

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061039.D
 Acq On : 17 Dec 2018 14:16
 Operator : VA/AP
 Sample : J6429-01RE
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 18 03:07:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	7889	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.62	114	11242	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	8668	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	3137	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	2189	23.55	ug/l	-0.02
Spiked Amount			Recovery	=	47.10%	
35) Dibromofluoromethane	4.13	113	3324	37.27	ug/l	-0.02
Spiked Amount			Recovery	=	74.54%	
50) Toluene-d8	7.57	98	10718	40.80	ug/l	-0.03
Spiked Amount			Recovery	=	81.60%	
62) 4-Bromofluorobenzene	11.43	95	3585	30.03	ug/l	0.00
Spiked Amount			Recovery	=	60.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	141	1.837	ug/l #	41
5) Bromomethane	1.18	94	357	7.071	ug/l	100
6) Chloroethane	1.34	64	77	2.488	ug/l #	1
8) Diethyl Ether	1.60	74	77	3.486	ug/l	60
11) Tert butyl alcohol	2.58	59	67	17.587	ug/l #	1
12) 1,1-Dichloroethene	1.77	96	105	1.681	ug/l #	1
13) Acrolein	2.03	56	704	195.041	ug/l	100
14) Allyl chloride	2.12	41	356	4.572	ug/l #	72
15) Acrylonitrile	2.96	53	521	61.001	ug/l #	35
16) Acetone	2.28	43	473	27.600	ug/l	99
18) Methyl Acetate	2.19	43	297	8.975	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	169	1.201	ug/l #	58
20) Methylene Chloride	2.22	84	331	5.265	ug/l #	15
21) trans-1,2-Dichloroethene	2.39	96	140	2.325	ug/l #	1
22) Diisopropyl ether	2.81	45	724	3.416	ug/l #	39
23) Vinyl Acetate	3.20	43	1277	13.182	ug/l #	80
25) 2-Butanone	4.35	43	674	22.738	ug/l #	57
28) Bromochloromethane	3.73	49	76	1.256	ug/l #	11
29) Tetrahydrofuran	4.08	42	71	5.651	ug/l #	37
37) Ethyl Acetate	4.11	43	392	7.736	ug/l #	14
39) Methylcyclohexane	5.61	83	137	1.048	ug/l #	67
41) Methacrylonitrile	4.77	41	350	10.257	ug/l #	43
48) Methyl methacrylate	6.77	41	92	2.006	ug/l #	1
51) 4-Methyl-2-Pentanone	8.27	43	763	16.329	ug/l #	38
58) 2-Chloroethyl Vinyl ether	7.43	63	99	15.453	ug/l #	46
59) 2-Hexanone	9.50	43	282	8.602	ug/l #	27
74) N-amyl acetate	11.41	43	710	12.403	ug/l #	41
76) 1,2,3-Trichloropropane	11.78	75	144	4.856	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.84	105	235	1.168	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.78	75	144	9.910	ug/l #	16
84) 1,2,4-Trimethylbenzene	12.22	105	938	4.670	ug/l	99
89) n-Butylbenzene	12.85	91	266	1.118	ug/l #	80
90) Hexachloroethane	12.93	117	61	1.077	ug/l #	25
92) 1,2-Dibromo-3-Chloropropan	13.66	75	149	18.889	ug/l #	1

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Response via : Initial Calibration

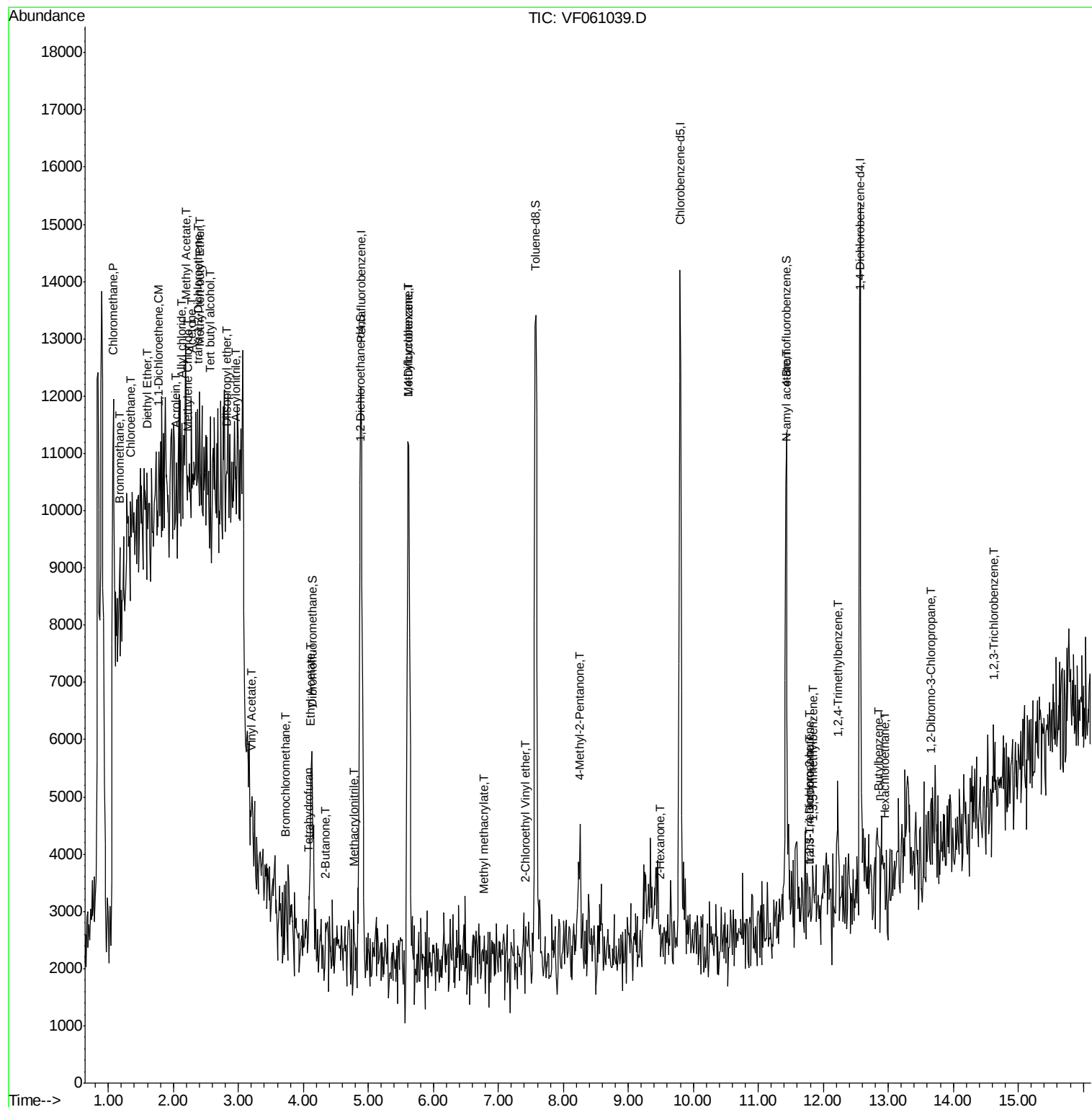
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
95) Naphthalene	14.48	128	368	Below Cal #	69
96) 1,2,3-Trichlorobenzene	14.62	180	73	1.149 ug/l #	83

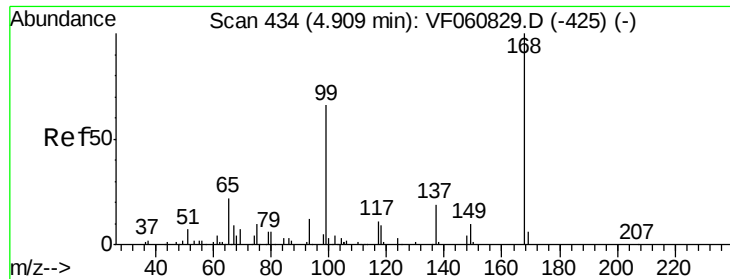
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121718\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

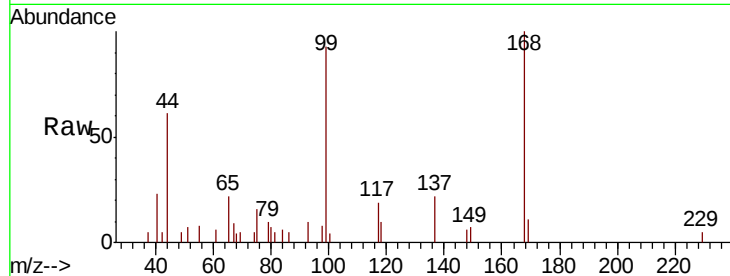
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 7889

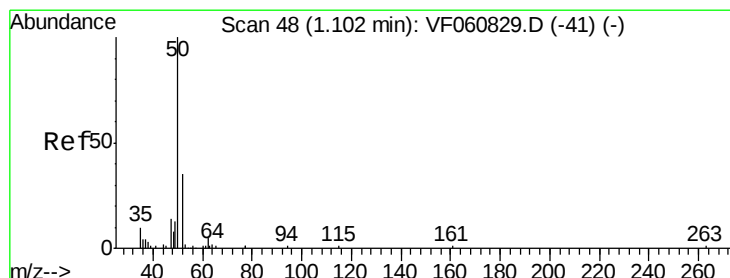
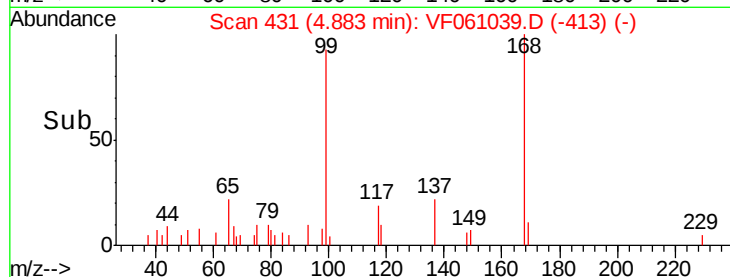
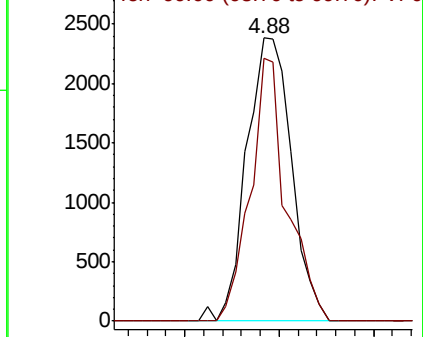
Ion Ratio Lower Upper

168 100

99 93.0 52.6 79.0#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 1.837 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF061039.D

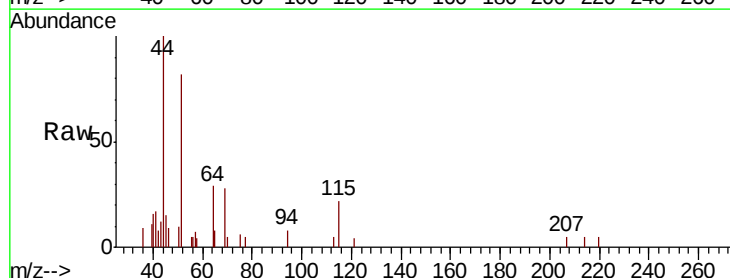
Acq: 17 Dec 2018 14:16

Tgt Ion: 50 Resp: 141

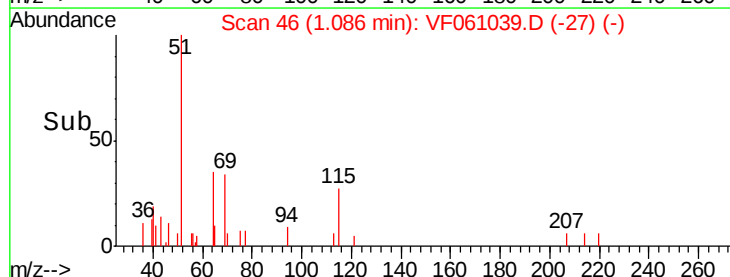
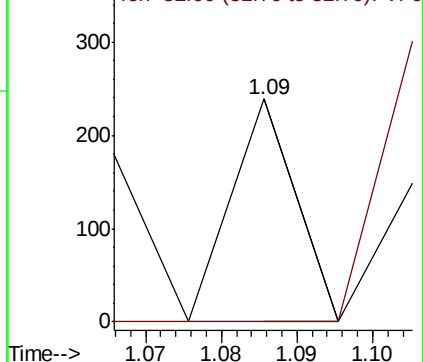
Ion Ratio Lower Upper

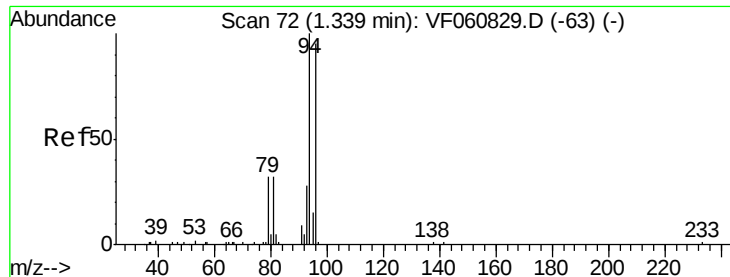
50 100

52 0.0 27.0 40.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#5

Bromomethane

Concen: 7.071 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.15 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

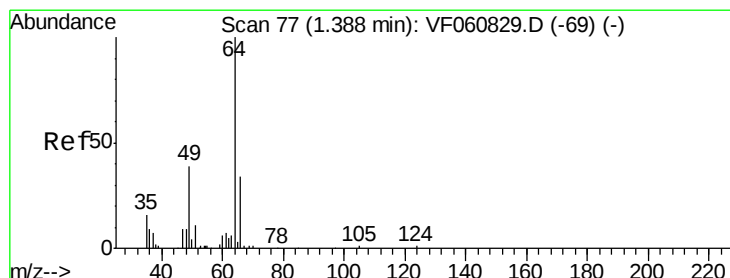
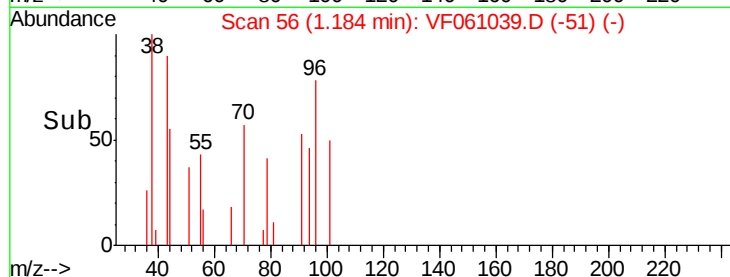
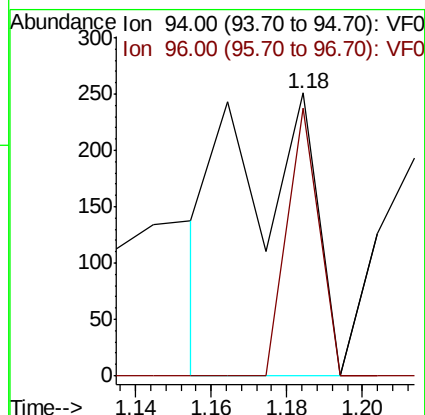
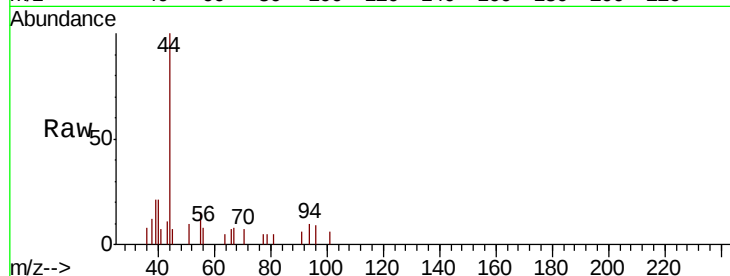
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 357

Ion Ratio Lower Upper

94 100

96 94.4 75.9 113.9



#6

Chloroethane

Concen: 2.488 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.05 min

Lab File: VF061039.D

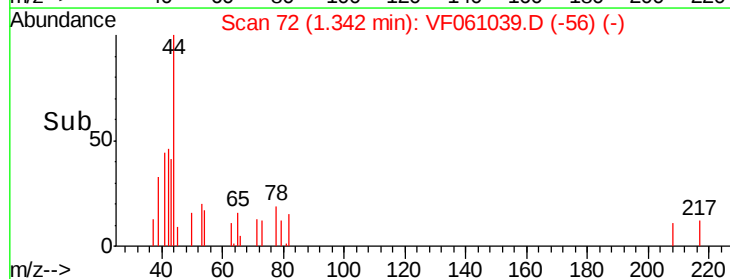
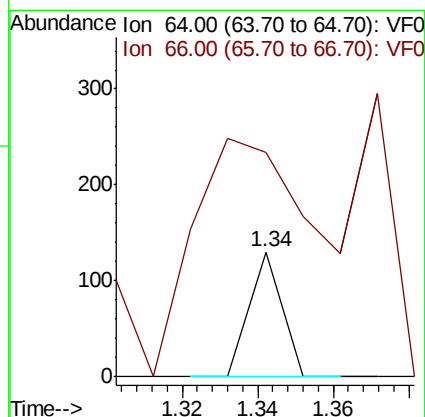
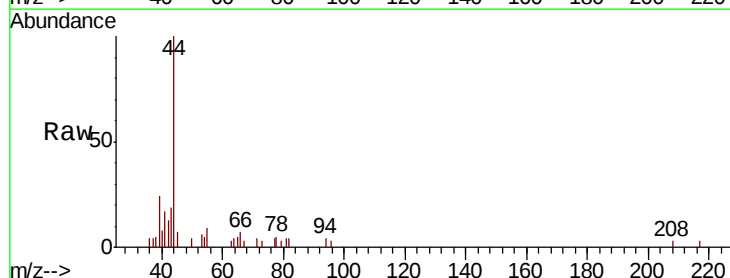
Acq: 17 Dec 2018 14:16

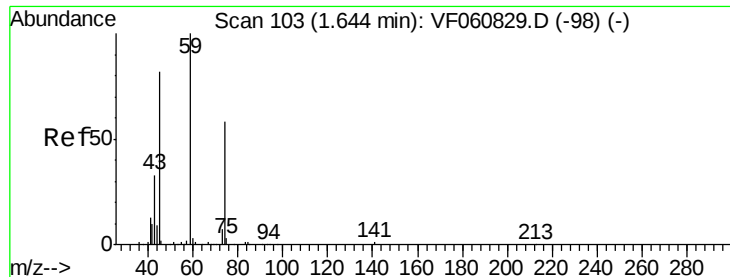
Tgt Ion: 64 Resp: 77

Ion Ratio Lower Upper

64 100

66 180.0 28.1 42.1#

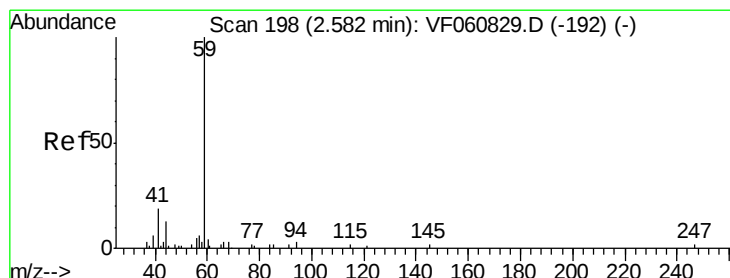
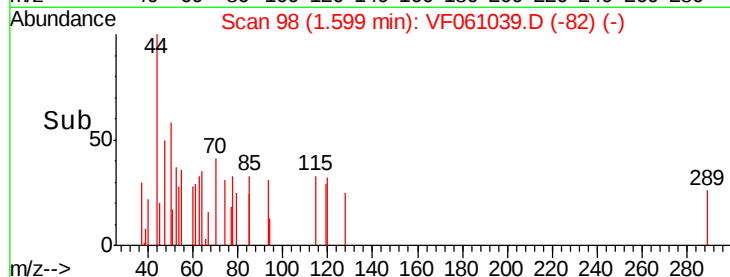
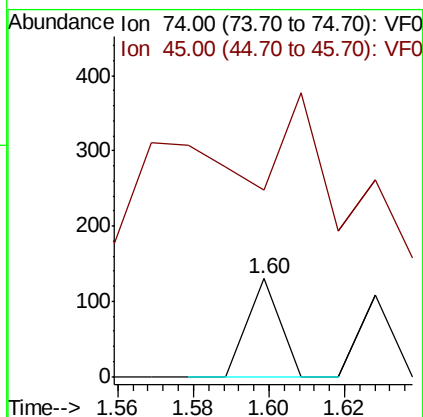
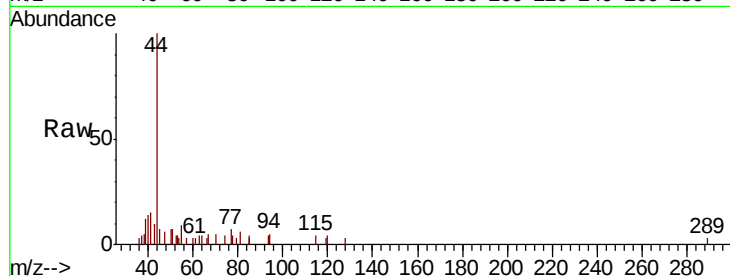




#8
Diethyl Ether
Concen: 3.486 ug/l
RT: 1.60 min Scan# 98
Delta R.T. -0.05 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

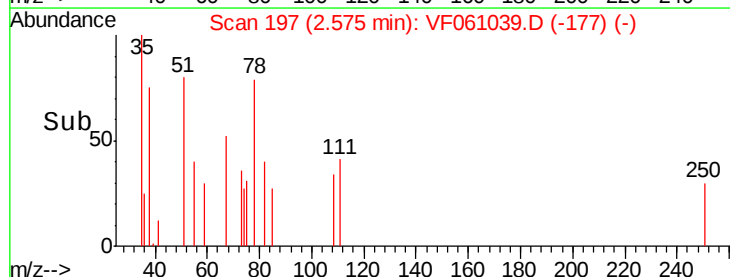
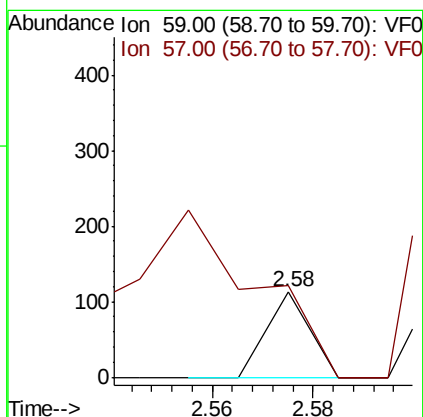
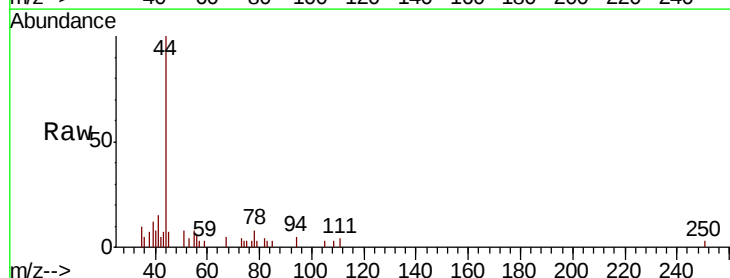
Instrument :
MSVOA_F
ClientSampled :

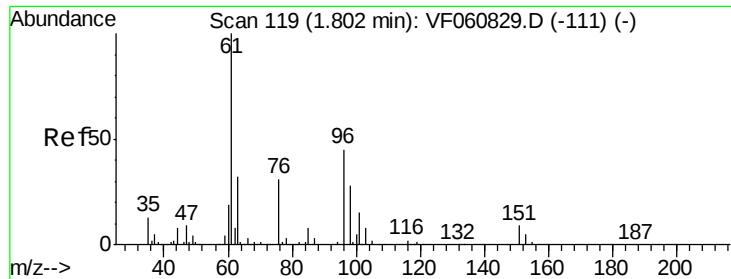
Tot Ion: 74 Resp: 77
Ion Ratio Lower Upper
74 100
45 190.8 71.0 212.8



#11
Tert butyl alcohol
Concen: 17.587 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 108.0 12.7 19.1#





#12

1,1-Dichloroethene

Concen: 1.681 ug/l

RT: 1.77 min Scan# 115

Delta R.T. -0.04 min

Lab File: VF061039.D

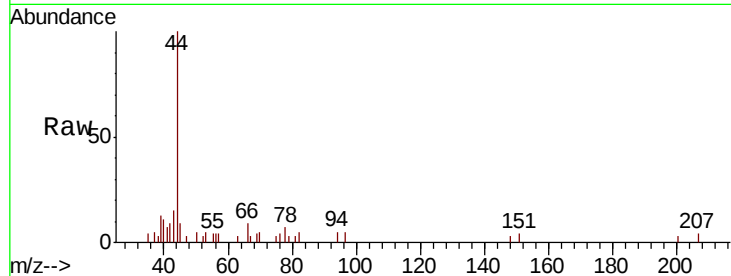
Acq: 17 Dec 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

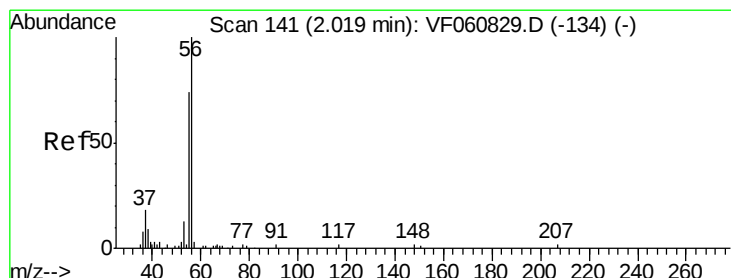
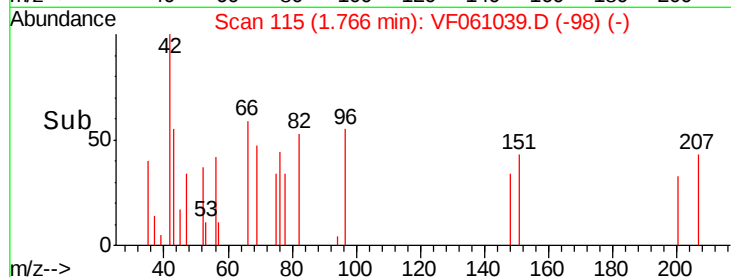
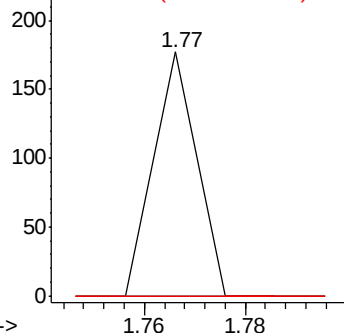
Tot Ion:	96	Resp:	105
Ion	Ratio	Lower	Upper
96	100		
61	0.0	177.3	265.9#
98	0.0	49.6	74.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 195.041 ug/l

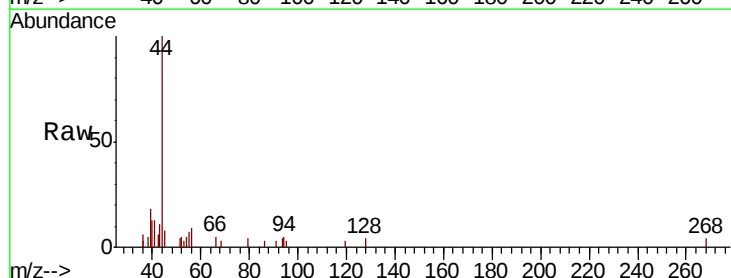
RT: 2.03 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF061039.D

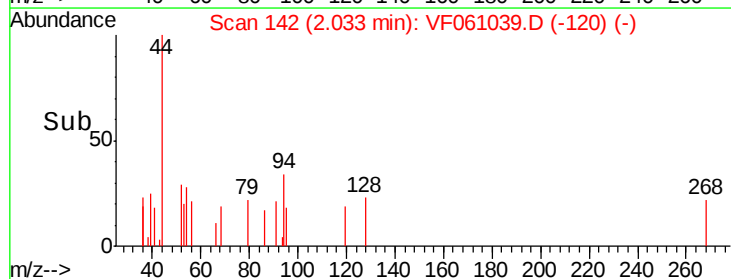
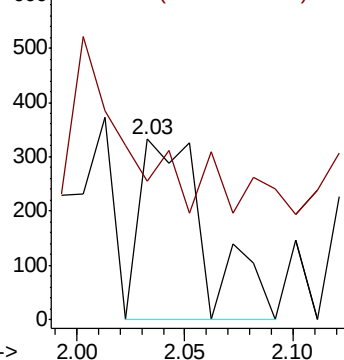
Acq: 17 Dec 2018 14:16

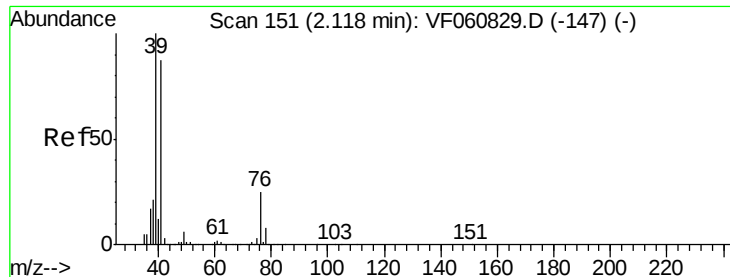
Tgt Ion:	56	Resp:	704
Ion	Ratio	Lower	Upper
56	100		
55	76.8	61.2	91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

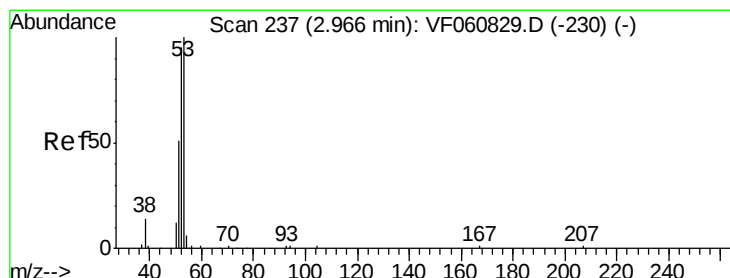
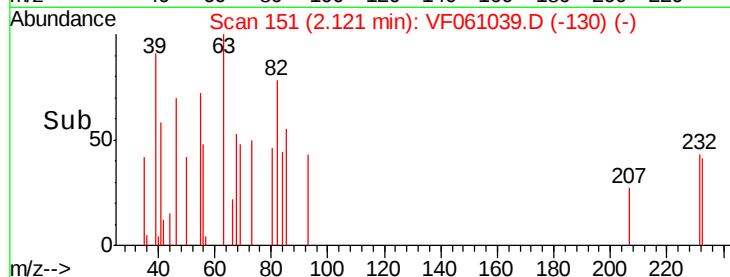
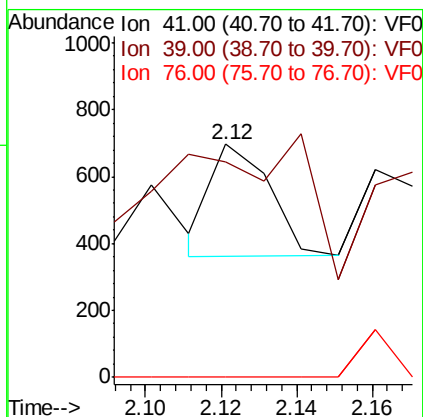
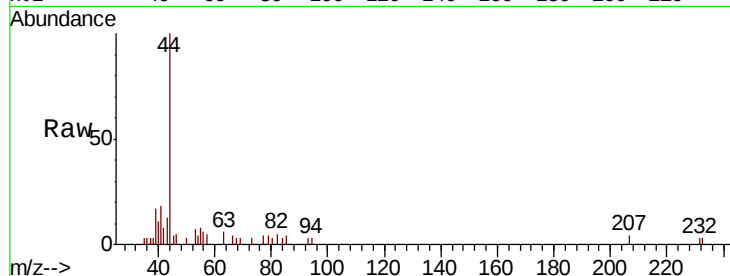




#14
Allvl chloride
Concen: 4.572 ug/l
RT: 2.12 min Scan# 151
Delta R.T. 0.00 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

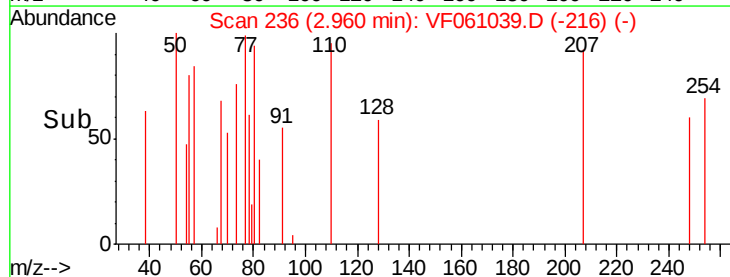
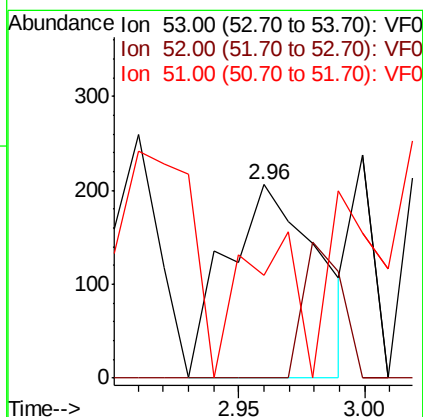
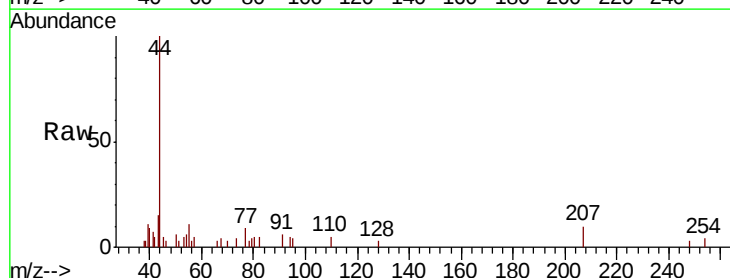
Instrument :
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ClientSampled :

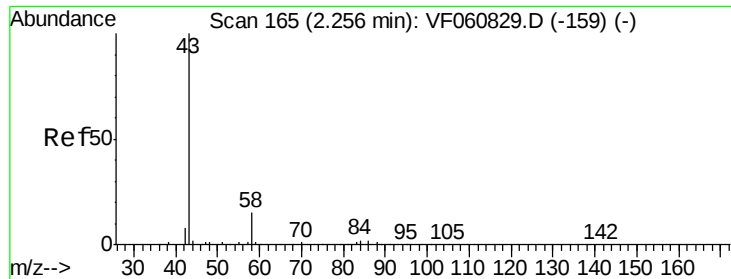
Tot Ion: 41 Resp: 356
Ion Ratio Lower Upper
41 100
39 92.3 91.7 137.5
76 0.0 23.5 35.3#



#15
Acrylonitrile
Concen: 61.001 ug/l
RT: 2.96 min Scan# 236
Delta R.T. -0.01 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

Tgt Ion: 53 Resp: 521
Ion Ratio Lower Upper
53 100
52 0.0 76.5 114.7#
51 52.9 40.7 61.1





#16

Acetone

Concen: 27.600 ug/l

RT: 2.28 min Scan# 167

Delta R.T. 0.02 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Instrument :

MSVOA_F

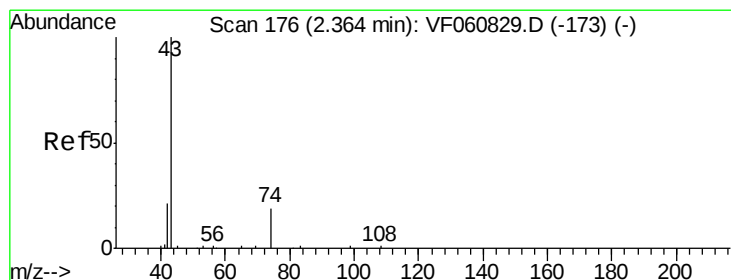
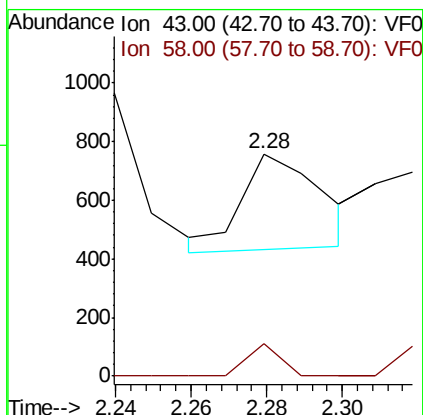
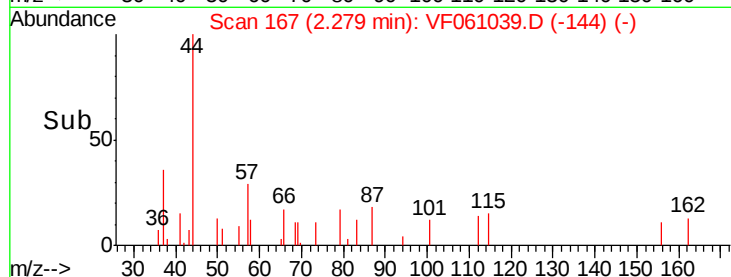
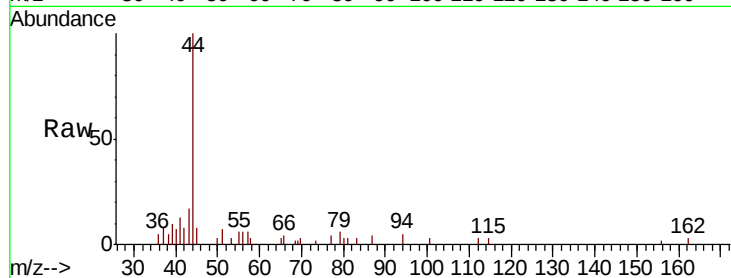
ClientSampleId :

Tot Ion: 43 Resp: 473

Ion Ratio Lower Upper

43 100

58 14.9 11.4 17.2



#18

Methyl Acetate

Concen: 8.975 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.17 min

Lab File: VF061039.D

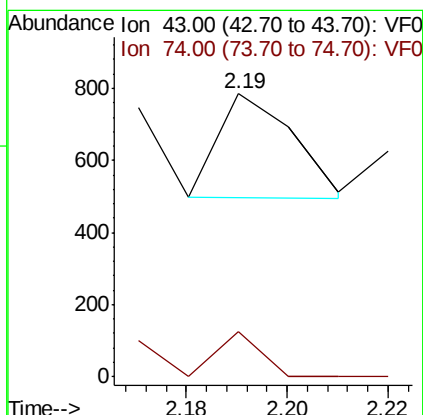
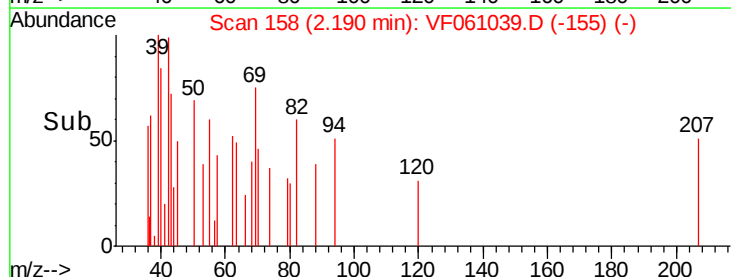
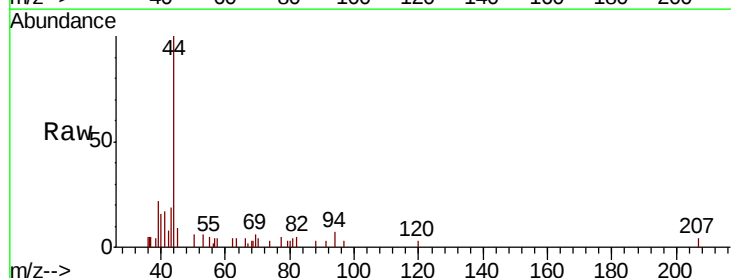
Acq: 17 Dec 2018 14:16

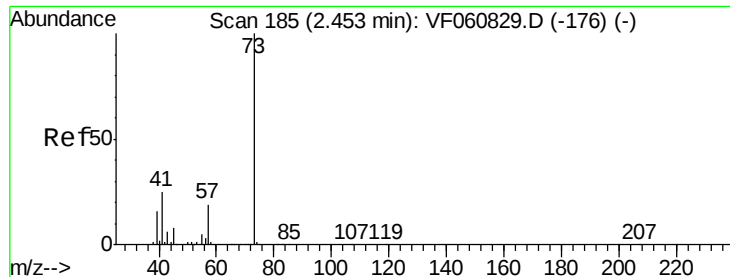
Tgt Ion: 43 Resp: 297

Ion Ratio Lower Upper

43 100

74 16.2 13.3 19.9



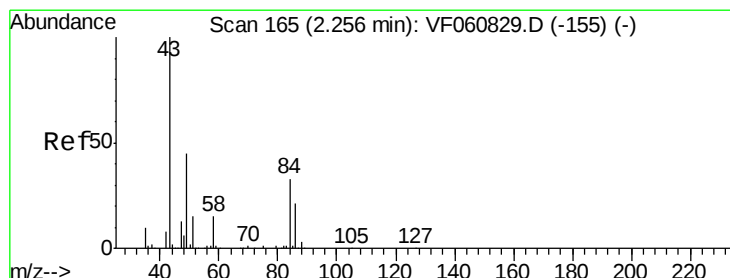
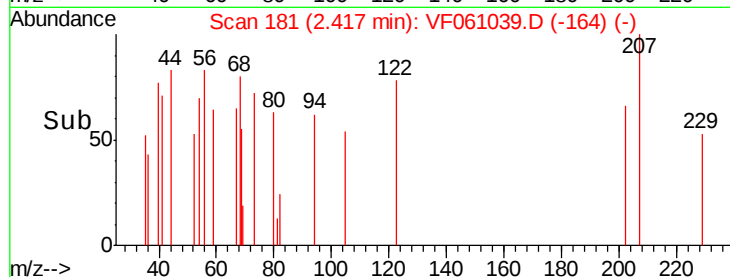
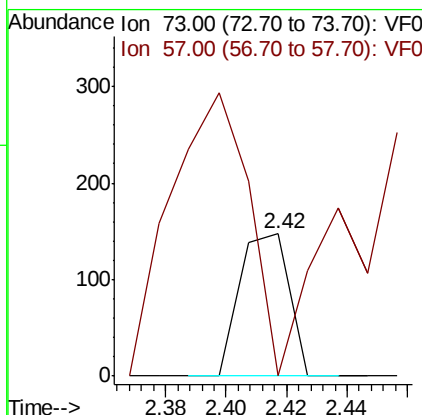
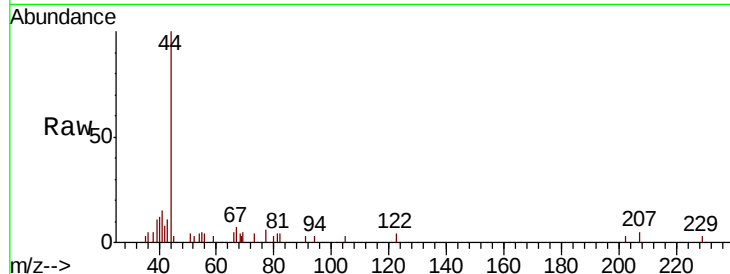


#19

Methyl tert-butyl Ether
 Concen: 1.201 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.04 min
 Lab File: VF061039.D
 Acq: 17 Dec 2018 14:16

Instrument :
 MSVOA_F
 ClientSampleID :

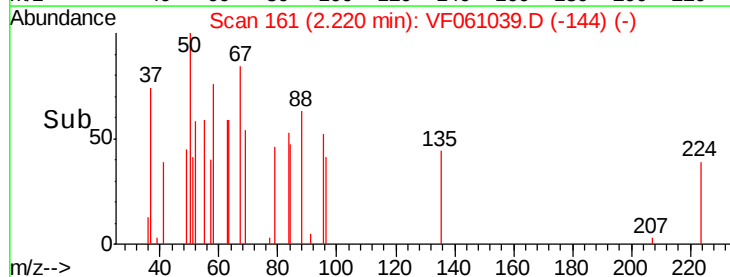
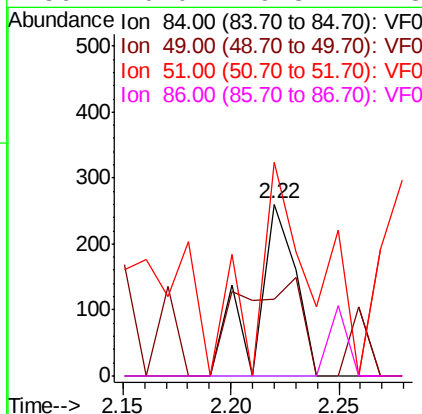
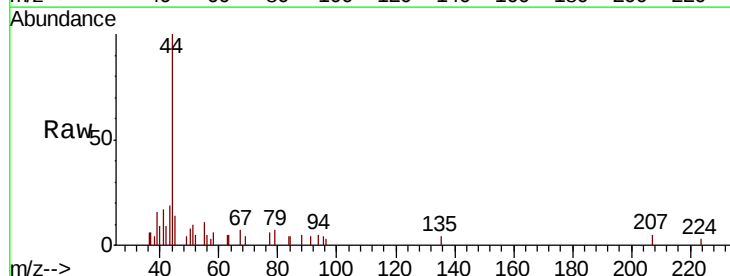
Tot Ion: 73 Resp: 169
 Ion Ratio Lower Upper
 73 100
 57 0.0 15.3 22.9#

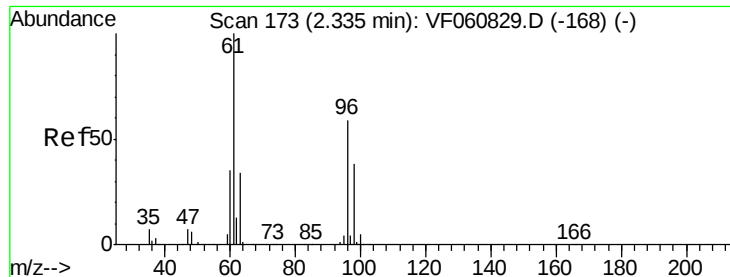


#20

Methylene Chloride
 Concen: 5.265 ug/l
 RT: 2.22 min Scan# 161
 Delta R.T. -0.04 min
 Lab File: VF061039.D
 Acq: 17 Dec 2018 14:16

Tgt Ion: 84 Resp: 331
 Ion Ratio Lower Upper
 84 100
 49 45.0 111.3 166.9#
 51 124.6 38.0 57.0#
 86 0.0 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 2.325 ug/l

RT: 2.39 min Scan# 178

Delta R.T. 0.05 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Instrument :
MSVOA_F
ClientSampleId :

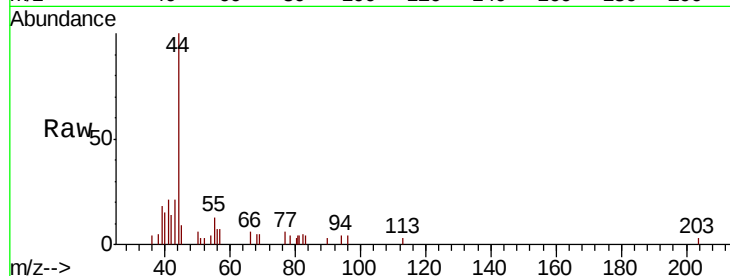
Tot Ion: 96 Resp: 140

Ion Ratio Lower Upper

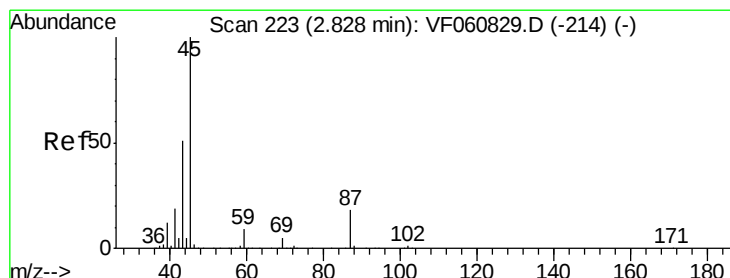
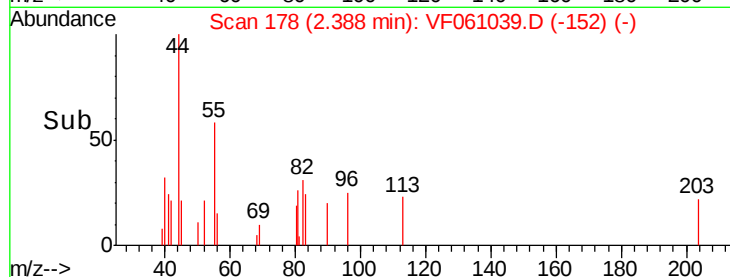
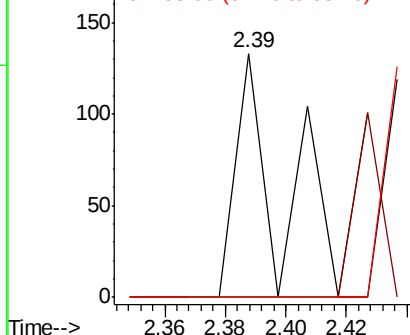
96 100

61 0.0 134.5 201.7#

98 0.0 51.6 77.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 3.416 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.02 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Tgt Ion: 45 Resp: 724

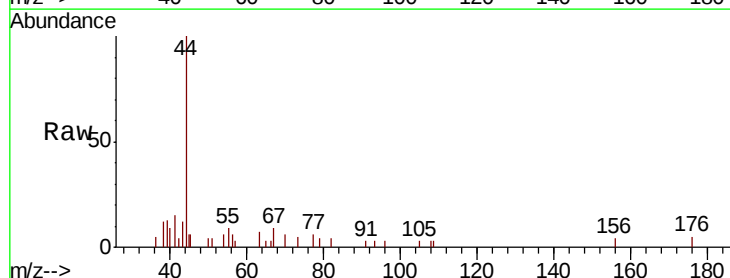
Ion Ratio Lower Upper

45 100

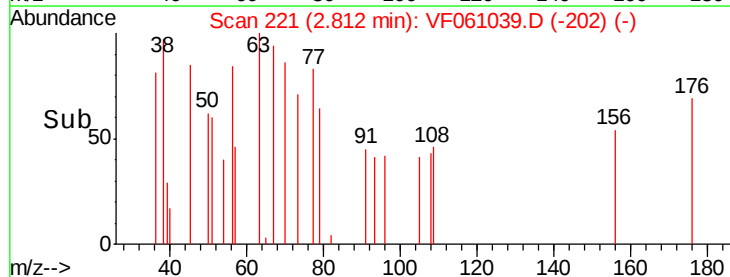
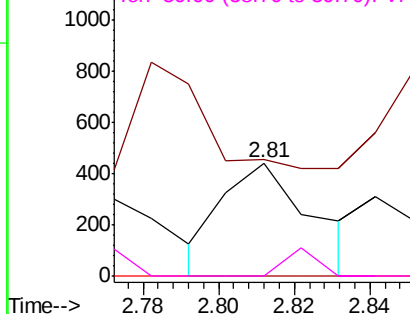
43 103.6 41.0 61.6#

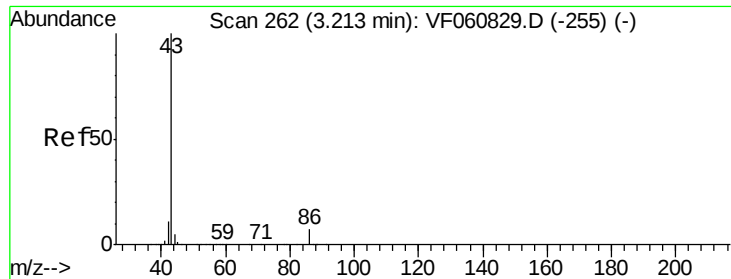
87 0.0 14.6 22.0#

59 0.0 7.5 11.3#



Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 13.182 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.02 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Instrument :

MSVOA_F

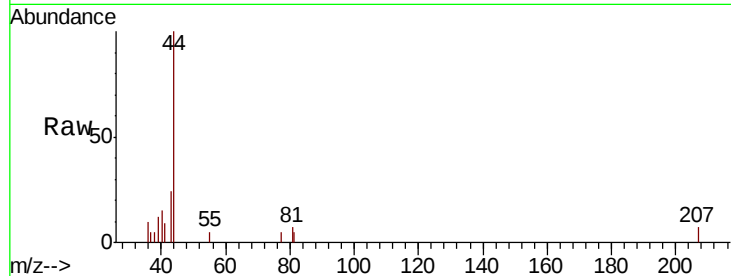
ClientSampled :

Tot Ion: 43 Resp: 1277

Ion Ratio Lower Upper

43 100

86 0.0 5.4 8.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.20

500

400

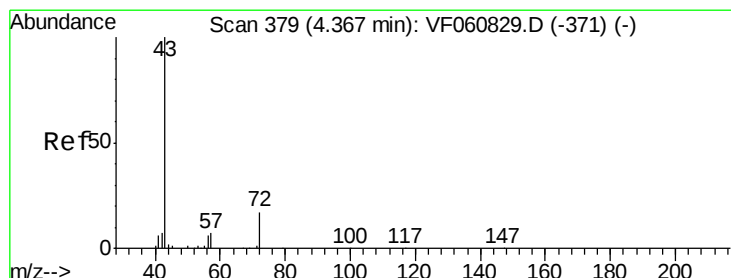
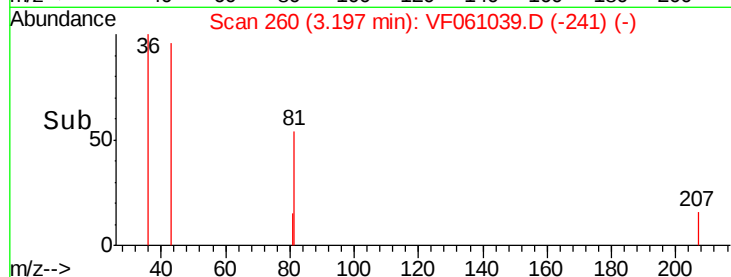
300

200

100

0

Time--> 3.15 3.20 3.25 3.30



#25

2-Butanone

Concen: 22.738 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF061039.D

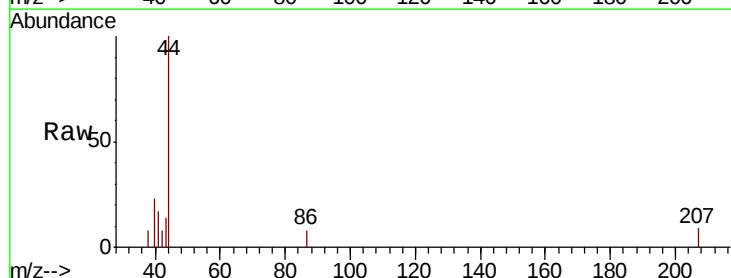
Acq: 17 Dec 2018 14:16

Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

300

250

200

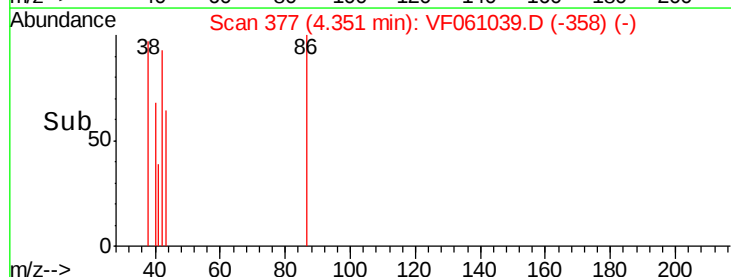
150

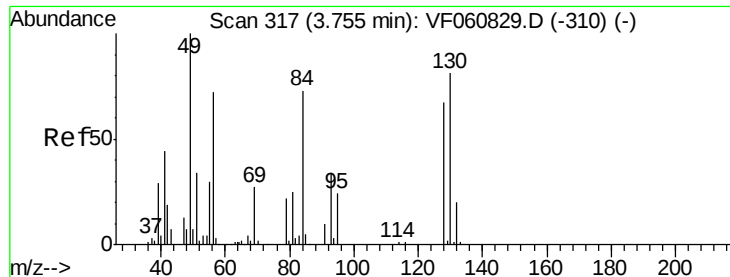
100

50

0

Time--> 4.30 4.35 4.40





#28

Bromochloromethane

Concen: 1.256 ug/l

RT: 3.73 min Scan# 314

Delta R.T. -0.03 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Instrument :
MSVOA_F
ClientSampled :

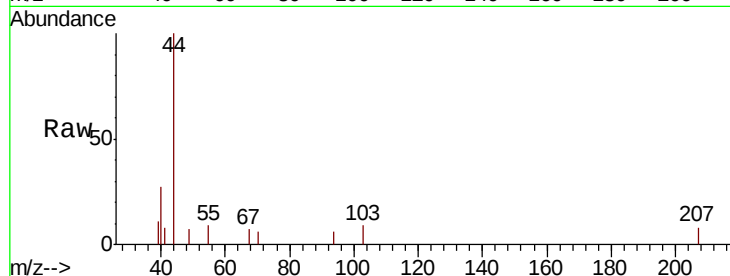
Tot Ion: 49 Resp: 76

Ion Ratio Lower Upper

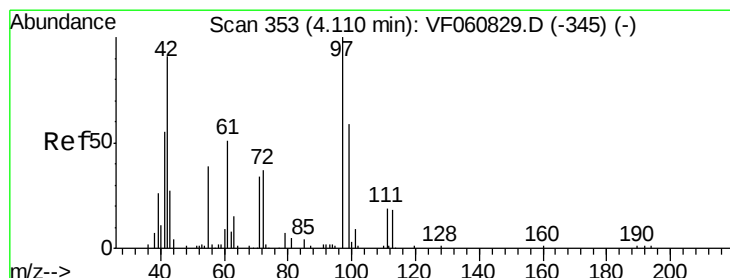
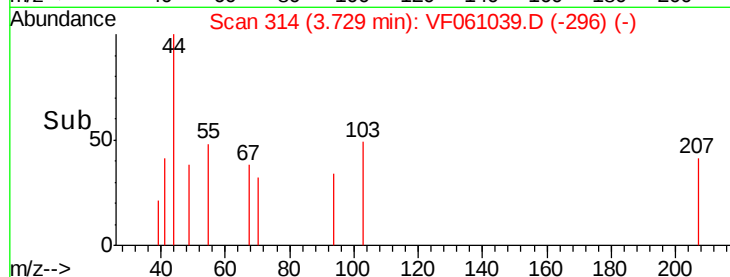
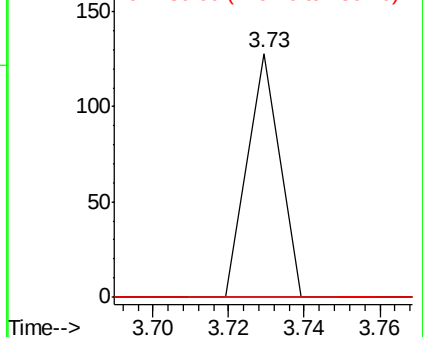
49 100

129 0.0 0.0 4.4

130 0.0 64.2 96.4#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 5.651 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

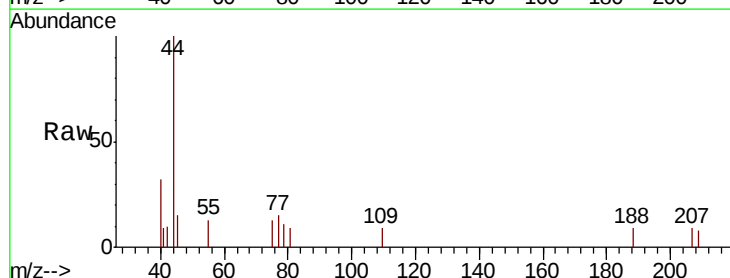
Tgt Ion: 42 Resp: 71

Ion Ratio Lower Upper

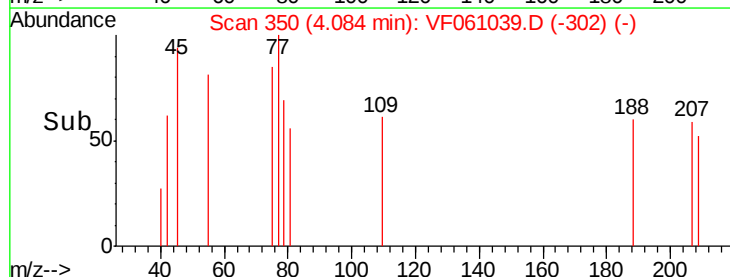
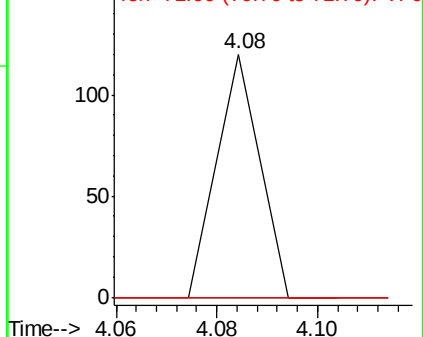
42 100

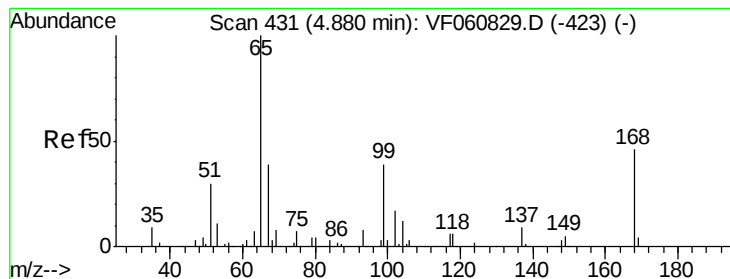
72 0.0 31.9 47.9#

71 0.0 28.7 43.1#



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: 23.554 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Instrument :

MSVOA_F

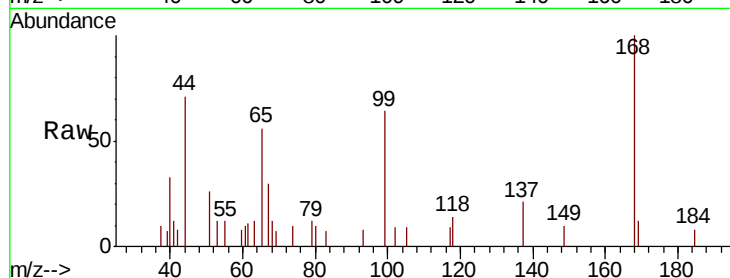
ClientSampleId :

Tot Ion: 65 Resp: 2189

Ion Ratio Lower Upper

65 100

67 54.1 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

800

600

400

200

0

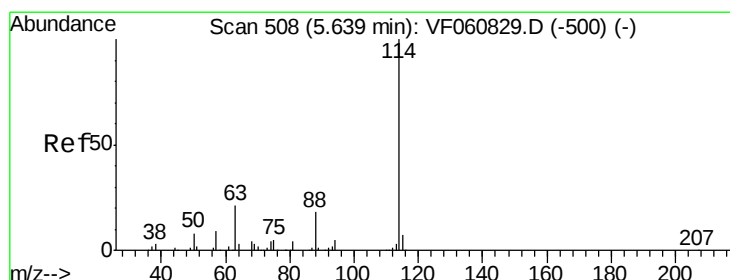
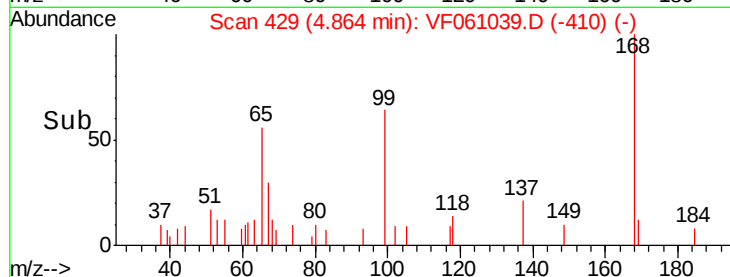
4.80

4.85

4.90

4.95

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.02 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

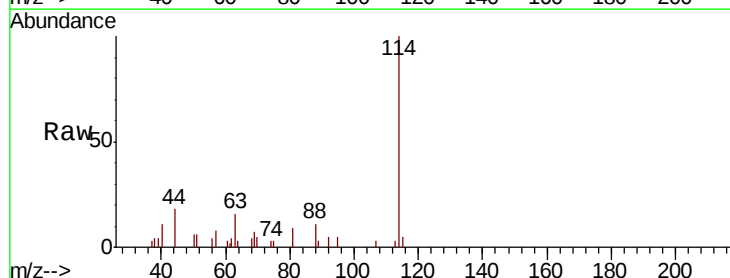
Tgt Ion: 114 Resp: 11242

Ion Ratio Lower Upper

114 100

63 16.1 0.0 41.6

88 11.2 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

6000

5000

4000

3000

2000

1000

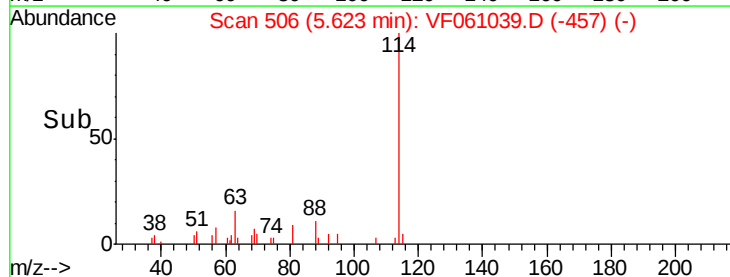
0

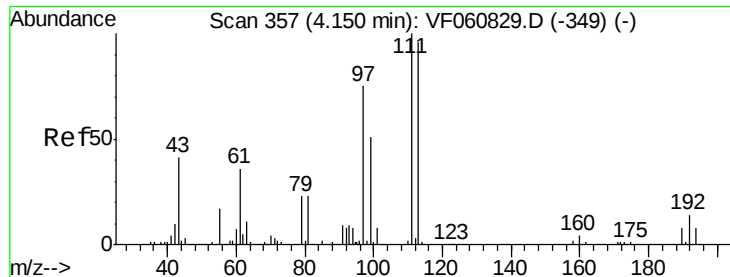
5.50

5.60

5.70

Time-->

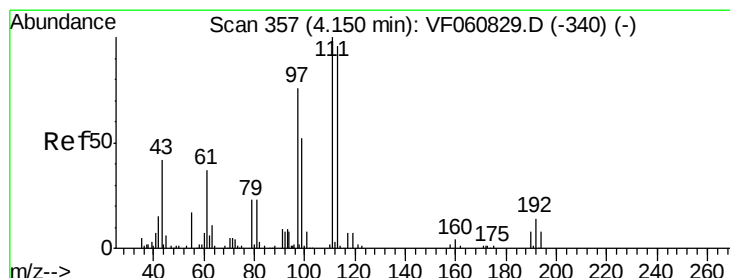
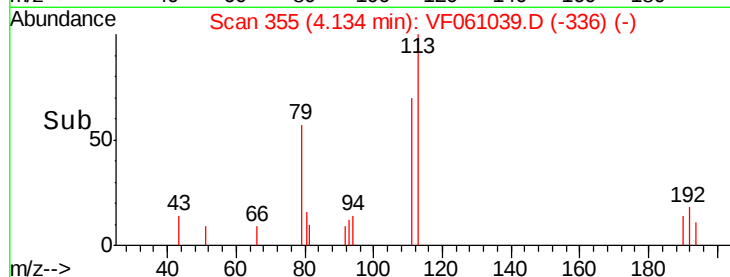
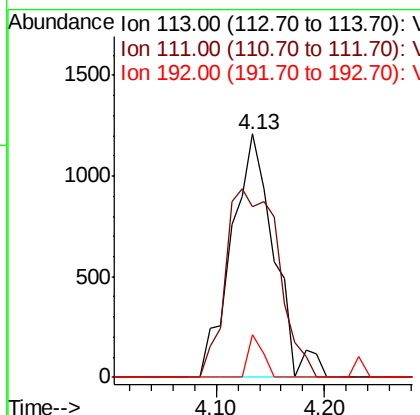
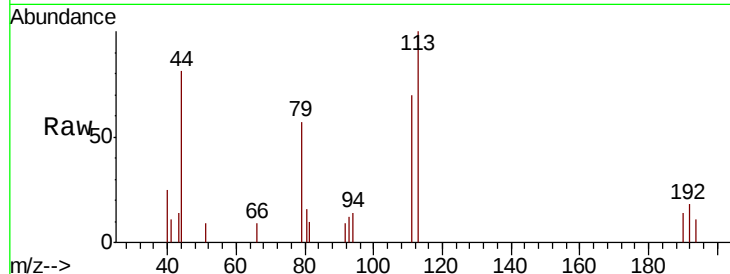




#35
Dibromofluoromethane
Concen: 37.271 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

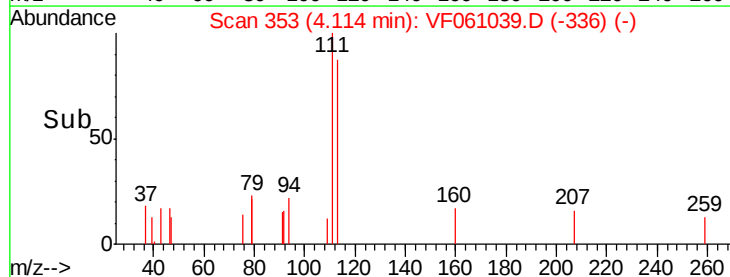
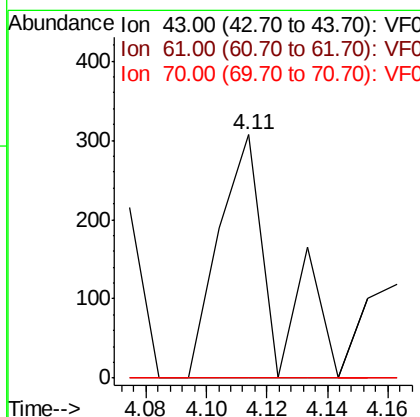
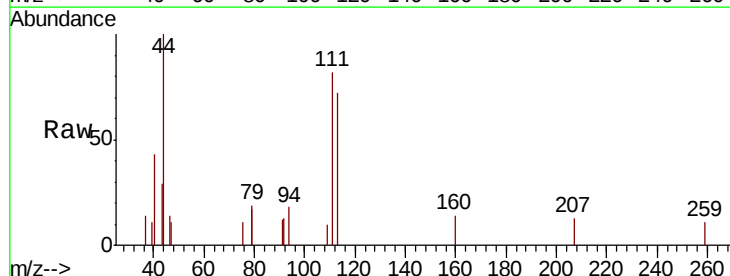
Instrument :
MSVOA_F
ClientSampleId :

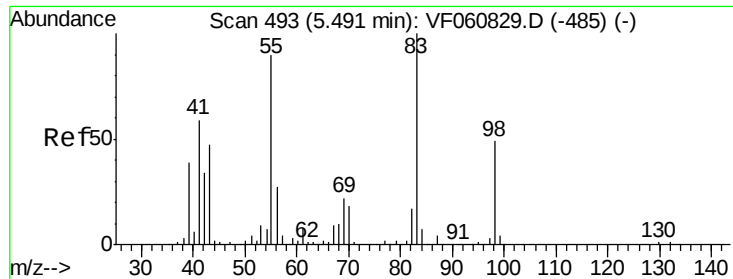
Tot Ion:113 Resp: 3324
Ion Ratio Lower Upper
113 100
111 70.2 83.0 124.6#
192 17.6 12.3 18.5



#37
Ethyl Acetate
Concen: 7.736 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
61 0.0 68.6 103.0#
70 0.0 9.0 13.4#

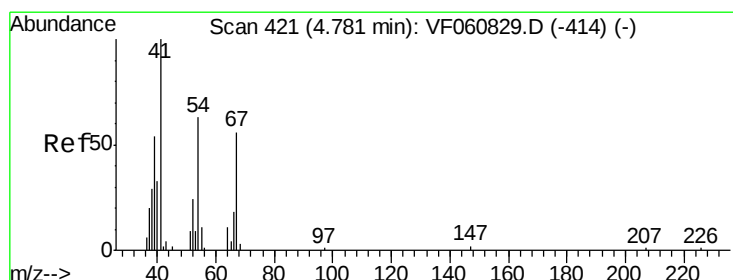
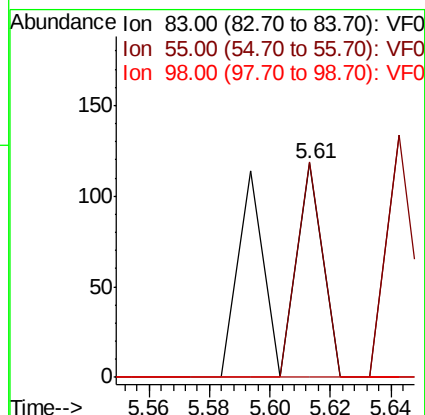
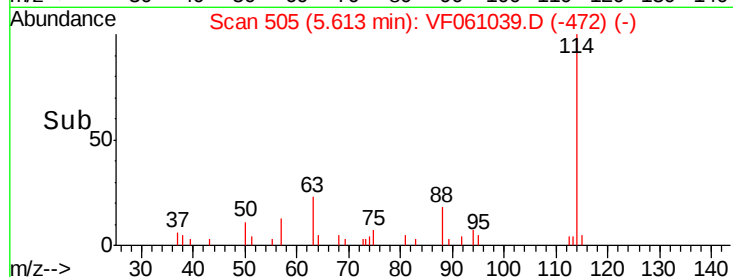
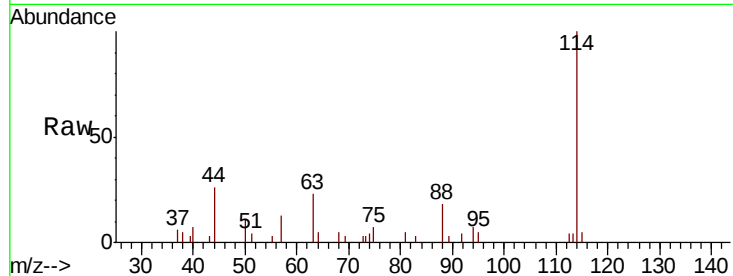




#39
Methylcyclohexane
Concen: 1.048 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.12 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

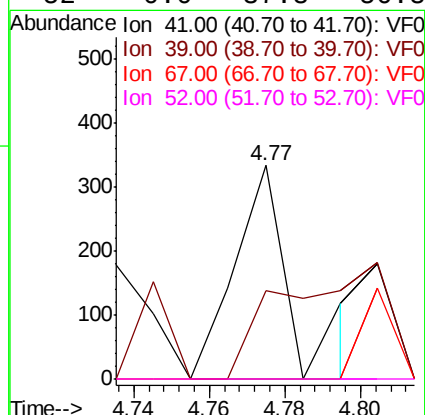
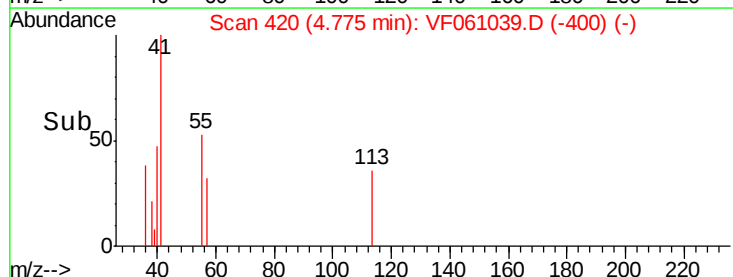
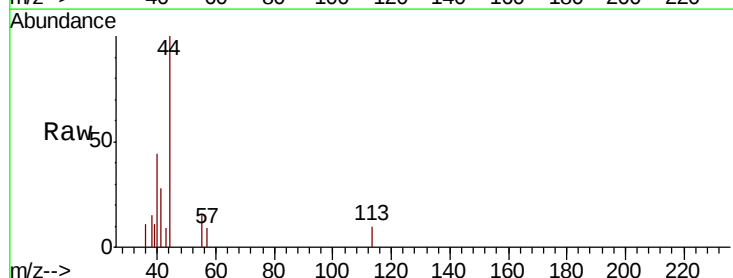
Instrument :
MSVOA_F
ClientSampleId :

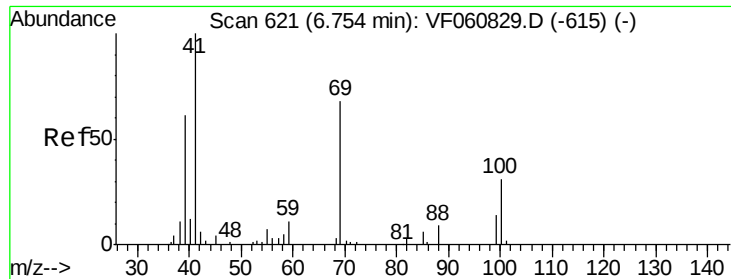
Tot Ion: 83 Resp: 137
Ion Ratio Lower Upper
83 100
55 100.8 72.1 108.1
98 0.0 39.1 58.7#



#41
Methacrylonitrile
Concen: 10.257 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

Tgt Ion: 41 Resp: 350
Ion Ratio Lower Upper
41 100
39 41.4 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#

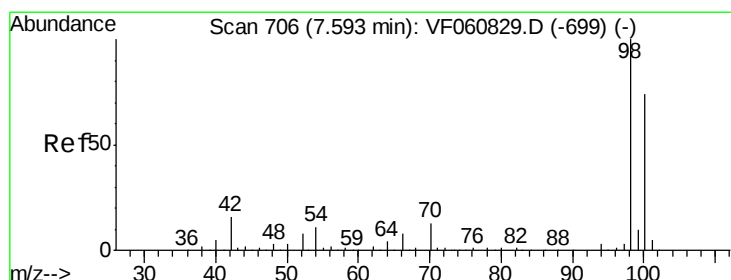
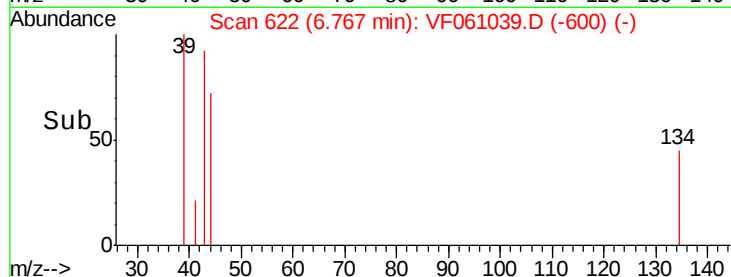
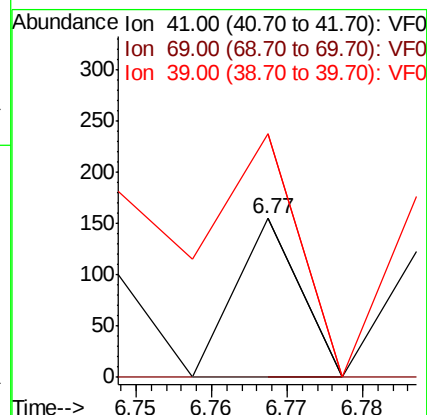
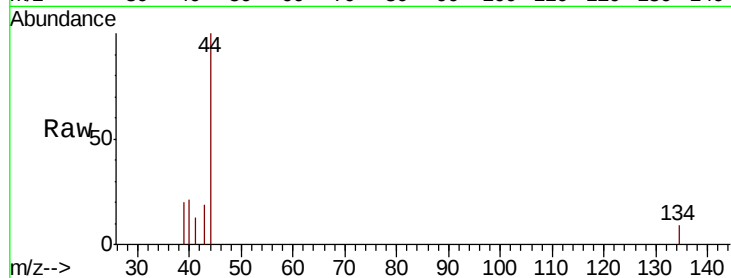




#48
Methvl methacrylate
Concen: 2.006 ug/l
RT: 6.77 min Scan# 622
Delta R.T. 0.01 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

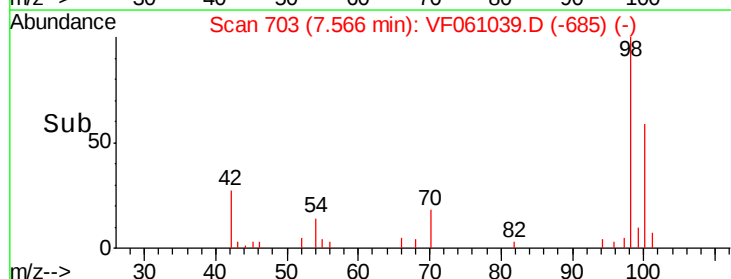
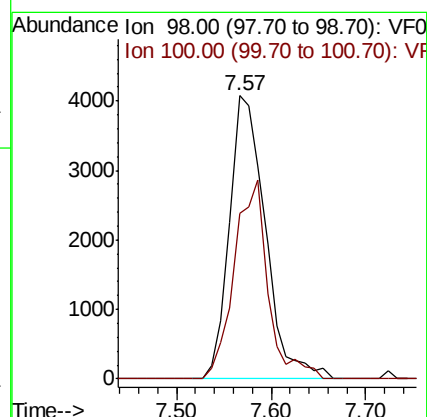
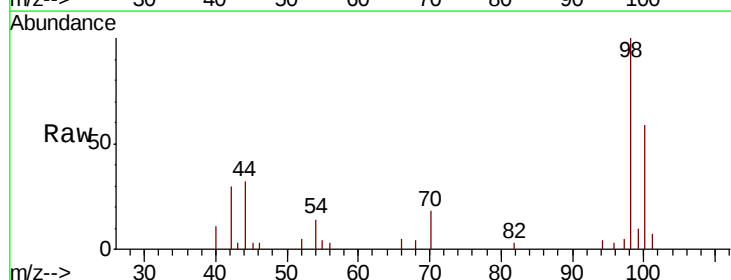
Instrument :
MSVOA_F
ClientSampled :

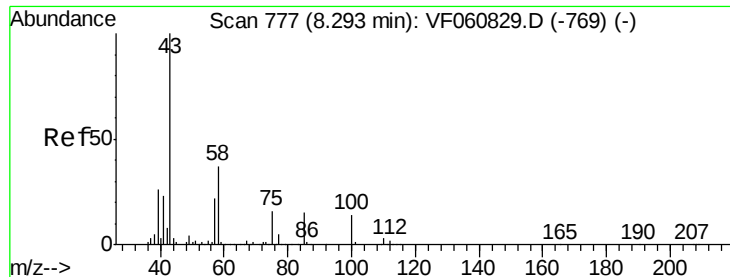
Tot Ion: 41 Resp: 92
Ion Ratio Lower Upper
41 100
69 0.0 53.9 80.9#
39 153.5 49.0 73.6#



#50
Toluene-d8
Concen: 40.797 ug/l
RT: 7.57 min Scan# 703
Delta R.T. -0.03 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

Tgt Ion: 98 Resp: 10718
Ion Ratio Lower Upper
98 100
100 58.6 59.3 88.9#





#51

4-Methyl-2-Pentanone

Concen: 16.329 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Instrument :

MSVOA_F

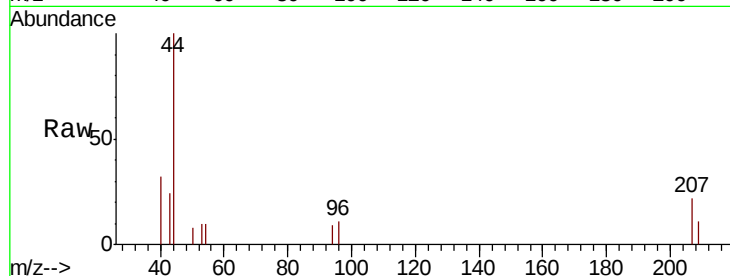
ClientSampled :

Tot Ion: 43 Resp: 763

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.27

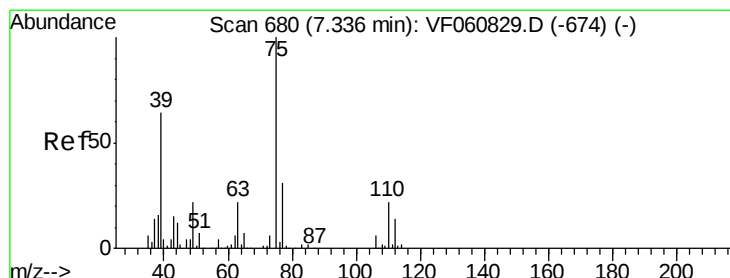
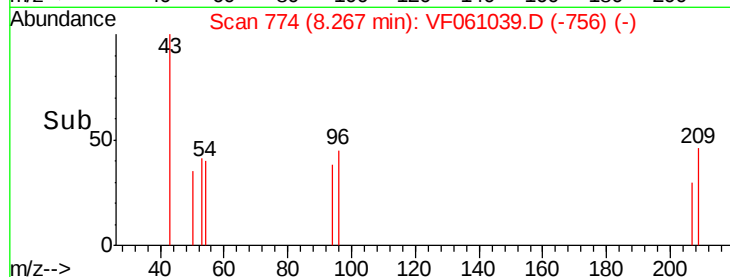
300

200

100

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 15.453 ug/l

RT: 7.43 min Scan# 689

Delta R.T. 0.09 min

Lab File: VF061039.D

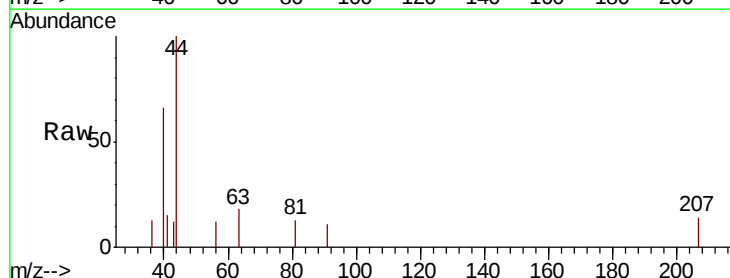
Acq: 17 Dec 2018 14:16

Tgt Ion: 63 Resp: 99

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.43

200

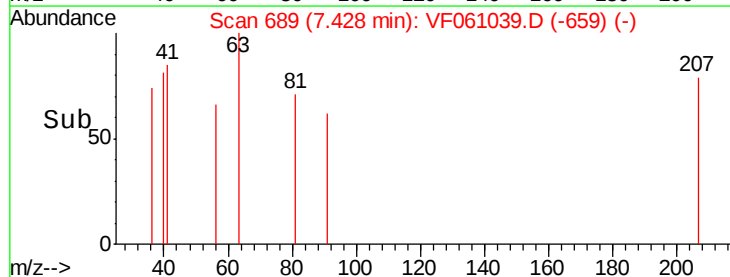
150

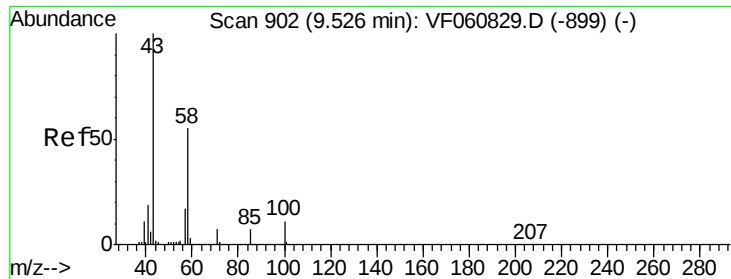
100

50

0

Time-->

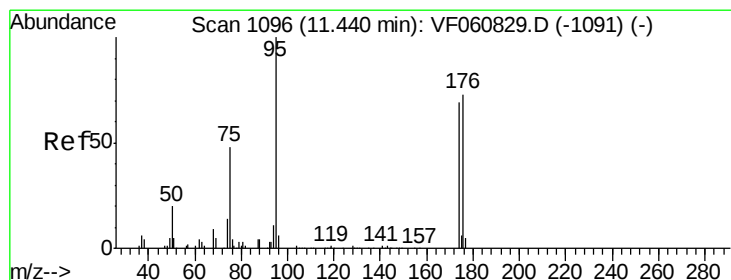
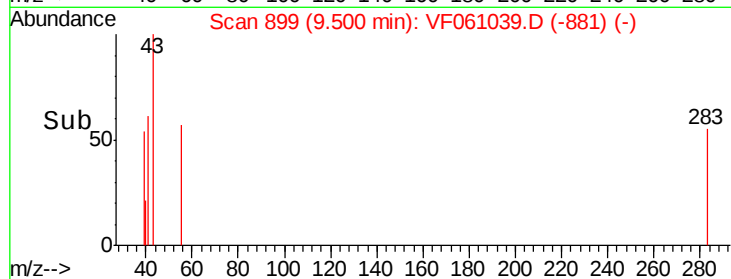
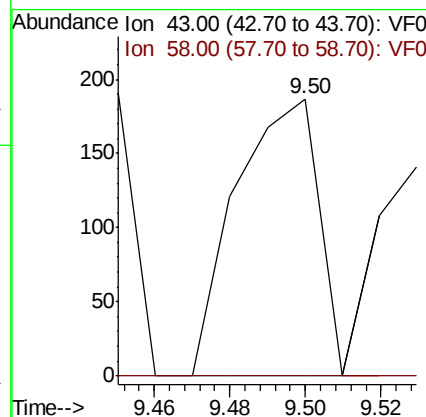
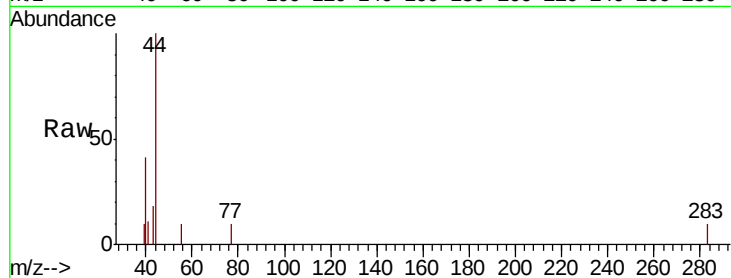




#59
2-Hexanone
Concen: 8.602 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.03 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

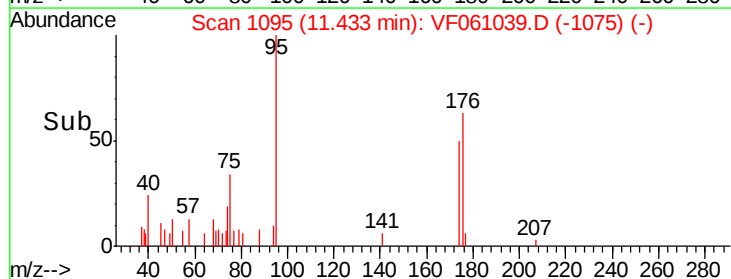
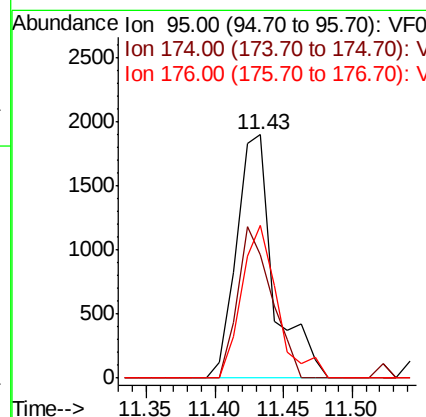
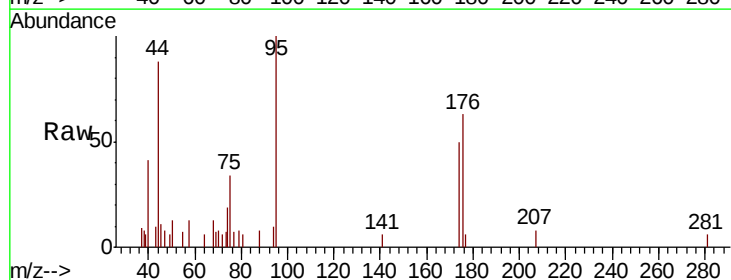
Instrument :
MSVOA_F
ClientSampled :

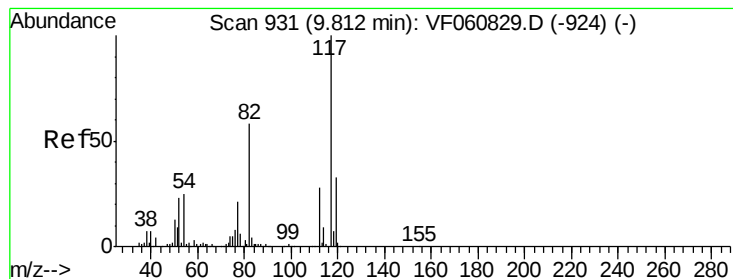
Tot Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 30.025 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

Tgt Ion: 95 Resp: 3585
Ion Ratio Lower Upper
95 100
174 50.5 0.0 138.2
176 62.5 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.80 min Scan# 929

Delta R.T. -0.02 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Instrument :

MSVOA_F

ClientSampled :

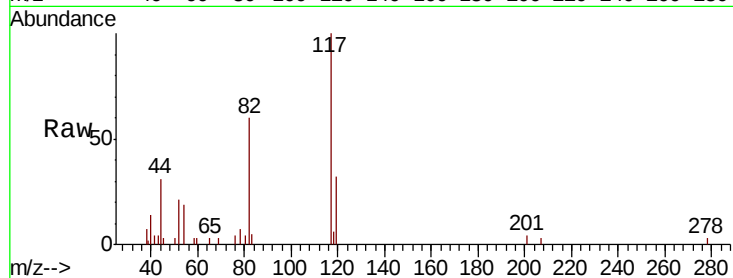
Tot Ion:117 Resp: 8668

Ion Ratio Lower Upper

117 100

82 59.8 46.6 69.8

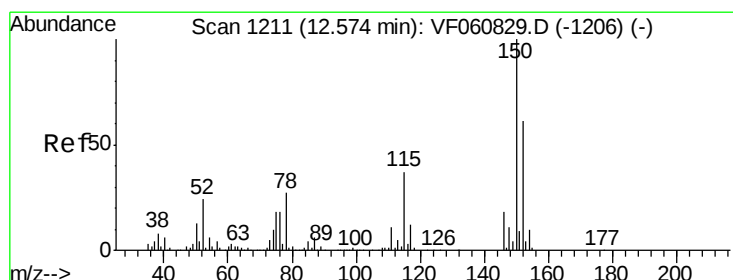
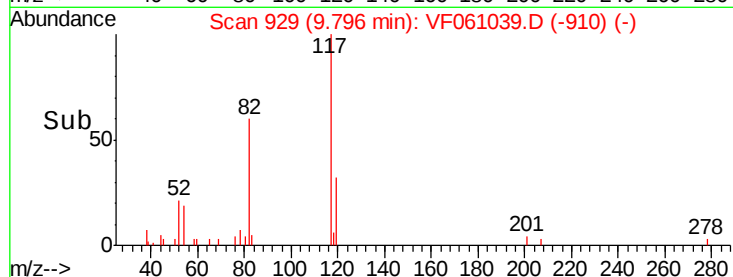
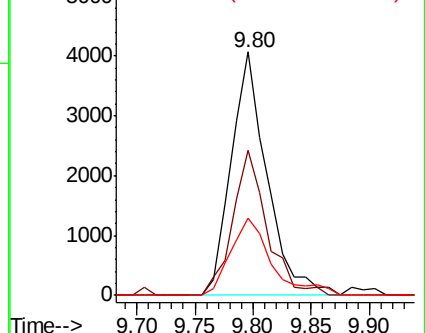
119 31.8 26.4 39.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

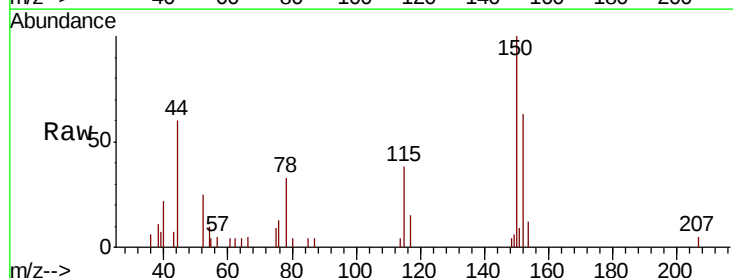
Tgt Ion:152 Resp: 3137

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.5

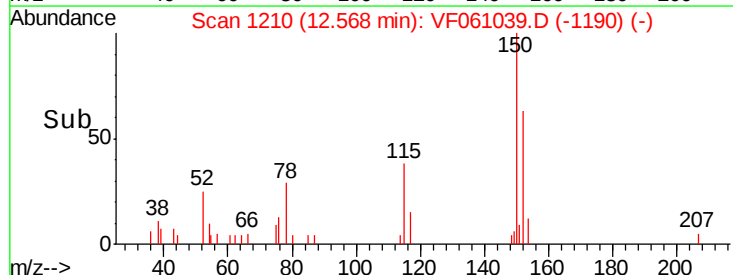
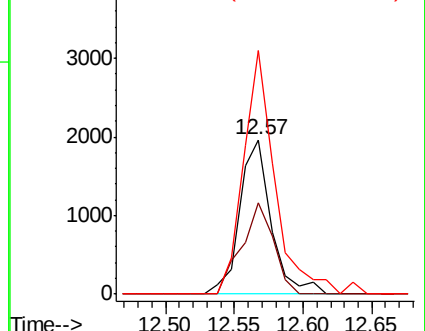
150 157.7 0.0 327.6

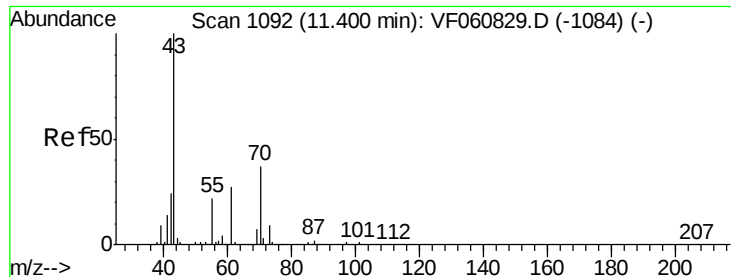


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: 12.403 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 710

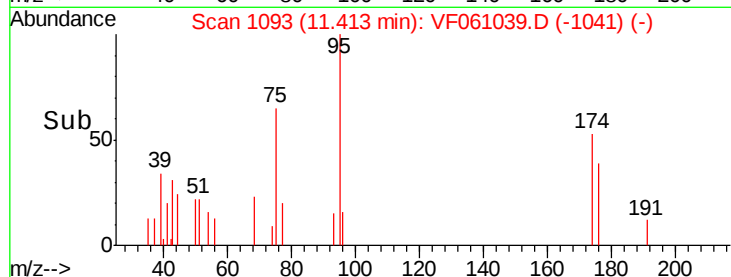
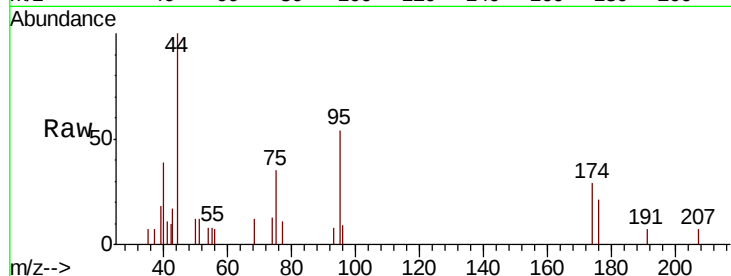
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 50.0 17.2 25.8#

61 0.0 21.8 32.6#

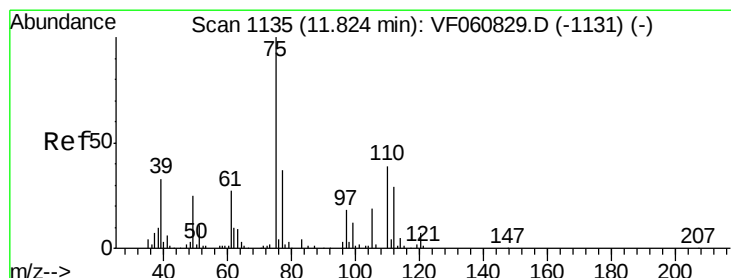
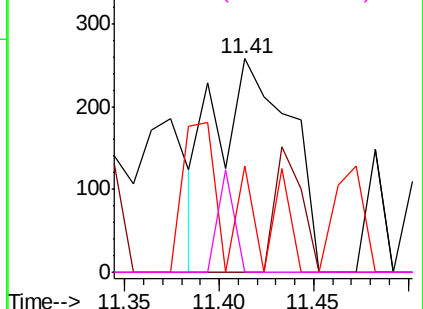


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 4.856 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.05 min

Lab File: VF061039.D

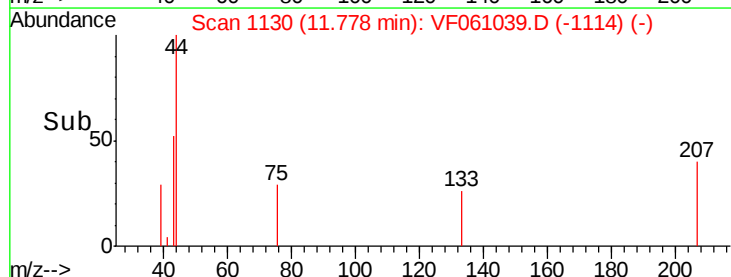
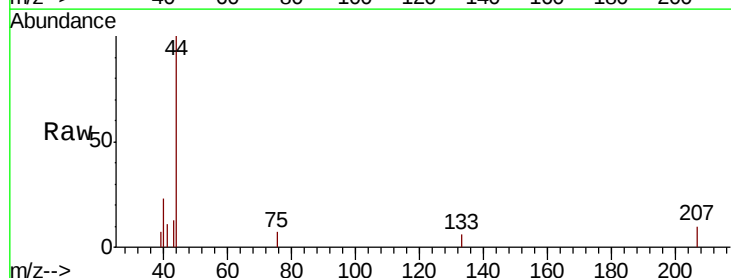
Acq: 17 Dec 2018 14:16

Tgt Ion: 75 Resp: 144

Ion Ratio Lower Upper

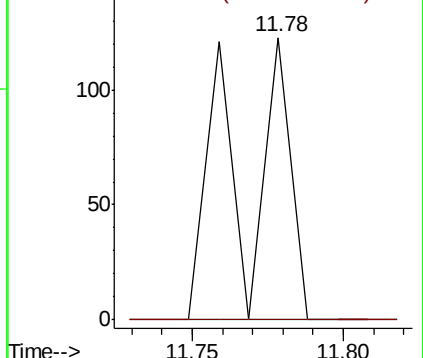
75 100

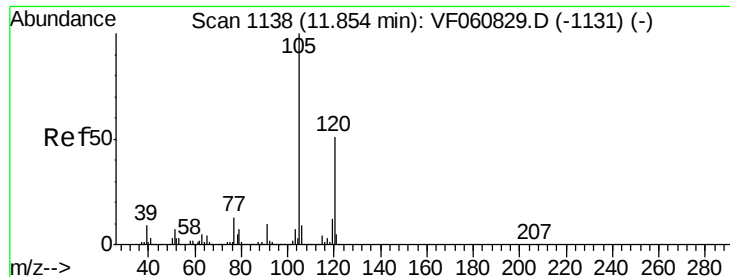
77 0.0 18.4 55.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#80

1,3,5-Trimethylbenzene

Concen: 1.168 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

Instrument :

MSVOA_F

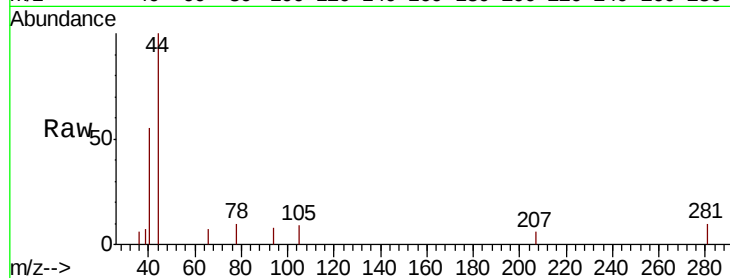
ClientSampled :

Tot Ion:105 Resp: 235

Ion Ratio Lower Upper

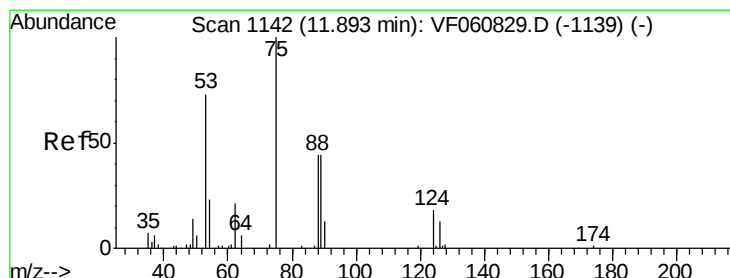
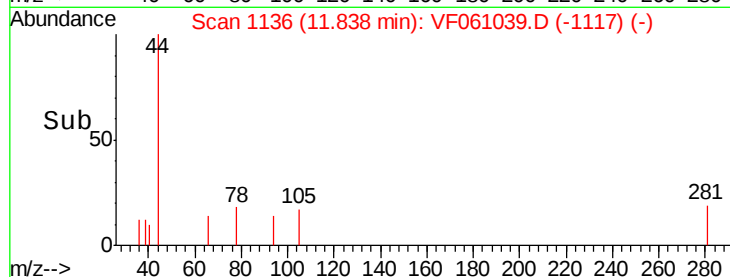
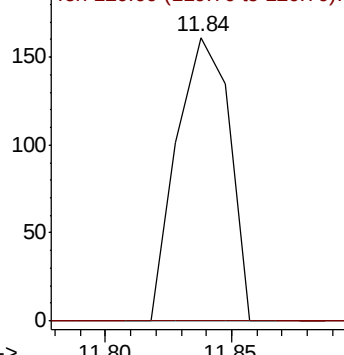
105 100

120 0.0 25.8 77.3#



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: 9.910 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.11 min

Lab File: VF061039.D

Acq: 17 Dec 2018 14:16

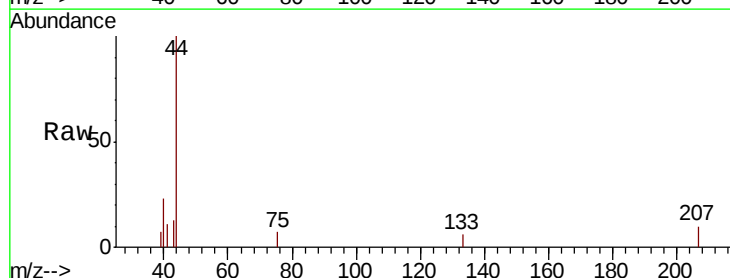
Tgt Ion: 75 Resp: 144

Ion Ratio Lower Upper

75 100

53 0.0 65.9 98.9#

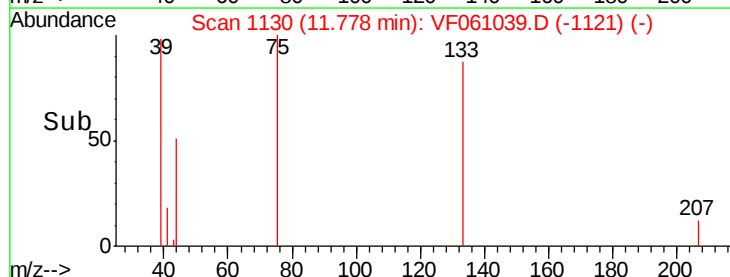
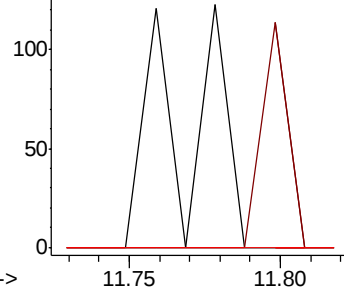
89 0.0 38.8 58.2#

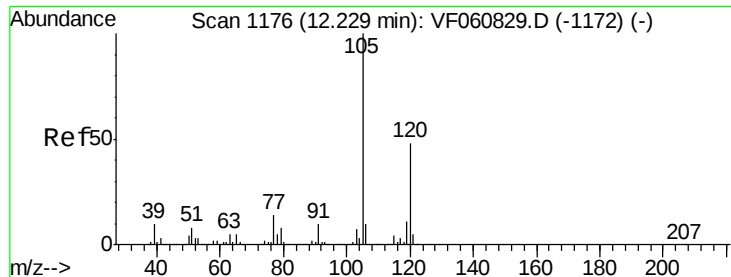


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

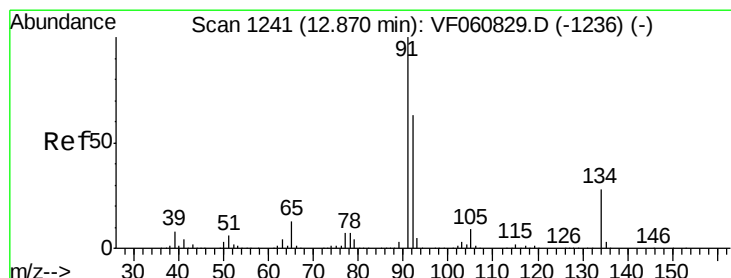
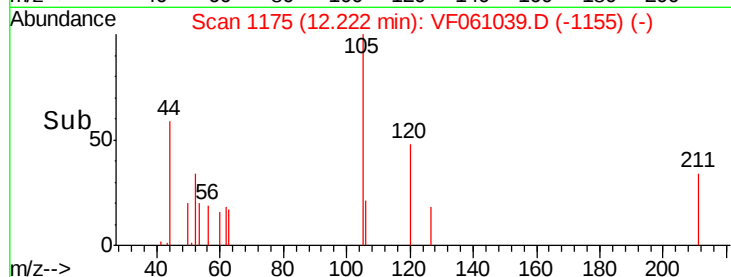
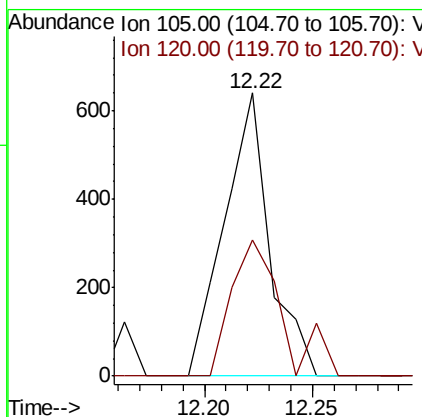
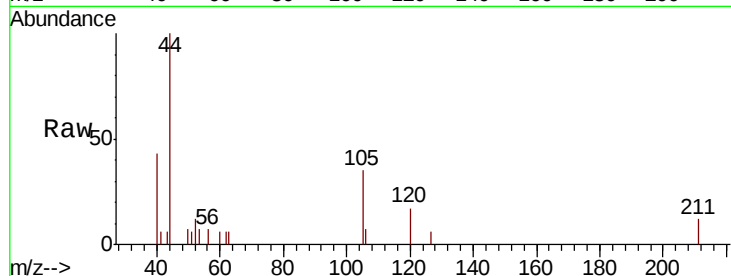




#84
 1,2,4-Trimethylbenzene
 Concen: 4.670 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF061039.D
 Acq: 17 Dec 2018 14:16

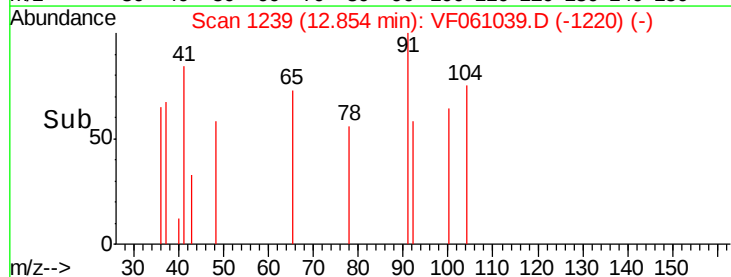
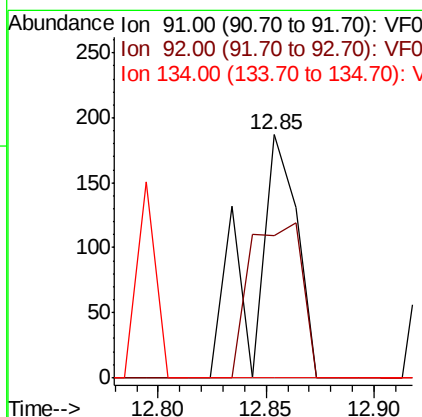
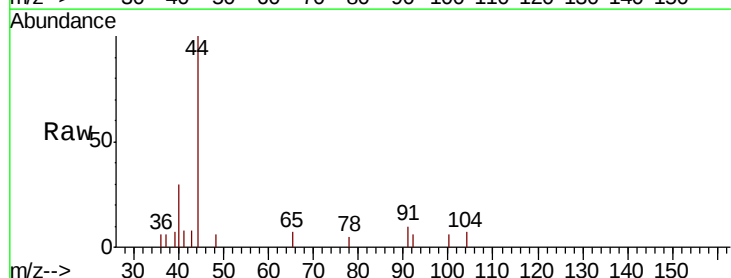
Instrument :
 MSVOA_F
 ClientSampleId :

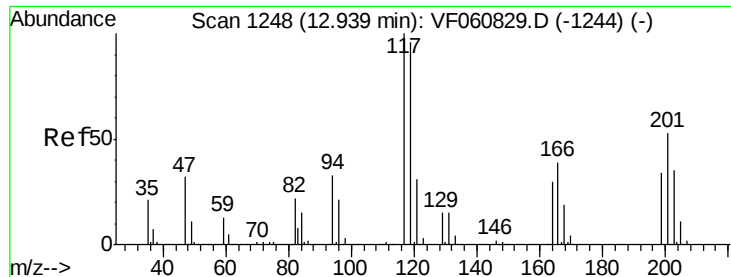
Tot Ion: 105 Resp: 938
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.5



#89
 n-Butylbenzene
 Concen: 1.118 ug/l
 RT: 12.85 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VF061039.D
 Acq: 17 Dec 2018 14:16

Tgt Ion: 91 Resp: 266
 Ion Ratio Lower Upper
 91 100
 92 58.3 31.6 94.7
 134 0.0 13.8 41.4#

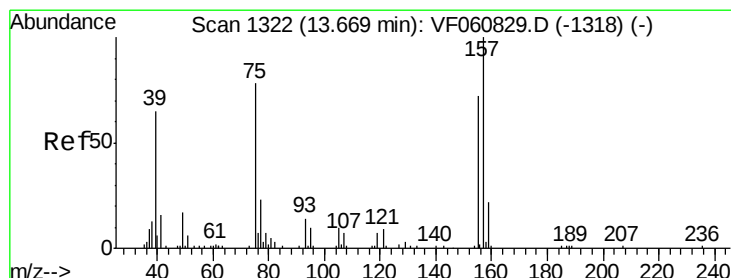
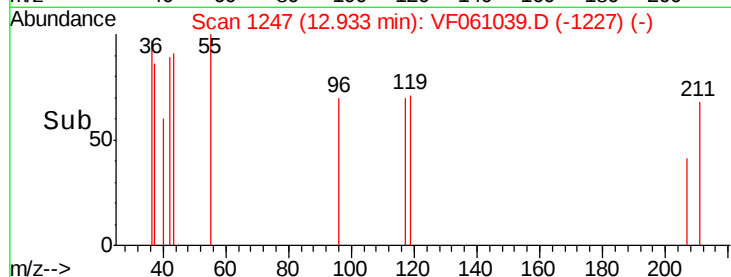
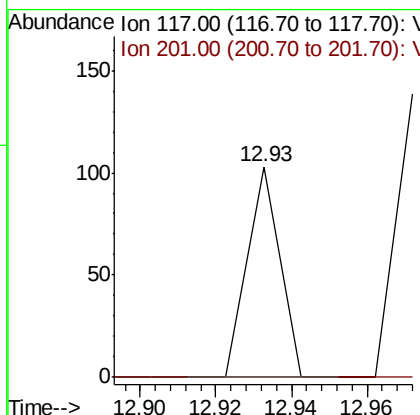
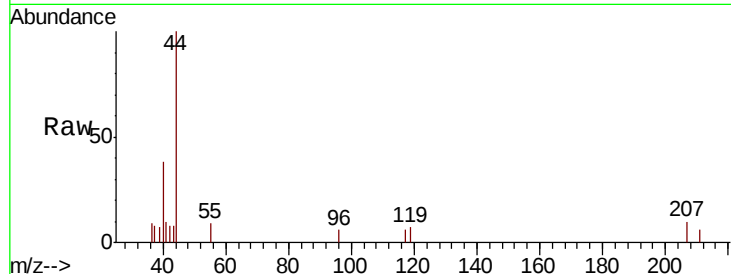




#90
Hexachloroethane
Concen: 1.077 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

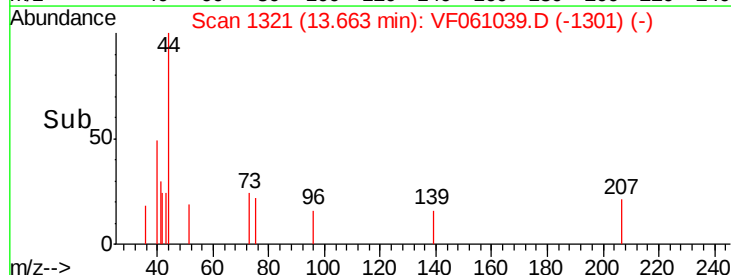
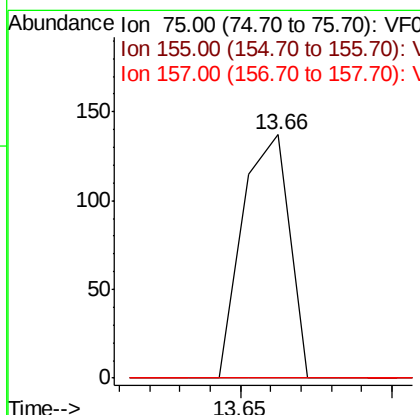
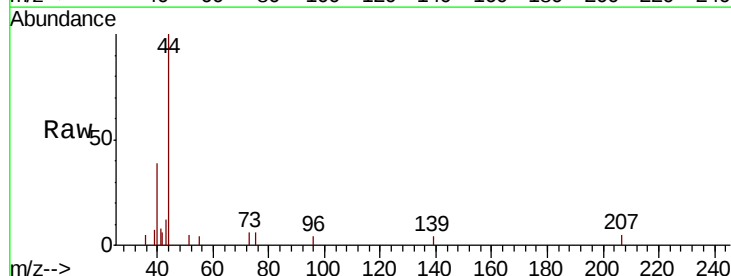
Instrument :
MSVOA_F
ClientSampleId :

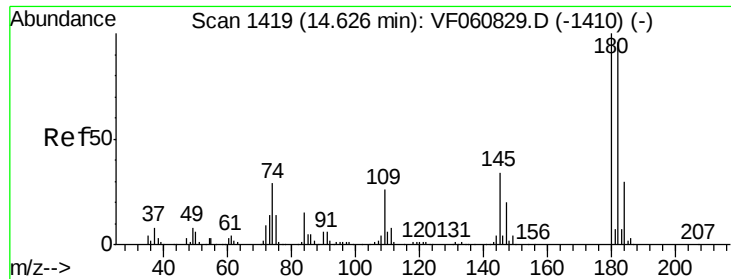
Tot Ion:117 Resp: 61
Ion Ratio Lower Upper
117 100
201 0.0 26.7 80.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.889 ug/l
RT: 13.66 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VF061039.D
Acq: 17 Dec 2018 14:16

Tgt Ion: 75 Resp: 149
Ion Ratio Lower Upper
75 100
155 0.0 45.6 136.9#
157 0.0 63.8 191.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.149 ug/l
 RT: 14.62 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VF061039.D
 Acq: 17 Dec 2018 14:16

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.8
145	0.0	17.2	51.5

