

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061839.D
 Acq On : 5 Mar 2019 1:08
 Operator : VA/AP
 Sample : K1712-11
 Misc : 5.37g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-2

Quant Time: Mar 05 05:05:35 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	4.88	168	7442	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	8299	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	3916	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	748	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	1127	20.65	ug/l	-0.02
Spiked Amount			Recovery	=	41.30%	
35) Dibromofluoromethane	4.11	113	2067	33.54	ug/l	-0.01
Spiked Amount			Recovery	=	67.08%	
50) Toluene-d8	7.55	98	6171	34.83	ug/l	-0.01
Spiked Amount			Recovery	=	69.66%	
62) 4-Bromofluorobenzene	11.40	95	1165	16.25	ug/l	-0.01
Spiked Amount			Recovery	=	32.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.92	85	69	0.807	ug/l #	43
3) Chloromethane	1.08	50	112	1.249	ug/l #	42
5) Bromomethane	1.30	94	199	3.469	ug/l #	3
6) Chloroethane	1.36	64	67	1.631	ug/l #	1
8) Diethyl Ether	1.51	74	86	3.394	ug/l	80
11) Tert butyl alcohol	2.64	59	65	20.580	ug/l #	1
12) 1,1-Dichloroethene	1.77	96	70	1.098	ug/l #	1
13) Acrolein	1.89	56	236	59.453	ug/l	85
14) Allyl chloride	2.11	41	460	5.878	ug/l #	70
15) Acrylonitrile	2.93	53	230	20.531	ug/l #	19
16) Acetone	2.22	43	869	74.217	ug/l	90
17) Carbon Disulfide	1.70	76	60	0.299	ug/l #	1
18) Methyl Acetate	2.35	43	2226	84.390	ug/l #	59
19) Methyl tert-butyl Ether	2.42	73	179	1.642	ug/l #	14
20) Methylene Chloride	2.18	84	457	6.461	ug/l #	66
21) trans-1,2-Dichloroethene	2.33	96	85	1.226	ug/l #	13
22) Diisopropyl ether	2.78	45	328	1.746	ug/l #	5
23) Vinyl Acetate	3.18	43	572	6.235	ug/l #	74
24) 1,1-Dichloroethane	2.84	63	163	1.434	ug/l #	86
25) 2-Butanone	4.33	43	133	5.200	ug/l #	55
26) 2,2-Dichloropropane	3.61	77	80	1.661	ug/l #	52
27) cis-1,2-Dichloroethene	3.47	96	95	1.044	ug/l	1
29) Tetrahydrofuran	4.08	42	167	14.366	ug/l #	33
31) Cyclohexane	3.59	56	60	0.488	ug/l #	16
36) 1,1-Dichloropropene	4.24	75	73	0.888	ug/l #	37
37) Ethyl Acetate	4.13	43	231	6.049	ug/l #	30
41) Methacrylonitrile	4.73	41	62	3.175	ug/l #	25
43) Isopropyl Acetate	6.95	43	66	1.460	ug/l #	43
45) 1,2-Dichloropropane	6.23	63	76	1.462	ug/l #	44
48) Methyl methacrylate	6.68	41	84	3.088	ug/l #	17
51) 4-Methyl-2-Pentanone	8.22	43	84	2.601	ug/l #	34
54) cis-1,3-Dichloropropene	7.41	75	141	1.815	ug/l #	48
58) 2-Chloroethyl Vinyl ether	7.23	63	69	9.374	ug/l #	44
59) 2-Hexanone	9.49	43	141	6.228	ug/l #	23

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

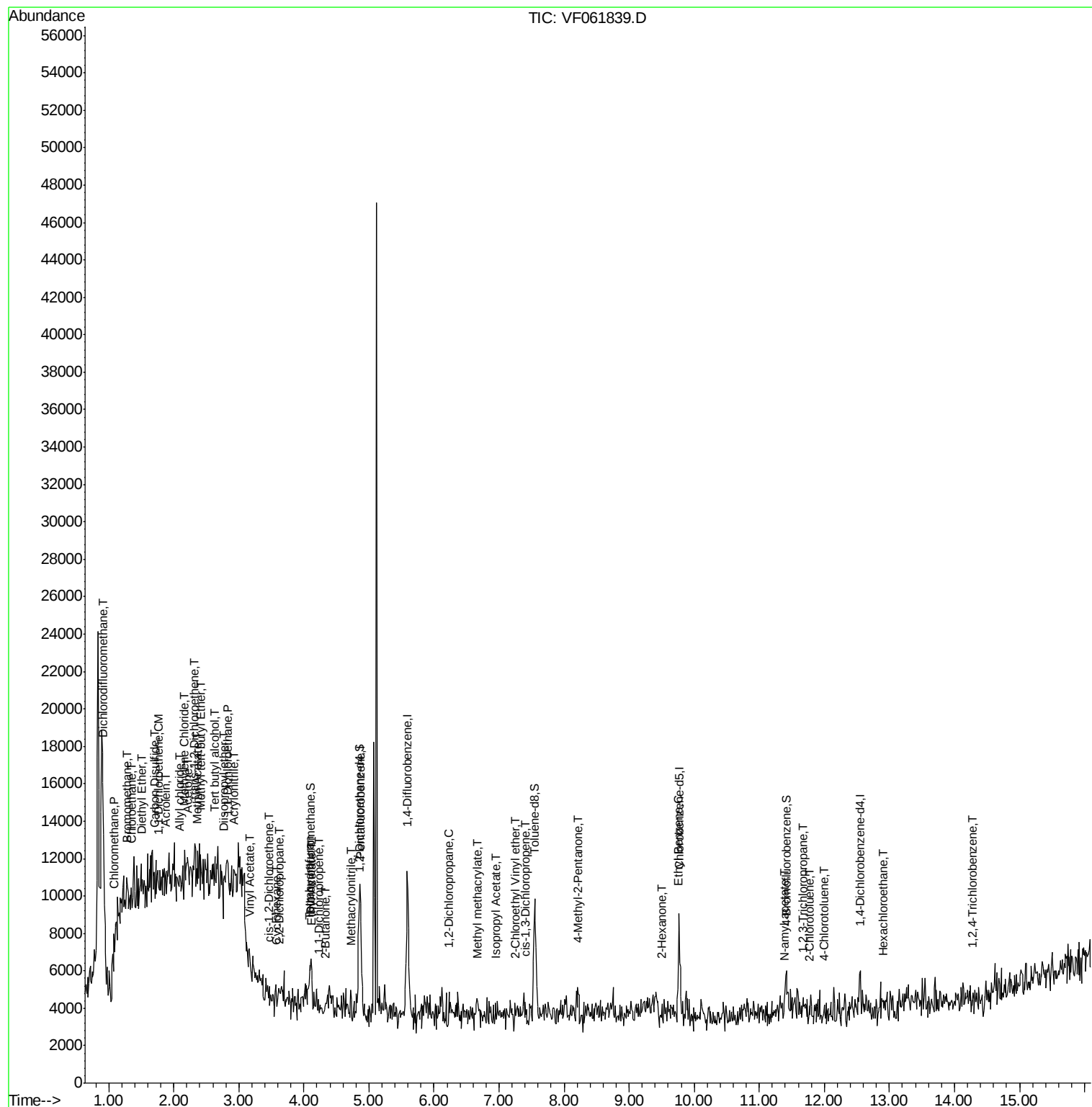
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Ethyl Benzene	9.75	91	102	0.772	ug/l #	45
74) N-amyl acetate	11.38	43	82	6.415	ug/l #	44
76) 1,2,3-Trichloropropane	11.67	75	66	10.174	ug/l #	42
79) 2-Chlorotoluene	11.77	91	62	1.811	ug/l #	36
82) 4-Chlorotoluene	12.01	91	67	1.886	ug/l #	37
90) Hexachloroethane	12.90	117	124	10.421	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.28	180	67	3.831	ug/l #	11

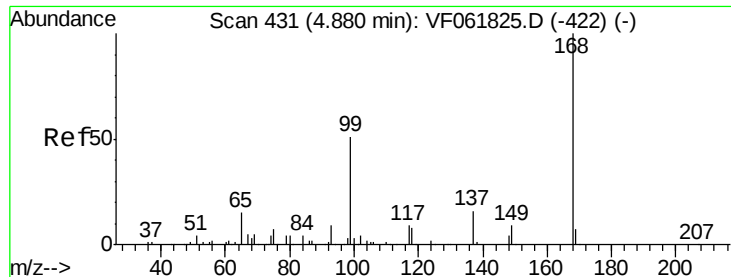
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampled :

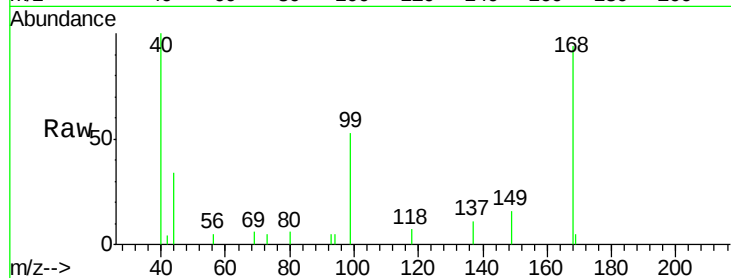
Z-2-2

Tot Ion:168 Resp: 7442

Ion Ratio Lower Upper

168 100

99 56.7 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

2500

2000

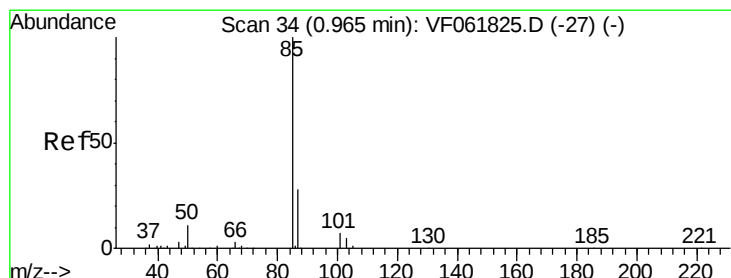
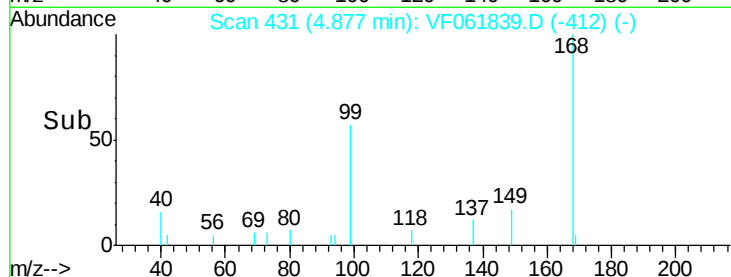
1500

1000

500

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.807 ug/l

RT: 0.92 min Scan# 30

Delta R.T. -0.04 min

Lab File: VF061839.D

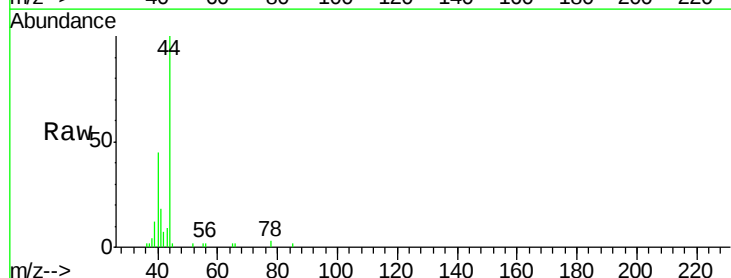
Acq: 5 Mar 2019 1:08

Tgt Ion: 85 Resp: 69

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

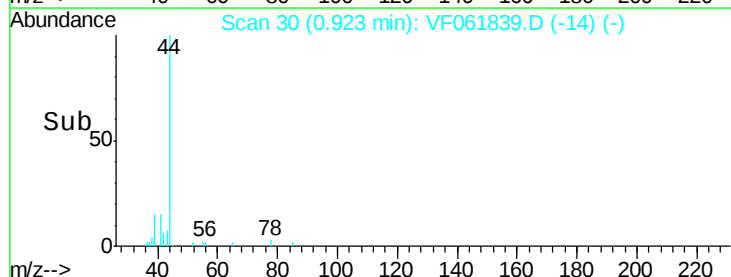
0.92

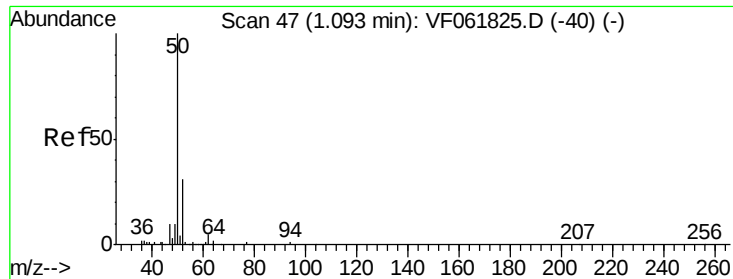
100

50

0

Time-->





#3

Chloromethane

Concen: 1.249 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.02 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampled :

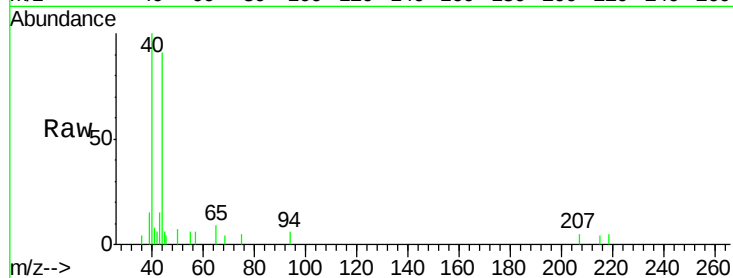
Z-2-2

Tot Ion: 50 Resp: 112

Ion Ratio Lower Upper

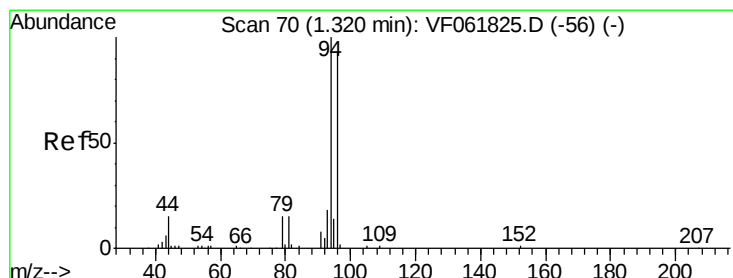
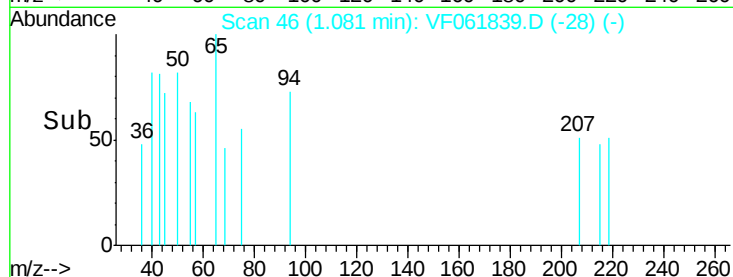
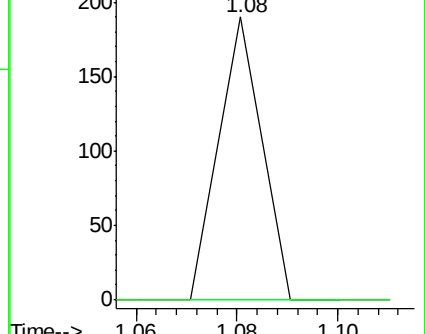
50 100

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



#5

Bromomethane

Concen: 3.469 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.02 min

Lab File: VF061839.D

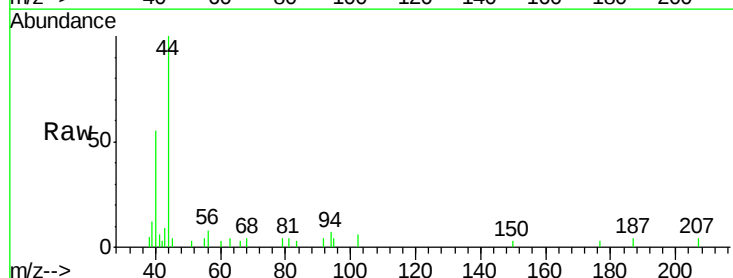
Acq: 5 Mar 2019 1:08

Tgt Ion: 94 Resp: 199

Ion Ratio Lower Upper

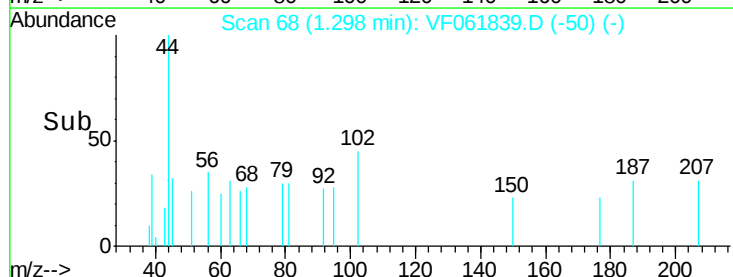
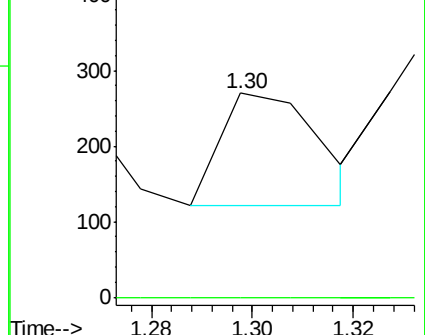
94 100

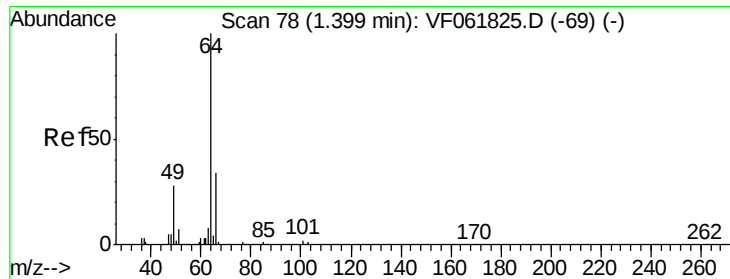
96 0.0 74.6 112.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 1.631 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.04 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampled :

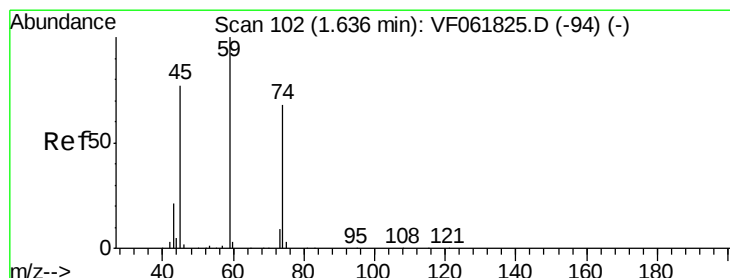
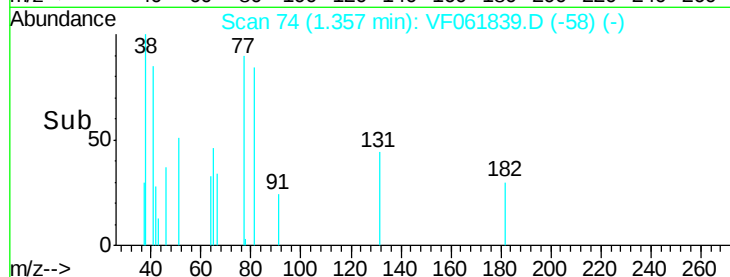
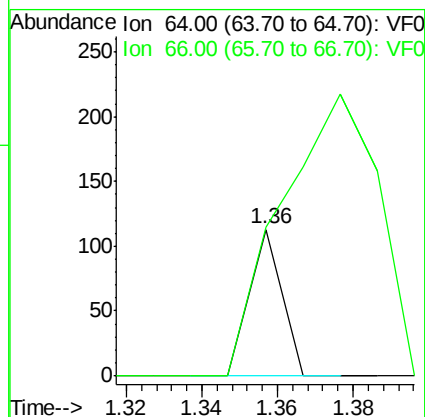
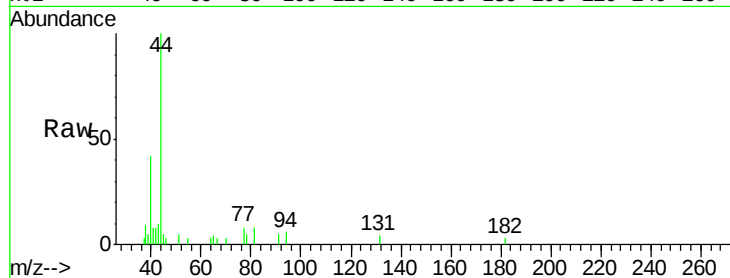
Z-2-2

Tot Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 101.8 27.9 41.9#



#8

Diethyl Ether

Concen: 3.394 ug/l

RT: 1.51 min Scan# 90

Delta R.T. -0.12 min

Lab File: VF061839.D

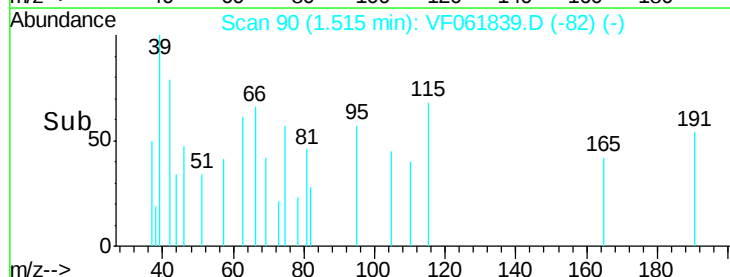
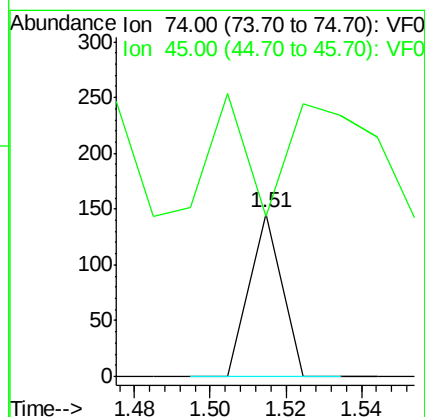
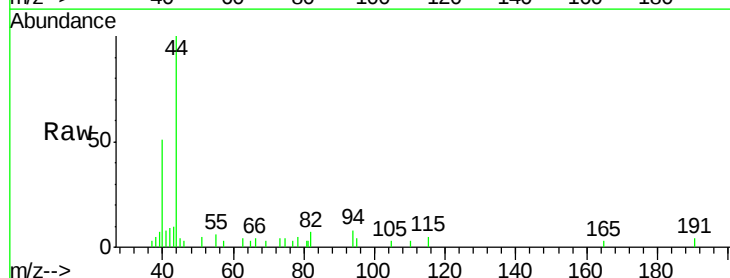
Acq: 5 Mar 2019 1:08

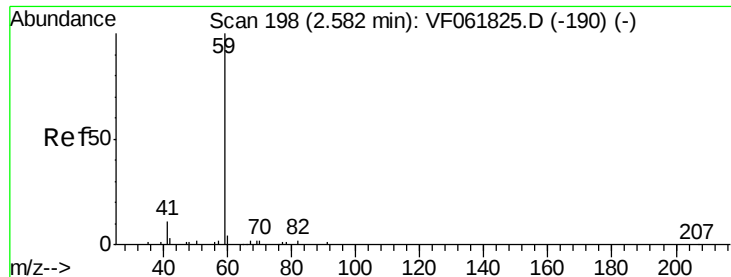
Tgt Ion: 74 Resp: 86

Ion Ratio Lower Upper

74 100

45 98.6 60.8 182.3





#11

Tert butyl alcohol

Concen: 20.580 ug/l

RT: 2.64 min Scan# 204

Delta R.T. 0.06 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampled :

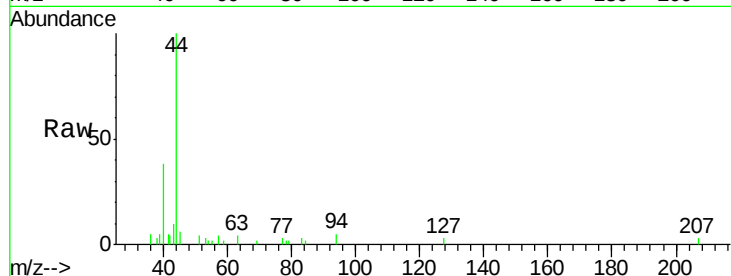
Z-2-2

Tot Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 167.9 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

200

150

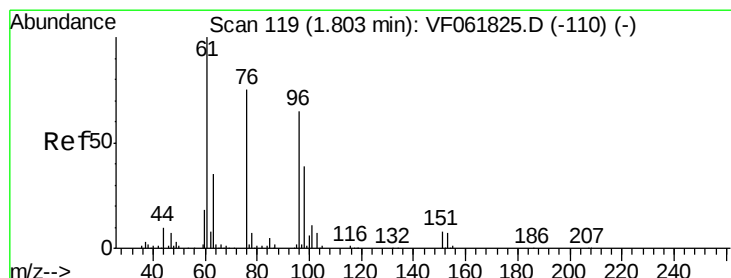
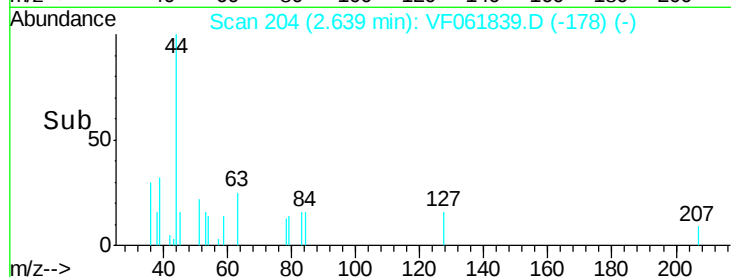
100

50

0

2.60 2.62 2.64 2.66

Time-->



#12

1,1-Dichloroethene

Concen: 1.098 ug/l

RT: 1.77 min Scan# 116

Delta R.T. -0.03 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

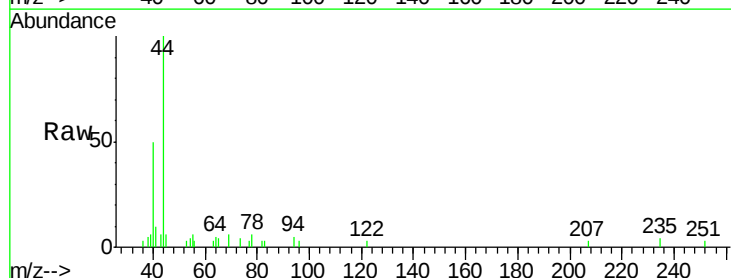
Tgt Ion: 96 Resp: 70

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

98 0.0 47.2 70.8#



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

150

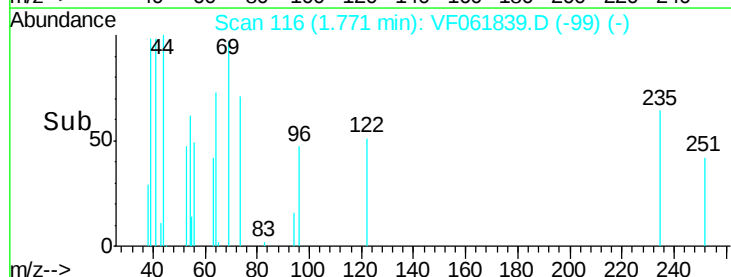
100

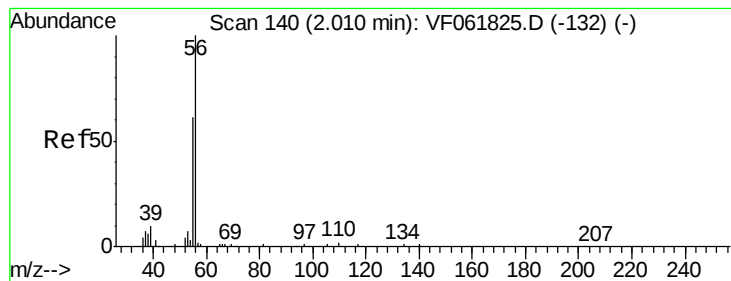
50

0

1.74 1.76 1.78 1.80

Time-->





#13

Acrolein

Concen: 59.453 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.12 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampled :

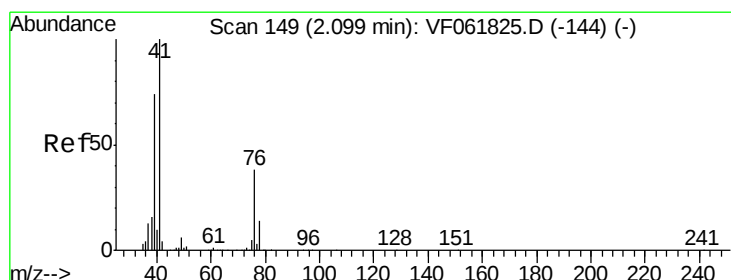
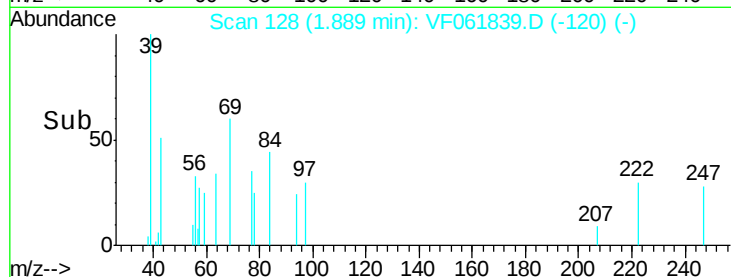
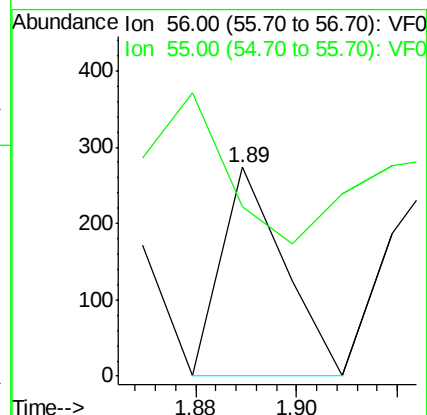
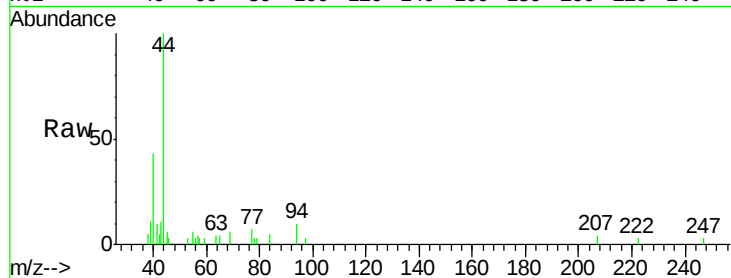
Z-2-2

Tot Ion: 56 Resp: 236

Ion Ratio Lower Upper

56 100

55 81.0 55.0 82.6



#14

Allyl chloride

Concen: 5.878 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

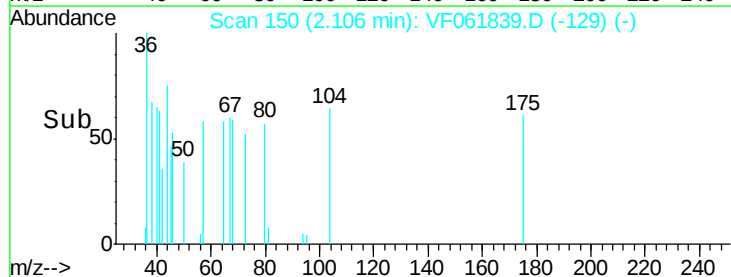
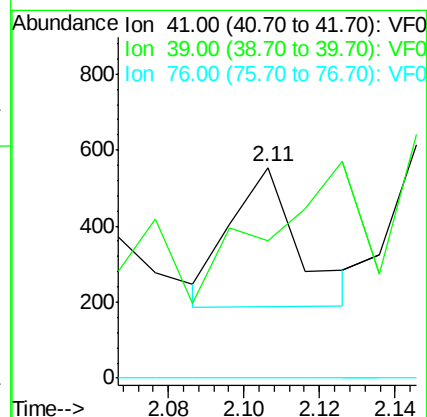
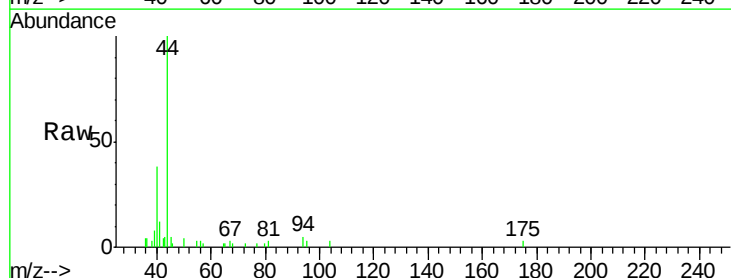
Tgt Ion: 41 Resp: 460

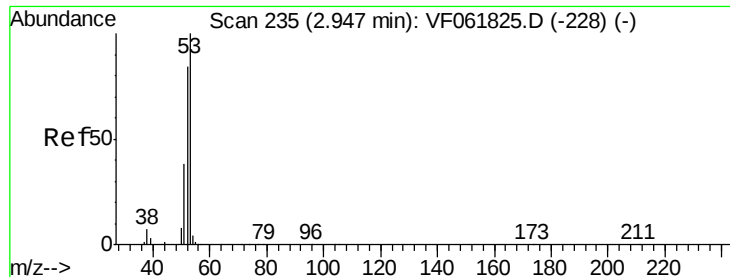
Ion Ratio Lower Upper

41 100

39 65.0 61.6 92.4

76 0.0 30.3 45.5#





#15

Acrylonitrile

Concen: 20.531 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.02 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampled :

Z-2-2

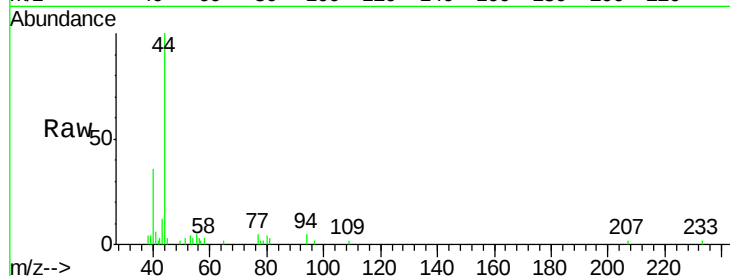
Tot Ion: 53 Resp: 230

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

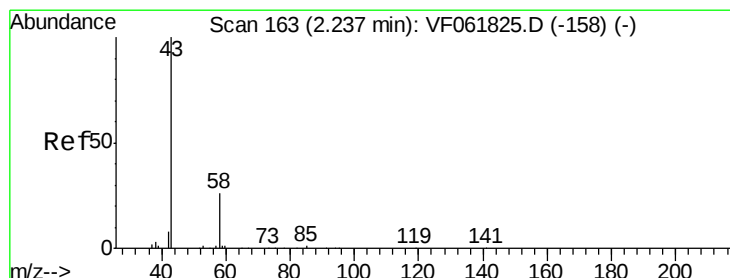
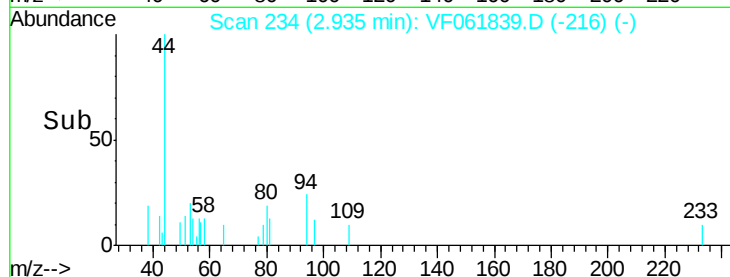
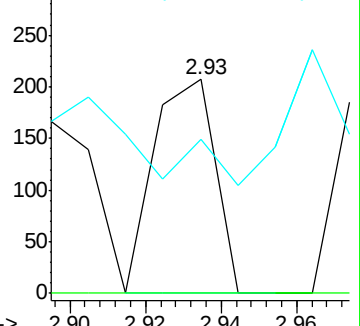
51 72.0 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 74.217 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061839.D

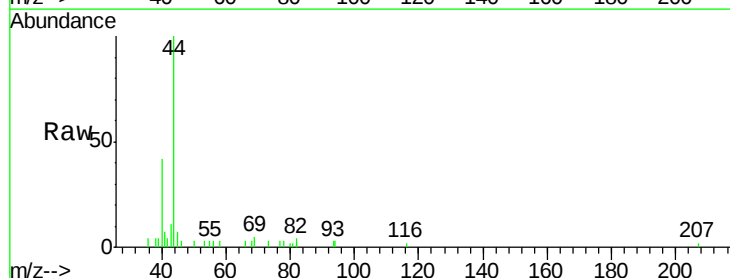
Acq: 5 Mar 2019 1:08

Tgt Ion: 43 Resp: 869

Ion Ratio Lower Upper

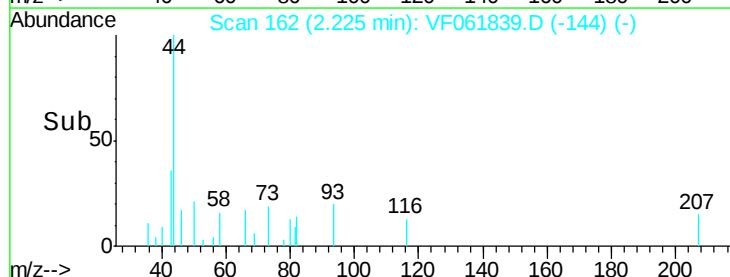
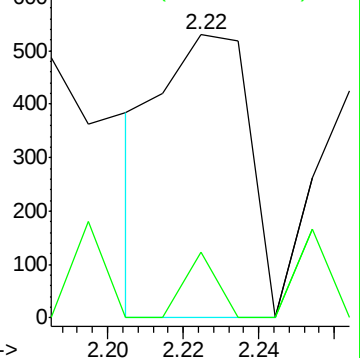
43 100

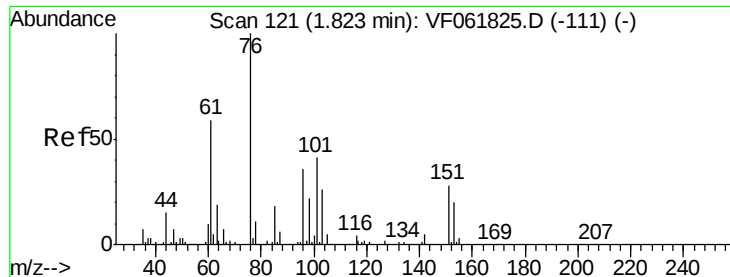
58 23.4 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

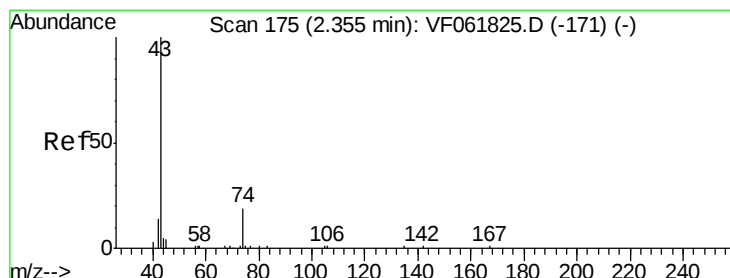
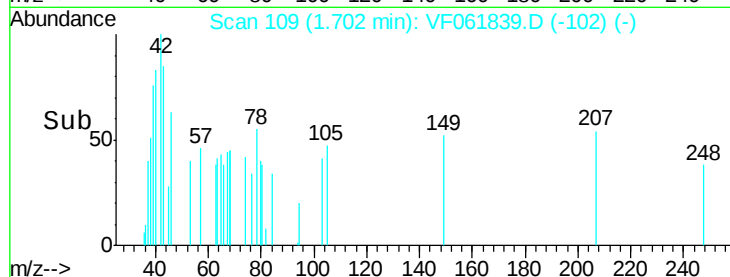
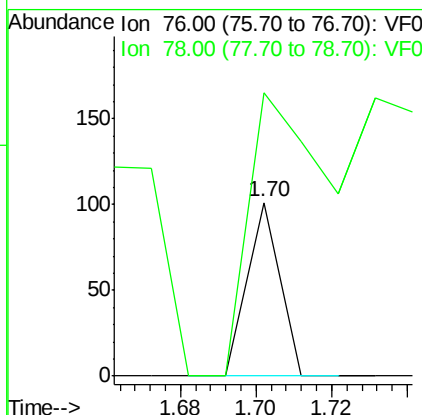
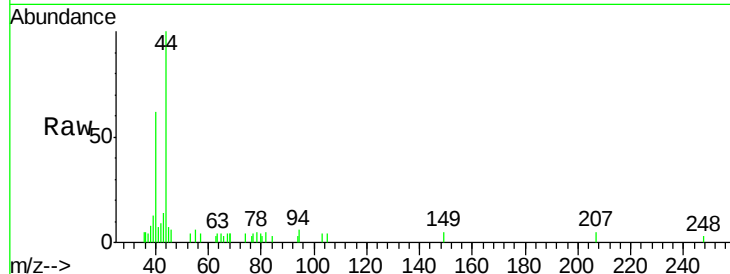




#17
Carbon Disulfide
Concen: 0.299 ug/l
RT: 1.70 min Scan# 109
Delta R.T. -0.13 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

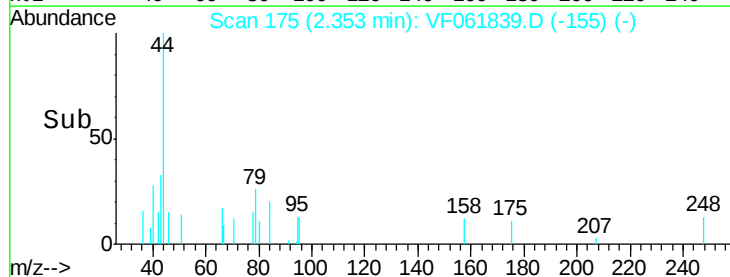
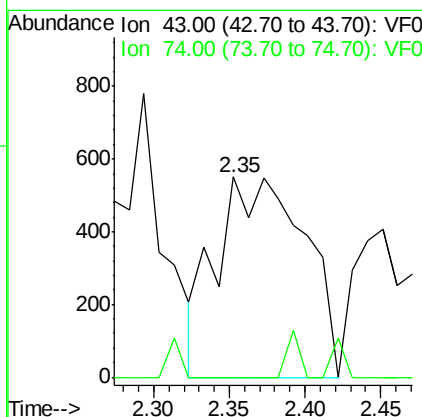
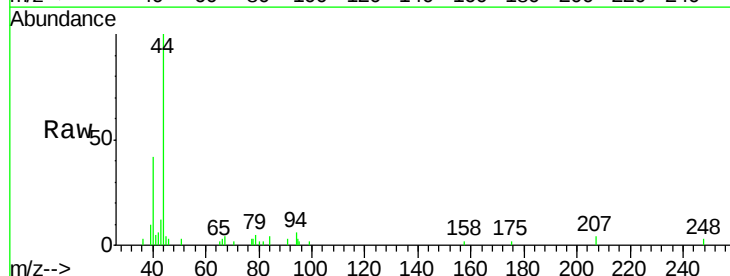
Instrument :
MSVOA_F
ClientSampled :
Z-2-2

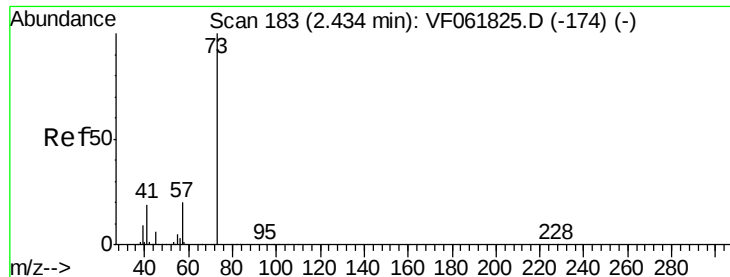
Tot Ion: 76 Resp: 60
Ion Ratio Lower Upper
76 100
78 163.4 7.9 11.9#



#18
Methyl Acetate
Concen: 84.390 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

Tgt Ion: 43 Resp: 2226
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



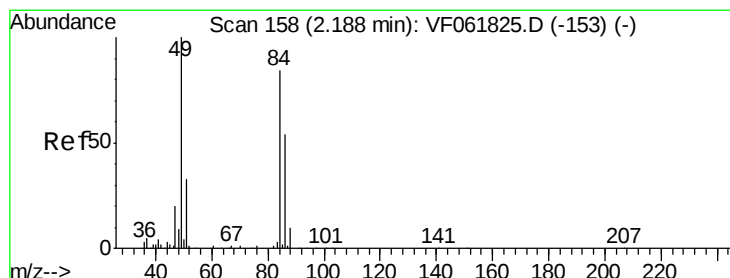
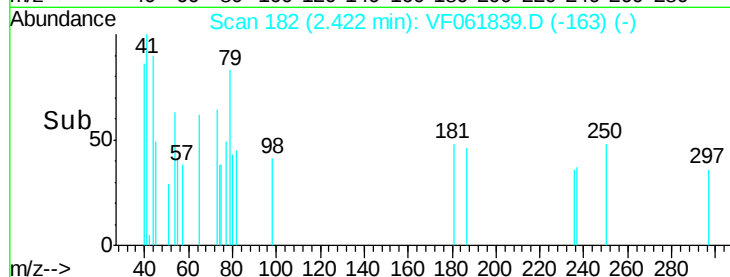
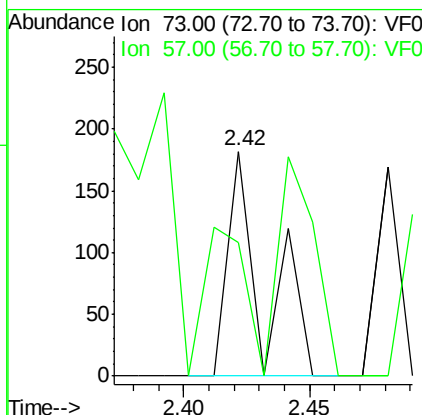
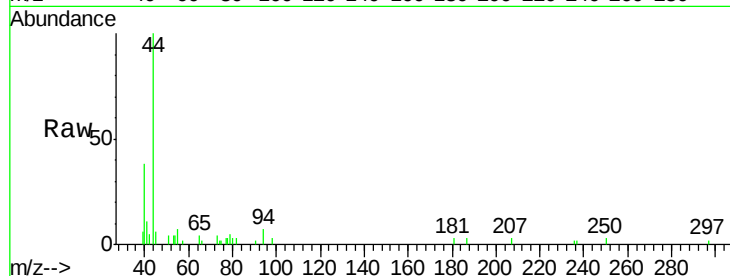


#19

Methyl tert-butyl Ether
 Concen: 1.642 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061839.D
 Acq: 5 Mar 2019 1:08

Instrument :
 MSVOA_F
 ClientSampled :
 Z-2-2

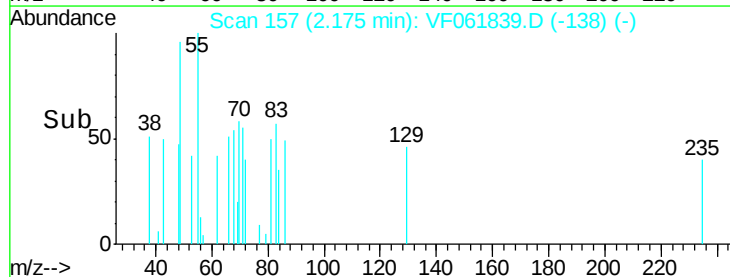
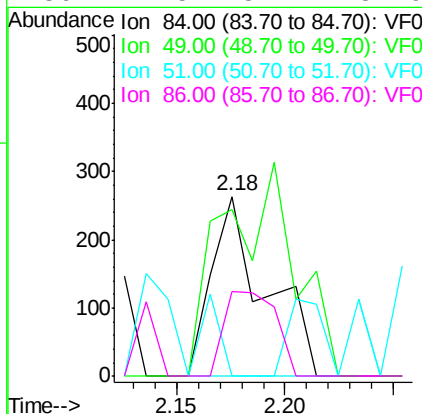
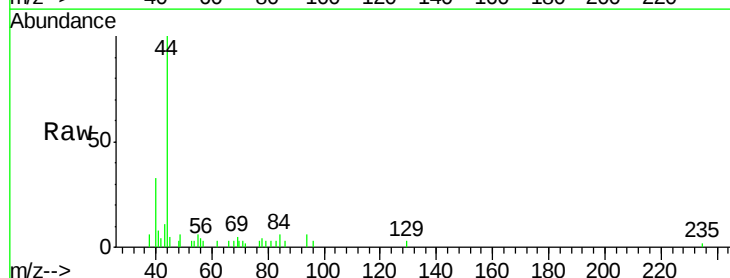
Tot Ion: 73 Resp: 179
 Ion Ratio Lower Upper
 73 100
 57 59.3 15.8 23.8#

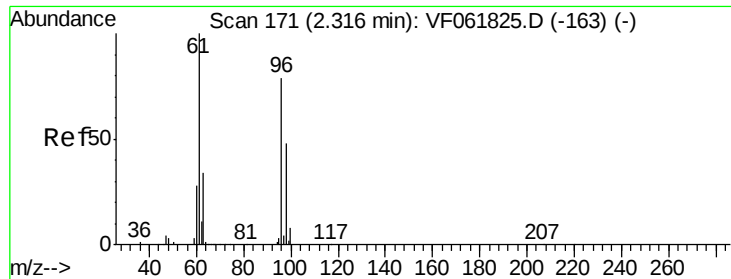


#20

Methylene Chloride
 Concen: 6.461 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF061839.D
 Acq: 5 Mar 2019 1:08

Tgt Ion: 84 Resp: 457
 Ion Ratio Lower Upper
 84 100
 49 92.8 101.8 152.8#
 51 0.0 31.1 46.7#
 86 47.5 54.4 81.6#





#21

trans-1,2-Dichloroethene

Concen: 1.226 ug/l

RT: 2.33 min Scan# 173

Delta R.T. 0.02 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampleId :

Z-2-2

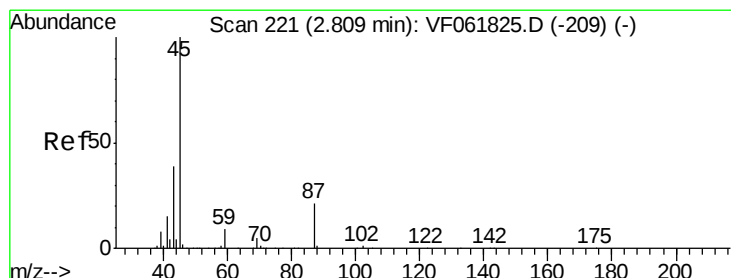
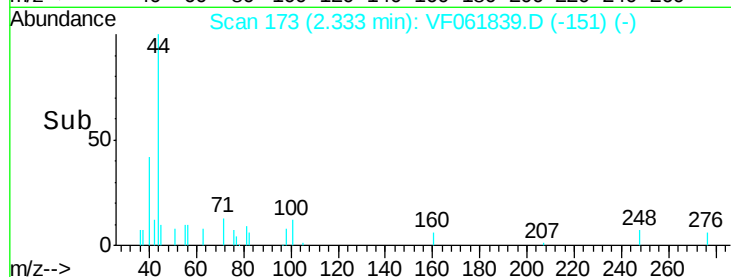
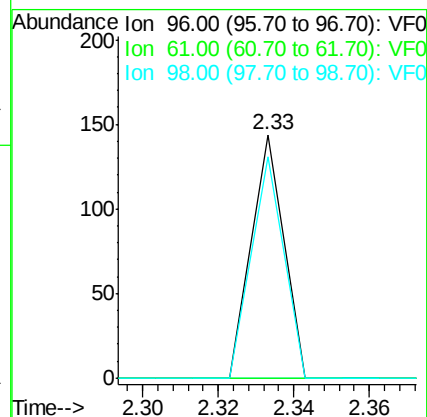
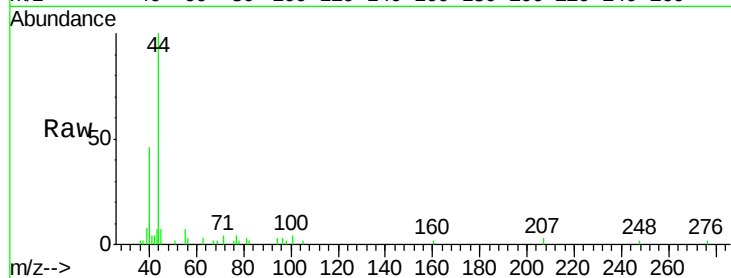
Tot Ion: 96 Resp: 85

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

98 91.0 52.2 78.2#



#22

Diisopropyl ether

Concen: 1.746 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Tgt Ion: 45 Resp: 328

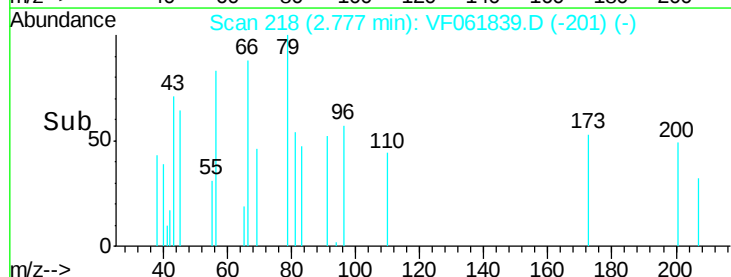
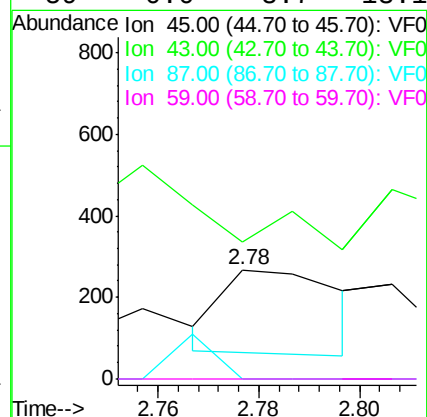
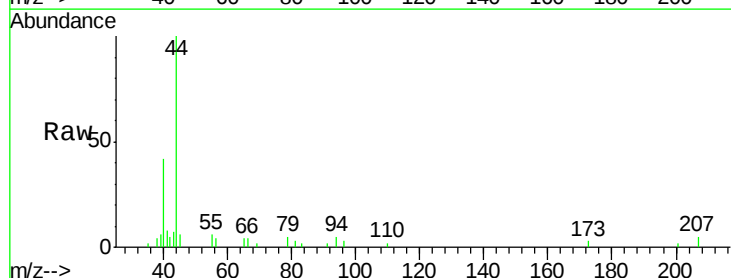
Ion Ratio Lower Upper

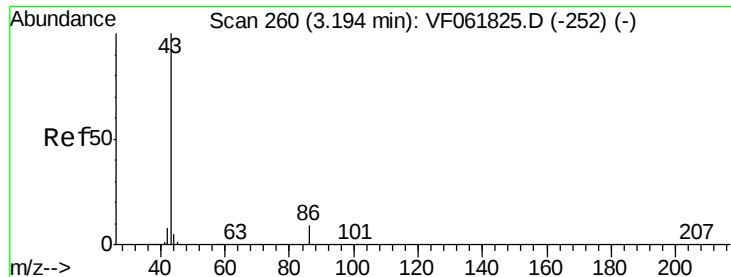
45 100

43 125.5 31.4 47.2#

87 0.0 16.3 24.5#

59 0.0 8.7 13.1#





#23

Vinyl Acetate

Concen: 6.235 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampled :

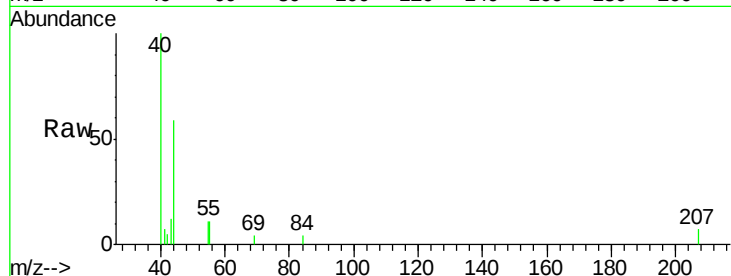
Z-2-2

Tot Ion: 43 Resp: 572

Ion Ratio Lower Upper

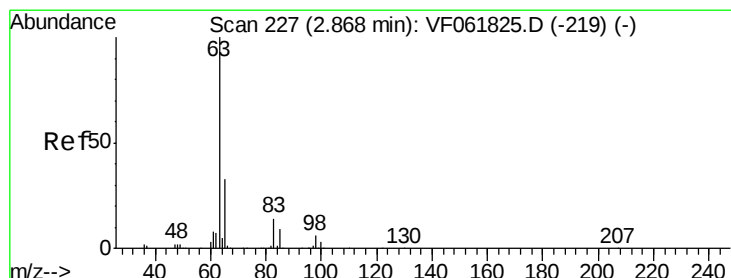
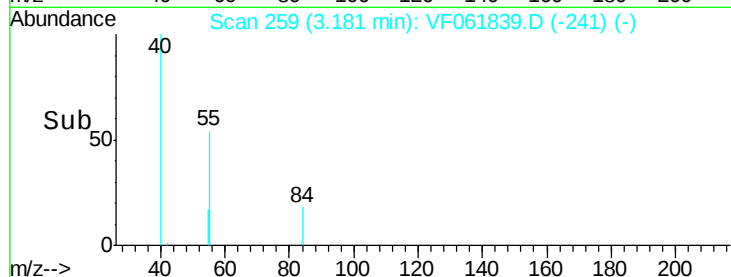
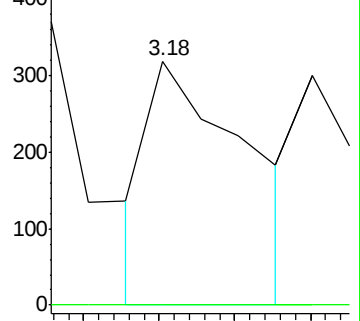
43 100

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: 1.434 ug/l

RT: 2.84 min Scan# 224

Delta R.T. -0.04 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

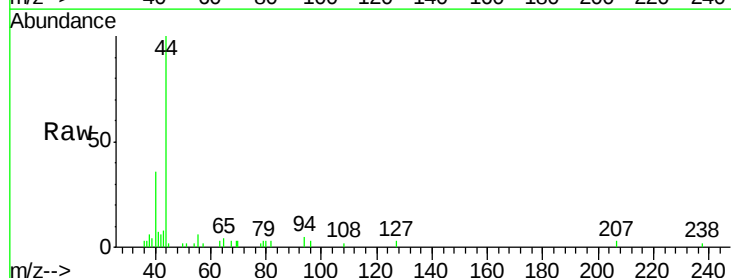
Tgt Ion: 63 Resp: 163

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

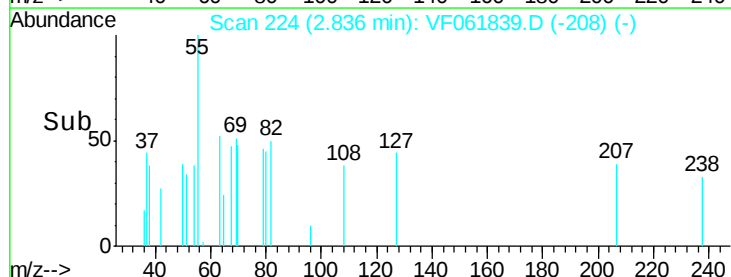
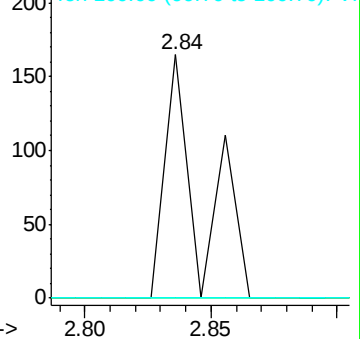
100 0.0 1.8 5.4#

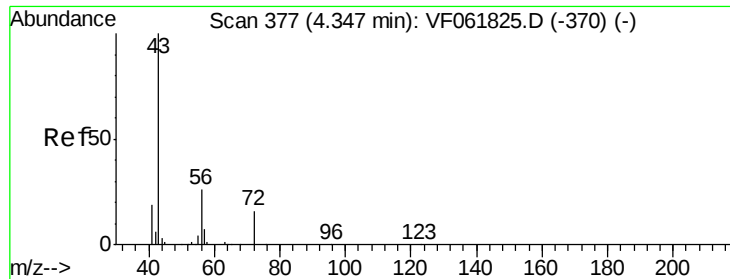


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 5.200 ug/l

RT: 4.33 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampleId :

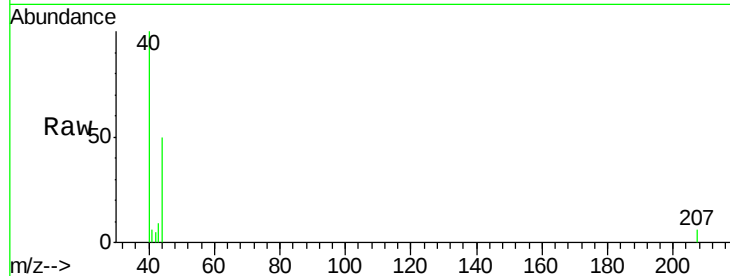
Z-2-2

Tot Ion: 43 Resp: 133

Ion Ratio Lower Upper

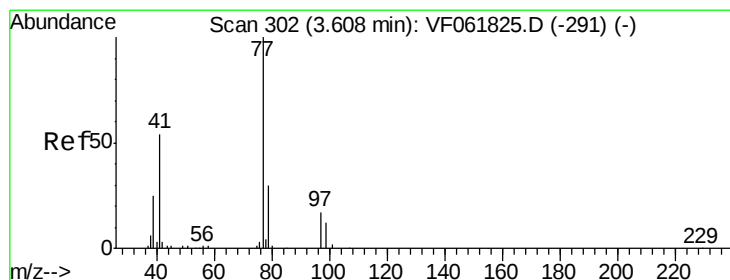
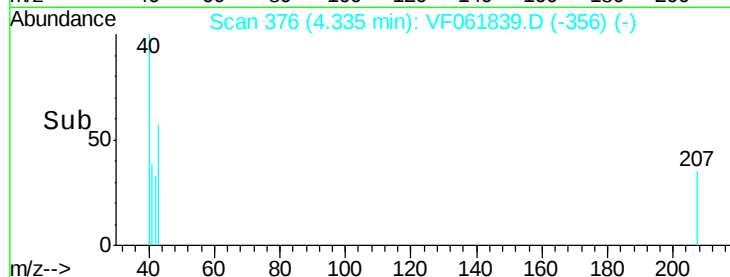
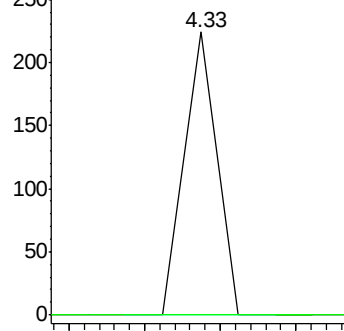
43 100

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: 1.661 ug/l

RT: 3.61 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF061839.D

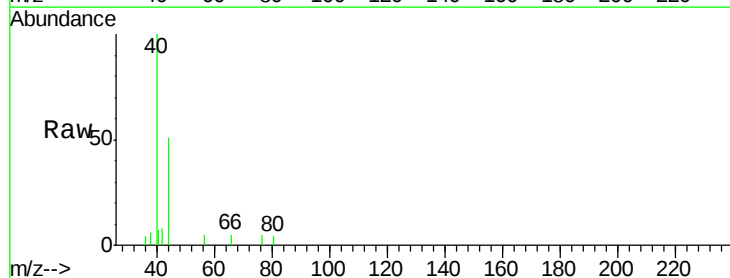
Acq: 5 Mar 2019 1:08

Tgt Ion: 77 Resp: 80

Ion Ratio Lower Upper

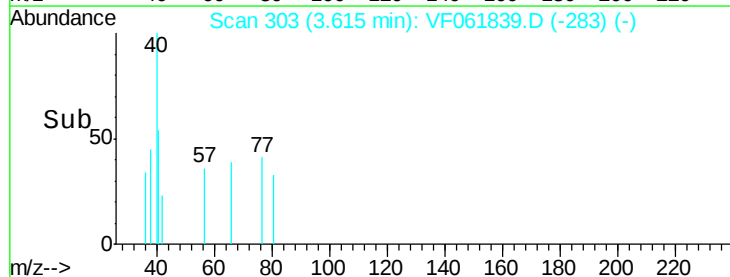
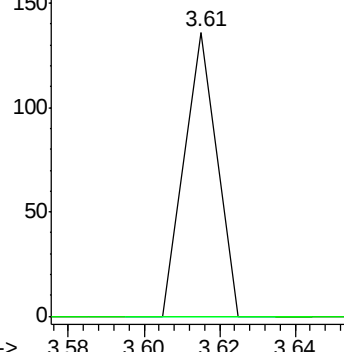
77 100

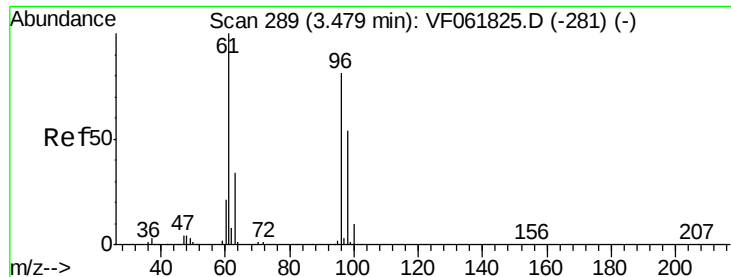
97 0.0 11.7 35.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



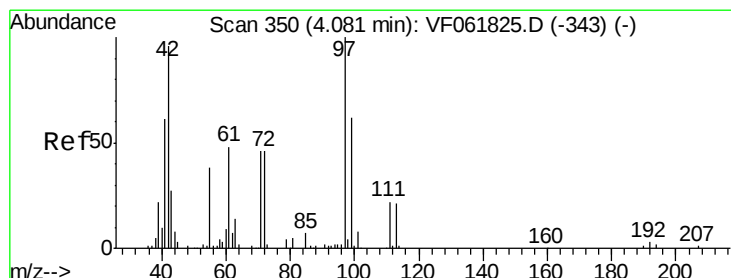
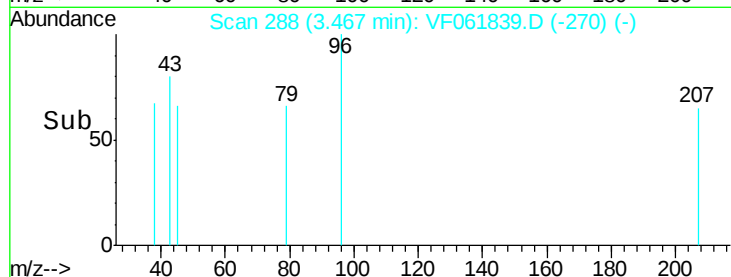
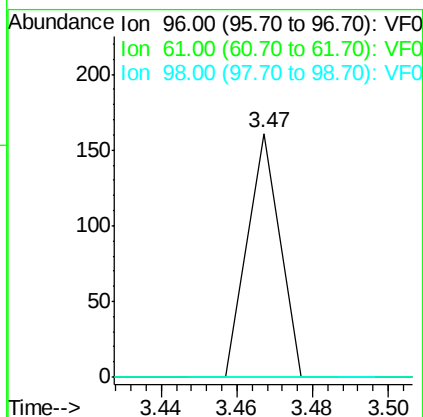
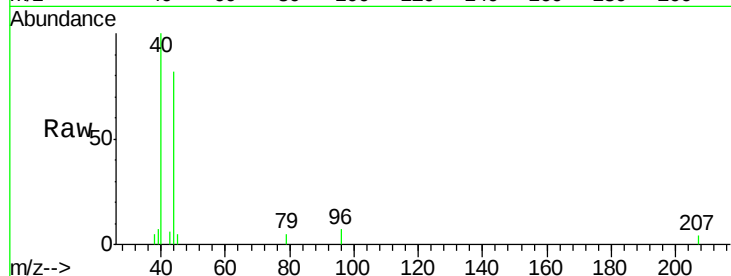


#27

cis-1,2-Dichloroethene
 Concen: 1.044 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.02 min
 Lab File: VF061839.D
 Acq: 5 Mar 2019 1:08

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-2

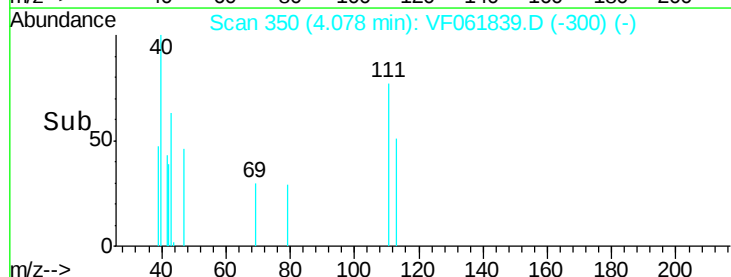
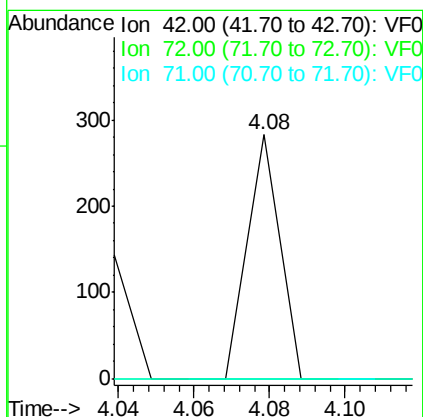
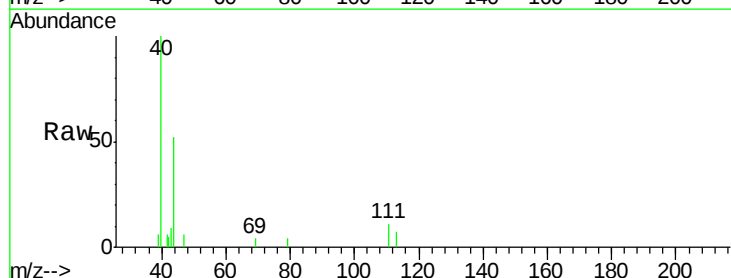
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	241.6
98	0.0	0.0	130.2

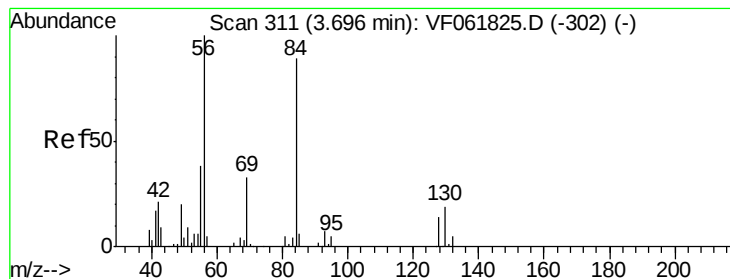


#29

Tetrahydrofuran
 Concen: 14.366 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VF061839.D
 Acq: 5 Mar 2019 1:08

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.2	52.8#
71	0.0	32.9	49.3#





#31

Cyclohexane

Concen: 0.488 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.12 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampled :

Z-2-2

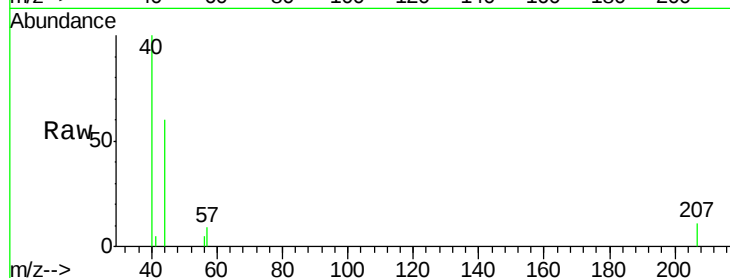
Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

56 100

69 0.0 23.8 35.8#

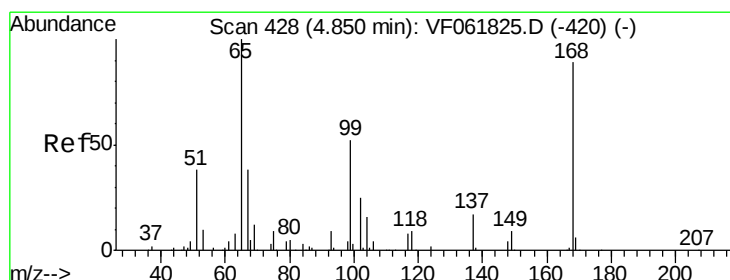
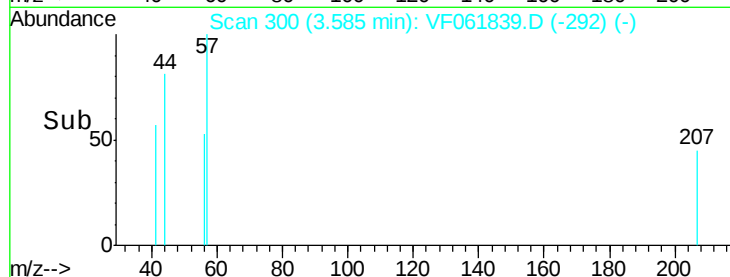
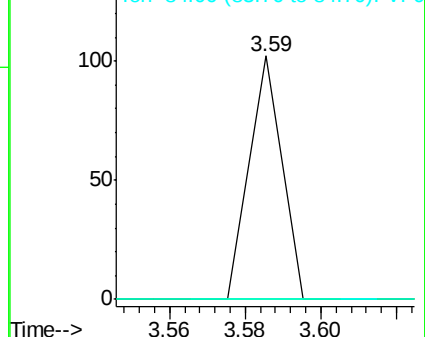
84 0.0 68.6 103.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 20.651 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.02 min

Lab File: VF061839.D

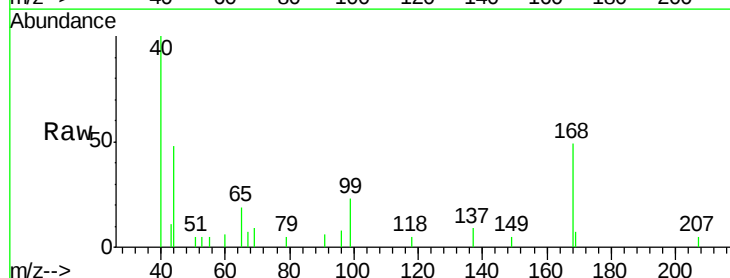
Acq: 5 Mar 2019 1:08

Tgt Ion: 65 Resp: 1127

Ion Ratio Lower Upper

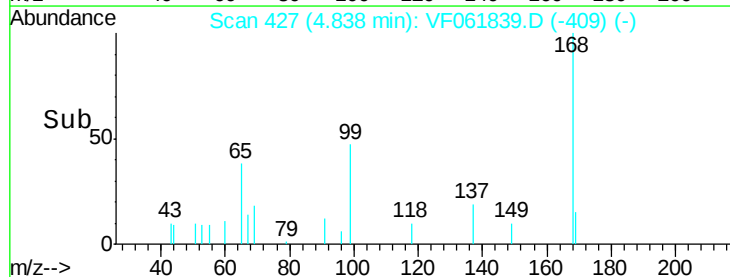
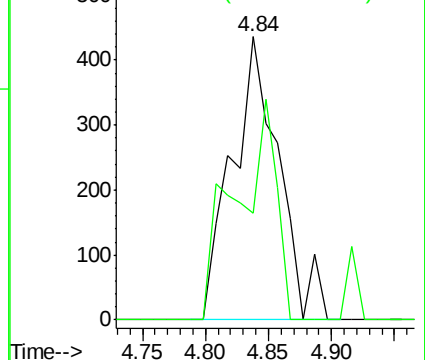
65 100

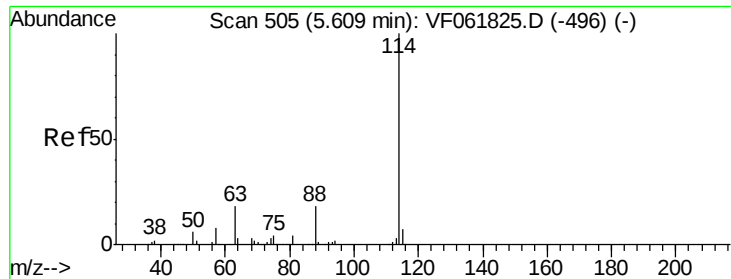
67 37.6 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampleId :

Z-2-2

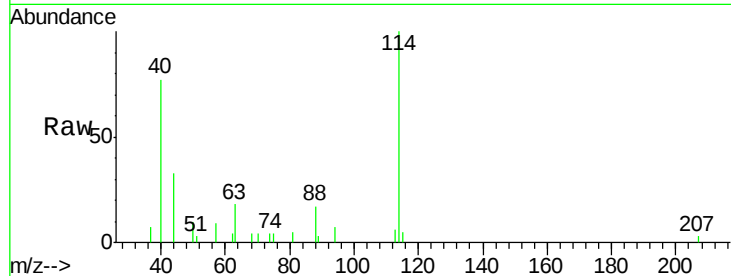
Tot Ion:114 Resp: 8299

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

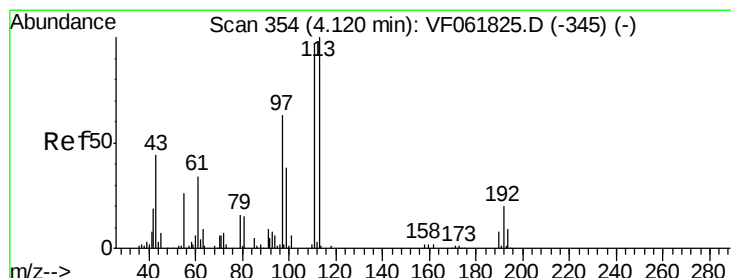
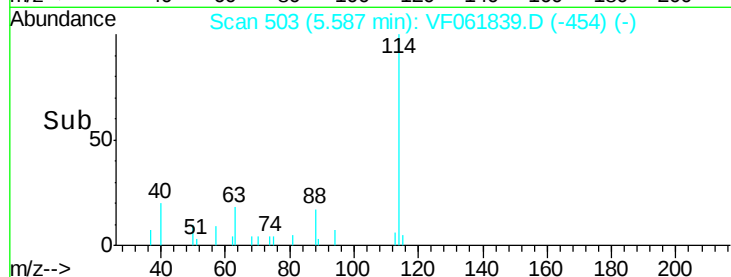
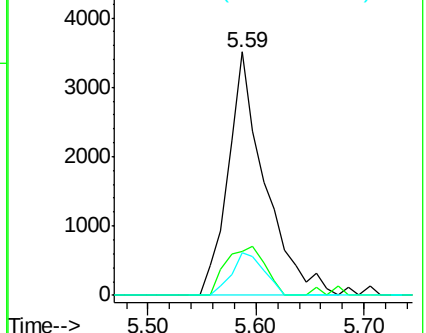
88 17.4 0.0 34.4



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



#35

Dibromofluoromethane

Concen: 33.539 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

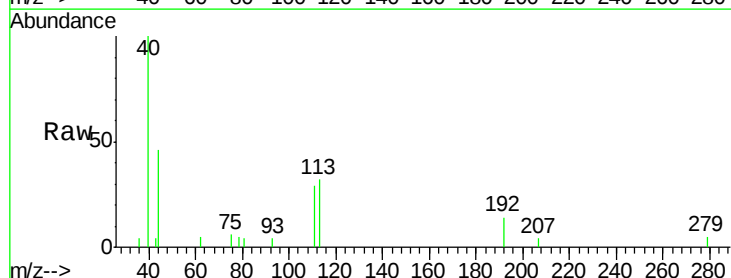
Tgt Ion:113 Resp: 2067

Ion Ratio Lower Upper

113 100

111 92.4 78.8 118.2

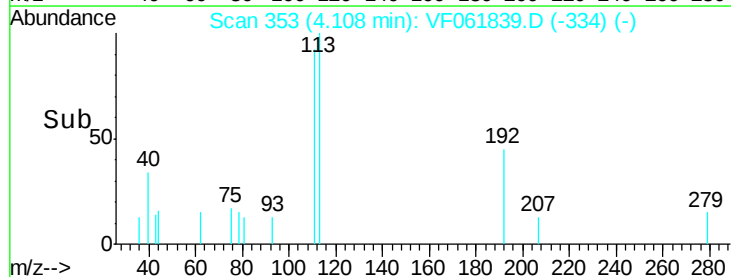
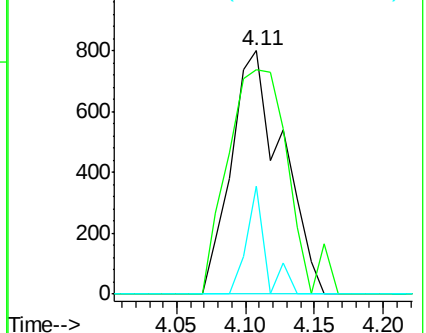
192 44.6 13.4 20.0#

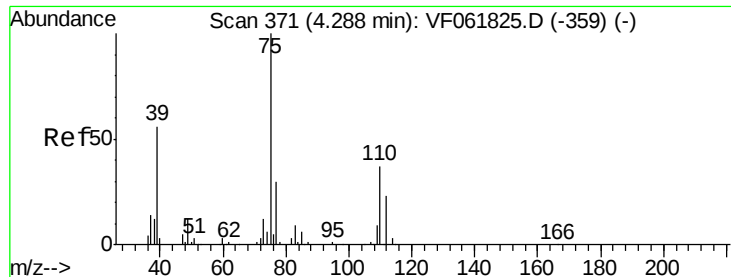


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 0.888 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.06 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampleId :

Z-2-2

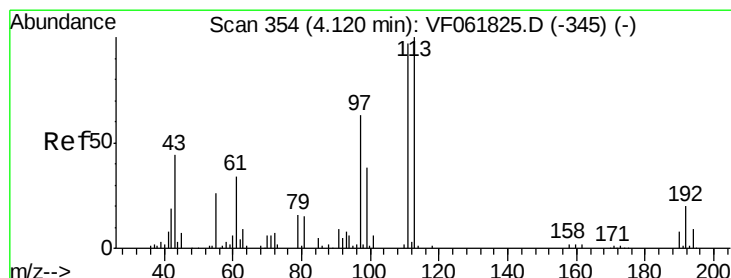
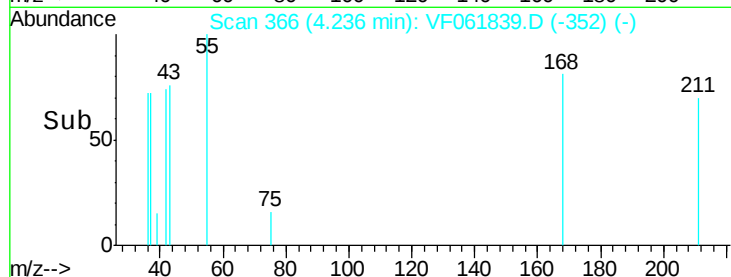
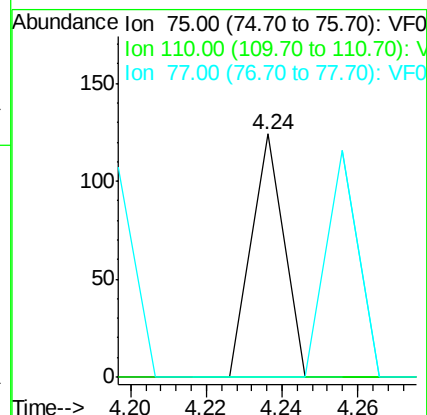
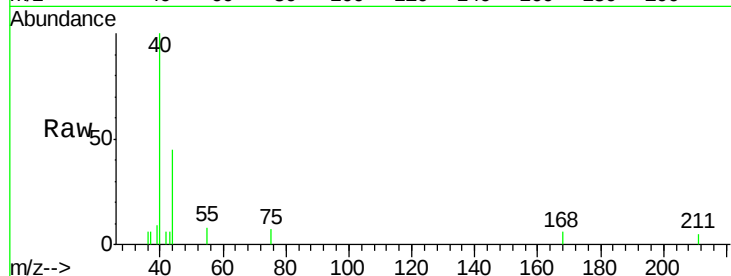
Tot Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

110 0.0 20.5 61.6#

77 0.0 27.0 40.4#



#37

Ethyl Acetate

Concen: 6.049 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

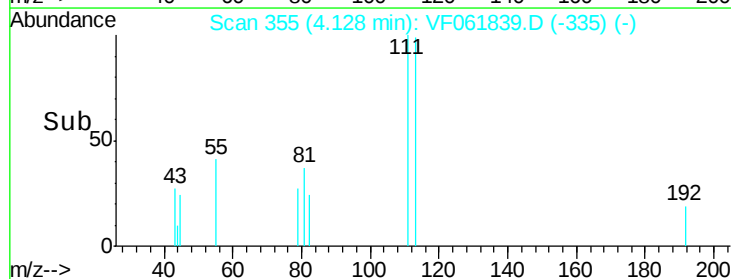
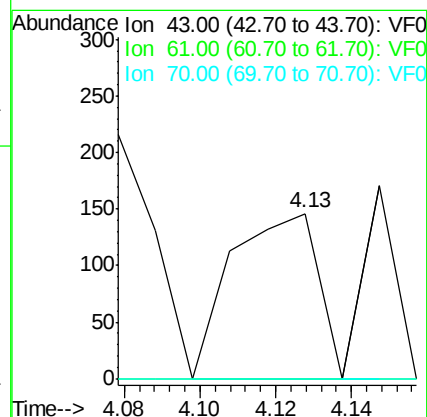
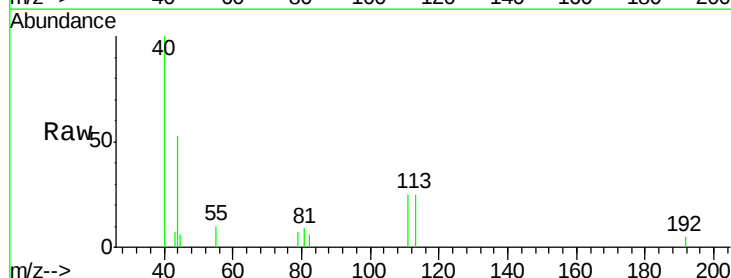
Tgt Ion: 43 Resp: 231

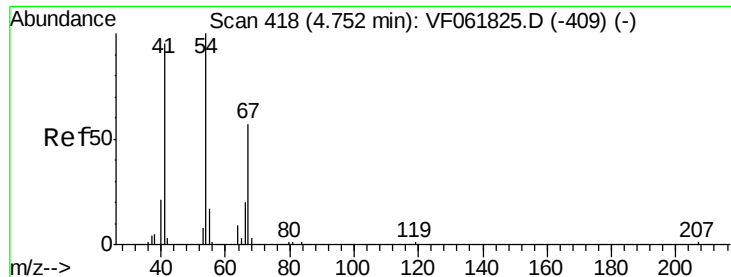
Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

70 0.0 8.5 12.7#

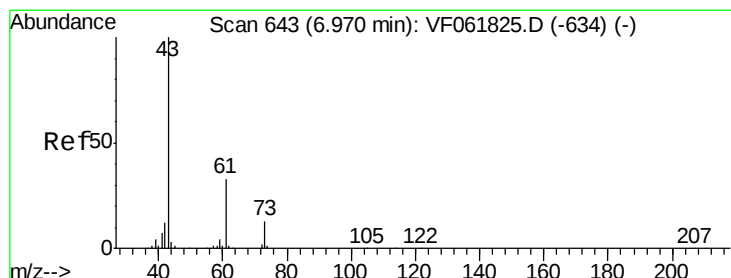
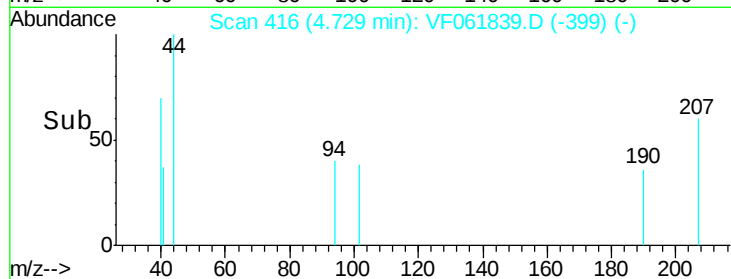
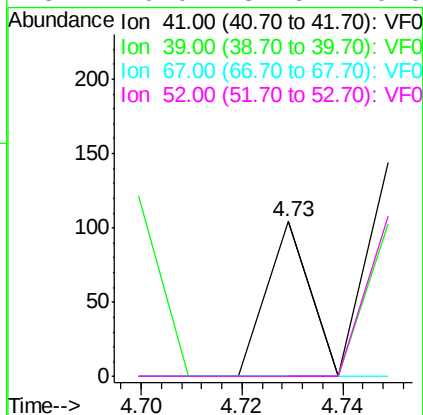
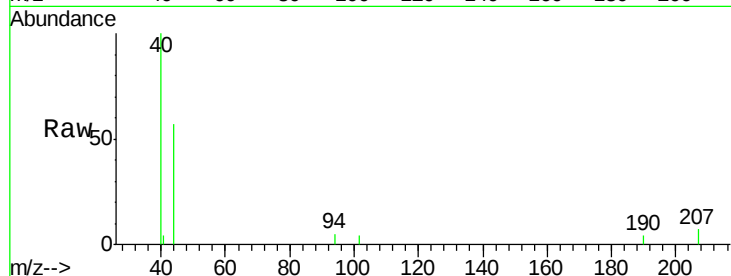




#41
Methacrylonitrile
Concen: 3.175 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.03 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

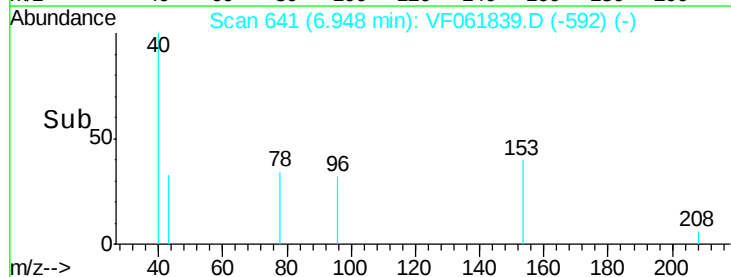
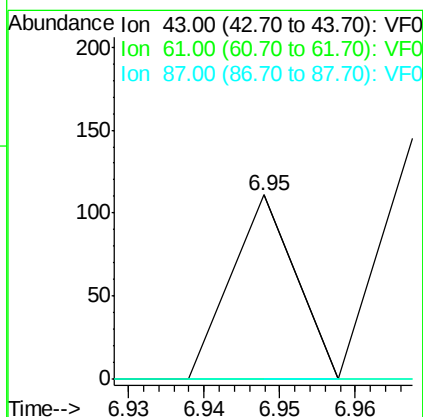
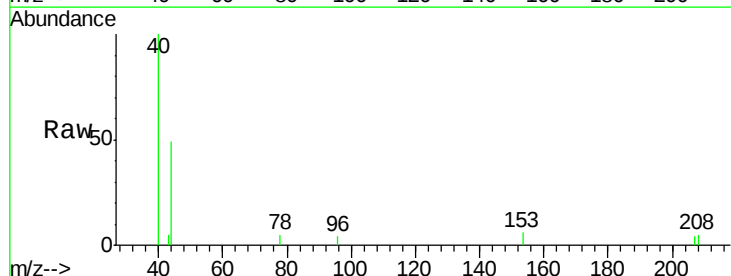
Instrument :
MSVOA_F
ClientSampled :
Z-2-2

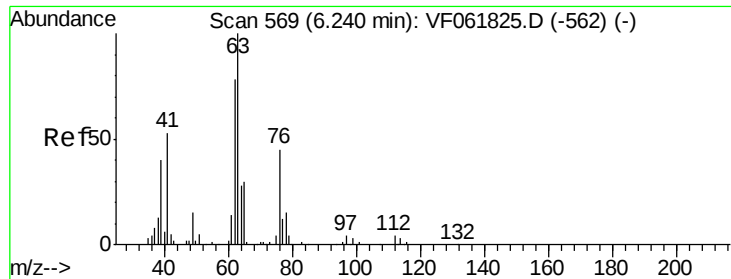
Tot Ion:	41	Resp:	62
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.3	67.9#
67	0.0	49.3	73.9#
52	0.0	32.6	49.0#



#43
Isopropyl Acetate
Concen: 1.460 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

Tgt Ion:	43	Resp:	66
Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.8	38.6#
87	0.0	0.4	0.6#





#45

1,2-Dichloropropane

Concen: 1.462 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampled :

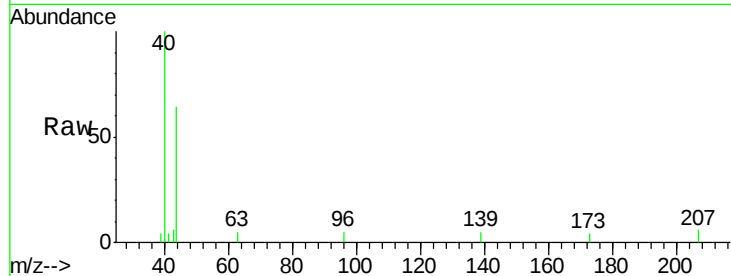
Z-2-2

Tot Ion: 63 Resp: 76

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.23

150

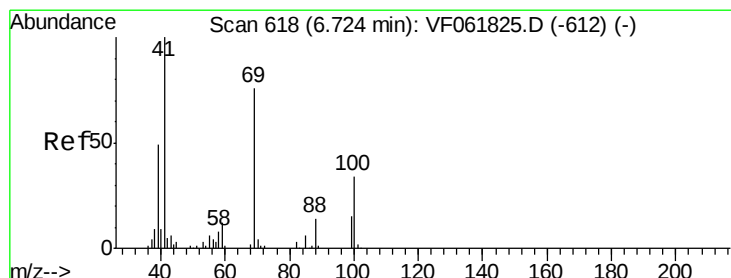
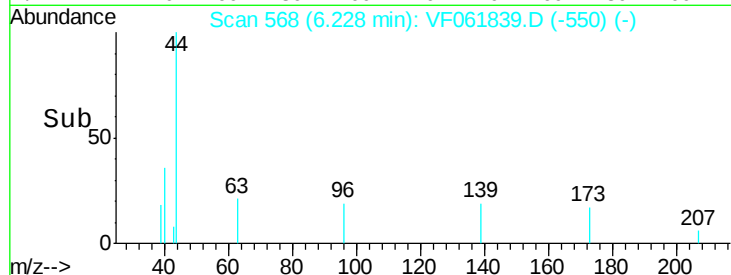
100

50

0

6.20 6.22 6.24 6.26

Time-->



#48

Methyl methacrylate

Concen: 3.088 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.04 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

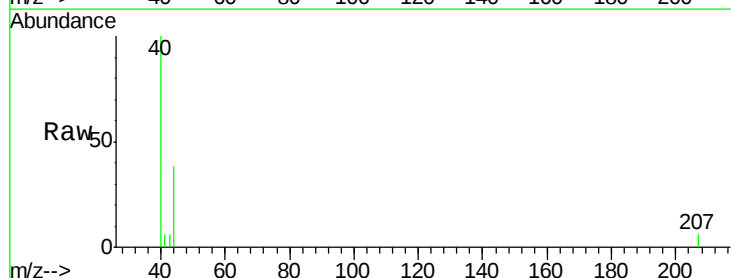
Tgt Ion: 41 Resp: 84

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

6.68

150

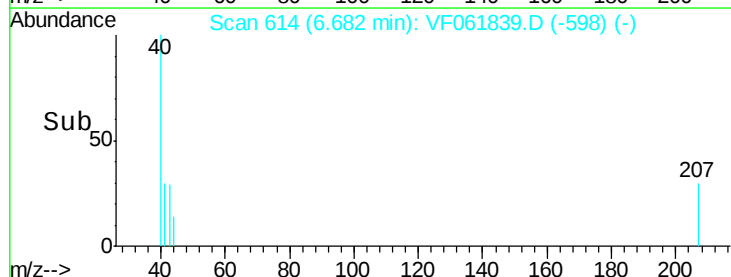
100

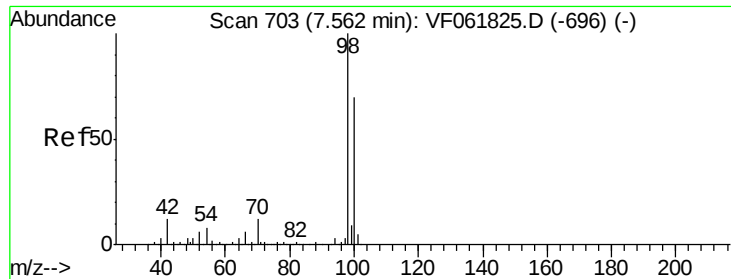
50

0

6.66 6.68 6.70

Time-->

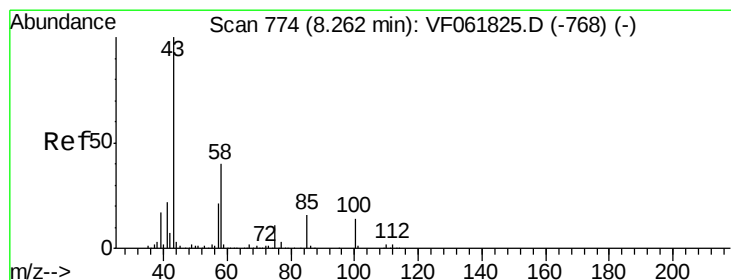
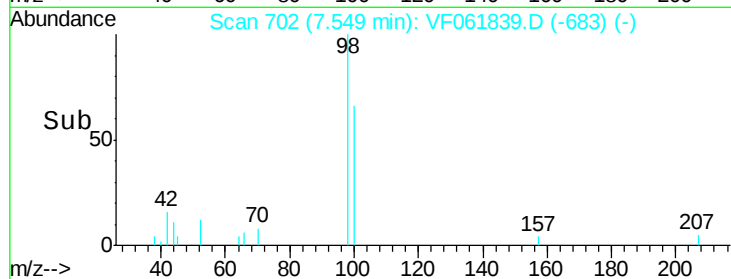
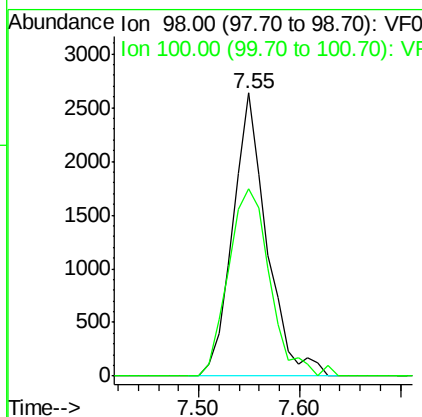
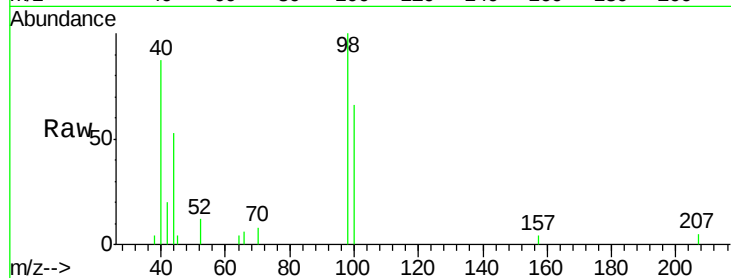




#50
Toluene-d8
Concen: 34.832 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

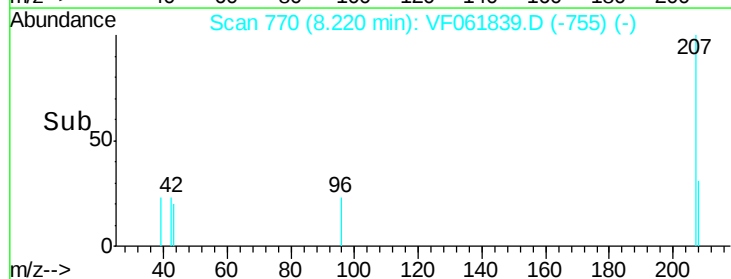
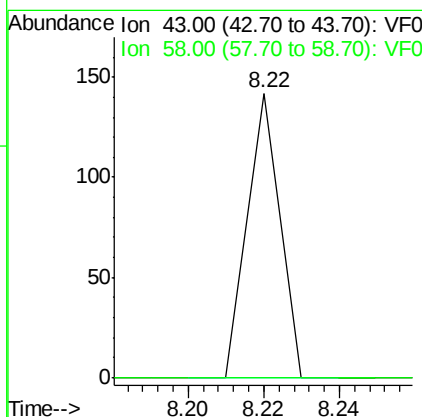
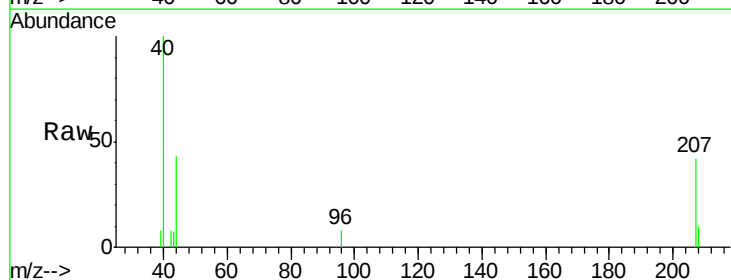
Instrument :
MSVOA_F
ClientSampled :
Z-2-2

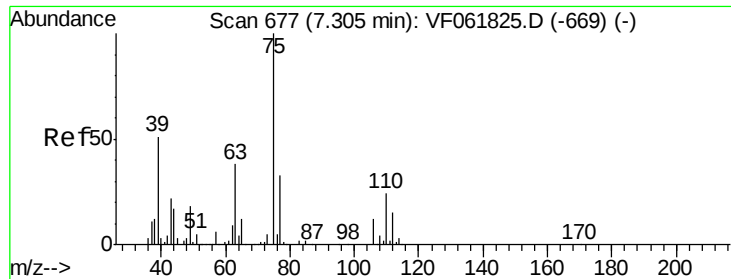
Tot Ion: 98 Resp: 6171
Ion Ratio Lower Upper
98 100
100 66.0 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 2.601 ug/l
RT: 8.22 min Scan# 770
Delta R.T. -0.05 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#54

cis-1,3-Dichloropropene

Concen: 1.815 ug/l

RT: 7.41 min Scan# 688

Delta R.T. 0.10 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampleId :

Z-2-2

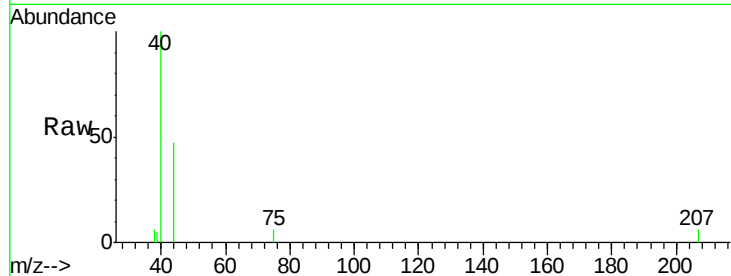
Tot Ion: 75 Resp: 141

Ion Ratio Lower Upper

75 100

77 0.0 26.4 39.6#

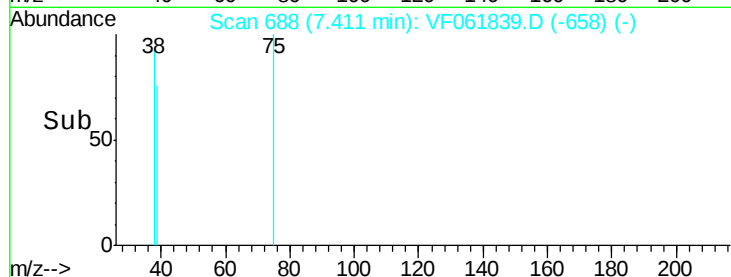
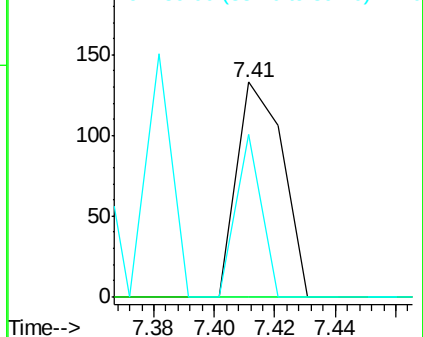
39 75.9 36.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 9.374 ug/l

RT: 7.23 min Scan# 670

Delta R.T. -0.07 min

Lab File: VF061839.D

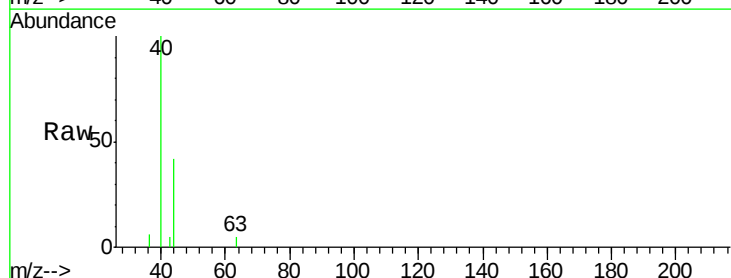
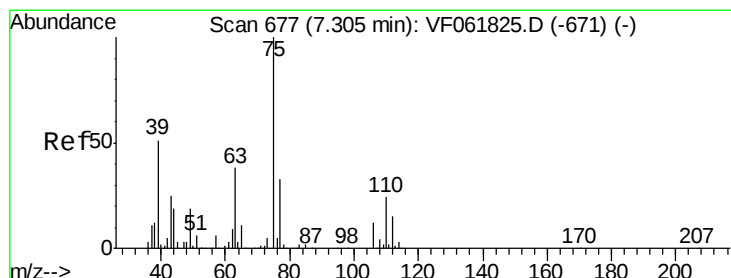
Acq: 5 Mar 2019 1:08

Tgt Ion: 63 Resp: 69

Ion Ratio Lower Upper

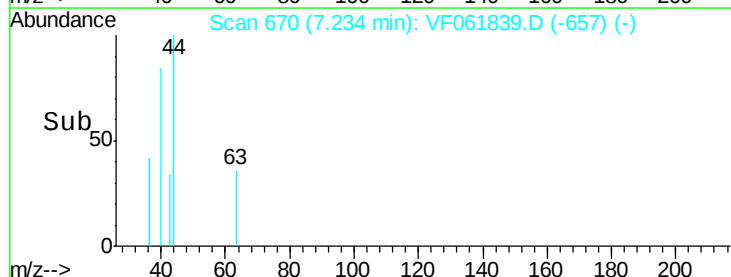
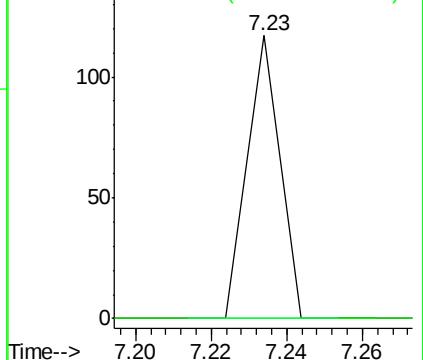
63 100

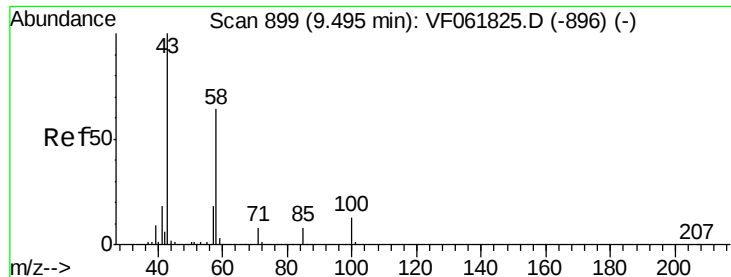
106 0.0 24.6 36.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

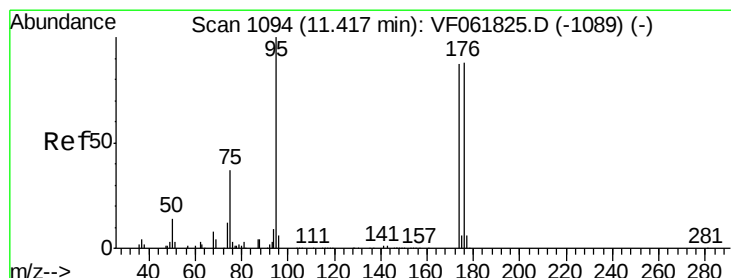
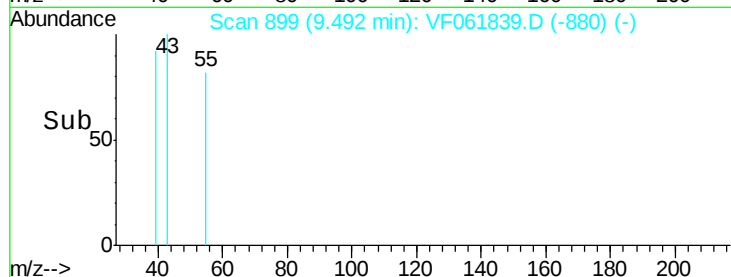
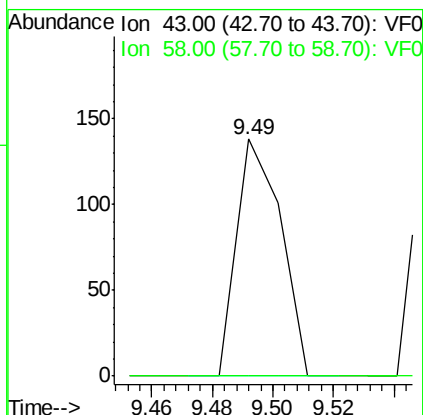
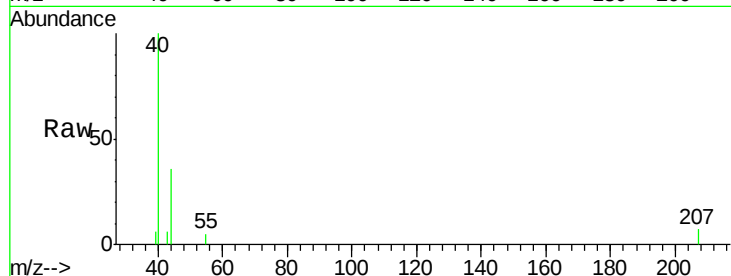




#59
2-Hexanone
Concen: 6.228 ug/l
RT: 9.49 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

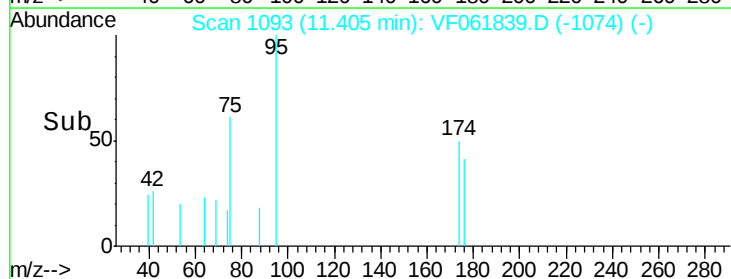
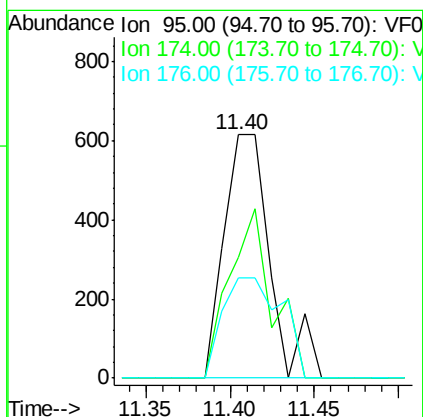
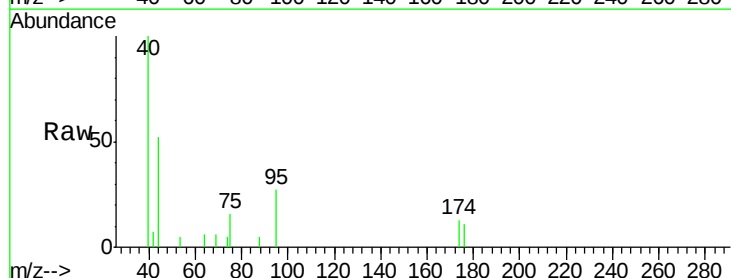
Instrument :
MSVOA_F
ClientSampleId :
Z-2-2

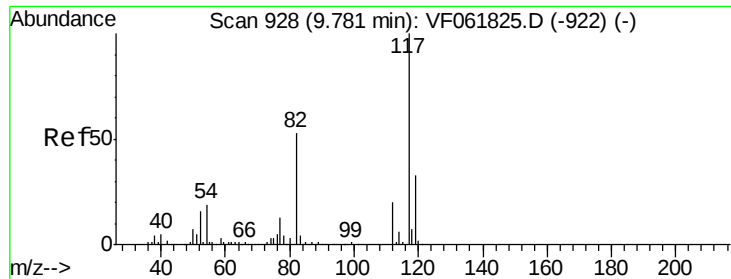
Tot Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 16.252 ug/l
RT: 11.40 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

Tgt Ion: 95 Resp: 1165
Ion Ratio Lower Upper
95 100
174 49.8 0.0 165.8
176 41.5 0.0 167.0

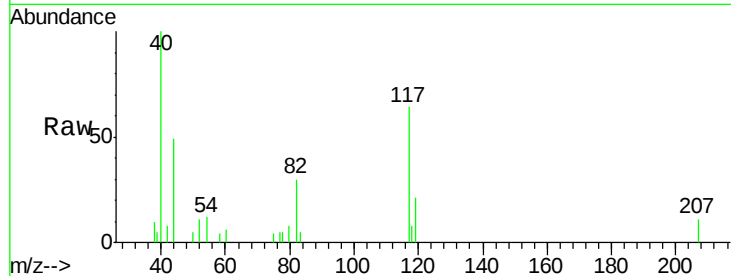




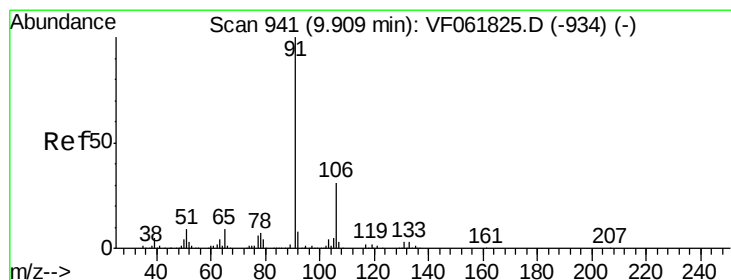
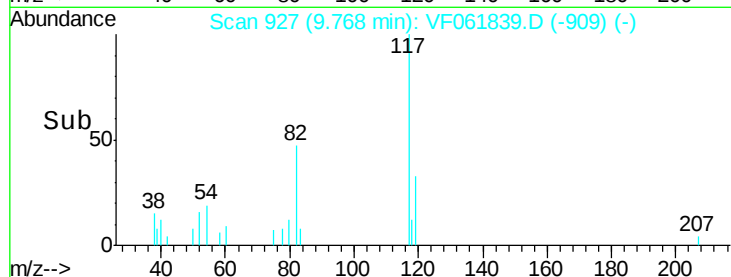
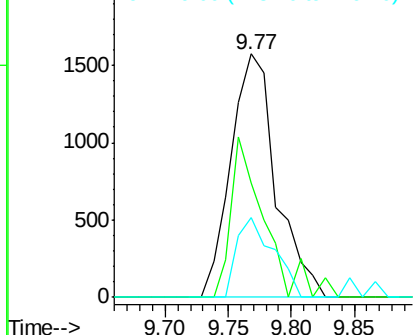
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

Instrument :
MSVOA_F
ClientSampleId :
Z-2-2

Tot Ion:117 Resp: 3916
Ion Ratio Lower Upper
117 100
82 47.0 39.3 58.9
119 32.9 26.6 40.0

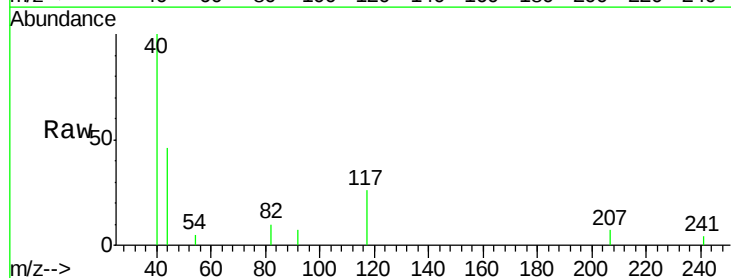


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

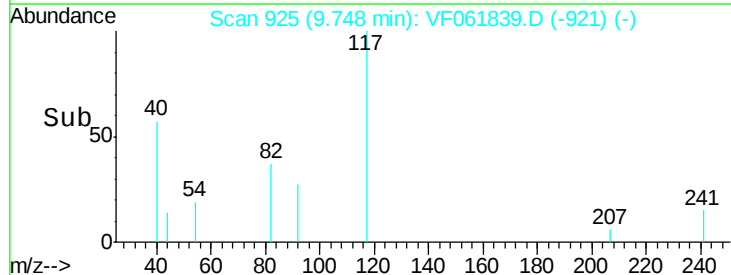
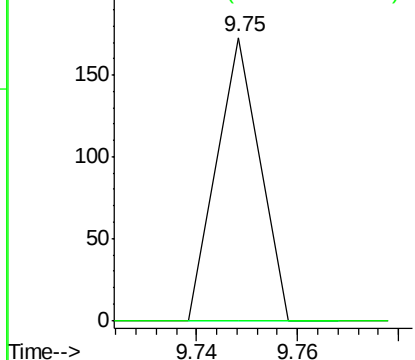


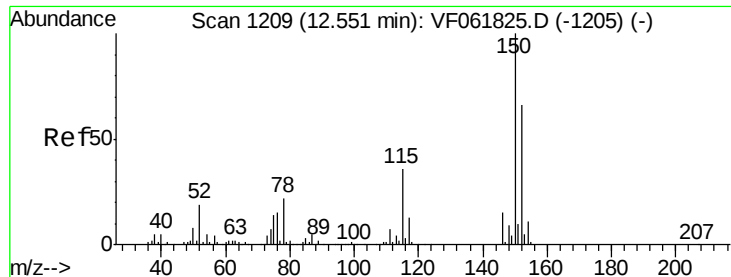
#67
Ethyl Benzene
Concen: 0.772 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.16 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

Tgt Ion: 91 Resp: 102
Ion Ratio Lower Upper
91 100
106 0.0 24.1 36.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampleId :

Z-2-2

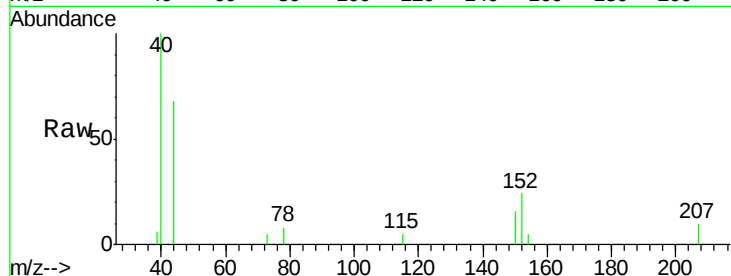
Tot Ion:152 Resp: 748

Ion Ratio Lower Upper

152 100

115 21.0 24.3 72.8#

150 67.4 0.0 312.0

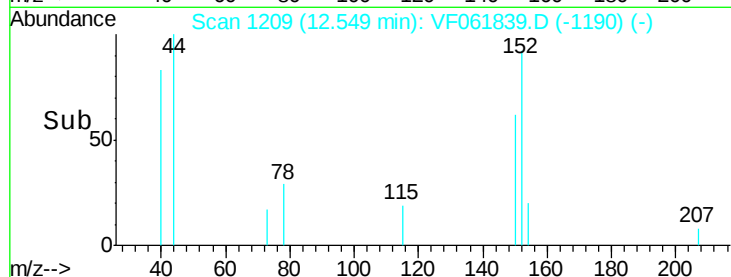


Abundance Ion 152.00 (151.70 to 152.70): V

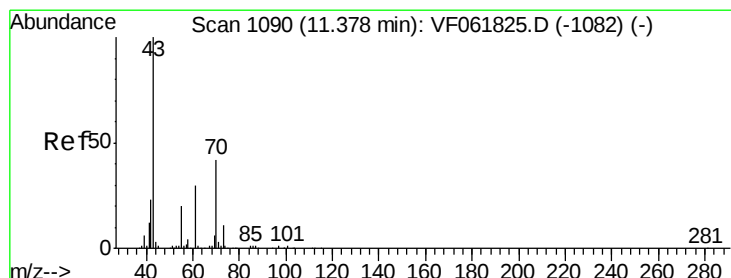
Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

Time-->



Time-->



#74

N-ethyl acetate

Concen: 6.415 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Tgt Ion: 43 Resp: 82

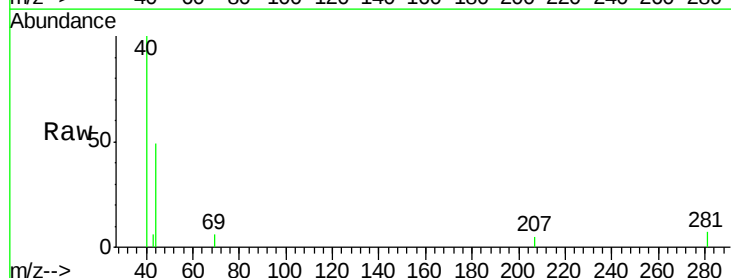
Ion Ratio Lower Upper

43 100

70 0.0 31.5 47.3#

55 0.0 16.7 25.1#

61 0.0 23.0 34.6#



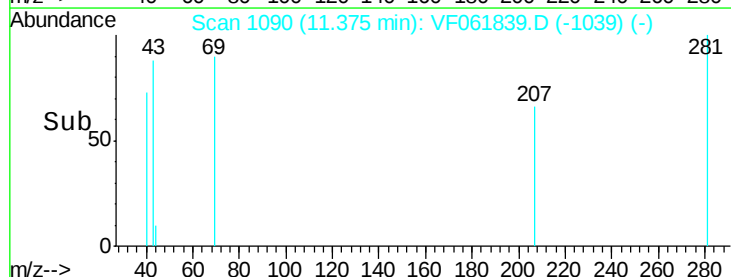
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

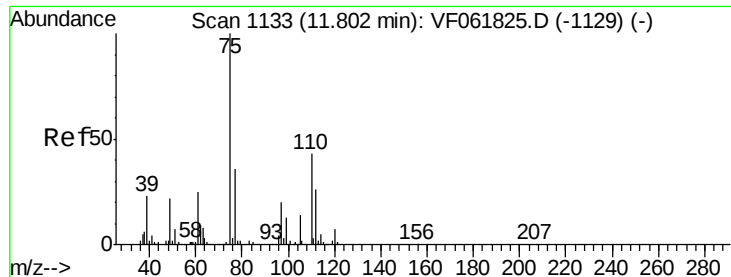
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 10.174 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.13 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampleId :

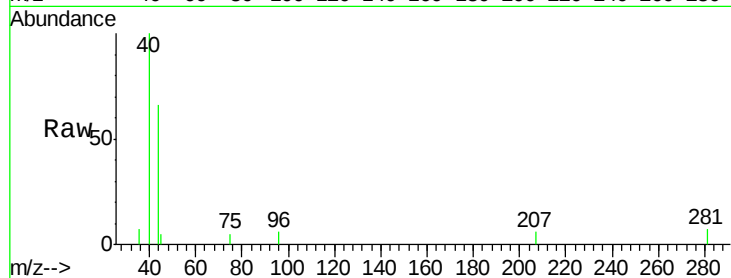
Z-2-2

Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

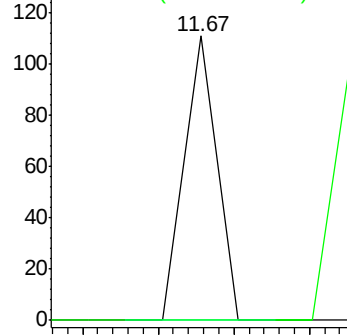
75 100

77 0.0 16.6 49.7#

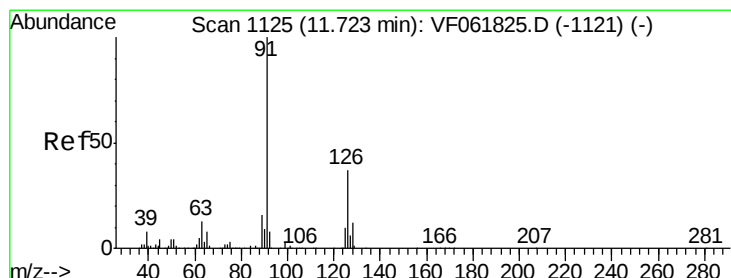
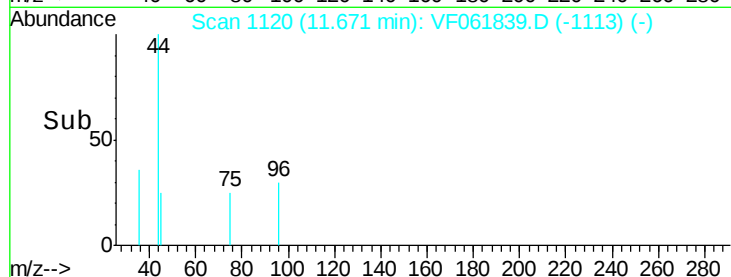


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time--> 11.64 11.66 11.68 11.70



#79

2-Chlorotoluene

Concen: 1.811 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.04 min

Lab File: VF061839.D

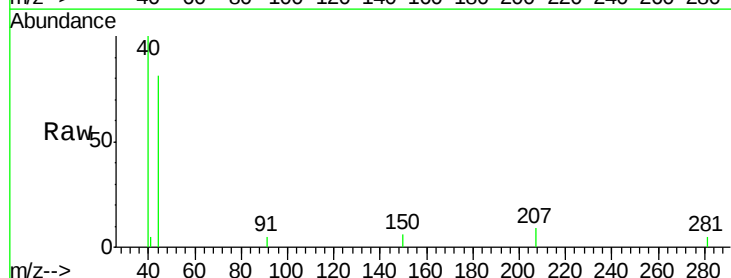
Acq: 5 Mar 2019 1:08

Tgt Ion: 91 Resp: 62

Ion Ratio Lower Upper

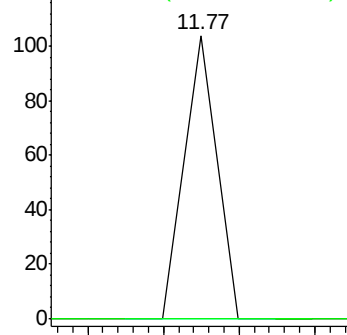
91 100

126 0.0 19.8 59.4#

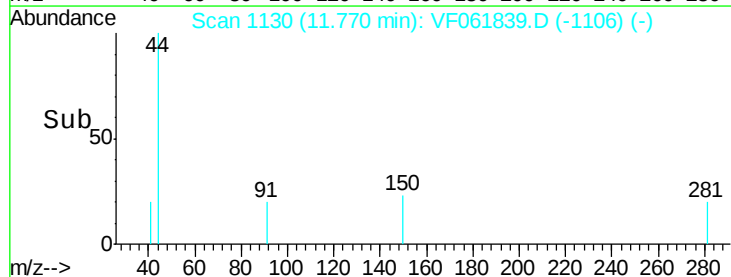


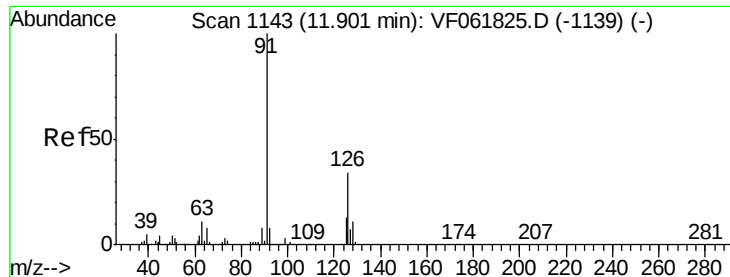
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time--> 11.74 11.76 11.78 11.80

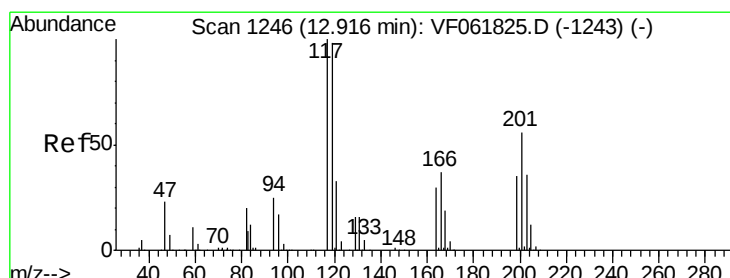
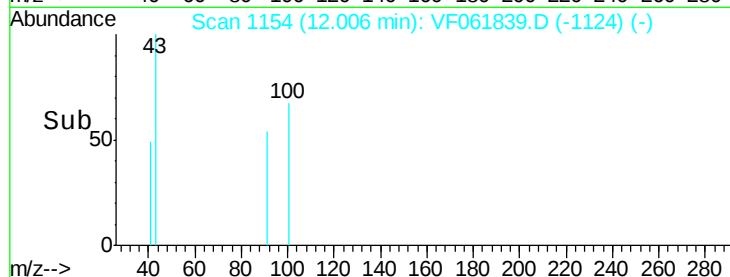
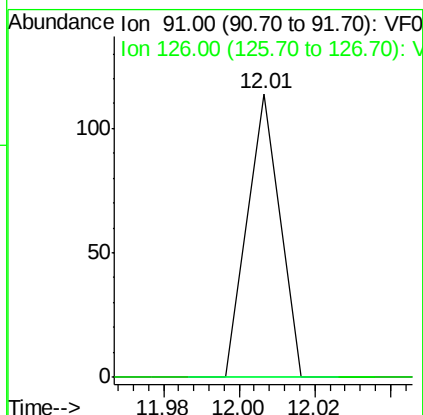
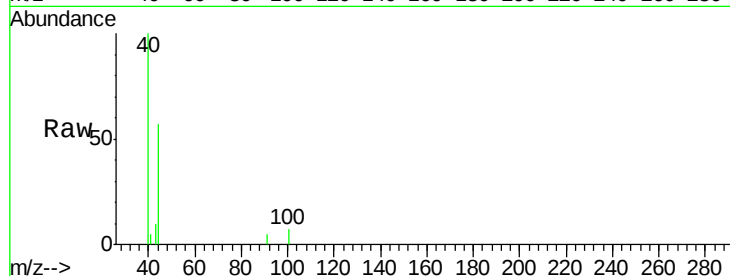




#82
4-Chlorotoluene
Concen: 1.886 ug/l
RT: 12.01 min Scan# 1154
Delta R.T. 0.10 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

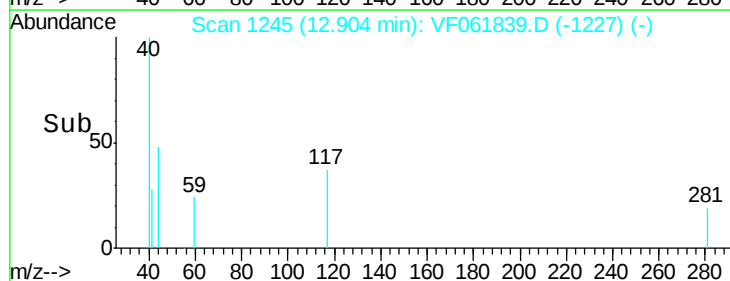
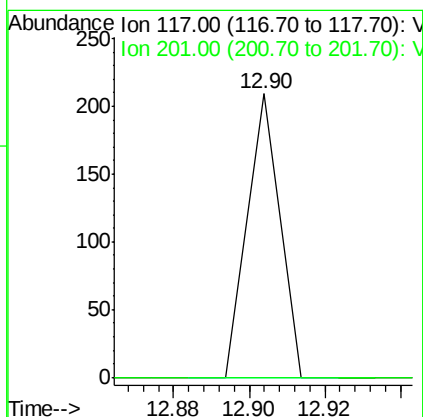
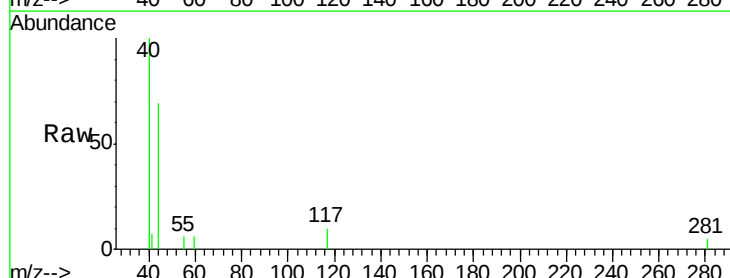
Instrument :
MSVOA_F
ClientSampled :
Z-2-2

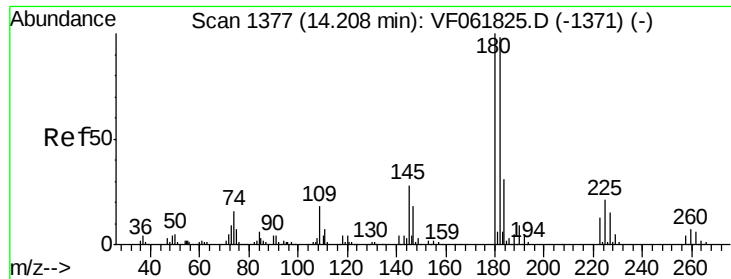
Tot Ion: 91 Resp: 67
Ion Ratio Lower Upper
91 100
126 0.0 19.1 57.1#



#90
Hexachloroethane
Concen: 10.421 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061839.D
Acq: 5 Mar 2019 1:08

Tgt Ion: 117 Resp: 124
Ion Ratio Lower Upper
117 100
201 0.0 36.2 108.6#





#93

1,2,4-Trichlorobenzene

Concen: 3.831 ug/l

RT: 14.28 min Scan# 1385

Delta R.T. 0.08 min

Lab File: VF061839.D

Acq: 5 Mar 2019 1:08

Instrument :

MSVOA_F

ClientSampleId :

Z-2-2

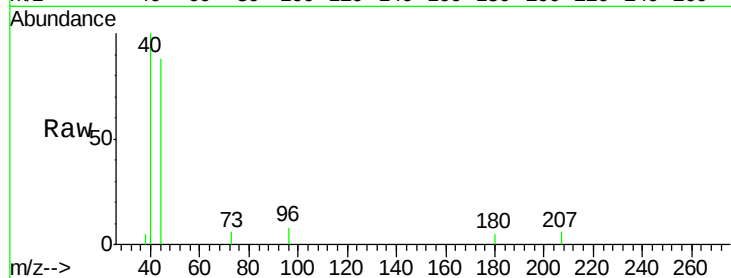
Tot Ion:180 Resp: 67

Ion Ratio Lower Upper

180 100

182 0.0 48.6 145.9#

145 0.0 15.3 45.9#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

