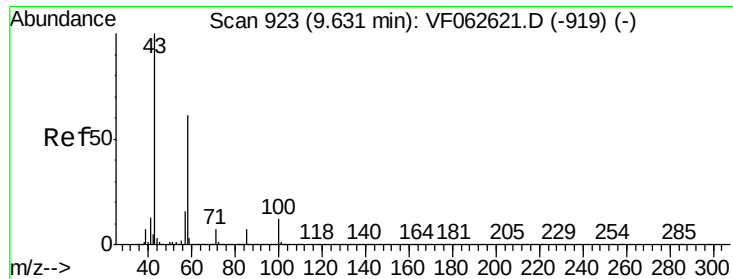
Tgt Ion: 63 Resp: 321

Ion Ratio Lower Upper

63 100

106 0.0 19.1 28.7#

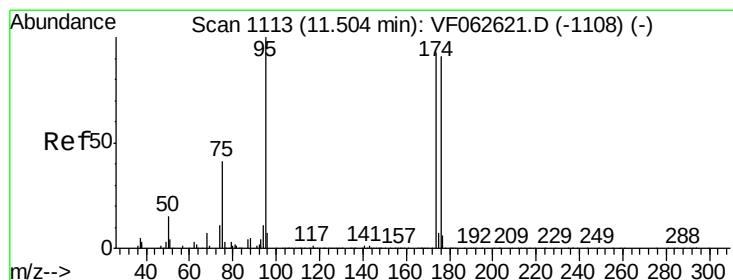
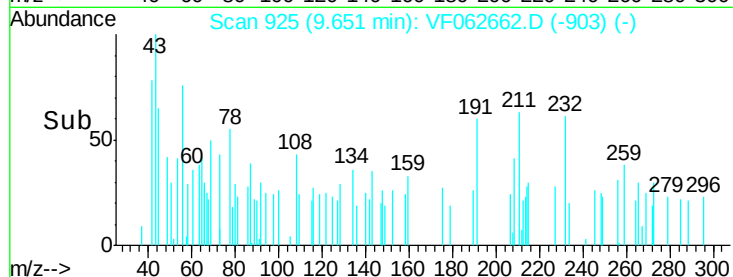
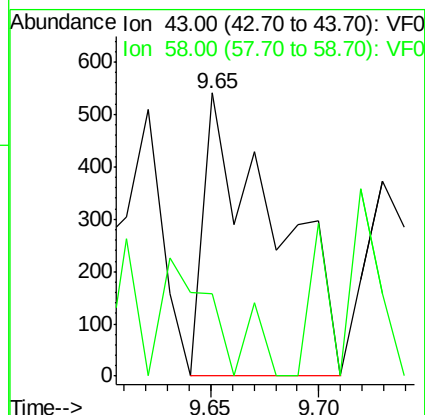
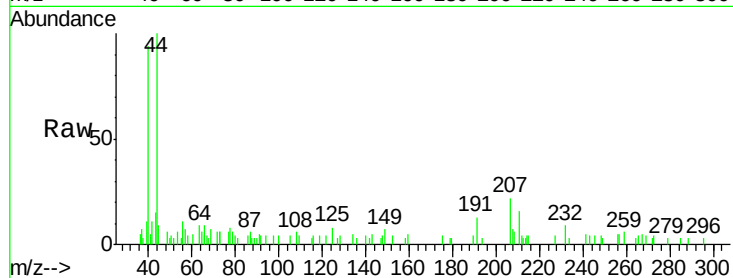




#59
2-Hexanone
Concen: Below Cal
RT: 9.65 min Scan# 925
Delta R.T. 0.02 min
Lab File: VF062662.D
Acq: 20 May 2019 15:56

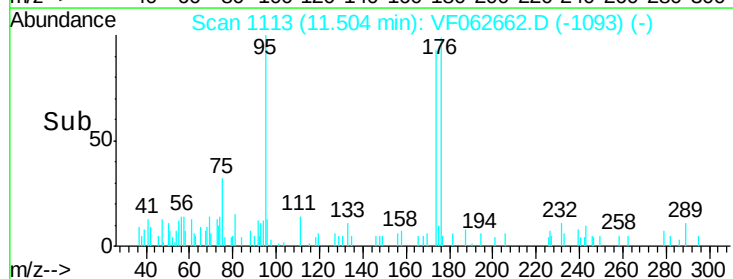
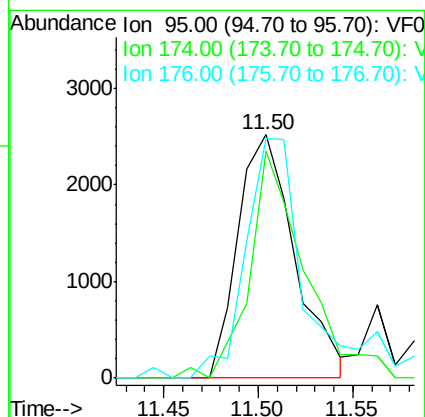
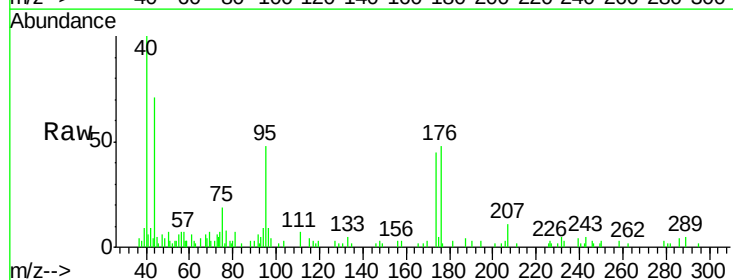
Instrument :
MSVOA_F
ClientSampleId :
SB-06-3-4

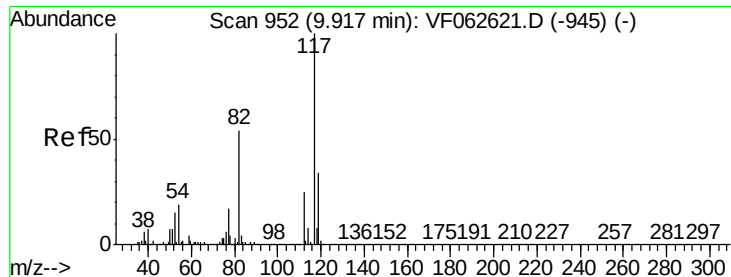
Tot Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
58 29.2 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 6.651 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062662.D
Acq: 20 May 2019 15:56

Tgt Ion: 95 Resp: 5236
Ion Ratio Lower Upper
95 100
174 93.1 0.0 185.6
176 98.5 0.0 182.4

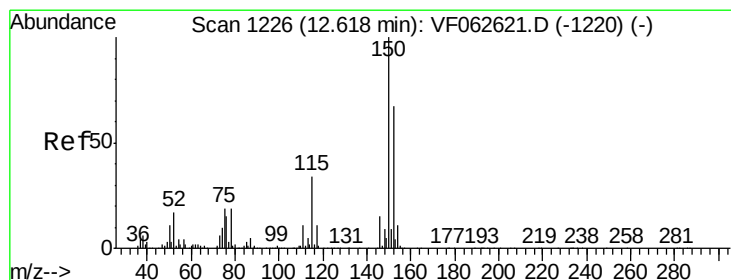
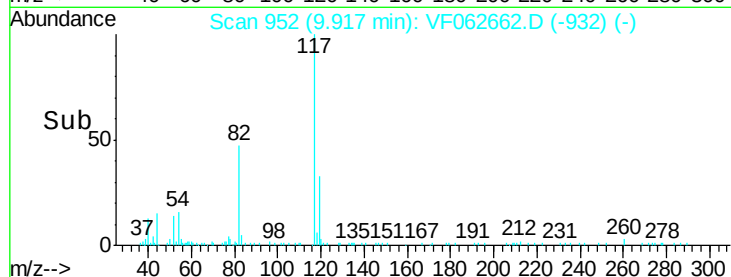
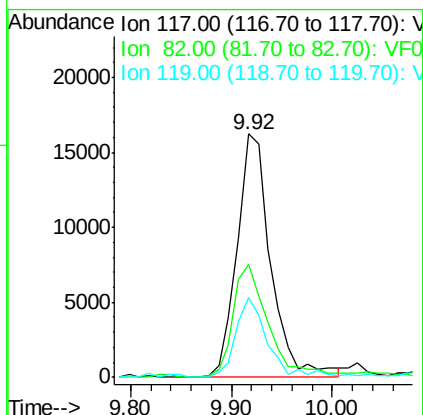
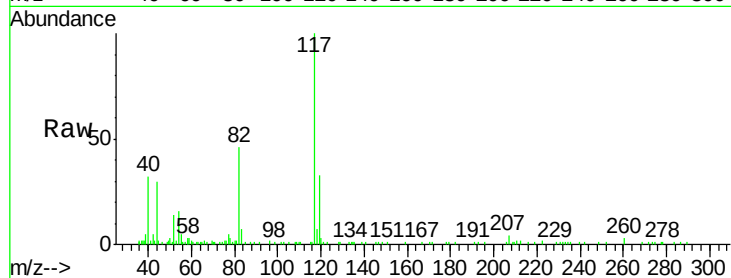




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062662.D
Acq: 20 May 2019 15:56

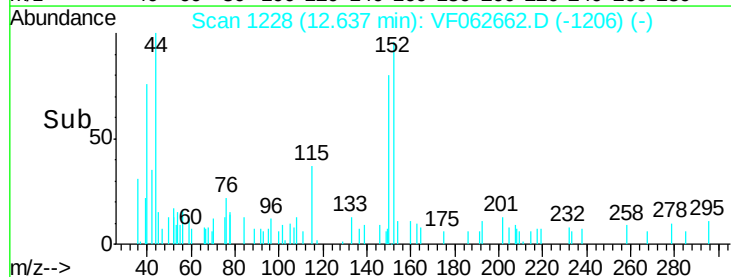
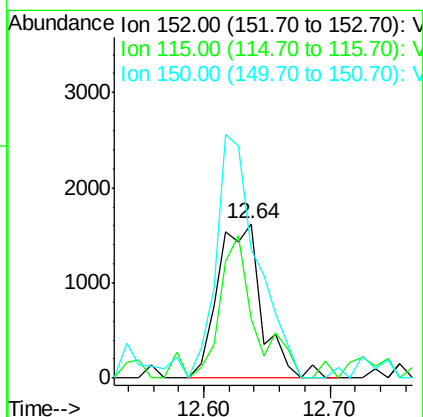
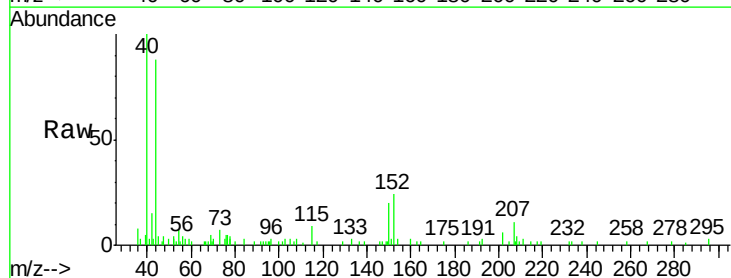
Instrument :
MSVOA_F
ClientSampled :
SB-06-3-4

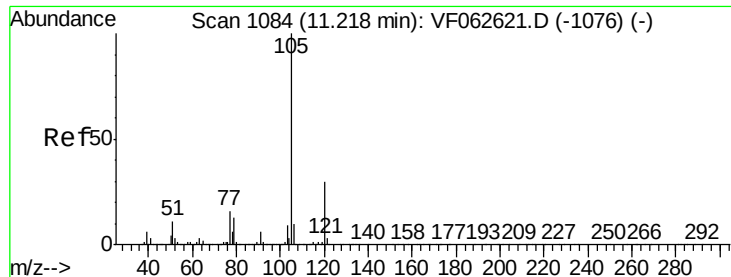
Tot Ion	Ratio	Lower	Upper
117	100		
82	46.4	43.3	64.9
119	32.6	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.02 min
Lab File: VF062662.D
Acq: 20 May 2019 15:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	38.6	25.2	75.6
150	82.9	0.0	306.2





#73

Isopropylbenzene

Concen: 1.361 ug/l

RT: 11.26 min Scan# 1088

Delta R.T. 0.04 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampled :

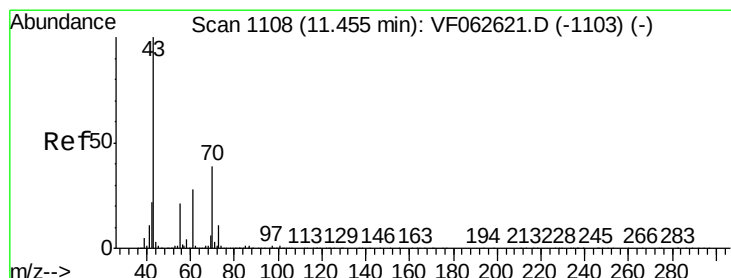
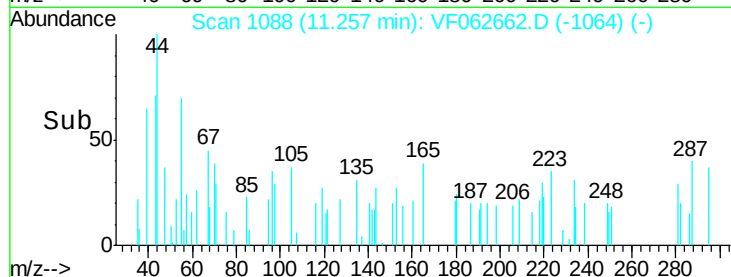
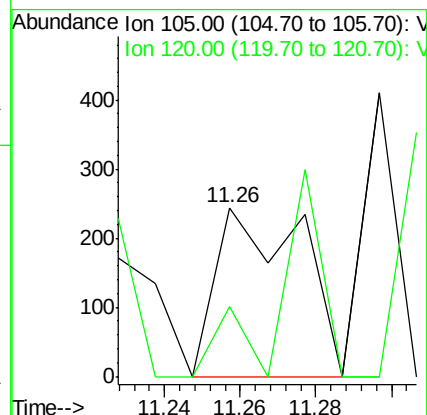
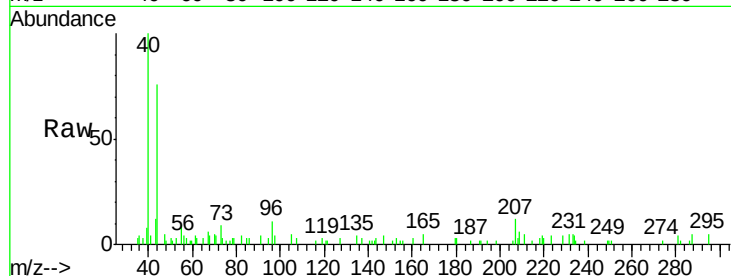
SB-06-3-4

Tot Ion:105 Resp: 380

Ion Ratio Lower Upper

105 100

120 41.4 14.8 44.4



#74

N-ethyl acetate

Concen: 23.779 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Tgt Ion: 43 Resp: 1891

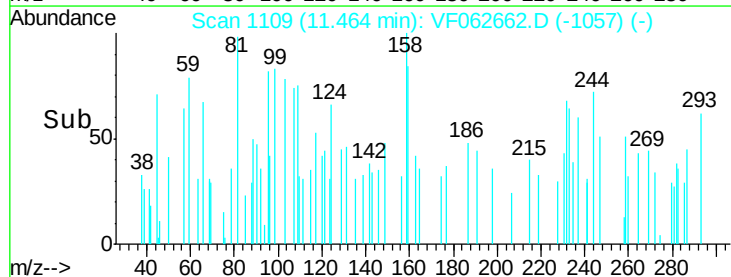
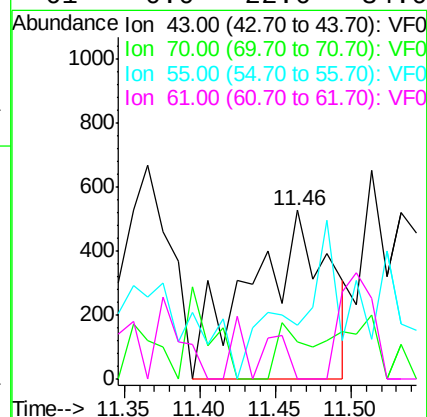
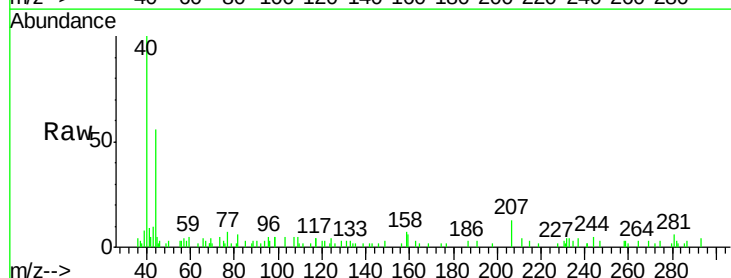
Ion Ratio Lower Upper

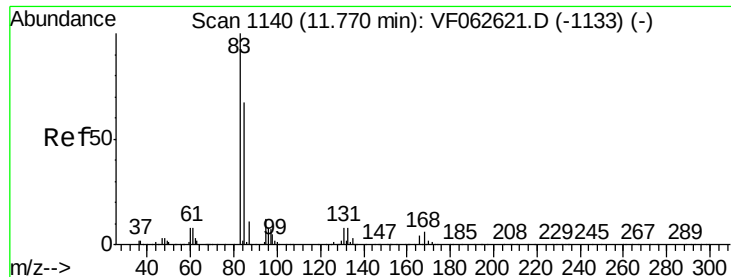
43 100

70 22.0 30.9 46.3#

55 31.7 17.0 25.4#

61 0.0 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 21.899 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. -0.04 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampled :

SB-06-3-4

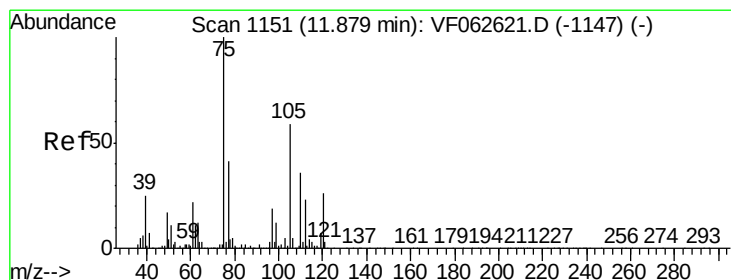
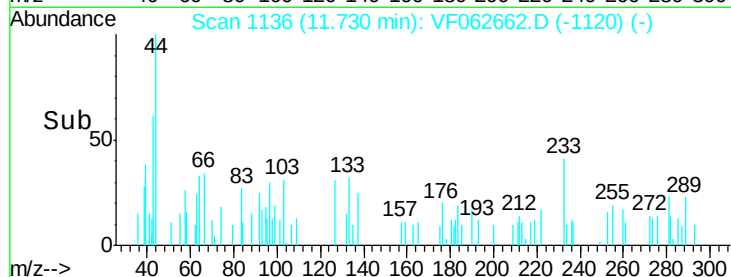
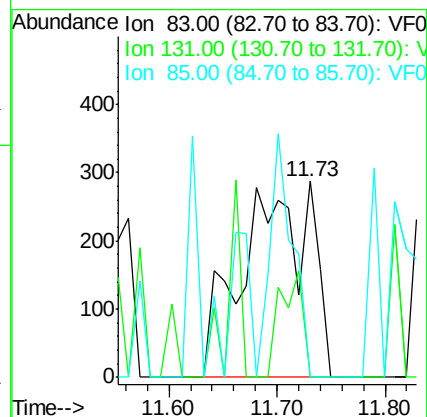
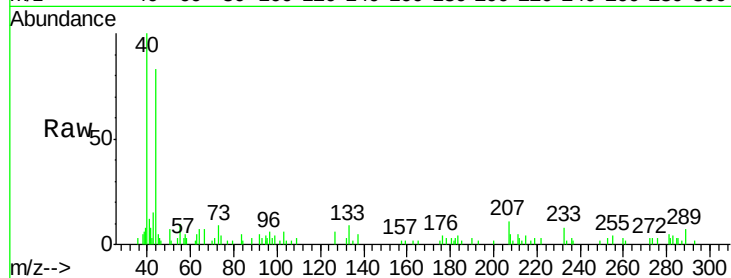
Tot Ion: 83 Resp: 1250

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 0.0 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 13.838 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.04 min

Lab File: VF062662.D

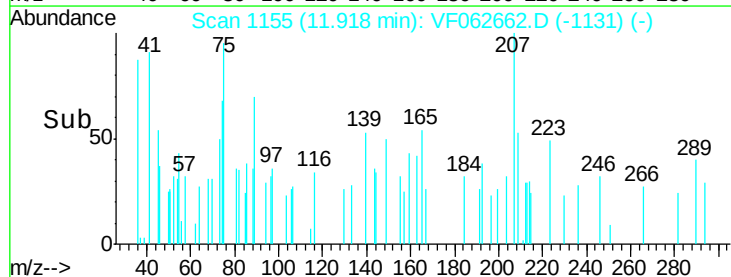
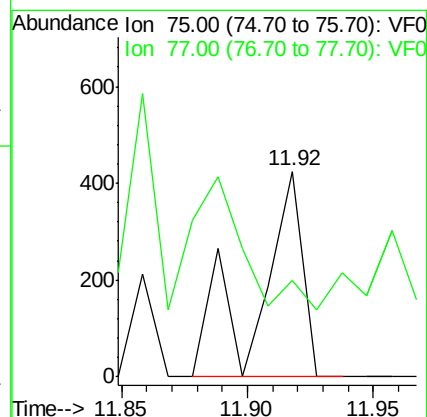
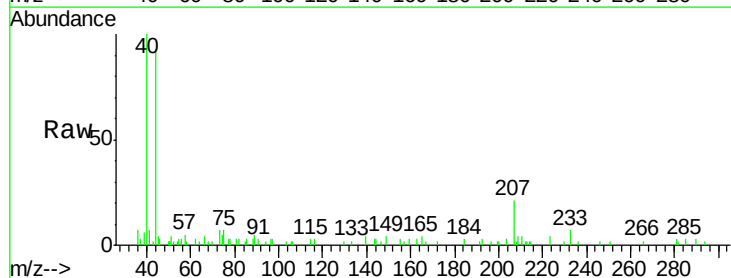
Acq: 20 May 2019 15:56

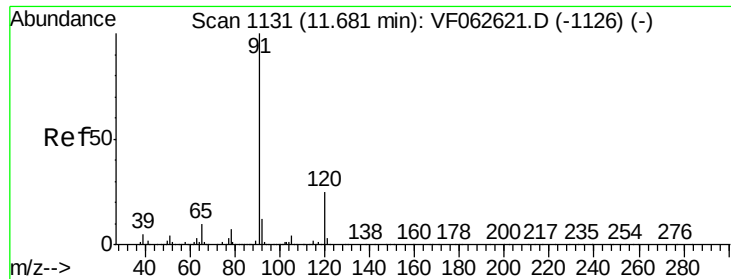
Tgt Ion: 75 Resp: 519

Ion Ratio Lower Upper

75 100

77 47.1 20.6 61.8





#78

n-propylbenzene

Concen: 2.656 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampled :

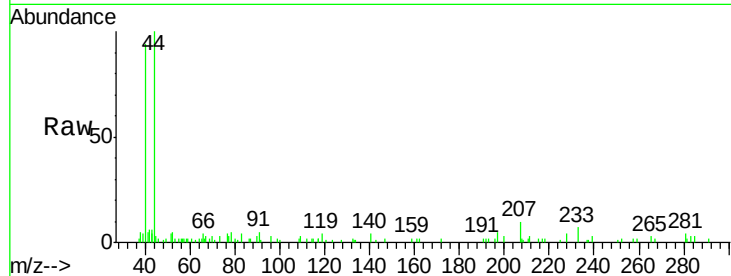
SB-06-3-4

Tot Ion: 91 Resp: 878

Ion Ratio Lower Upper

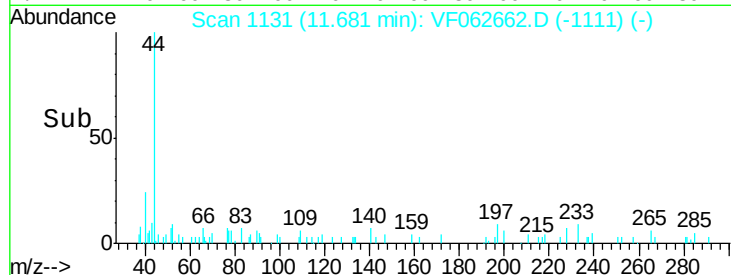
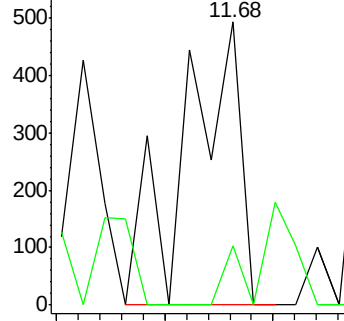
91 100

120 20.9 12.7 38.1

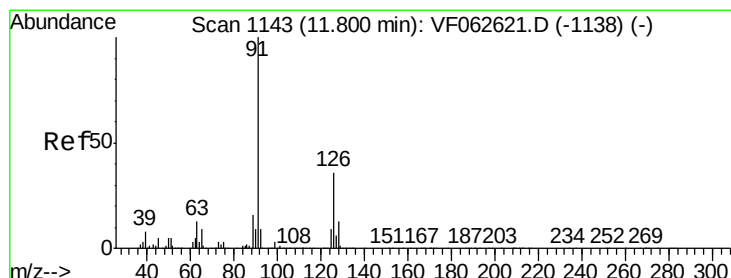


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 2.255 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. -0.06 min

Lab File: VF062662.D

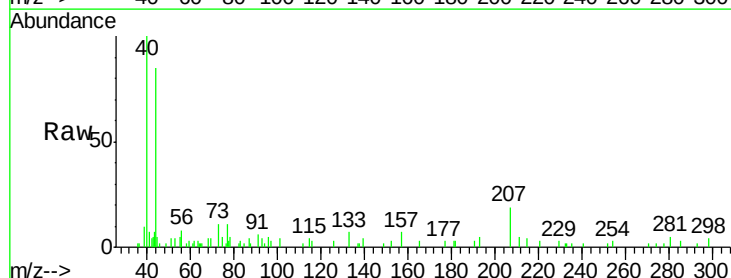
Acq: 20 May 2019 15:56

Tgt Ion: 91 Resp: 420

Ion Ratio Lower Upper

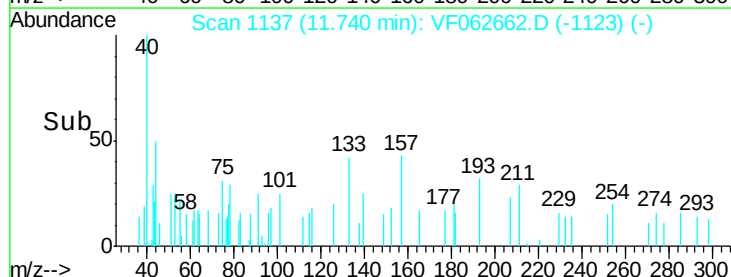
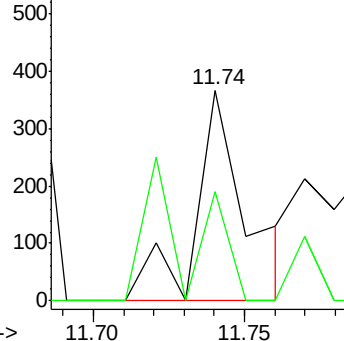
91 100

126 52.0 18.1 54.4

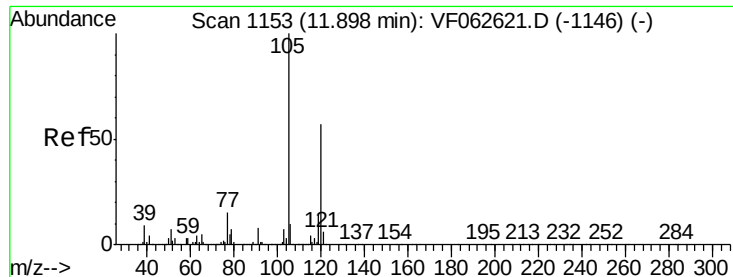


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.291 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

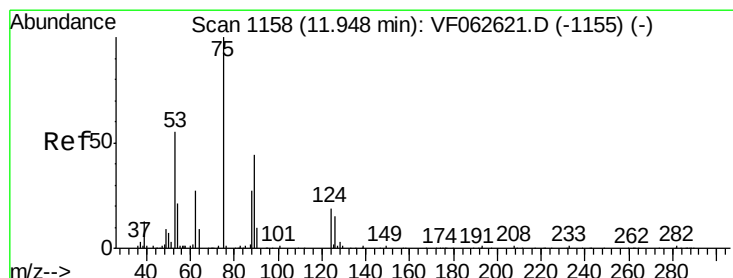
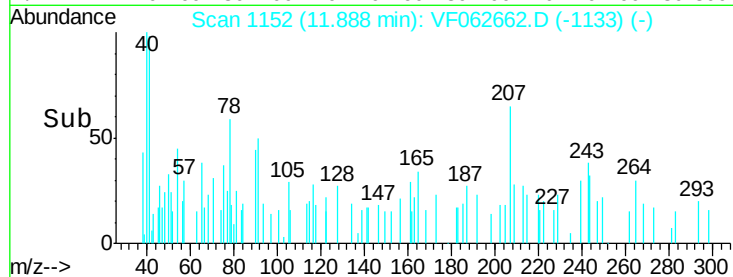
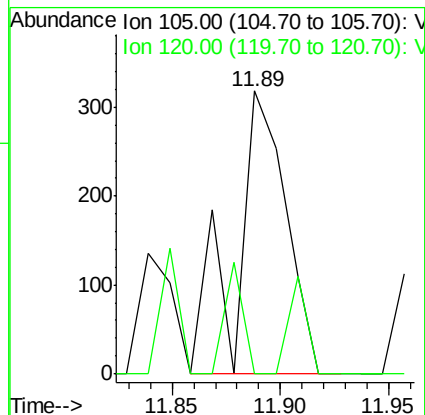
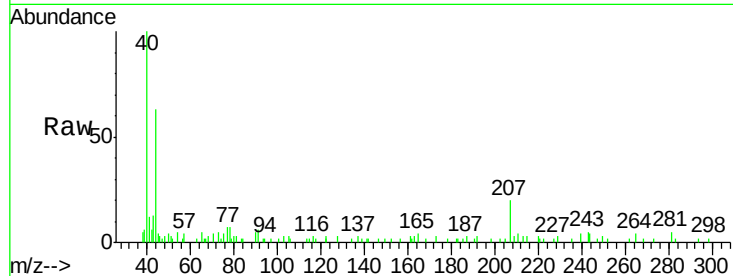
SB-06-3-4

Tot Ion:105 Resp: 513

Ion Ratio Lower Upper

105 100

120 0.0 28.7 86.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.507 ug/l

RT: 12.08 min Scan# 1171

Delta R.T. 0.13 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

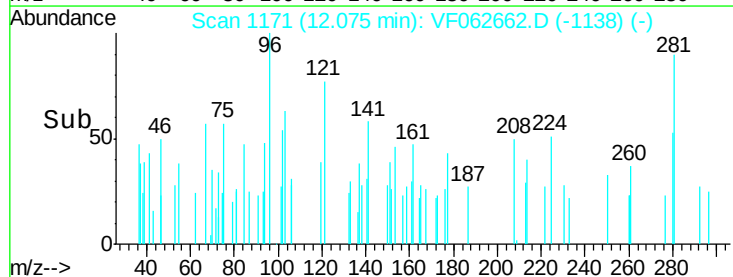
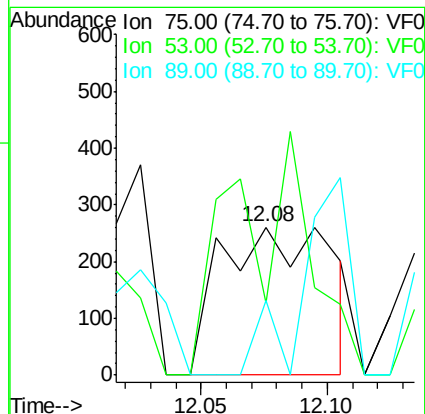
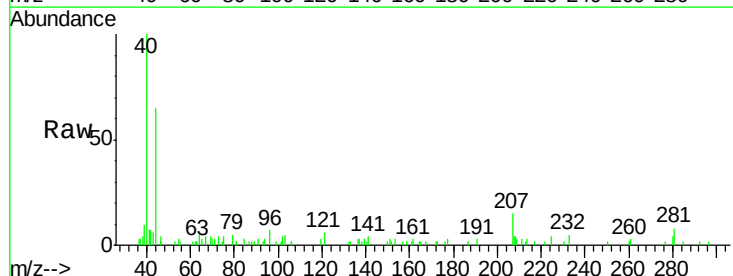
Tgt Ion: 75 Resp: 792

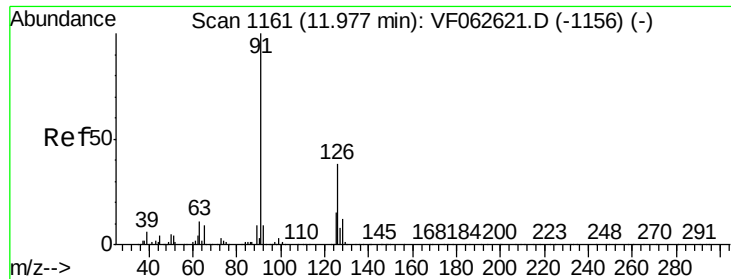
Ion Ratio Lower Upper

75 100

53 48.3 46.9 70.3

89 50.2 36.4 54.6





#82

4-Chlorotoluene

Concen: 1.579 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.02 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

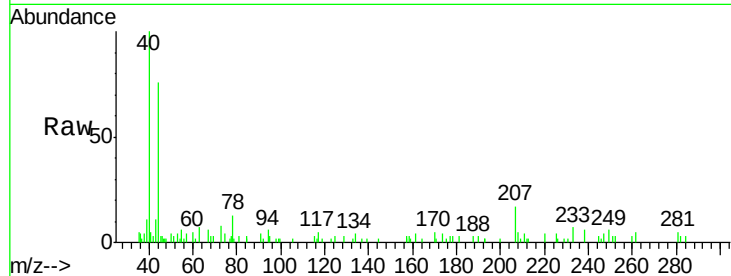
SB-06-3-4

Tot Ion: 91 Resp: 290

Ion Ratio Lower Upper

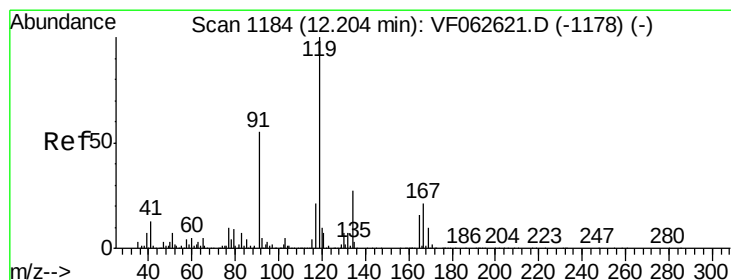
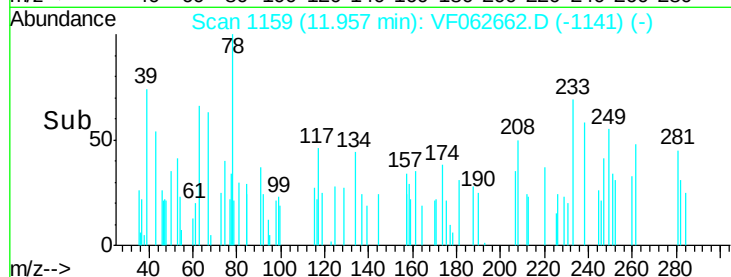
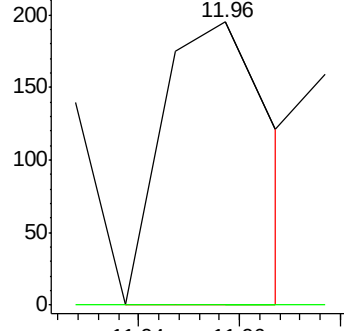
91 100

126 0.0 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#83

tert-Butylbenzene

Concen: 1.268 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

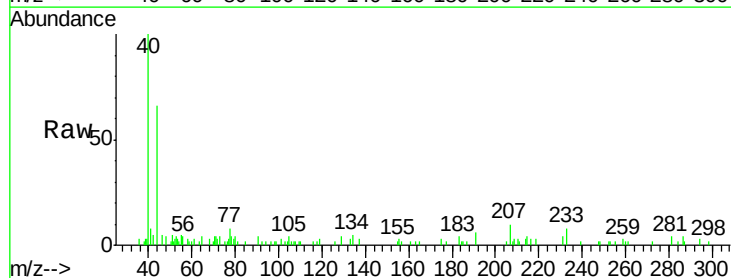
Tgt Ion: 119 Resp: 288

Ion Ratio Lower Upper

119 100

91 129.9 27.3 81.9#

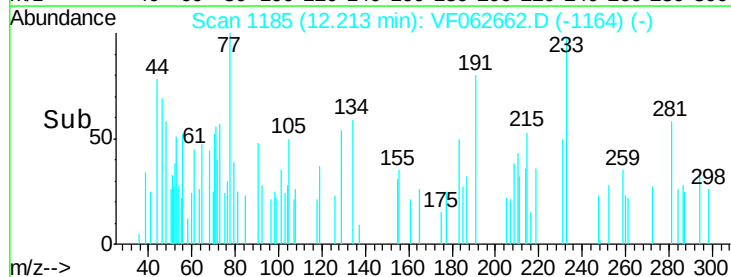
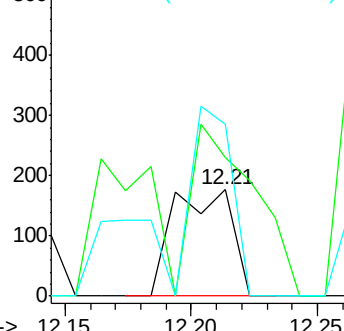
134 161.6 13.6 40.7#

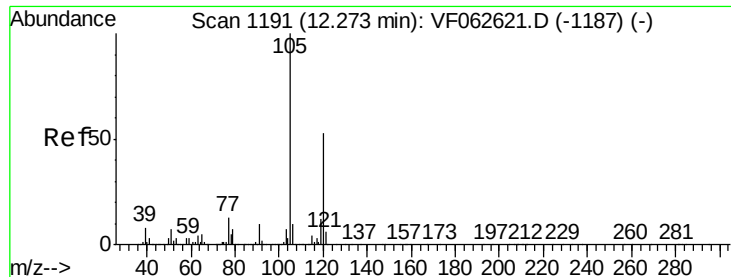


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V

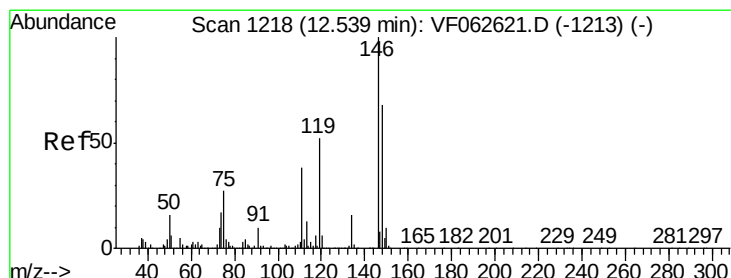
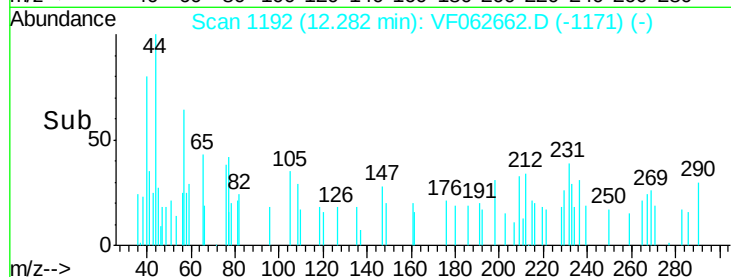
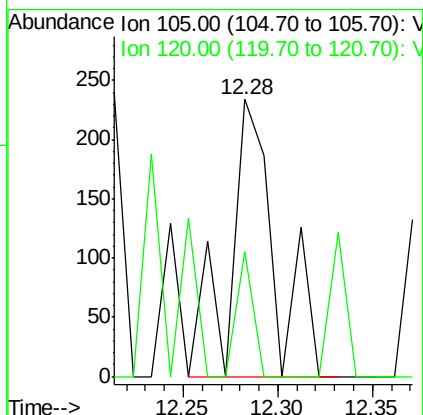
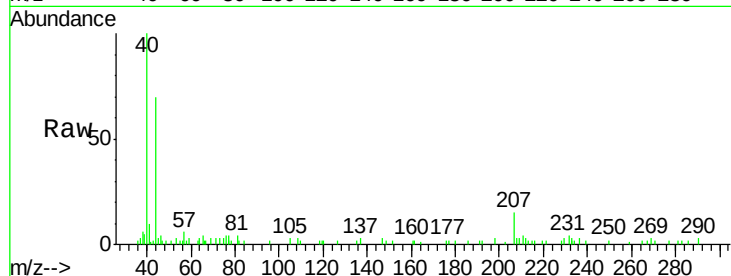




#84
 1,2,4-Trimethylbenzene
 Concen: 1.799 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF062662.D
 Acq: 20 May 2019 15:56

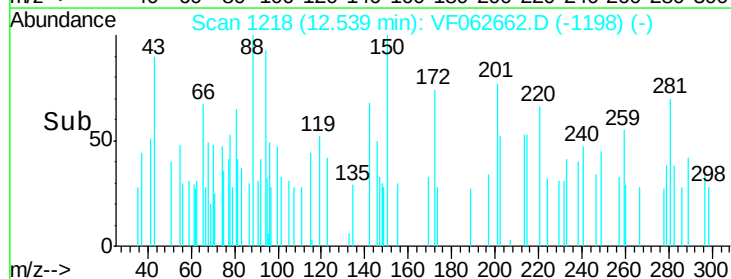
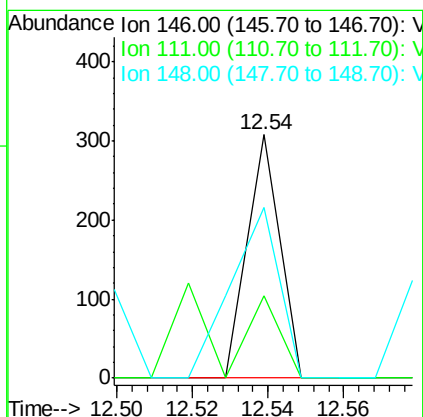
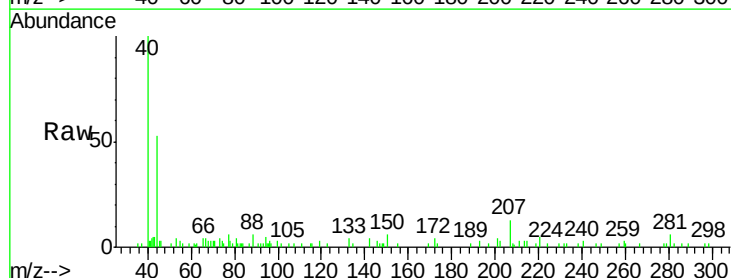
Instrument :
 MSVOA_F
 ClientSampled :
 SB-06-3-4

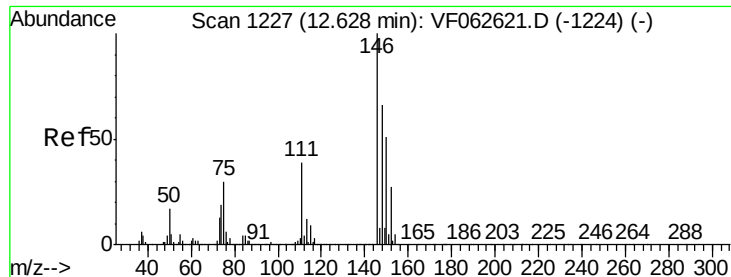
Tot Ion:105 Resp: 390
 Ion Ratio Lower Upper
 105 100
 120 44.9 26.7 80.1



#87
 1,3-Dichlorobenzene
 Concen: 1.449 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062662.D
 Acq: 20 May 2019 15:56

Tgt Ion:146 Resp: 182
 Ion Ratio Lower Upper
 146 100
 111 33.8 18.9 56.9
 148 70.1 34.0 101.8





#88

1,4-Dichlorobenzene

Concen: 1.544 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.09 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

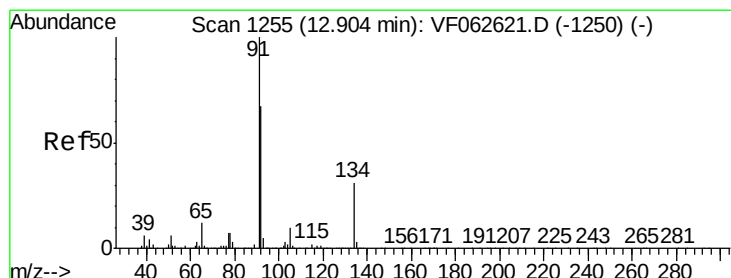
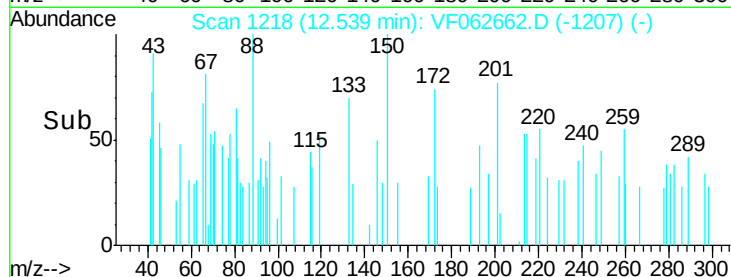
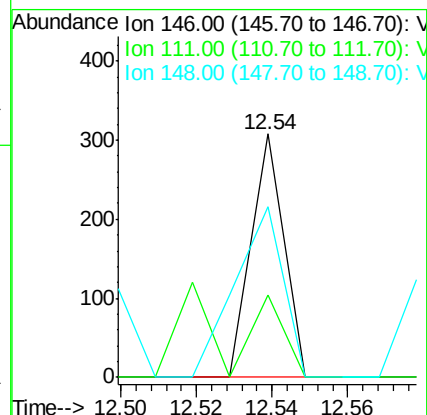
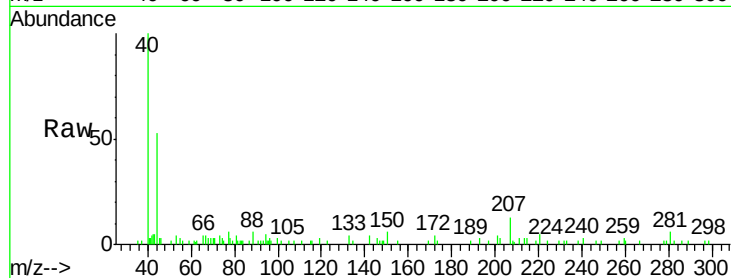
Instrument :

MSVOA_F

ClientSampled :

SB-06-3-4

Tot Ion:	146	Resp:	182
Ion	Ratio	Lower	Upper
146	100		
111	33.8	19.4	58.2
148	70.1	33.2	99.6



#89

n-Butylbenzene

Concen: 1.220 ug/l

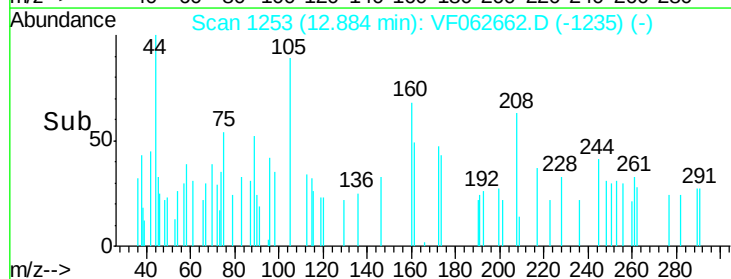
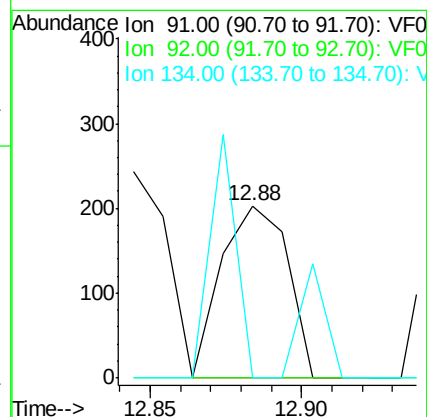
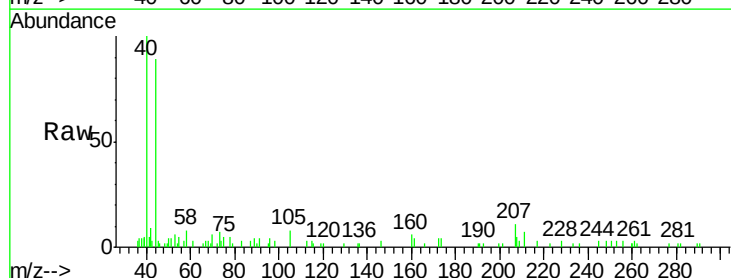
RT: 12.88 min Scan# 1253

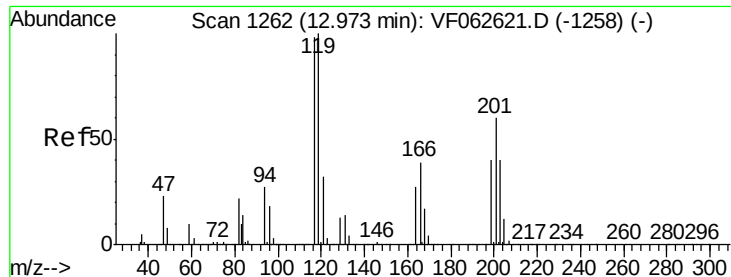
Delta R.T. -0.02 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Tgt Ion:	91	Resp:	309
Ion	Ratio	Lower	Upper
91	100		
92	0.0	33.3	99.8#
134	0.0	15.4	46.4#





#90

Hexachloroethane

Concen: 9.165 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.06 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

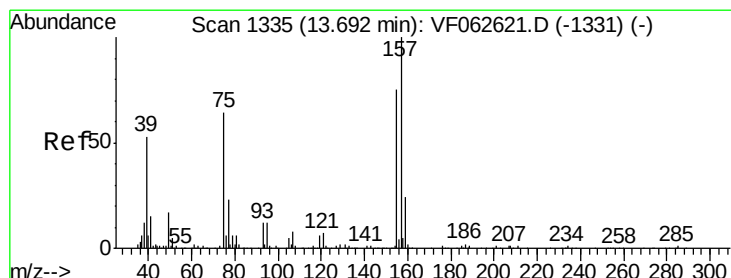
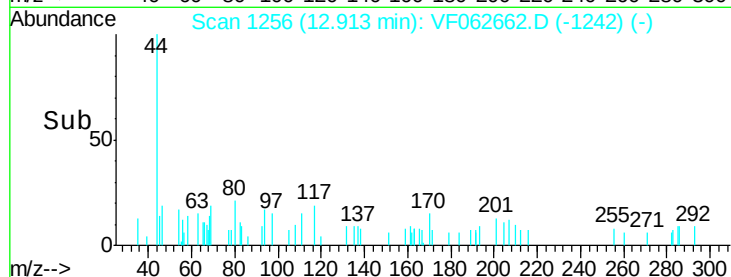
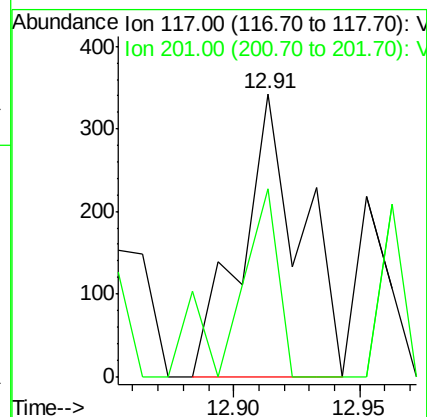
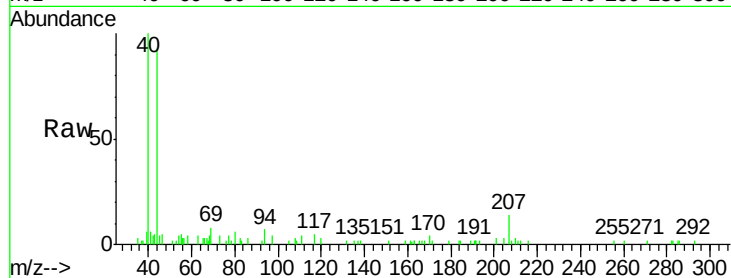
SB-06-3-4

Tot Ion:117 Resp: 565

Ion Ratio Lower Upper

117 100

201 66.5 30.7 92.1



#92

1,2-Dibromo-3-Chloropropane

Concen: 28.490 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062662.D

Acq: 20 May 2019 15:56

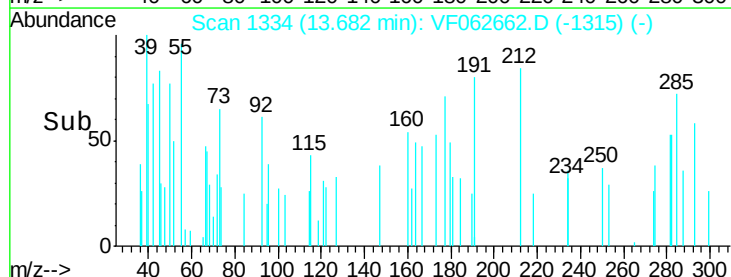
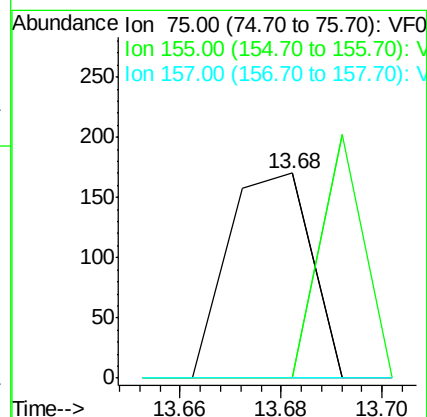
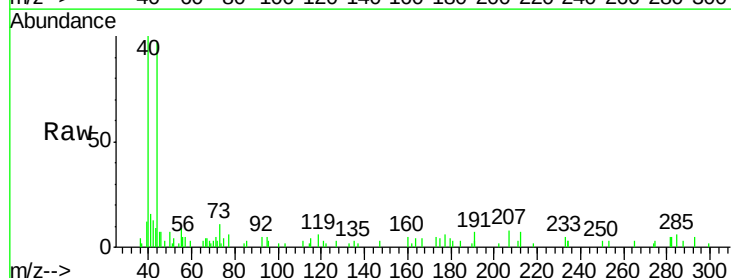
Tgt Ion: 75 Resp: 194

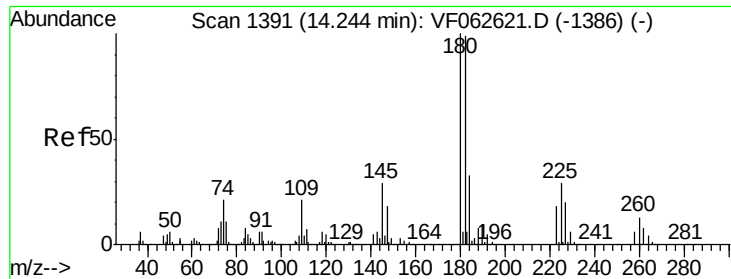
Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 0.0 77.8 233.4#

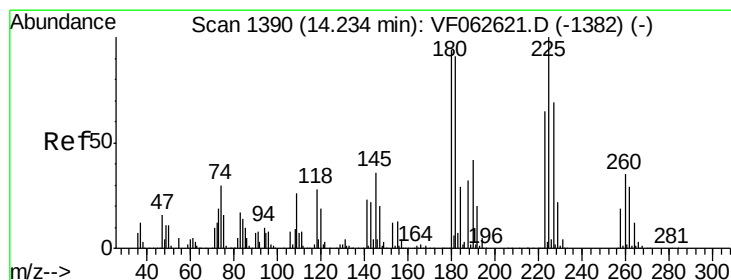
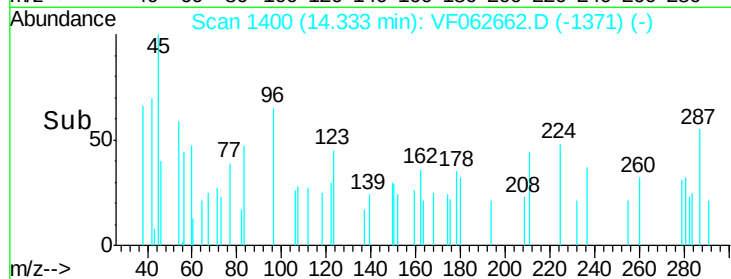
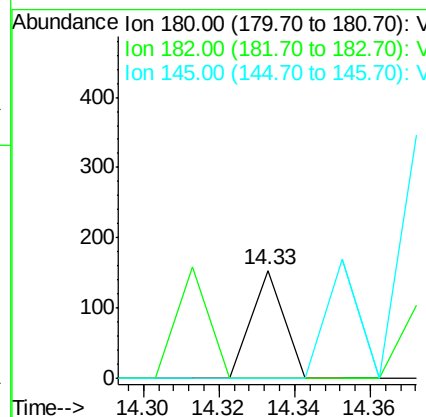
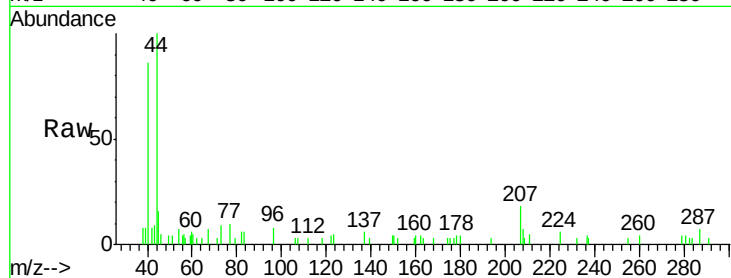




#93
 1,2,4-Trichlorobenzene
 Concen: 1.123 ug/l
 RT: 14.33 min Scan# 1400
 Delta R.T. 0.09 min
 Lab File: VF062662.D
 Acq: 20 May 2019 15:56

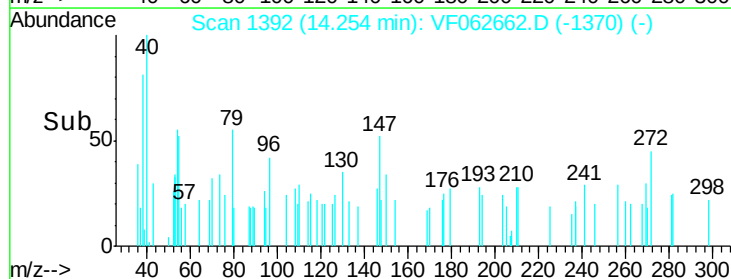
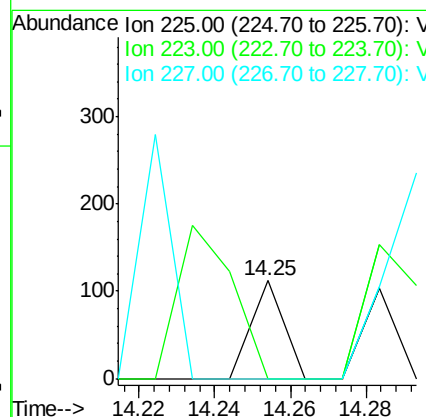
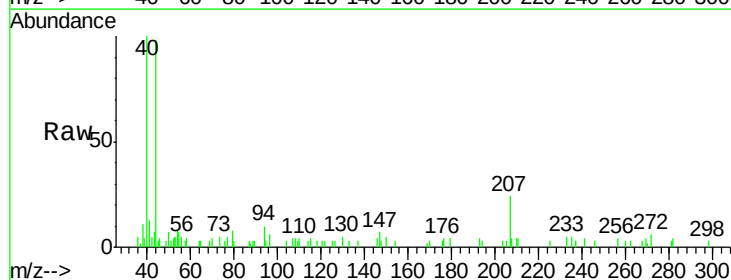
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-06-3-4

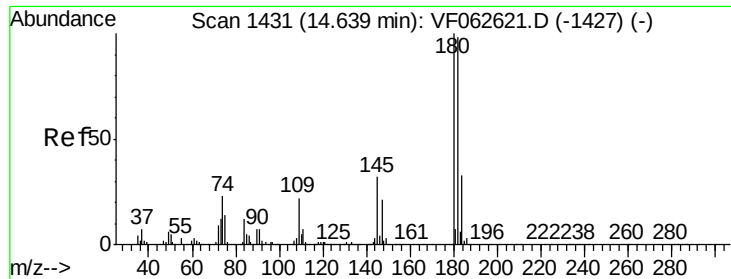
Tot Ion:180 Resp: 90
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 0.0 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 1.180 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.02 min
 Lab File: VF062662.D
 Acq: 20 May 2019 15:56

Tgt Ion:225 Resp: 66
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 0.0 34.5 103.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.516 ug/l
 RT: 14.63 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VF062662.D
 Acq: 20 May 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-06-3-4

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.9	146.7#
145	0.0	16.1	48.2#

