

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061840.D
 Acq On : 5 Mar 2019 1:37
 Operator : VA/AP
 Sample : K1712-15
 Misc : 6.26g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-3

Quant Time: Mar 05 05:05:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	2143	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	1974	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	880	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.56

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	83	5.28	ug/l	-0.04
Spiked Amount 50.000			Recovery =	10.56%		
35) Dibromofluoromethane	4.11	113	427	29.13	ug/l	-0.01
Spiked Amount 50.000			Recovery =	58.26%		
50) Toluene-d8	7.54	98	1830	43.43	ug/l	-0.02
Spiked Amount 50.000			Recovery =	86.86%		
62) 4-Bromofluorobenzene	11.42	95	235	13.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	27.56%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.09	85	65	2.641	ug/l #	43
3) Chloromethane	1.03	50	62	2.401	ug/l #	42
4) Vinyl Chloride	1.19	62	92	3.833	ug/l #	40
5) Bromomethane	1.29	94	602	36.439	ug/l #	3
6) Chloroethane	1.39	64	64	5.410	ug/l #	1
8) Diethyl Ether	1.66	74	70	9.594	ug/l	49
11) Tert butyl alcohol	2.61	59	100	109.953	ug/l #	1
12) 1,1-Dichloroethene	1.76	96	197	10.728	ug/l #	1
13) Acrolein	1.98	56	418	365.686	ug/l	86
14) Allyl chloride	2.12	41	388	17.219	ug/l #	57
15) Acrylonitrile	2.93	53	390	120.894	ug/l #	4
16) Acetone	2.18	43	613	181.806	ug/l	91
17) Carbon Disulfide	1.84	76	69	1.195	ug/l #	73
18) Methyl Acetate	2.34	43	879	115.724	ug/l #	59
19) Methyl tert-butyl Ether	2.40	73	60	1.912	ug/l #	1
20) Methylene Chloride	2.21	84	60	2.946	ug/l #	5
21) trans-1,2-Dichloroethene	2.31	96	66	3.306	ug/l #	1
22) Diisopropyl ether	2.76	45	1057	19.541	ug/l #	47
23) Vinyl Acetate	3.17	43	455	17.222	ug/l #	74
24) 1,1-Dichloroethane	2.85	63	66	2.016	ug/l #	86
25) 2-Butanone	4.32	43	149	20.231	ug/l #	55
26) 2,2-Dichloropropane	3.62	77	69	4.976	ug/l #	52
27) cis-1,2-Dichloroethene	3.46	96	65	2.481	ug/l	1
29) Tetrahydrofuran	4.06	42	63	18.821	ug/l #	18
31) Cyclohexane	3.64	56	69	1.947	ug/l #	16
36) 1,1-Dichloropropene	4.18	75	62	3.171	ug/l #	37
37) Ethyl Acetate	4.12	43	63	6.936	ug/l #	30
40) Benzene	4.60	78	73	1.427	ug/l #	52
41) Methacrylonitrile	4.73	41	125	26.911	ug/l #	25
43) Isopropyl Acetate	6.91	43	65	6.046	ug/l #	43
48) Methyl methacrylate	6.65	41	306	47.296	ug/l #	17
51) 4-Methyl-2-Pentanone	8.20	43	65	8.461	ug/l #	34
55) 1,1,2-Trichloroethane	8.47	97	59	6.473	ug/l #	16
58) 2-Chloroethyl Vinyl ether	7.16	63	73	41.695	ug/l #	44

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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration

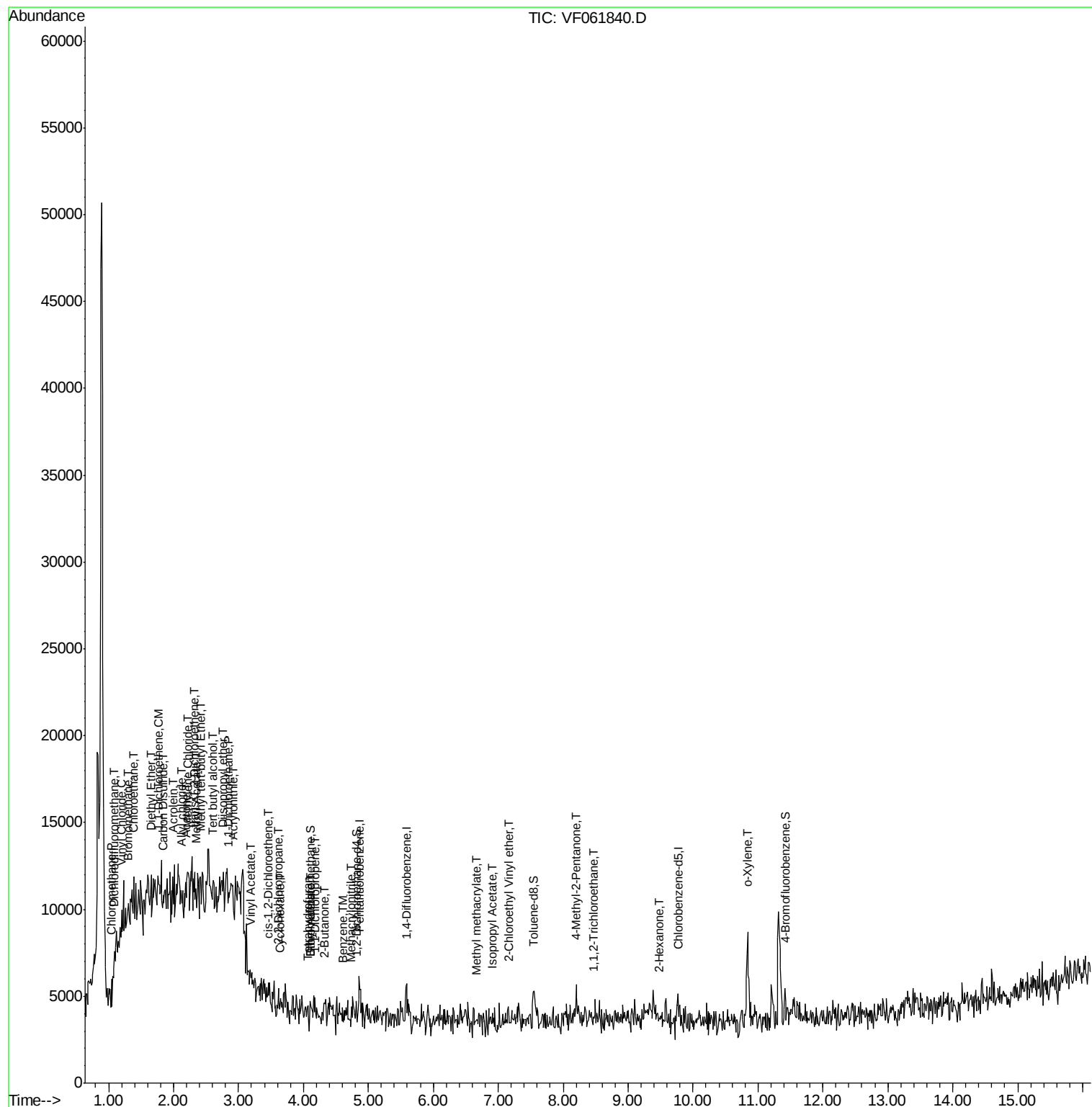
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2-Hexanone	9.47	43	153	28.413	ug/l #	23
69) o-Xylene	10.84	106	78	6.432	ug/l #	1

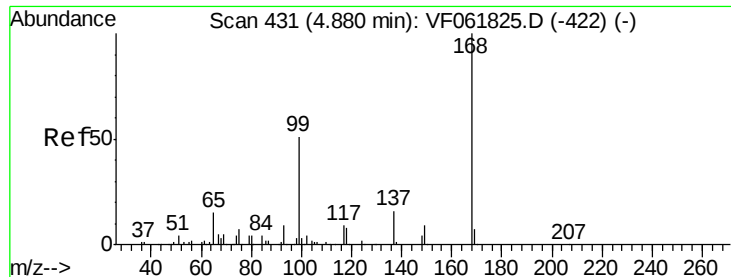
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

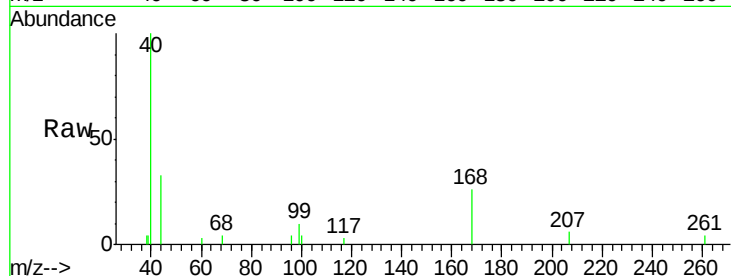
Z-2-3

Tot Ion:168 Resp: 2143

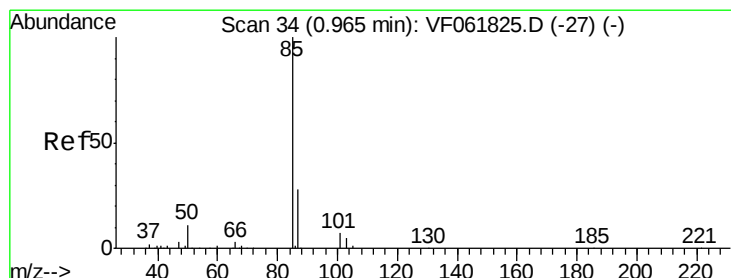
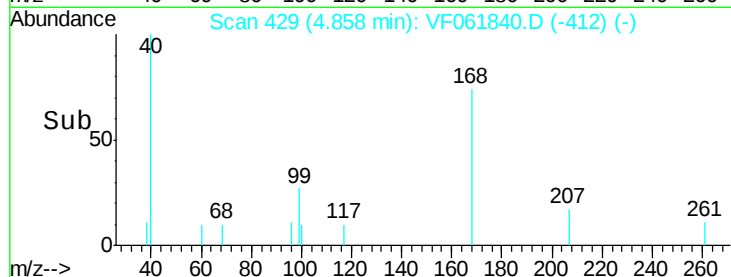
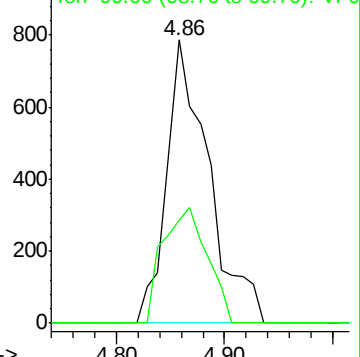
Ion Ratio Lower Upper

168 100

99 36.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 2.641 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.13 min

Lab File: VF061840.D

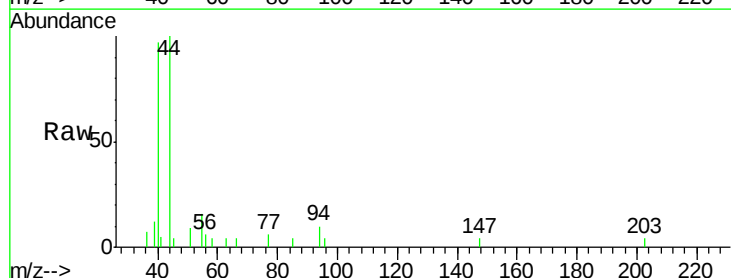
Acq: 5 Mar 2019 1:37

Tgt Ion: 85 Resp: 65

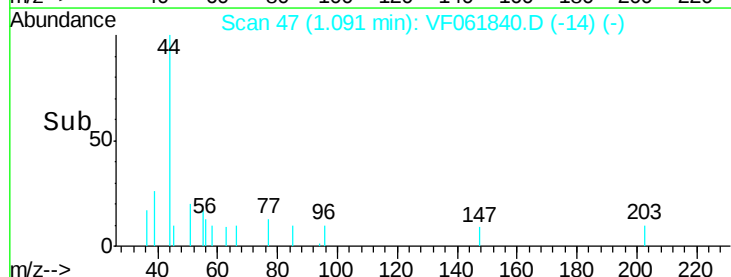
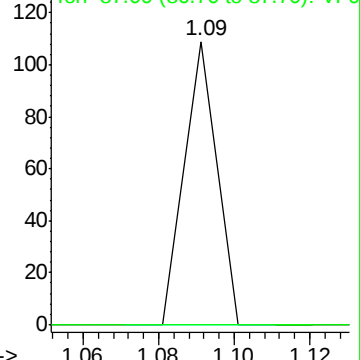
Ion Ratio Lower Upper

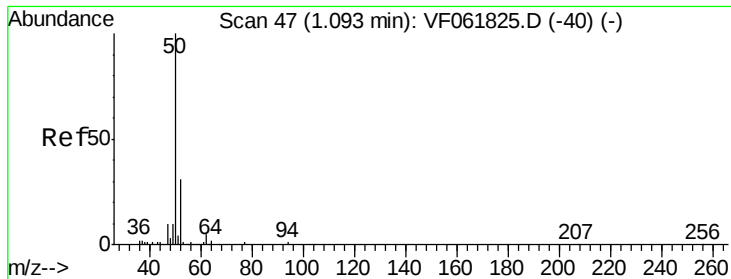
85 100

87 0.0 16.1 48.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 2.401 ug/l

RT: 1.03 min Scan# 41

Delta R.T. -0.07 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampleId :

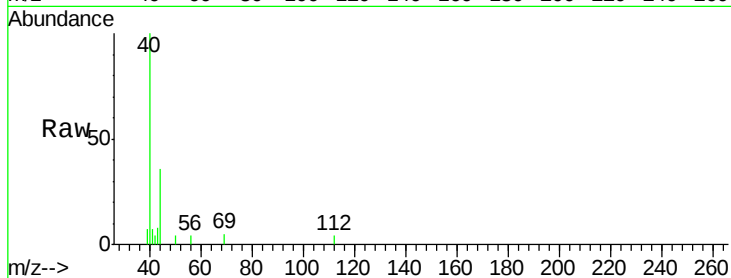
Z-2-3

Tot Ion: 50 Resp: 62

Ion Ratio Lower Upper

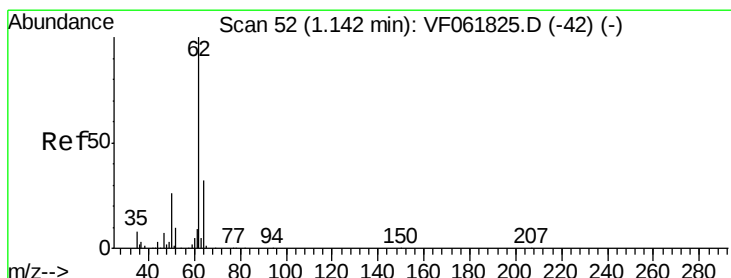
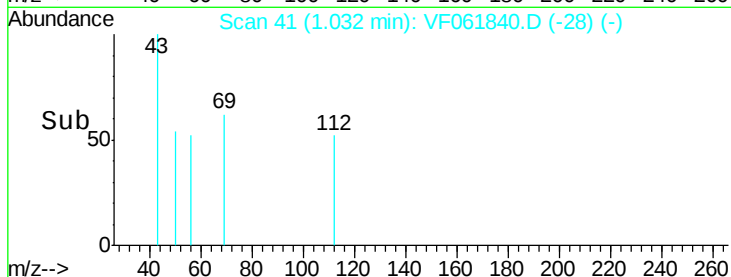
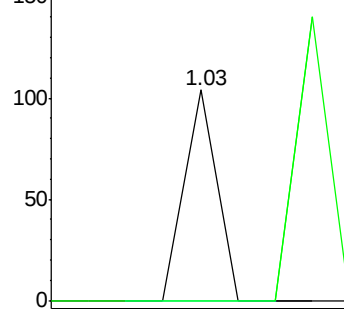
50 100

52 0.0 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 3.833 ug/l

RT: 1.19 min Scan# 57

Delta R.T. 0.05 min

Lab File: VF061840.D

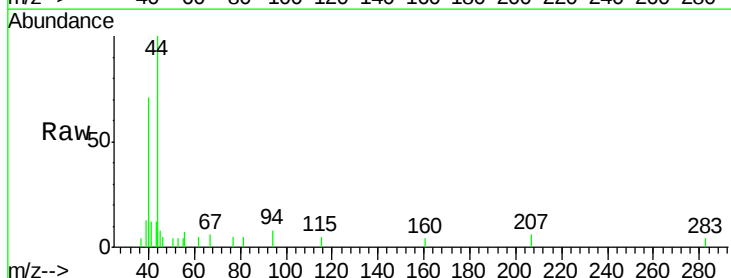
Acq: 5 Mar 2019 1:37

Tgt Ion: 62 Resp: 92

Ion Ratio Lower Upper

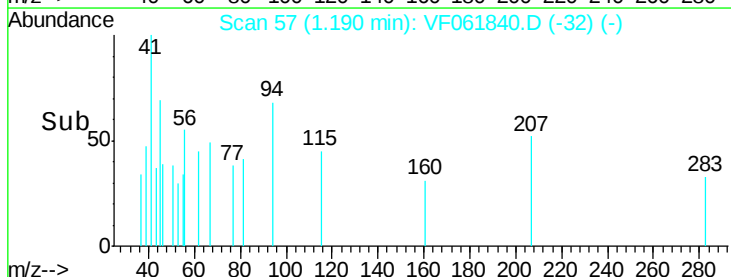
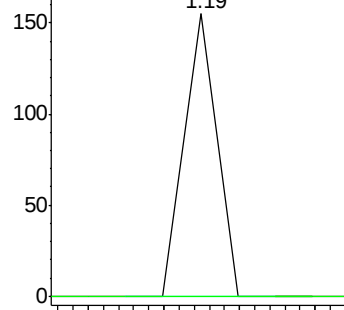
62 100

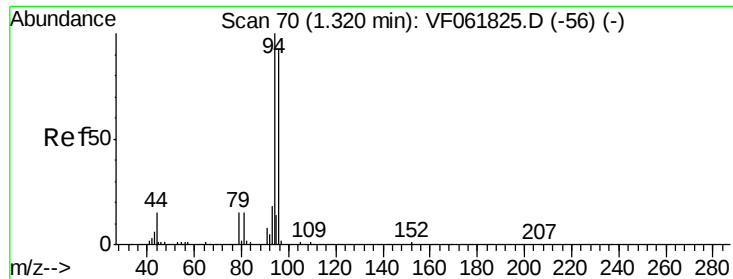
64 0.0 27.5 41.3#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 36.439 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.03 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

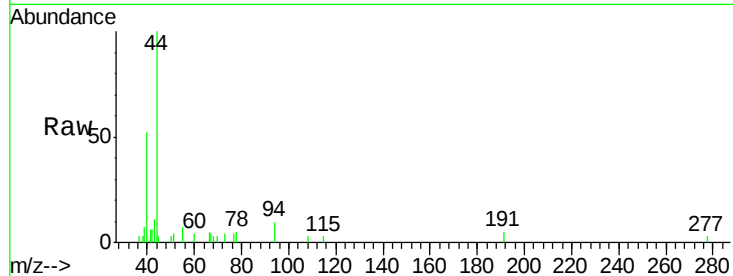
Z-2-3

Tot Ion: 94 Resp: 602

Ion Ratio Lower Upper

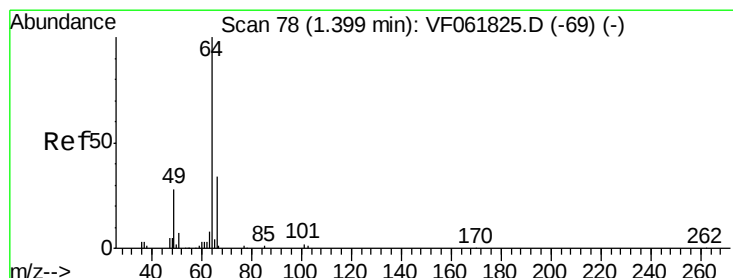
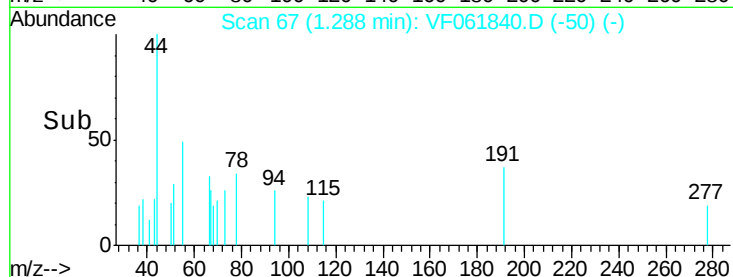
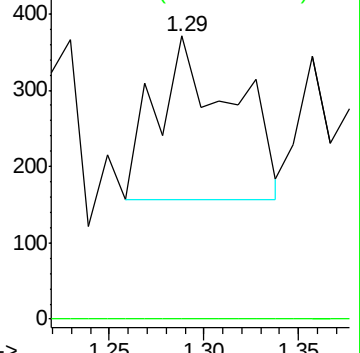
94 100

96 0.0 74.6 112.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 5.410 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061840.D

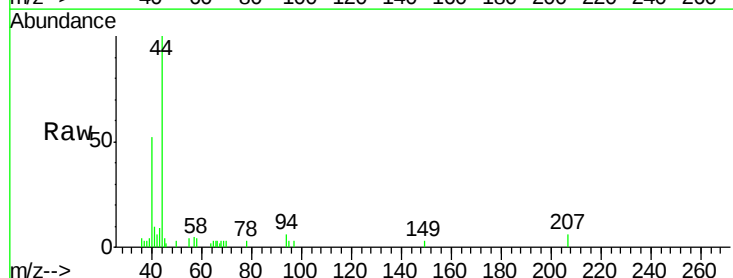
Acq: 5 Mar 2019 1:37

Tgt Ion: 64 Resp: 64

Ion Ratio Lower Upper

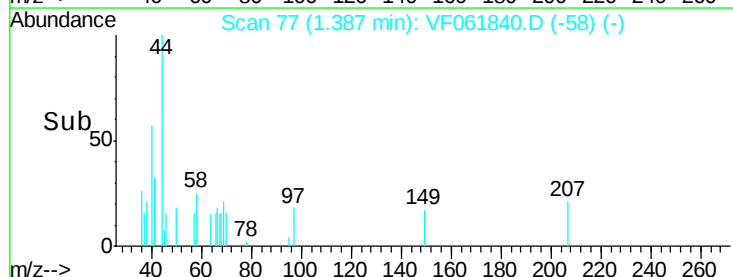
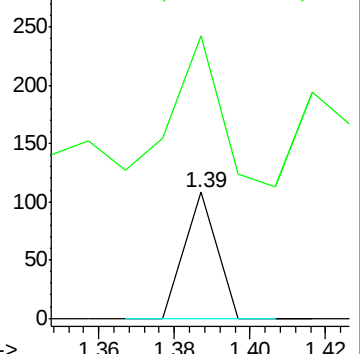
64 100

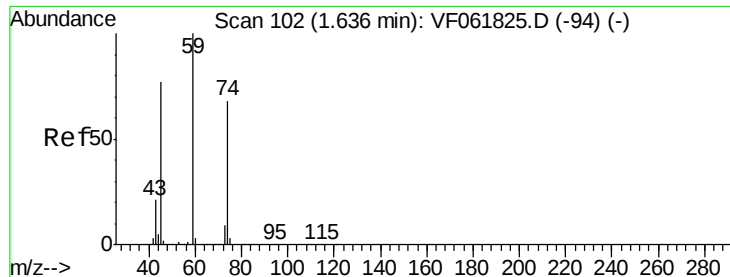
66 225.0 27.9 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 9.594 ug/l

RT: 1.66 min Scan# 105

Delta R.T. 0.03 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

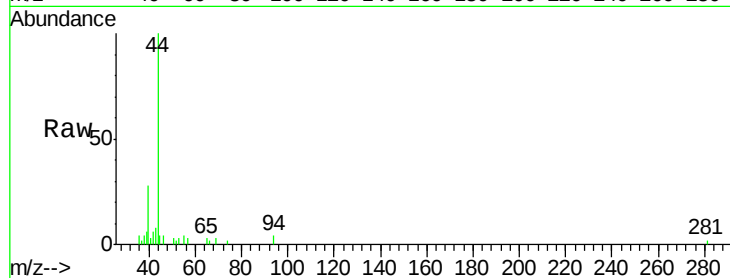
Z-2-3

Tot Ion: 74 Resp: 70

Ion Ratio Lower Upper

74 100

45 179.0 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

500

400

300

200

100

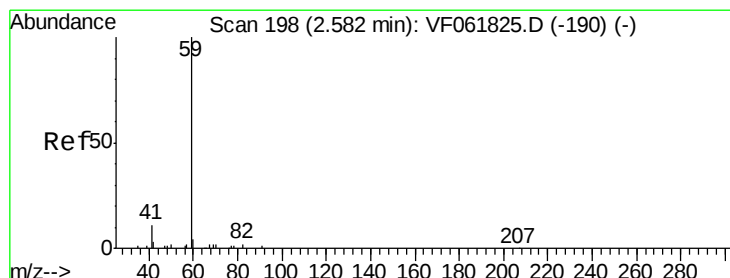
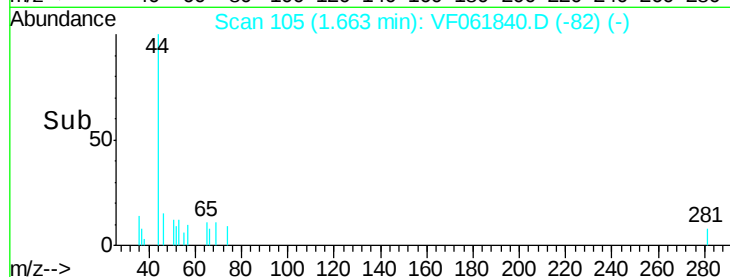
0

1.64

1.66

1.68

Time-->



#11

Tert butyl alcohol

Concen: 109.953 ug/l

RT: 2.61 min Scan# 201

Delta R.T. 0.03 min

Lab File: VF061840.D

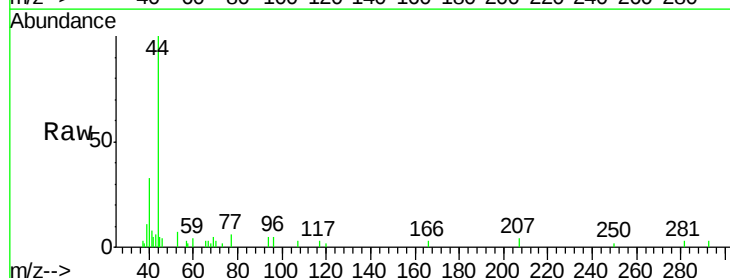
Acq: 5 Mar 2019 1:37

Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

59 100

57 158.0 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

300

250

200

150

100

50

0

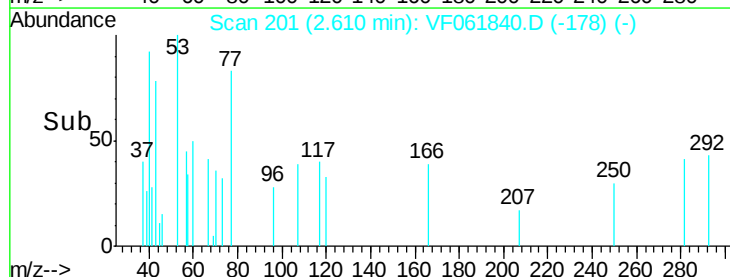
2.58

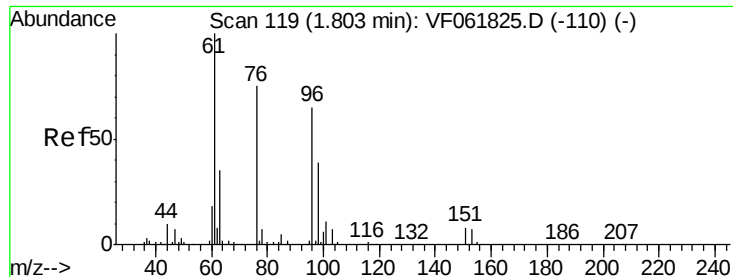
2.60

2.62

2.64

Time-->

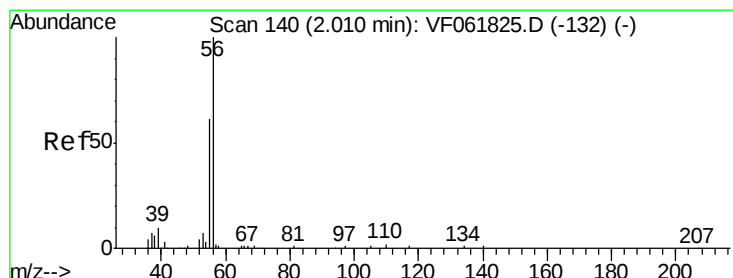
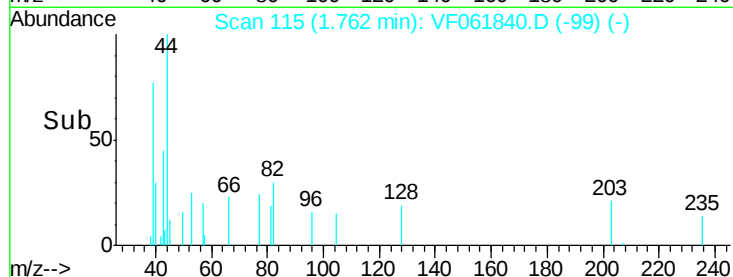
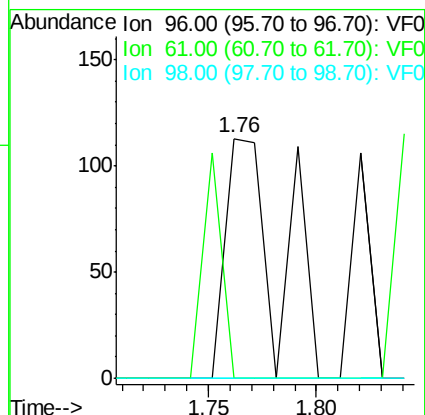
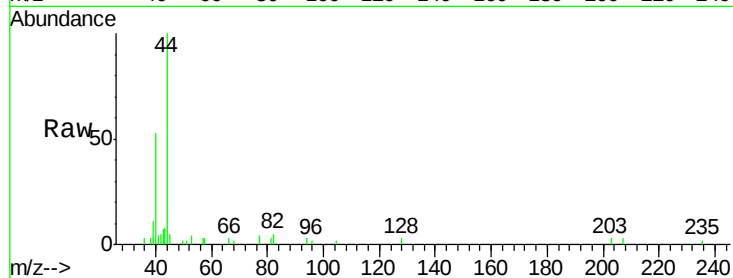




#12
 1,1-Dichloroethene
 Concen: 10.728 ug/l
 RT: 1.76 min Scan# 115
 Delta R.T. -0.04 min
 Lab File: VF061840.D
 Acq: 5 Mar 2019 1:37

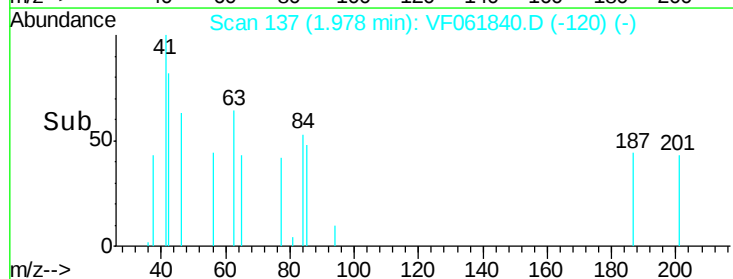
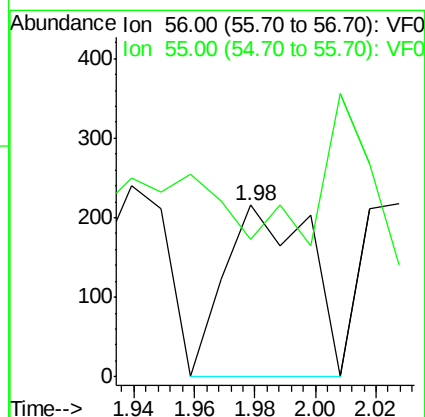
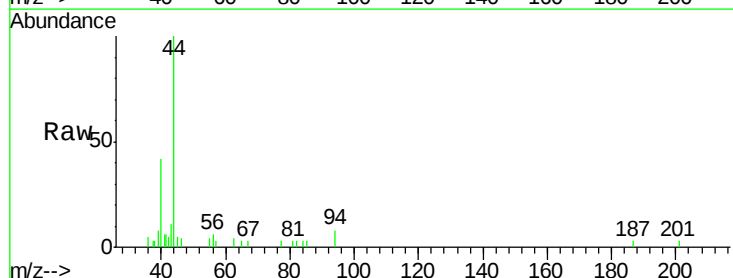
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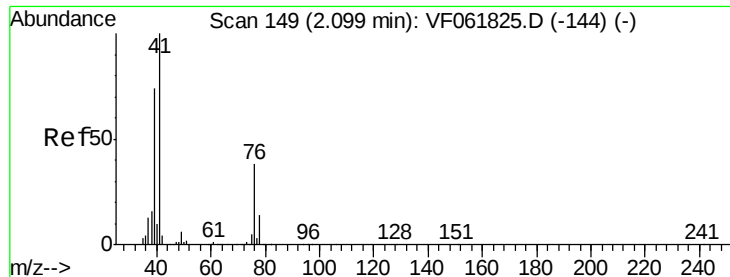
Tot Ion: 96 Resp: 197
 Ion Ratio Lower Upper
 96 100
 61 0.0 122.6 184.0#
 98 0.0 47.2 70.8#



#13
 Acrolein
 Concen: 365.686 ug/l
 RT: 1.98 min Scan# 137
 Delta R.T. -0.03 min
 Lab File: VF061840.D
 Acq: 5 Mar 2019 1:37

Tgt Ion: 56 Resp: 418
 Ion Ratio Lower Upper
 56 100
 55 80.1 55.0 82.6





#14

Allvl chloride

Concen: 17.219 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.02 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

Z-2-3

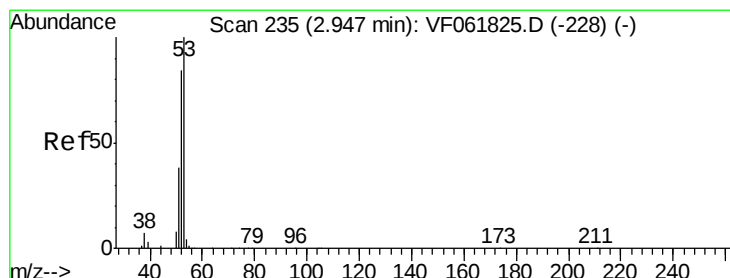
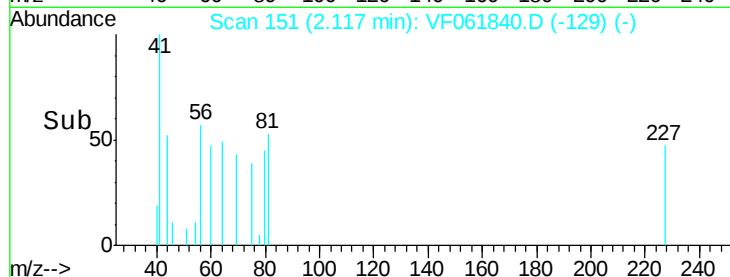
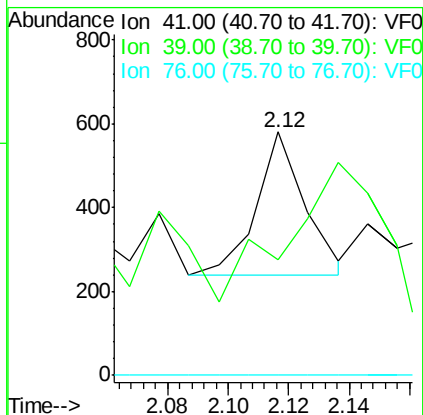
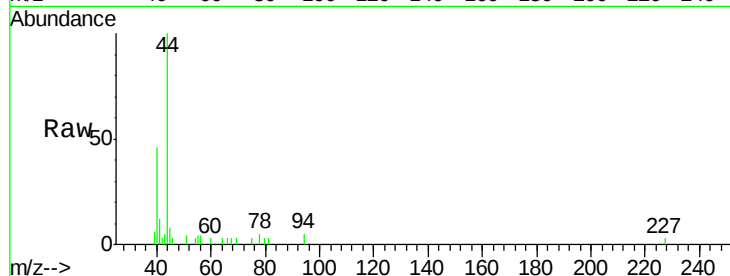
Tot Ion: 41 Resp: 388

Ion Ratio Lower Upper

41 100

39 47.7 61.6 92.4#

76 0.0 30.3 45.5#



#15

Acrylonitrile

Concen: 120.894 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

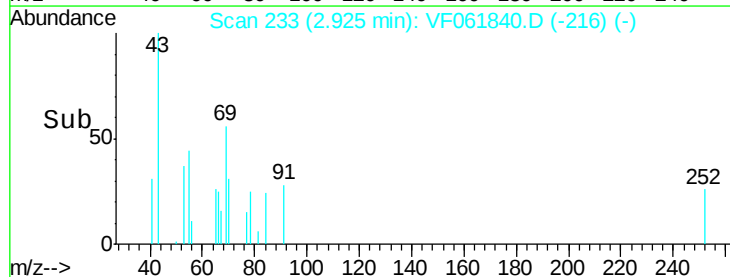
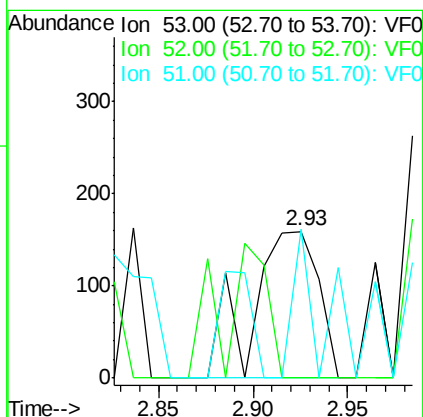
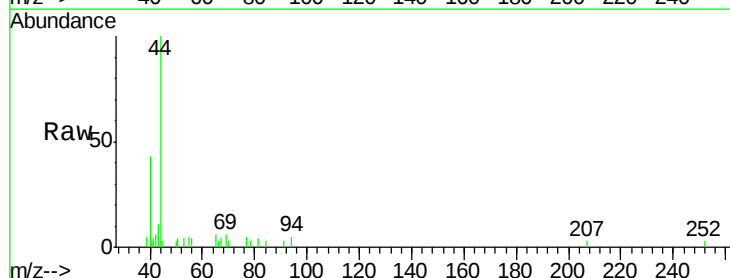
Tgt Ion: 53 Resp: 390

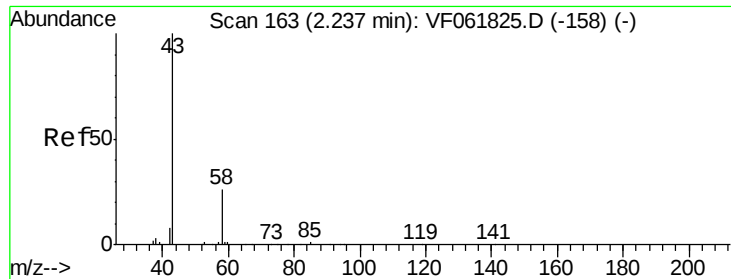
Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

51 101.3 29.8 44.8#





#16

Acetone

Concen: 181.806 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.07 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

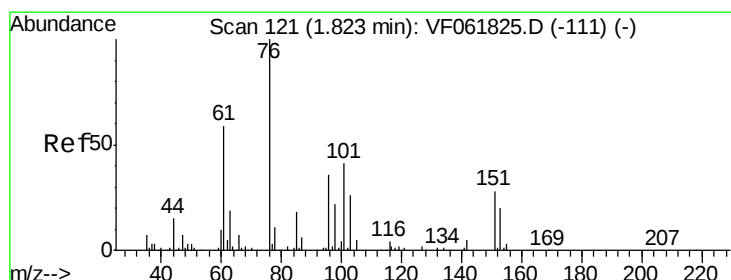
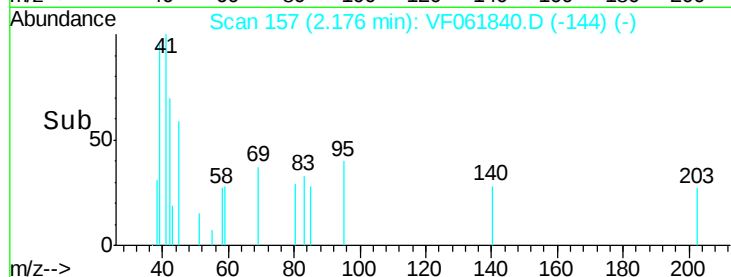
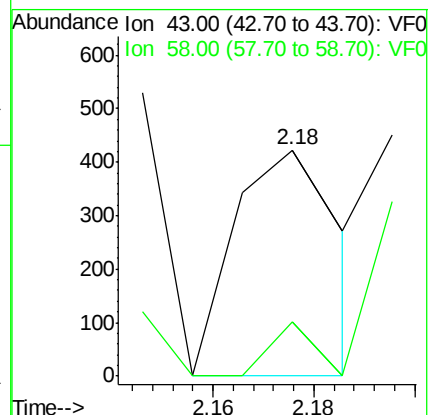
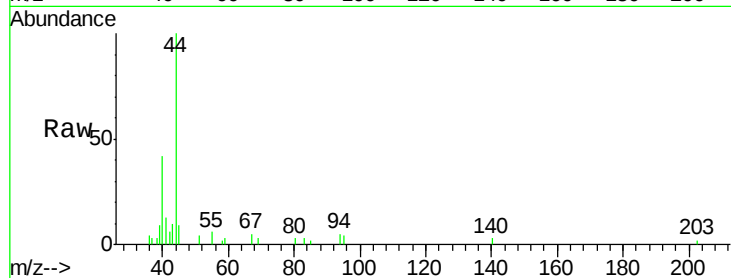
Z-2-3

Tot Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

58 23.9 22.9 34.3



#17

Carbon Disulfide

Concen: 1.195 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061840.D

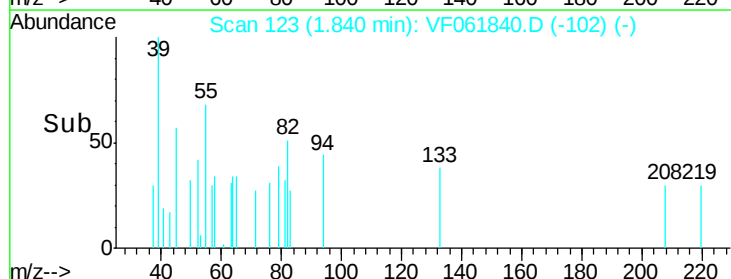
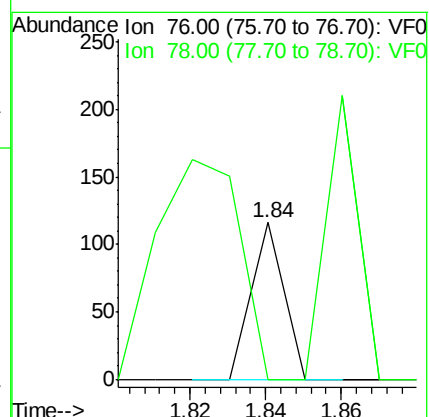
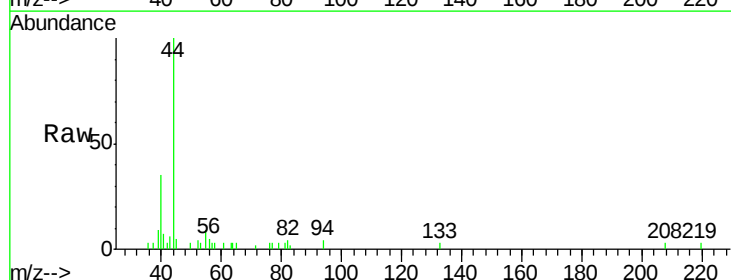
Acq: 5 Mar 2019 1:37

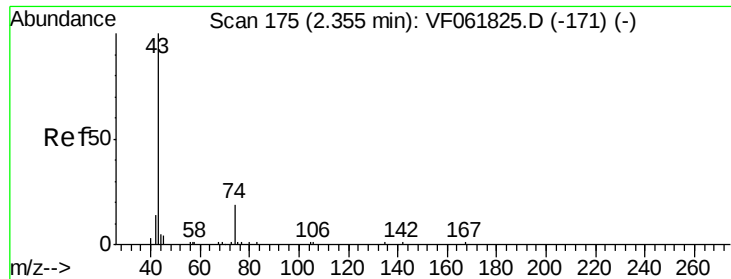
Tgt Ion: 76 Resp: 69

Ion Ratio Lower Upper

76 100

78 0.0 7.9 11.9#

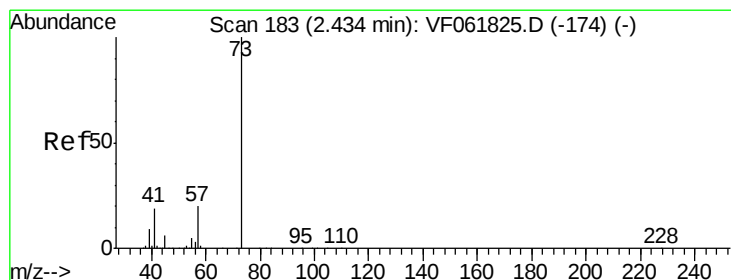
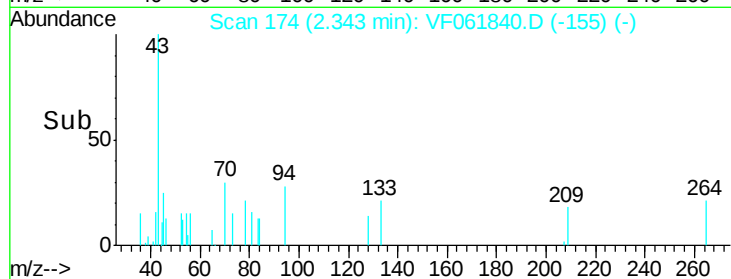
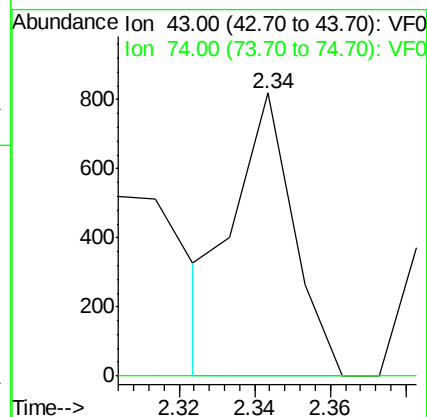
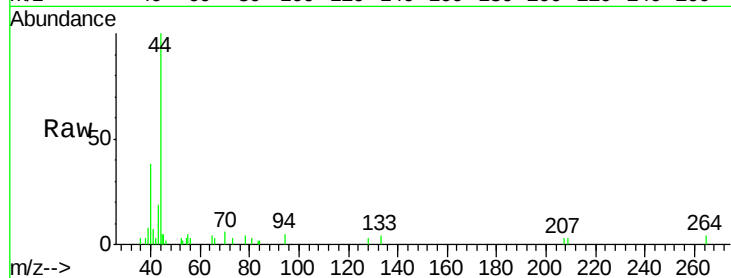




#18
Methyl Acetate
Concen: 115.724 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061840.D
Acq: 5 Mar 2019 1:37

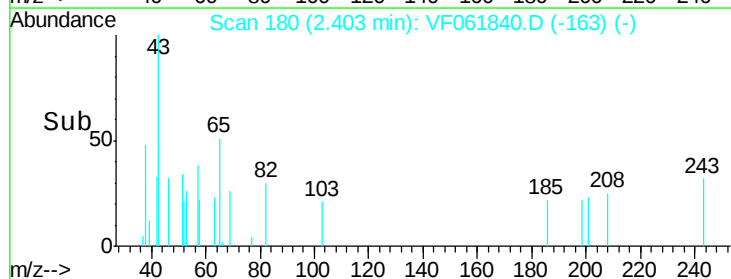
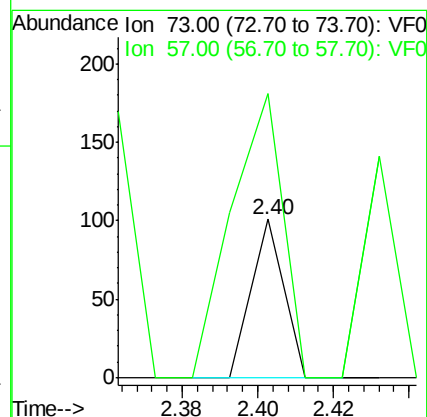
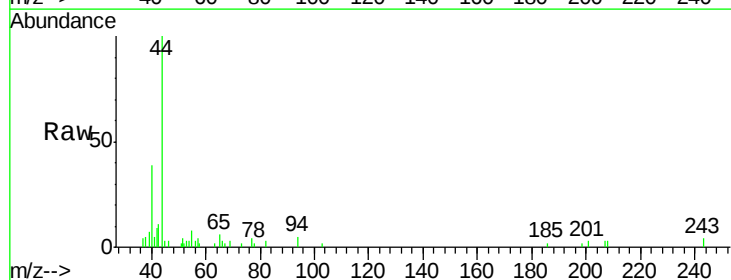
Instrument :
MSVOA_F
ClientSampleId :
Z-2-3

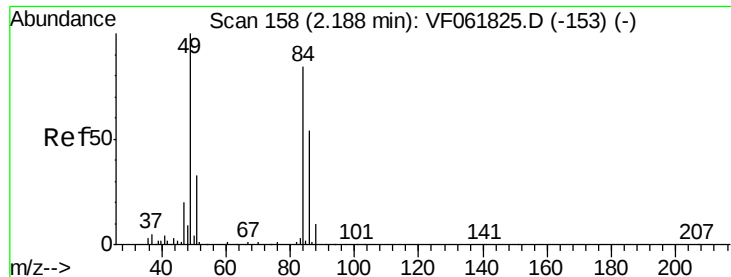
Tot Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#19
Methyl tert-butyl Ether
Concen: 1.912 ug/l
RT: 2.40 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF061840.D
Acq: 5 Mar 2019 1:37

Tgt Ion: 73 Resp: 60
Ion Ratio Lower Upper
73 100
57 179.2 15.8 23.8#

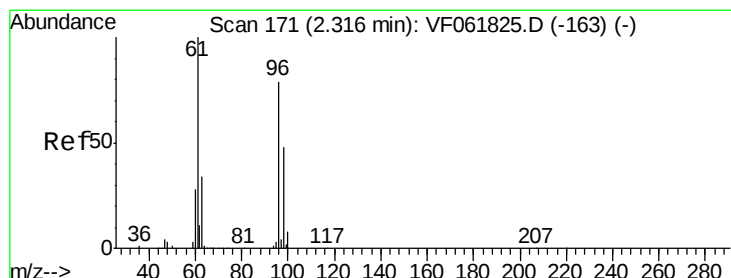
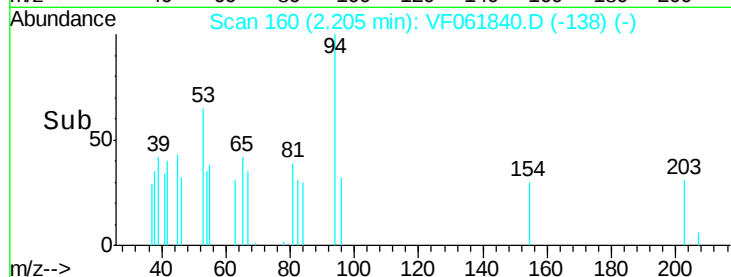
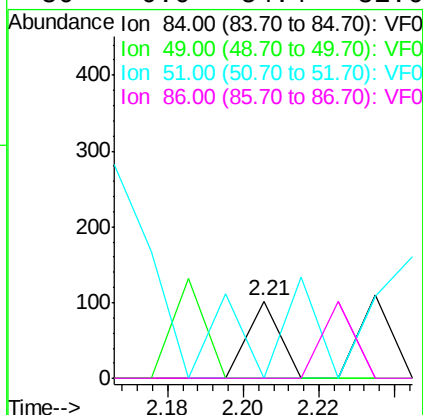
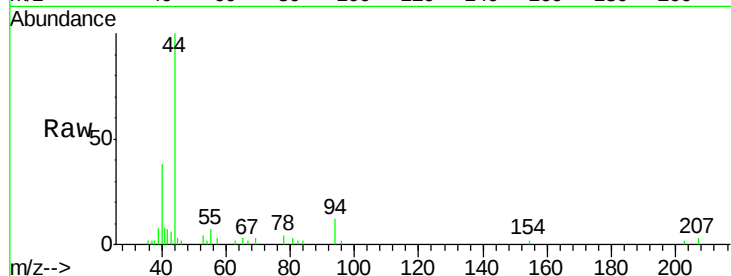




#20
Methvlene Chloride
Concen: 2.946 ug/l
RT: 2.21 min Scan# 160
Delta R.T. 0.02 min
Lab File: VF061840.D
Acq: 5 Mar 2019 1:37

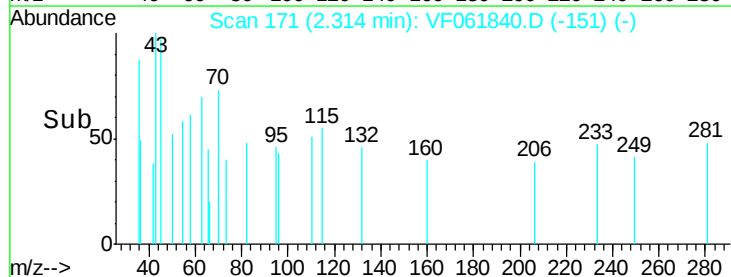
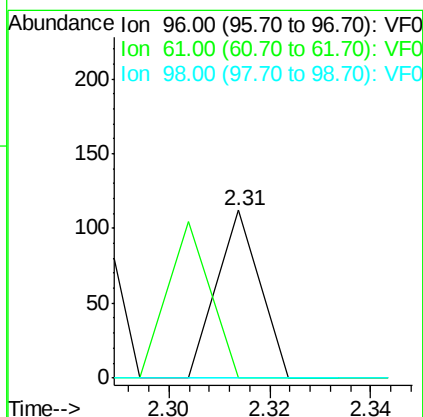
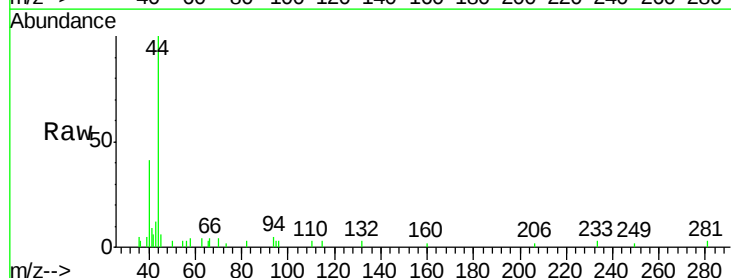
Instrument :
MSVOA_F
ClientSampled :
Z-2-3

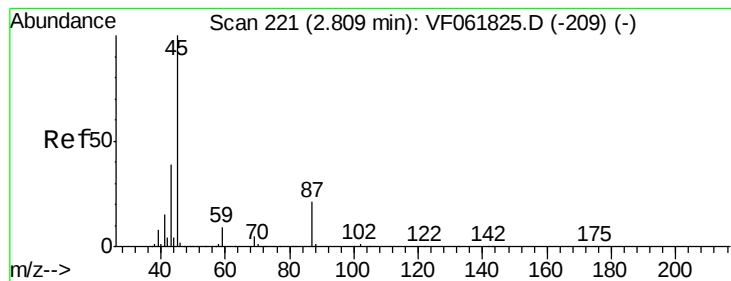
Tot Ion: 84 Resp: 60
Ion Ratio Lower Upper
84 100
49 0.0 101.8 152.8#
51 0.0 31.1 46.7#
86 0.0 54.4 81.6#



#21
trans-1,2-Dichloroethene
Concen: 3.306 ug/l
RT: 2.31 min Scan# 171
Delta R.T. -0.00 min
Lab File: VF061840.D
Acq: 5 Mar 2019 1:37

Tgt Ion: 96 Resp: 66
Ion Ratio Lower Upper
96 100
61 0.0 108.2 162.4#
98 0.0 52.2 78.2#





#22

Diisopropyl ether

Concen: 19.541 ug/l

RT: 2.76 min Scan# 216

Delta R.T. -0.05 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampleId :

Z-2-3

Tot Ion: 45 Resp: 1057

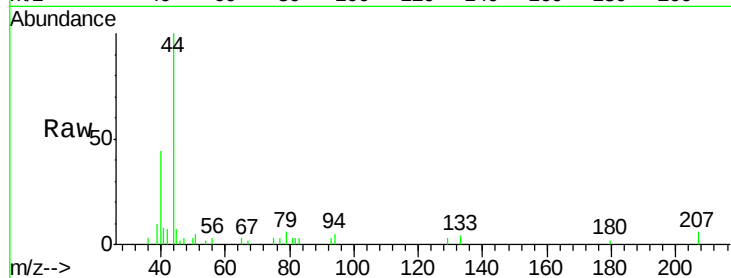
Ion Ratio Lower Upper

45 100

43 0.0 31.4 47.2#

87 0.0 16.3 24.5#

59 0.0 8.7 13.1#

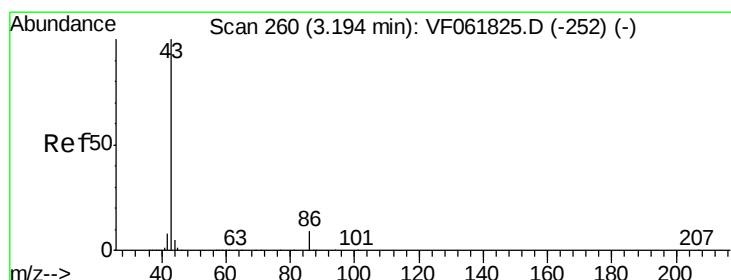
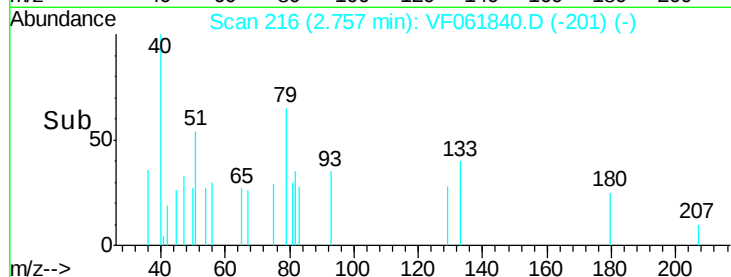
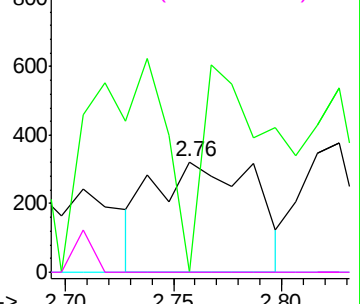


Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 17.222 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061840.D

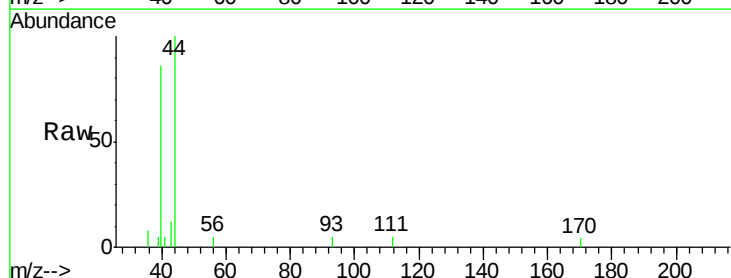
Acq: 5 Mar 2019 1:37

Tgt Ion: 43 Resp: 455

Ion Ratio Lower Upper

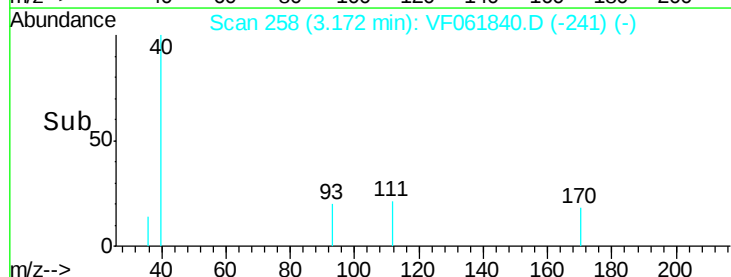
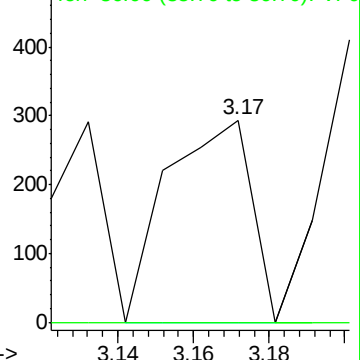
43 100

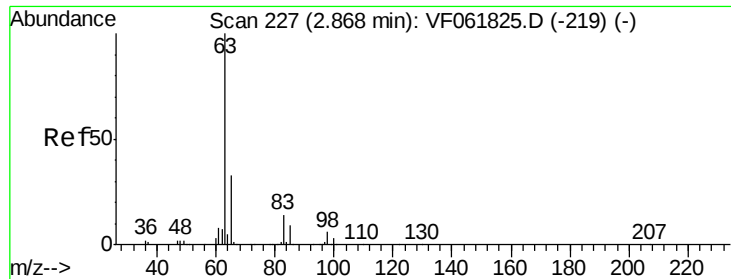
86 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 2.016 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.03 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

Z-2-3

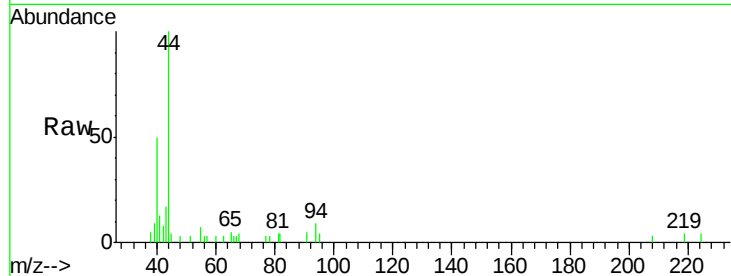
Tot Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

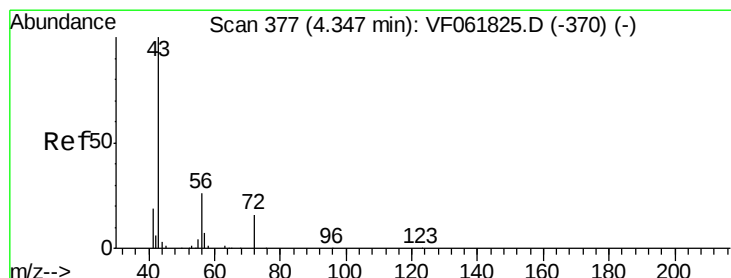
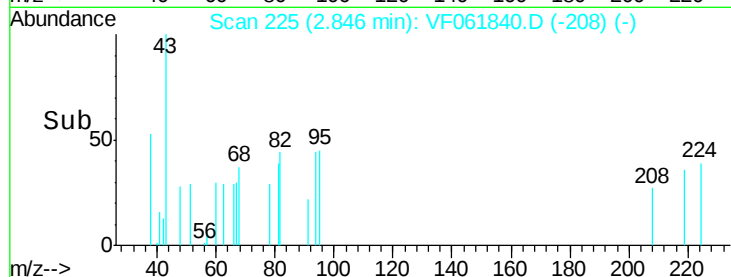
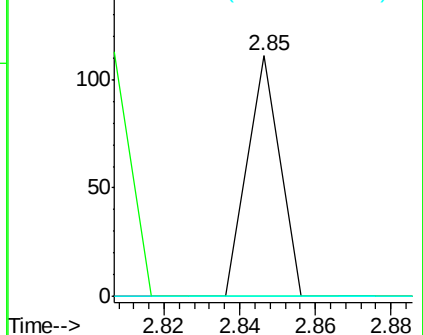
100 0.0 1.8 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 20.231 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061840.D

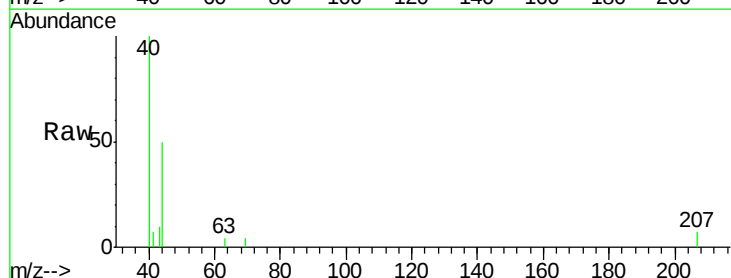
Acq: 5 Mar 2019 1:37

Tgt Ion: 43 Resp: 149

Ion Ratio Lower Upper

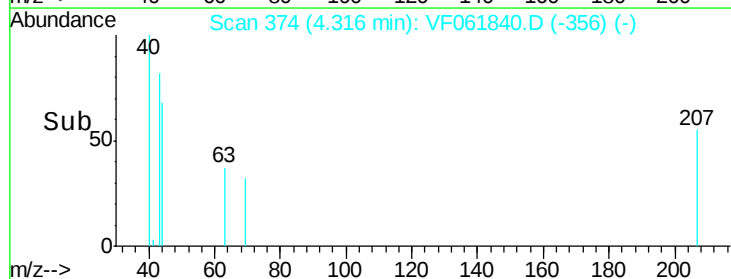
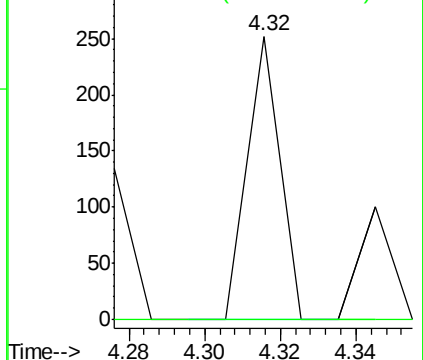
43 100

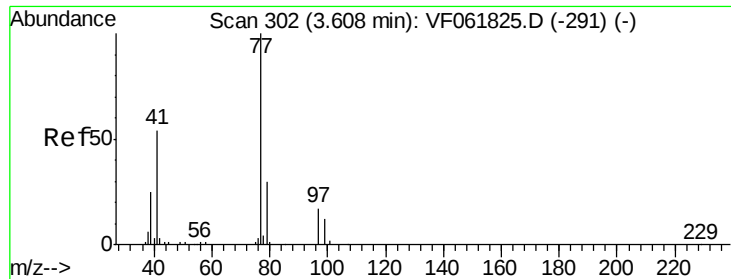
72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 4.976 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

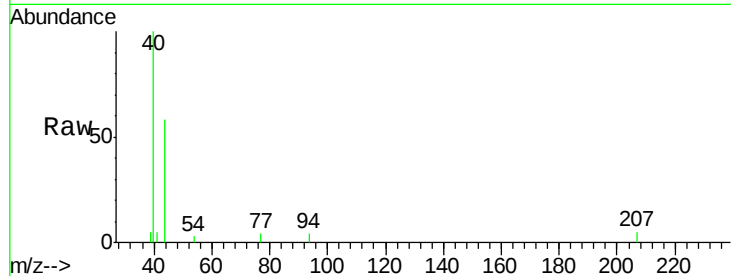
Z-2-3

Tot Ion: 77 Resp: 69

Ion Ratio Lower Upper

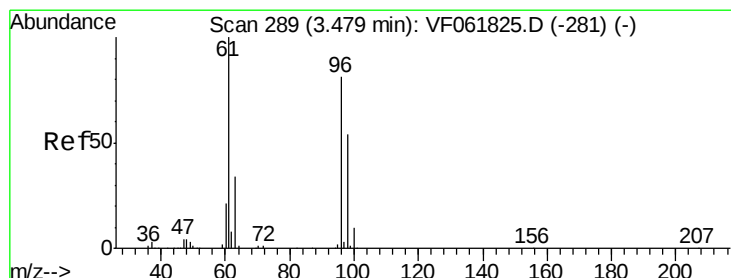
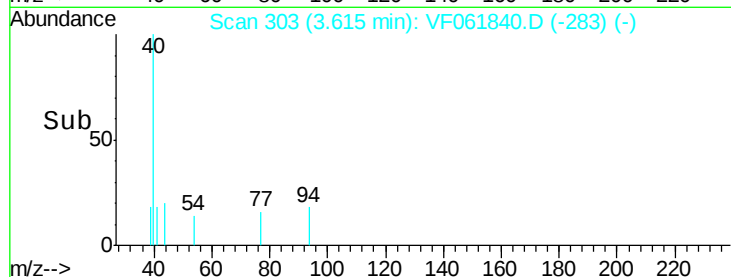
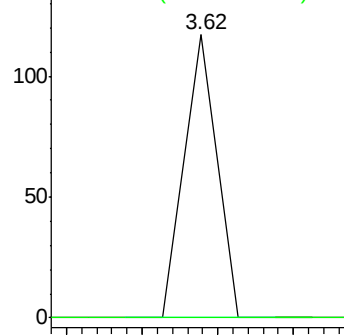
77 100

97 0.0 11.7 35.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#27

cis-1,2-Dichloroethene

Concen: 2.481 ug/l

RT: 3.46 min Scan# 287

Delta R.T. -0.03 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

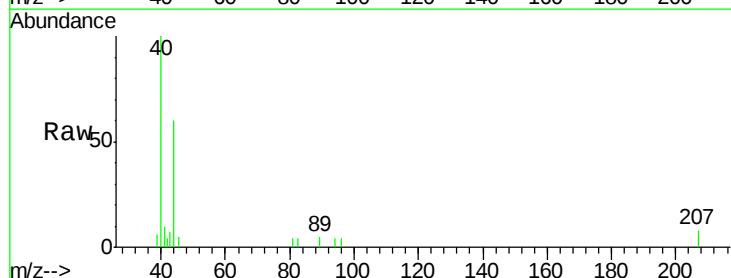
Tgt Ion: 96 Resp: 65

Ion Ratio Lower Upper

96 100

61 0.0 0.0 241.6

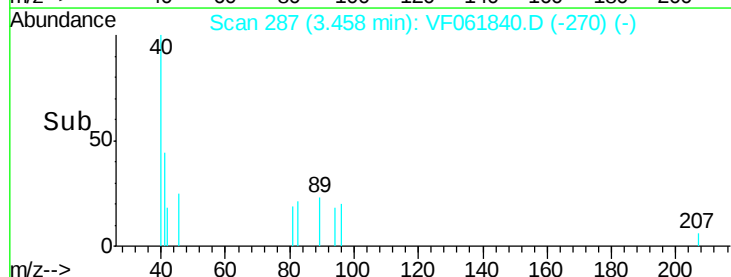
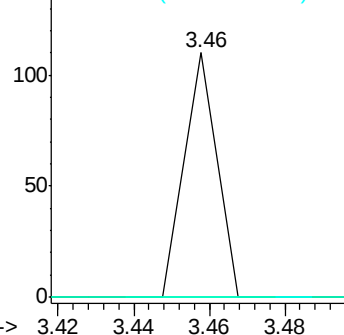
98 0.0 0.0 130.2

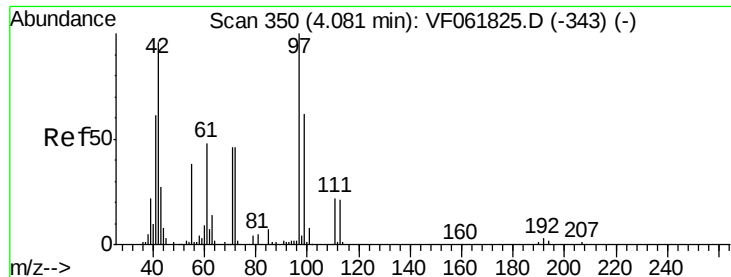


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#29

Tetrahydrofuran

Concen: 18.821 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampleId :

Z-2-3

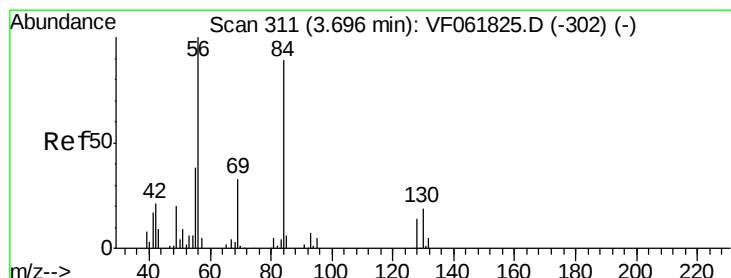
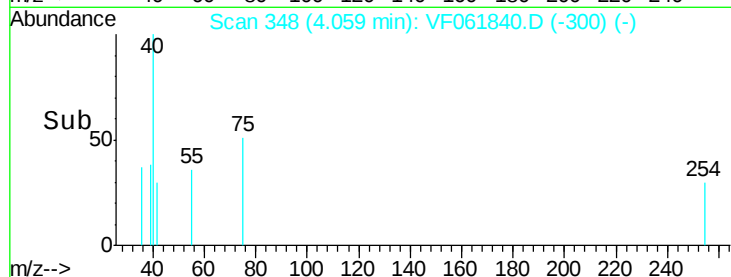
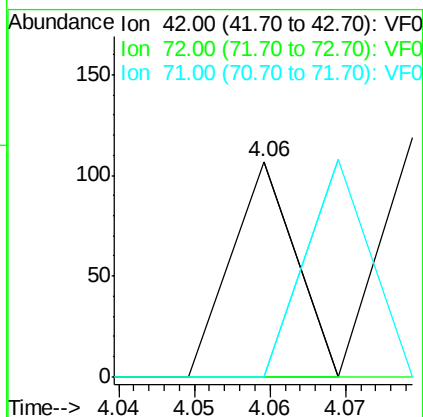
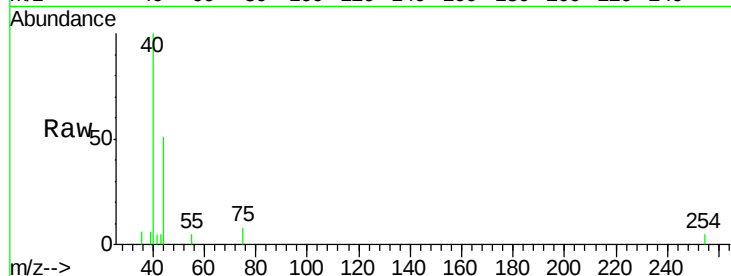
Tot Ion: 42 Resp: 63

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 101.6 32.9 49.3#



#31

Cyclohexane

Concen: 1.947 ug/l

RT: 3.64 min Scan# 306

Delta R.T. -0.06 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

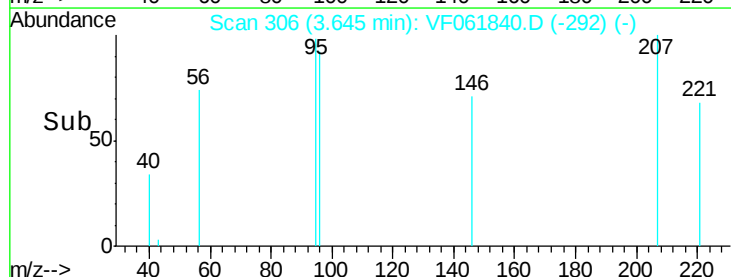
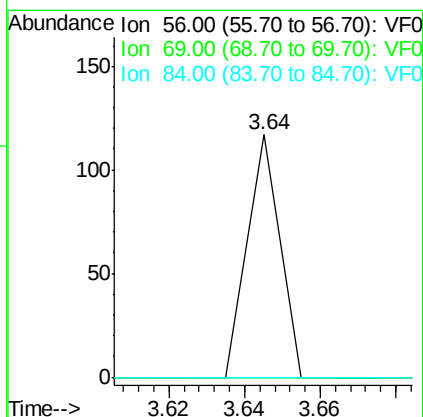
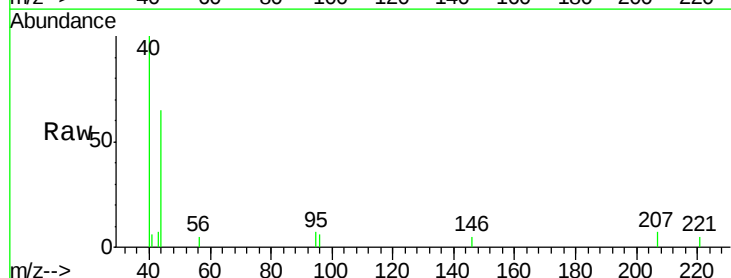
Tgt Ion: 56 Resp: 69

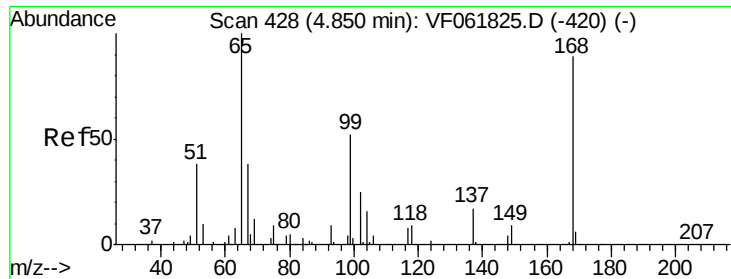
Ion Ratio Lower Upper

56 100

69 0.0 23.8 35.8#

84 0.0 68.6 103.0#

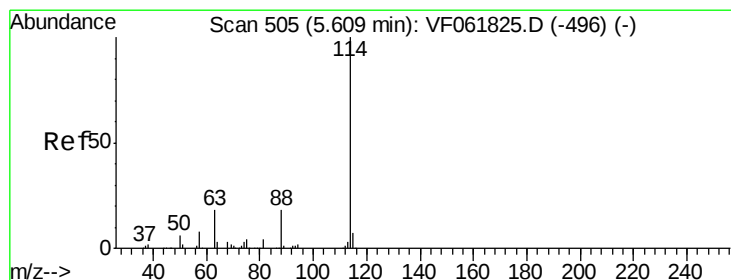
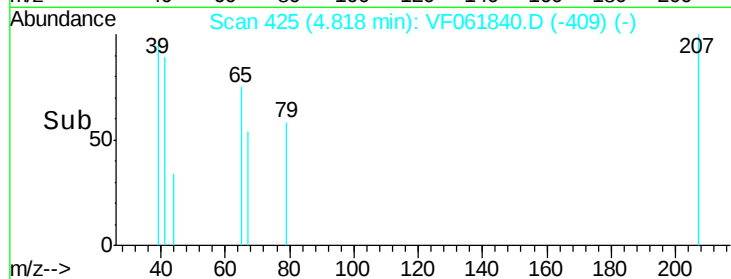
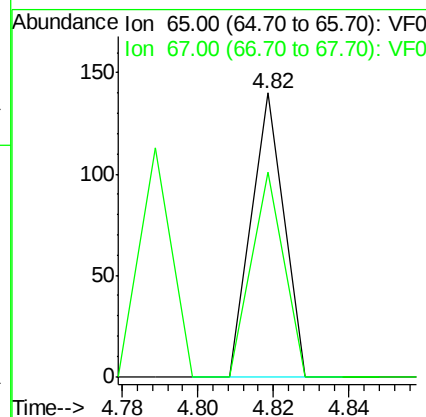
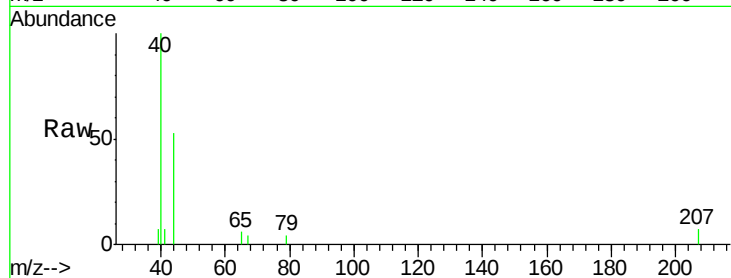




#33
 1,2-Dichloroethane-d4
 Concen: 5.282 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF061840.D
 Acq: 5 Mar 2019 1:37

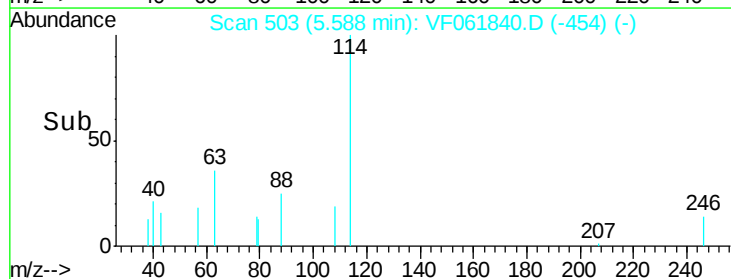
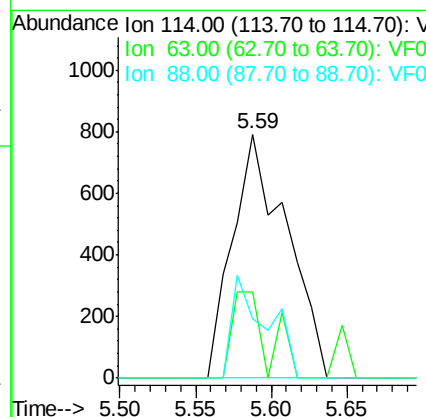
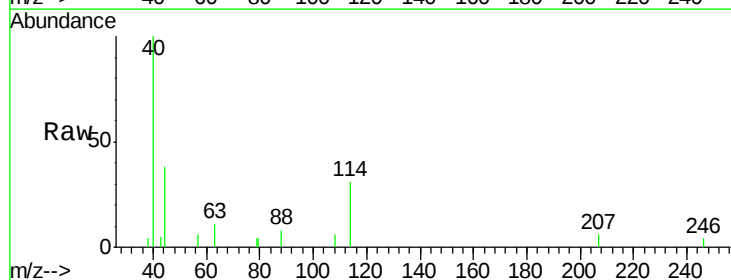
Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-3

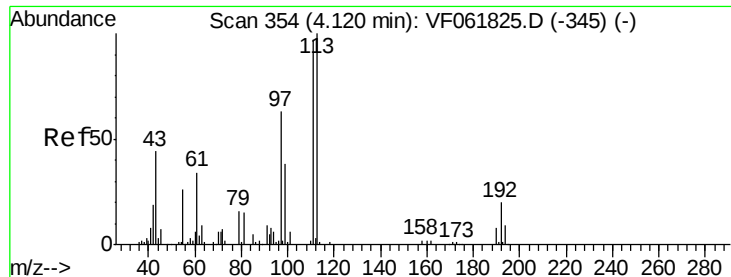
Tot Ion: 65 Resp: 83
 Ion Ratio Lower Upper
 65 100
 67 72.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061840.D
 Acq: 5 Mar 2019 1:37

Tgt Ion: 114 Resp: 1974
 Ion Ratio Lower Upper
 114 100
 63 35.5 0.0 36.6
 88 24.5 0.0 34.4





#35

Dibromofluoromethane

Concen: 29.129 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampleId :

Z-2-3

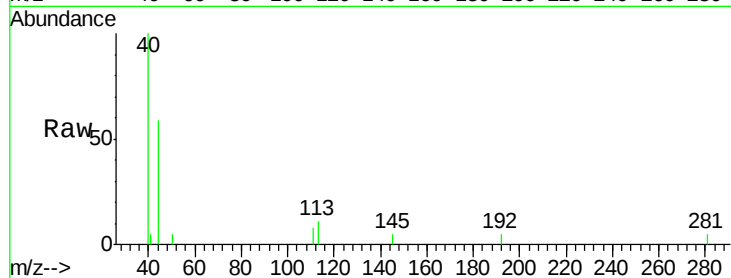
Tot Ion:113 Resp: 427

Ion Ratio Lower Upper

113 100

111 66.8 78.8 118.2#

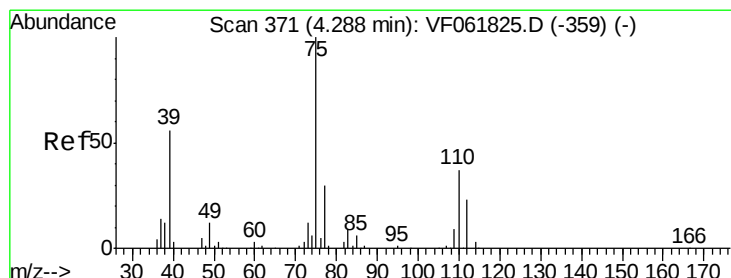
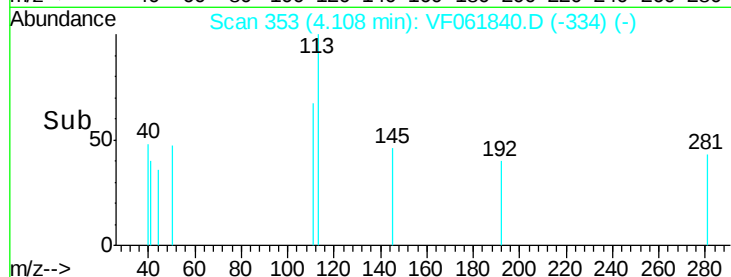
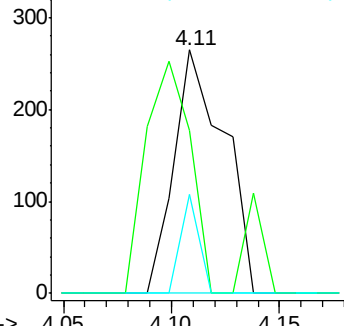
192 40.4 13.4 20.0#



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



#36

1,1-Dichloropropene

Concen: 3.171 ug/l

RT: 4.18 min Scan# 360

Delta R.T. -0.12 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

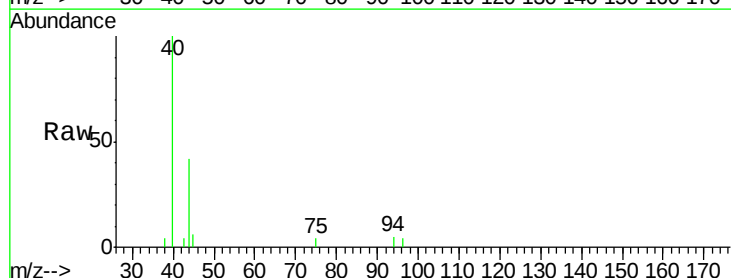
Tgt Ion: 75 Resp: 62

Ion Ratio Lower Upper

75 100

110 0.0 20.5 61.6#

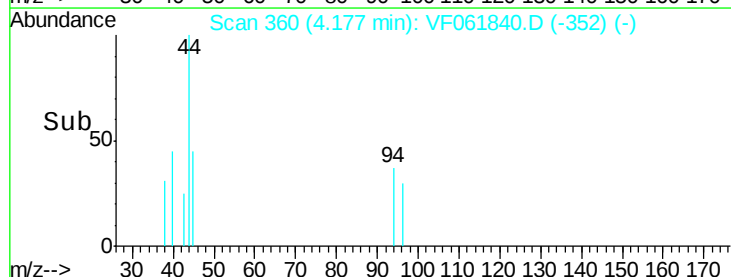
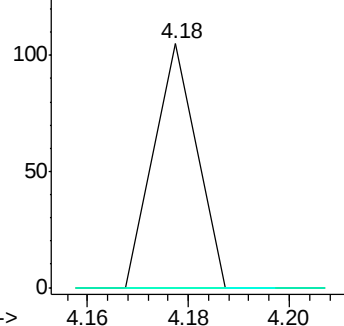
77 0.0 27.0 40.4#

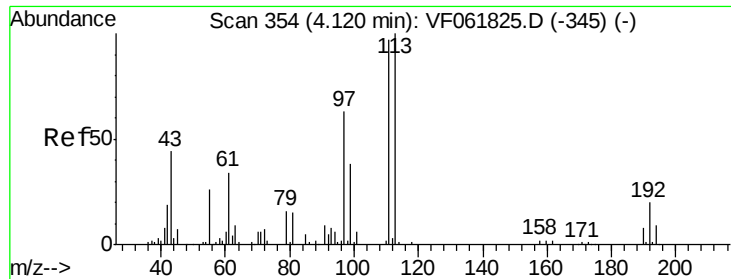


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 6.936 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampleId :

Z-2-3

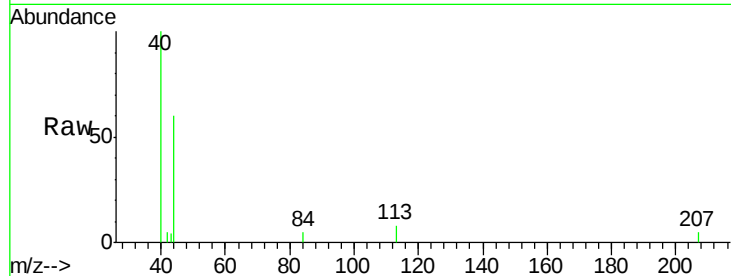
Tot Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

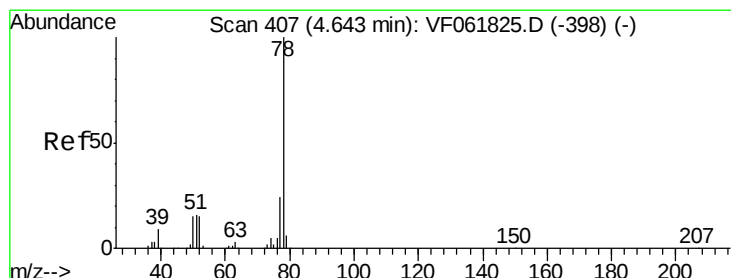
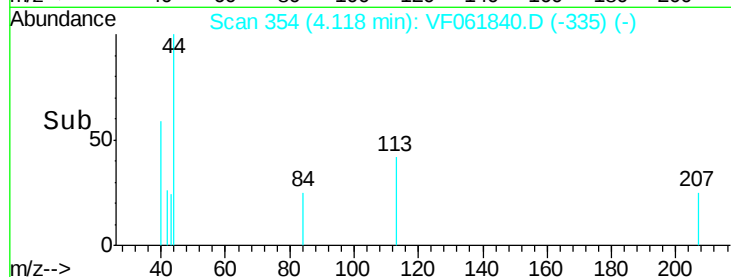
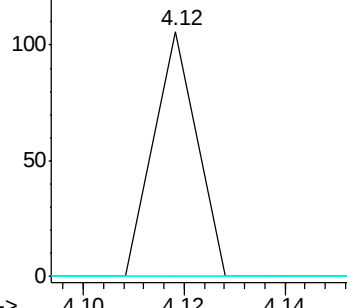
70 0.0 8.5 12.7#



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



#40

Benzene

Concen: 1.427 ug/l

RT: 4.60 min Scan# 403

Delta R.T. -0.04 min

Lab File: VF061840.D

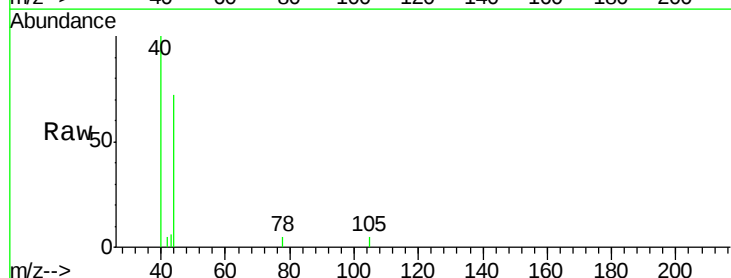
Acq: 5 Mar 2019 1:37

Tgt Ion: 78 Resp: 73

Ion Ratio Lower Upper

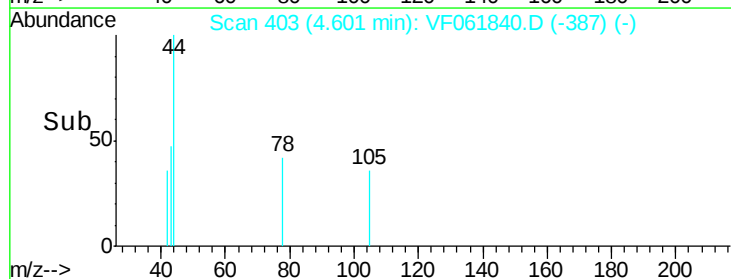
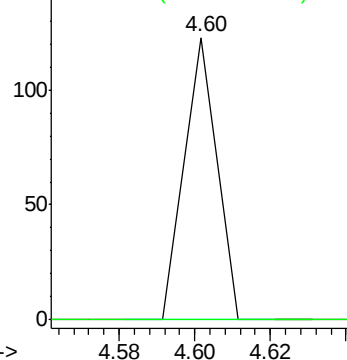
78 100

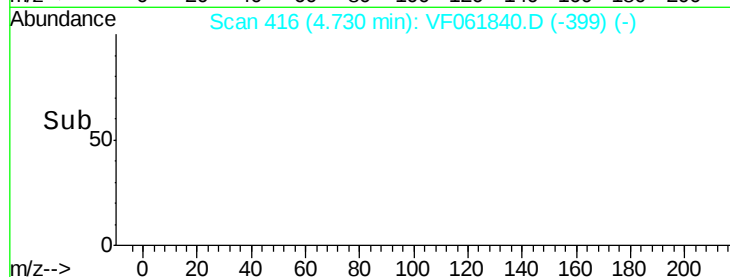
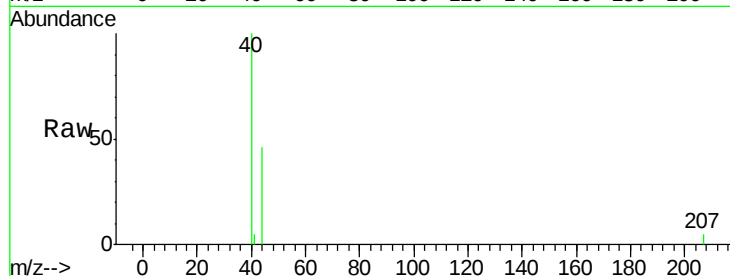
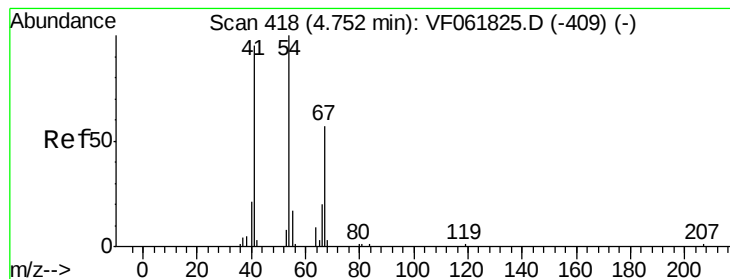
77 0.0 19.0 28.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 26.911 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.03 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

Z-2-3

Tot Ion: 41 Resp: 125

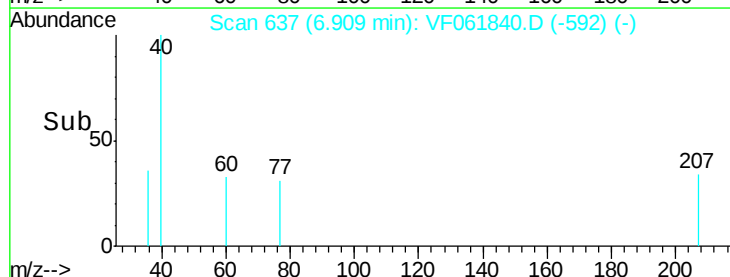
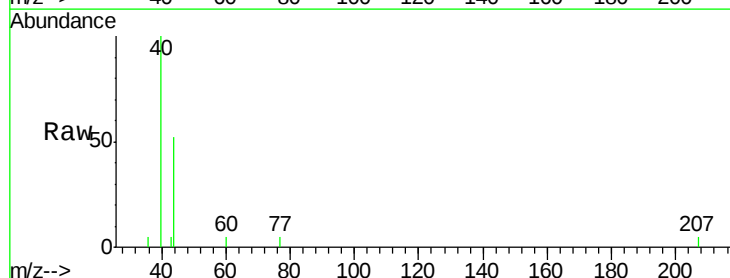
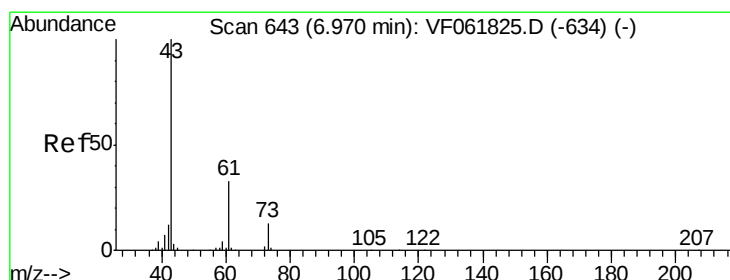
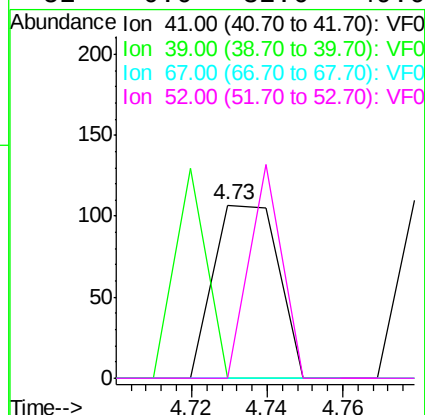
Ion Ratio Lower Upper

41 100

39 0.0 45.3 67.9#

67 0.0 49.3 73.9#

52 0.0 32.6 49.0#



#43

Isopropyl Acetate

Concen: 6.046 ug/l

RT: 6.91 min Scan# 637

Delta R.T. -0.06 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

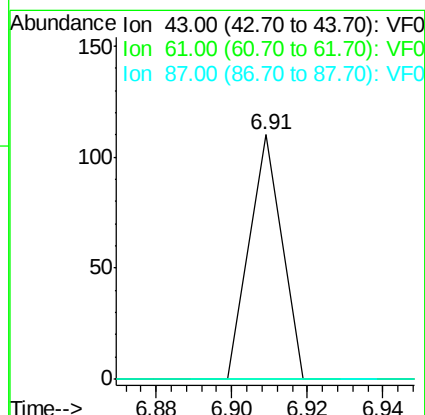
Tgt Ion: 43 Resp: 65

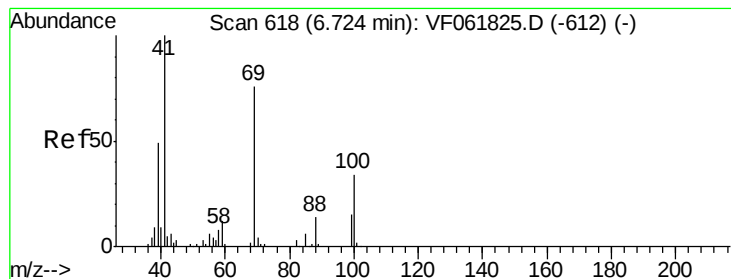
Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

87 0.0 0.4 0.6#





#48

Methyl methacrylate

Concen: 47.296 ug/l

RT: 6.65 min Scan# 611

Delta R.T. -0.07 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

Z-2-3

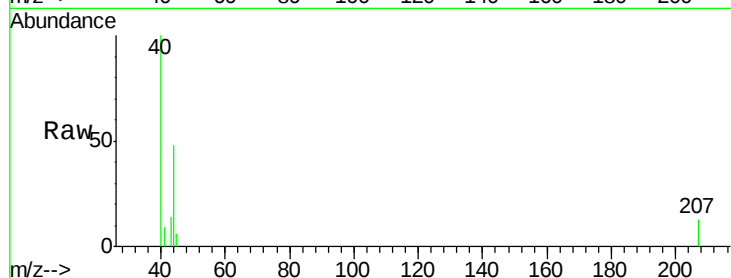
Tot Ion: 41 Resp: 306

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

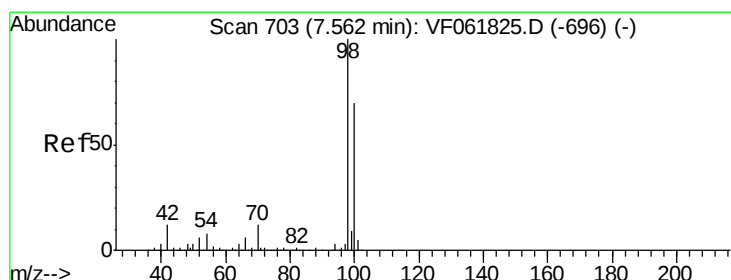
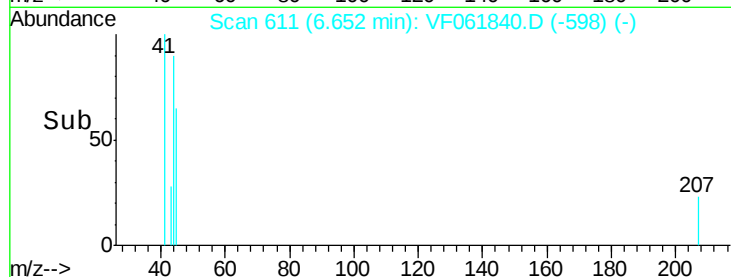
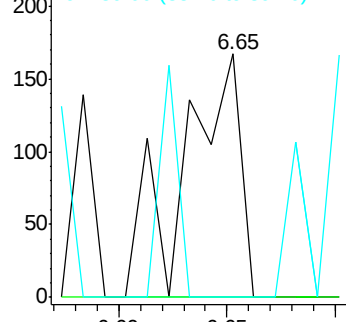
39 0.0 43.7 65.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#50

Toluene-d8

Concen: 43.426 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061840.D

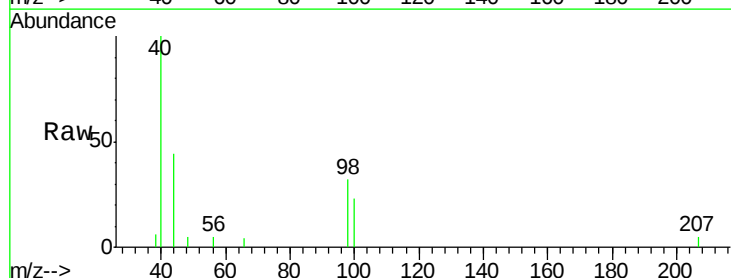
Acq: 5 Mar 2019 1:37

Tgt Ion: 98 Resp: 1830

Ion Ratio Lower Upper

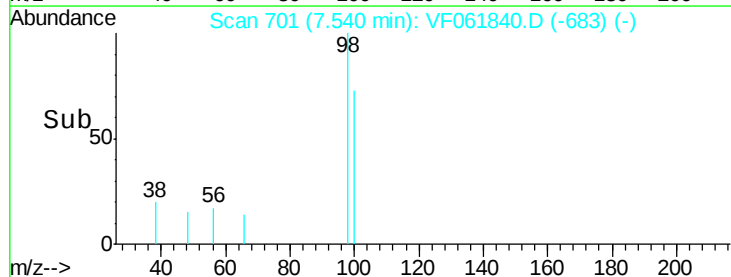
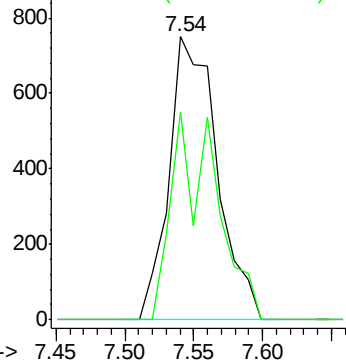
98 100

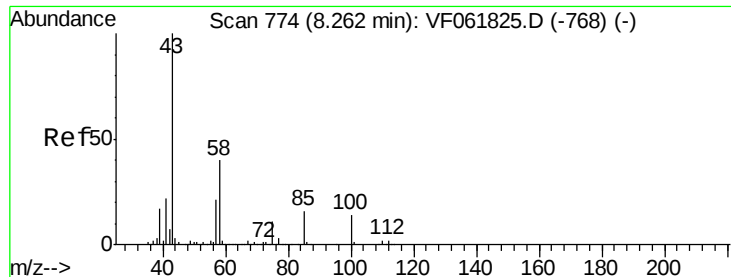
100 73.2 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 8.461 ug/l

RT: 8.20 min Scan# 768

Delta R.T. -0.07 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampleId :

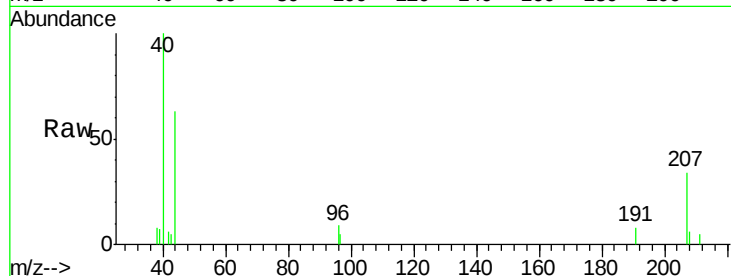
Z-2-3

Tot Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.20

120

100

80

60

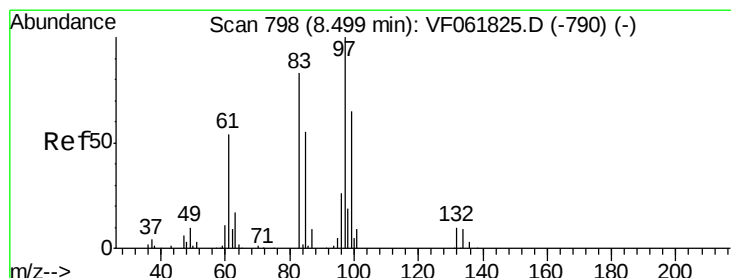
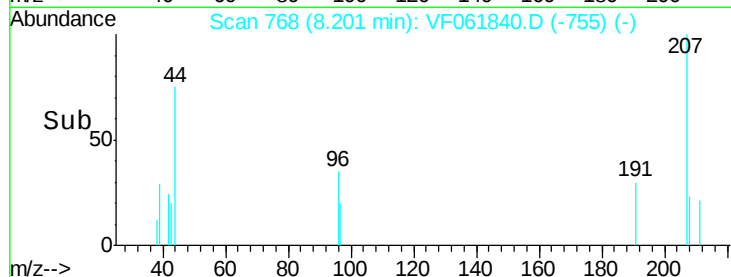
40

20

0

8.18 8.20 8.22

Time-->



#55

1,1,2-Trichloroethane

Concen: 6.473 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Tgt Ion: 97 Resp: 59

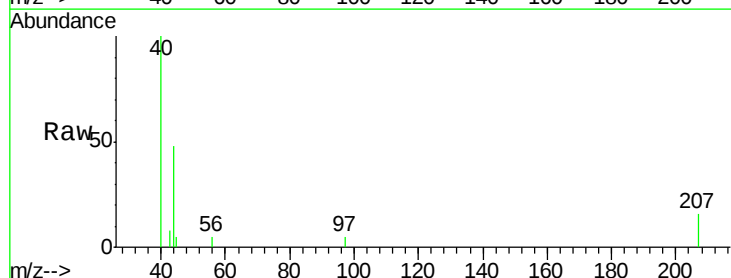
Ion Ratio Lower Upper

97 100

83 0.0 69.2 103.8#

85 0.0 43.0 64.4#

99 0.0 47.2 70.8#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

150

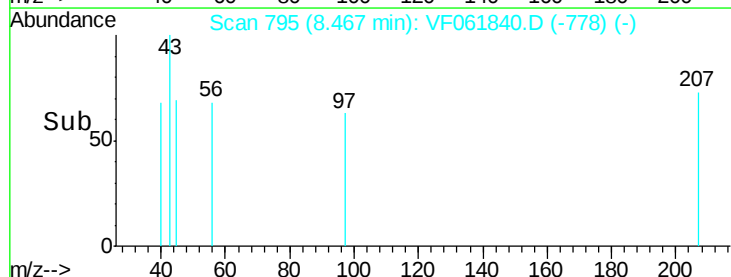
100

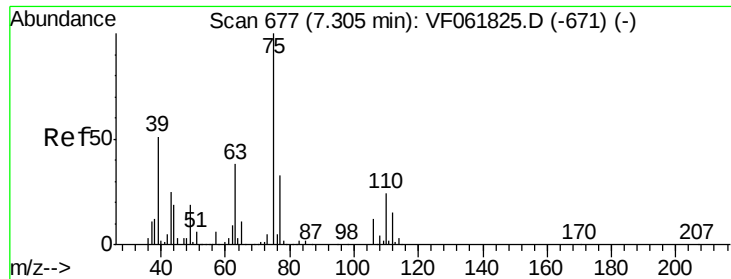
50

0

8.44 8.46 8.48 8.50

Time-->

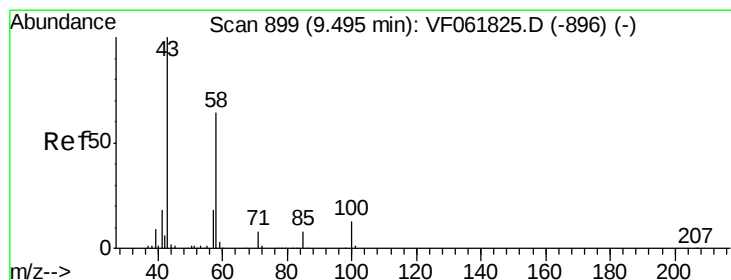
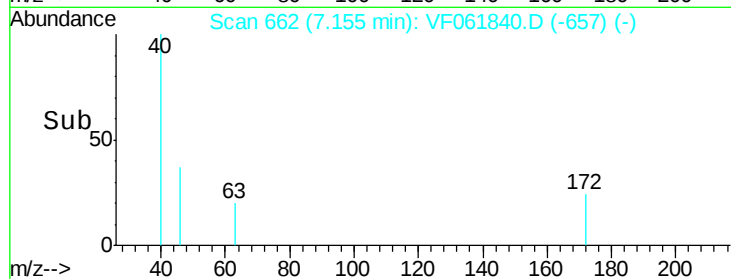
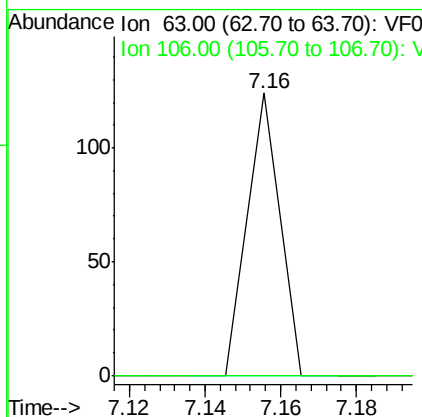
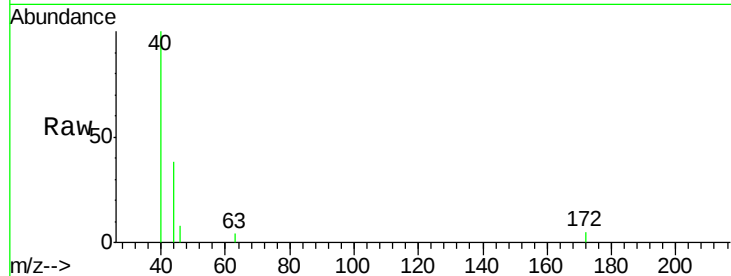




#58
 2-Chloroethyl Vinyl ether
 Concen: 41.695 ug/l
 RT: 7.16 min Scan# 662
 Delta R.T. -0.15 min
 Lab File: VF061840.D
 Acq: 5 Mar 2019 1:37

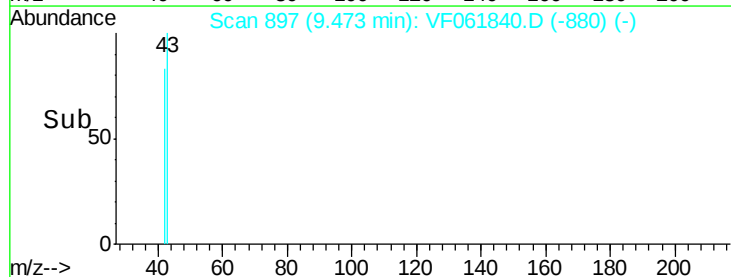
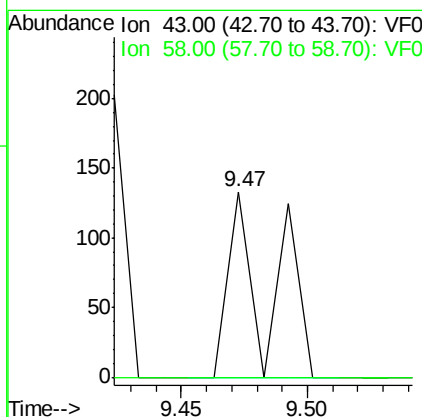
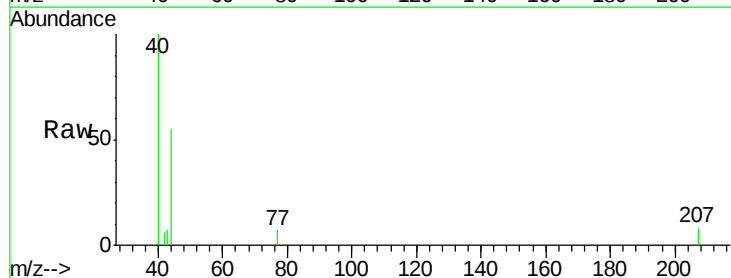
Instrument :
 MSVOA_F
 ClientSampled :
 Z-2-3

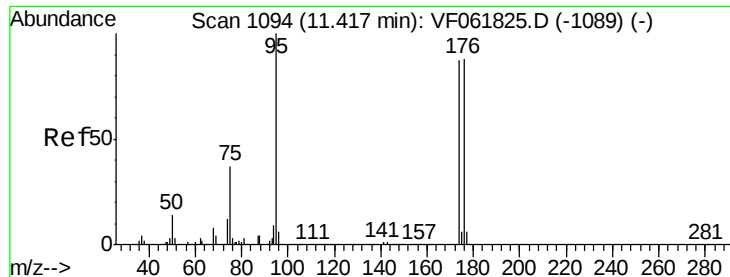
Tot Ion: 63 Resp: 73
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.6 36.8#



#59
 2-Hexanone
 Concen: 28.413 ug/l
 RT: 9.47 min Scan# 897
 Delta R.T. -0.03 min
 Lab File: VF061840.D
 Acq: 5 Mar 2019 1:37

Tgt Ion: 43 Resp: 153
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.5 85.5#





#62

4-Bromofluorobenzene

Concen: 13.782 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

Instrument :

MSVOA_F

ClientSampled :

Z-2-3

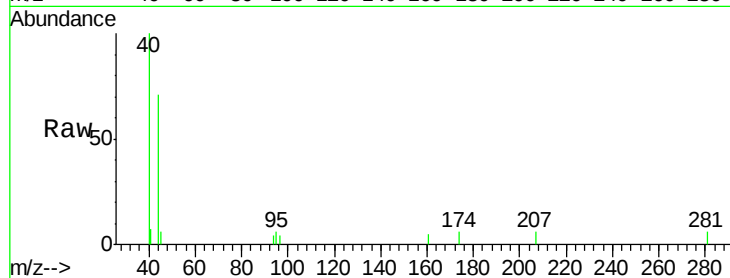
Tot Ion: 95 Resp: 235

Ion Ratio Lower Upper

95 100

174 89.7 0.0 165.8

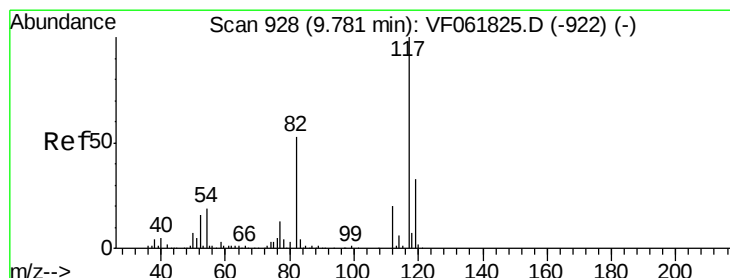
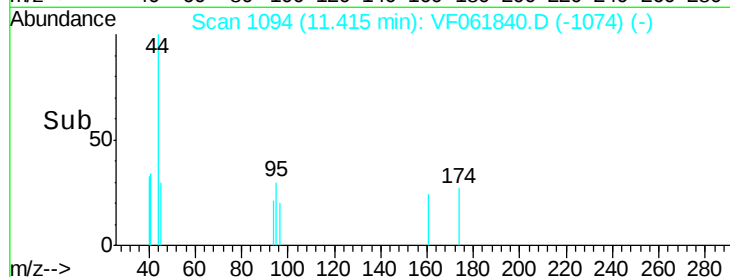
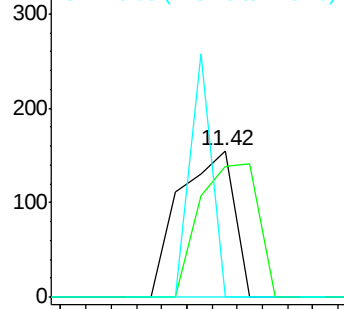
176 0.0 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061840.D

Acq: 5 Mar 2019 1:37

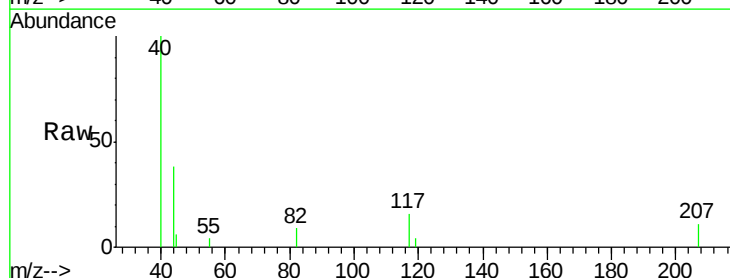
Tgt Ion: 117 Resp: 880

Ion Ratio Lower Upper

117 100

82 54.5 39.3 58.9

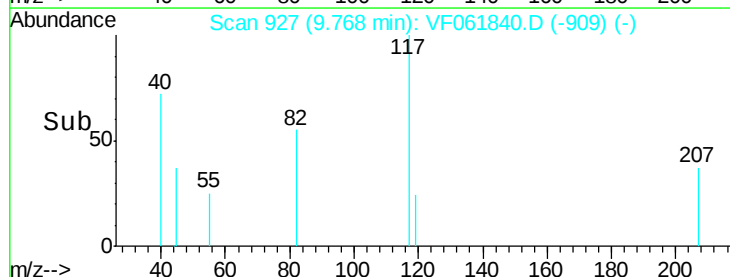
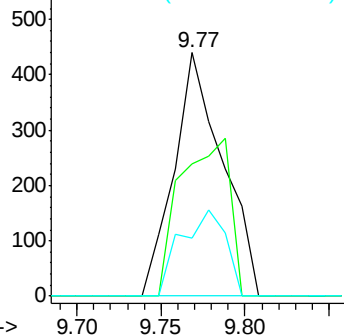
119 23.9 26.6 40.0#

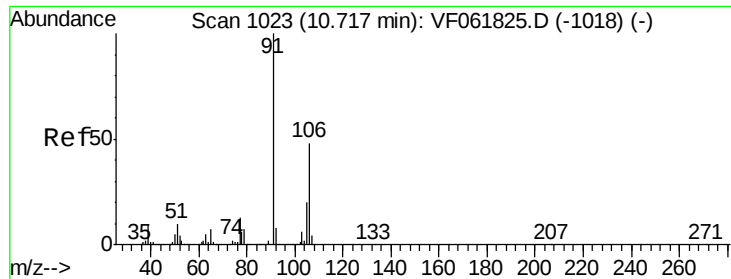


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

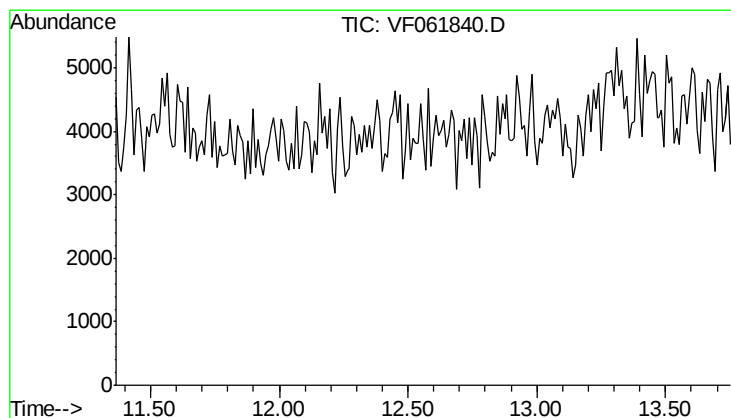
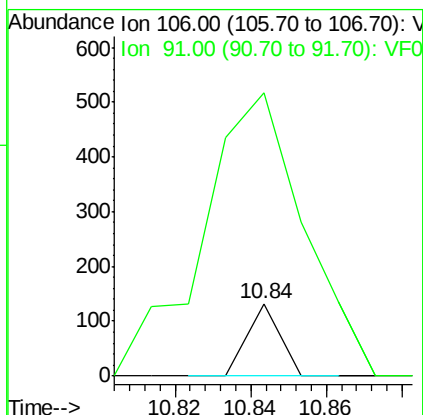
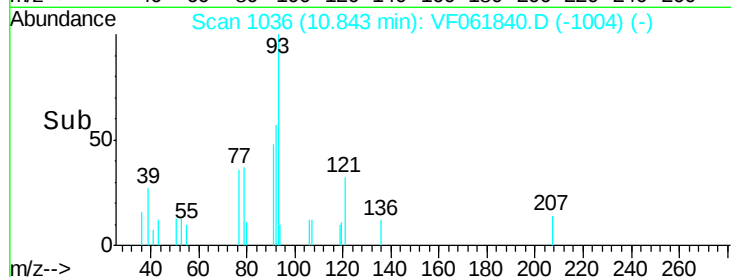
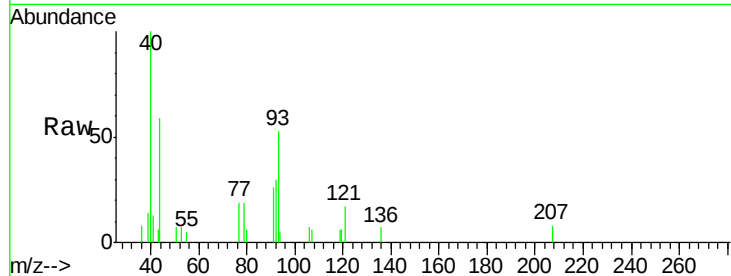




#69
o-Xylene
Concen: 6.432 ug/l
RT: 10.84 min Scan# 1036
Delta R.T. 0.12 min
Lab File: VF061840.D
Acq: 5 Mar 2019 1:37

Instrument :
MSVOA_F
ClientSampled :
Z-2-3

Tot Ion: 106 Resp: 78
Ion Ratio Lower Upper
106 100
91 391.7 100.1 300.1#



#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.56 min

Lab File: VF061840.D
Acq: 5 Mar 2019 1:37

Tgt Ion: 152
Sig Exp Ratio
152 100
115 48.5
150 156.0

