

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061835.D
 Acq On : 4 Mar 2019 23:13
 Operator : VA/AP
 Sample : K1707-03
 Misc : 5.55µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S11

Quant Time: Mar 05 05:04:29 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	4.87	168	719	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	567	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	75	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.56	152	70	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.69	65	76	14.41	ug/l	-0.17
Spiked Amount	50.000		Recovery	=	28.82%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.55	98	137	11.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	22.64%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.04	85	71	8.599	ug/l #	43
3) Chloromethane	1.11	50	66	7.618	ug/l #	1
4) Vinyl Chloride	1.12	62	79	9.809	ug/l #	40
5) Bromomethane	1.28	94	252	45.464	ug/l #	3
6) Chloroethane	1.35	64	67	16.881	ug/l #	40
8) Diethyl Ether	1.67	74	74	30.229	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.71	101	71	10.132	ug/l #	22
10) Methyl Iodide	1.87	142	72	5.379	ug/l #	39
12) 1,1-Dichloroethene	1.81	96	82	13.309	ug/l #	1
13) Acrolein	2.01	56	337	878.730	ug/l #	1
14) Allyl chloride	2.10	41	472	62.431	ug/l #	70
15) Acrylonitrile	2.96	53	256	236.523	ug/l #	18
16) Acetone	2.30	43	1065	941.437	ug/l #	46
17) Carbon Disulfide	1.87	76	65	3.356	ug/l #	73
18) Methyl Acetate	2.33	43	645	253.097	ug/l #	59
19) Methyl tert-butyl Ether	2.42	73	145	13.771	ug/l #	57
20) Methylene Chloride	2.21	84	119	17.414	ug/l #	5
21) trans-1,2-Dichloroethene	2.29	96	170	25.382	ug/l #	1
22) Diisopropyl ether	2.76	45	909	50.088	ug/l #	24
23) Vinyl Acetate	3.17	43	645	72.766	ug/l #	74
24) 1,1-Dichloroethane	2.85	63	218	19.850	ug/l #	86
25) 2-Butanone	4.31	43	308	124.646	ug/l #	55
26) 2,2-Dichloropropane	3.47	77	123	26.440	ug/l #	52
27) cis-1,2-Dichloroethene	3.44	96	228	25.935	ug/l	1
29) Tetrahydrofuran	4.08	42	188	167.395	ug/l #	33
31) Cyclohexane	3.72	56	63	5.299	ug/l #	16
36) 1,1-Dichloropropene	4.20	75	69	12.285	ug/l #	37
37) Ethyl Acetate	4.11	43	232	88.927	ug/l #	30
40) Benzene	4.65	78	62	4.220	ug/l #	52
41) Methacrylonitrile	4.71	41	62	46.470	ug/l #	25
42) 1,2-Dichloroethane	5.04	62	67	19.065	ug/l	67
43) Isopropyl Acetate	6.92	43	119	38.535	ug/l #	43
48) Methyl methacrylate	6.69	41	132	71.029	ug/l #	17
51) 4-Methyl-2-Pentanone	8.26	43	250	113.299	ug/l #	34

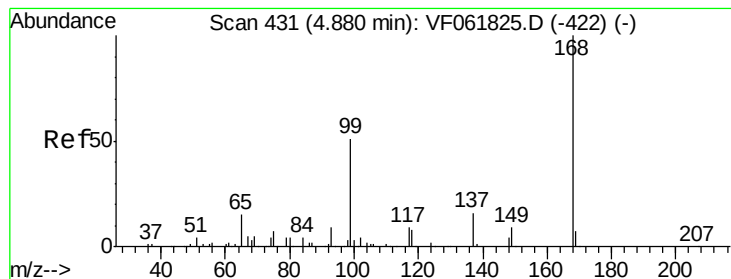
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061835.D
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 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Toluene	7.49	92	69	7.744	ug/l #	1
56) Ethyl methacrylate	8.69	69	60	20.585	ug/l #	26
57) 1,3-Dichloropropane	8.88	76	87	19.910	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.23	63	95	188.908	ug/l #	44
59) 2-Hexanone	9.46	43	238	153.873	ug/l #	23
73) Isopropylbenzene	11.22	105	101	20.265	ug/l #	48
74) N-amyl acetate	11.37	43	79	66.040	ug/l #	44
89) n-Butylbenzene	12.77	91	68	15.040	ug/l #	28
95) Naphthalene	14.46	128	191	66.709	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampled :

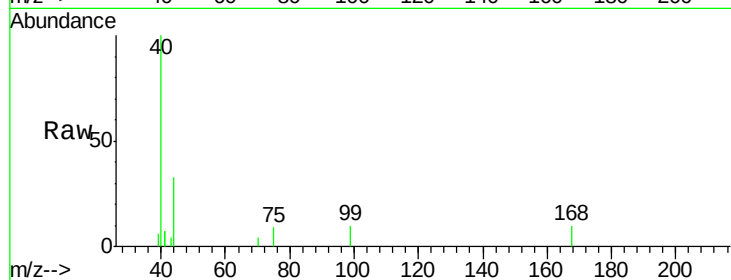
S11

Tot Ion:168 Resp: 719

Ion Ratio Lower Upper

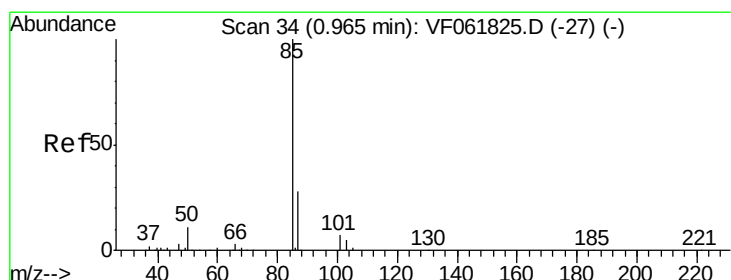
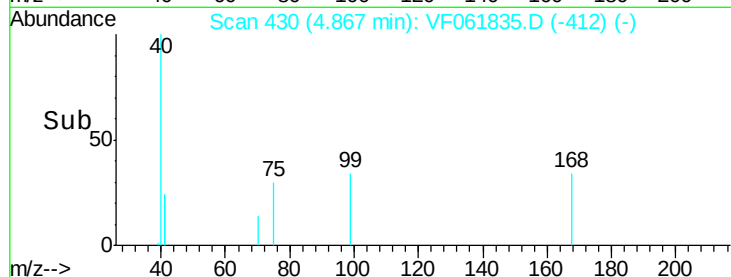
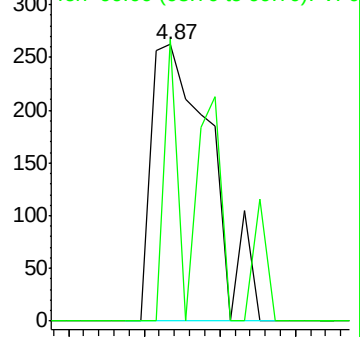
168 100

99 102.3 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 8.599 ug/l

RT: 1.04 min Scan# 42

Delta R.T. 0.08 min

Lab File: VF061835.D

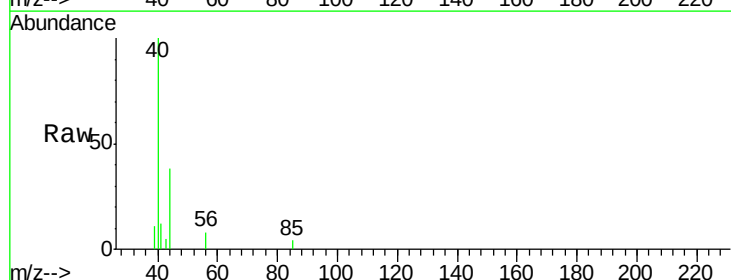
Acq: 4 Mar 2019 23:13

Tgt Ion: 85 Resp: 71

Ion Ratio Lower Upper

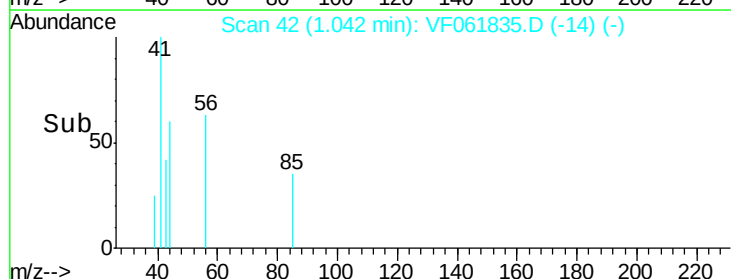
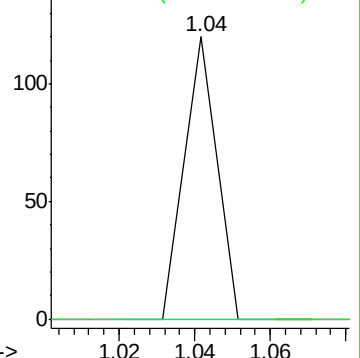
85 100

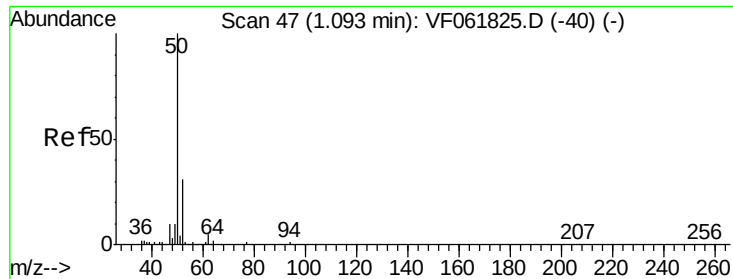
87 0.0 16.1 48.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 7.618 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampled :

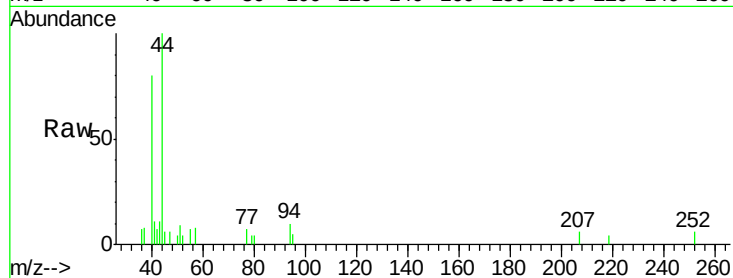
S11

Tot Ion: 50 Resp: 66

Ion Ratio Lower Upper

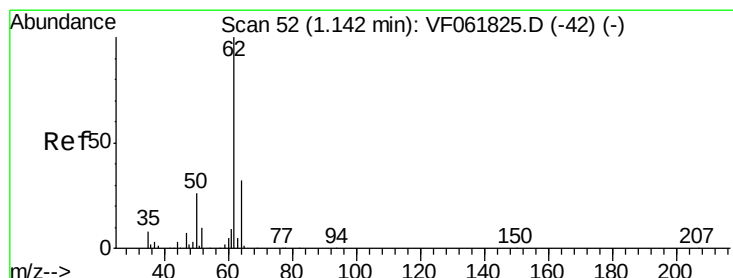
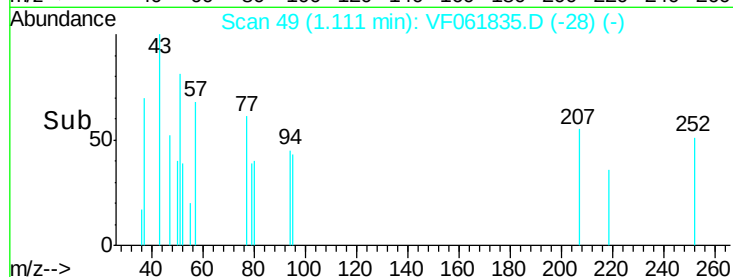
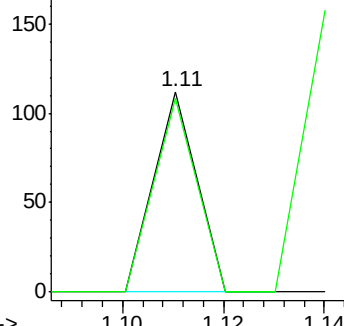
50 100

52 96.4 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: 9.809 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF061835.D

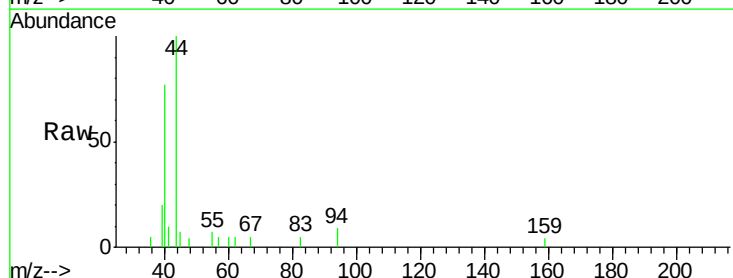
Acq: 4 Mar 2019 23:13

Tgt Ion: 62 Resp: 79

Ion Ratio Lower Upper

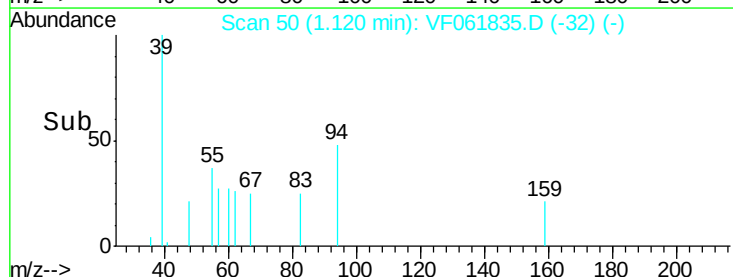
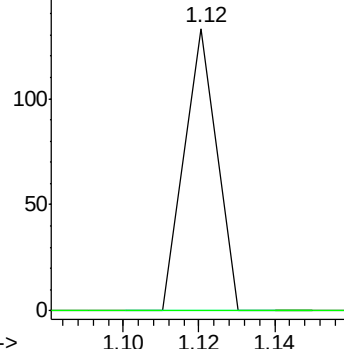
62 100

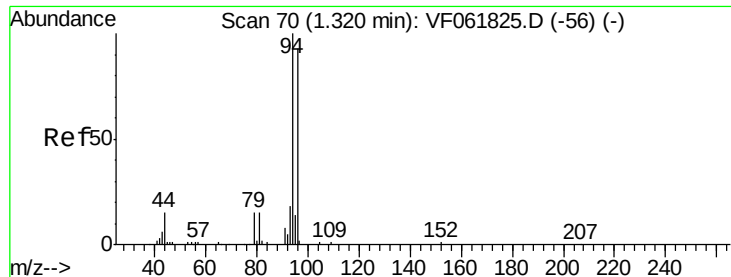
64 0.0 27.5 41.3#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 45.464 ug/l

RT: 1.28 min Scan# 66

Delta R.T. -0.04 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampled :

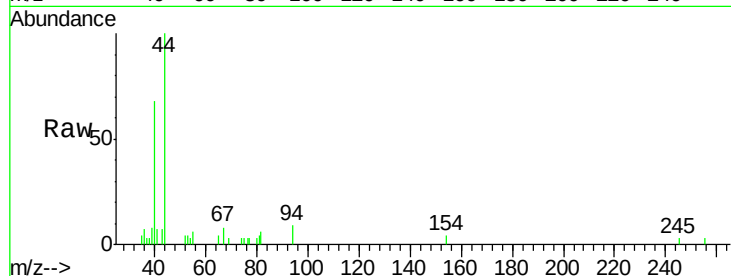
S11

Tot Ion: 94 Resp: 252

Ion Ratio Lower Upper

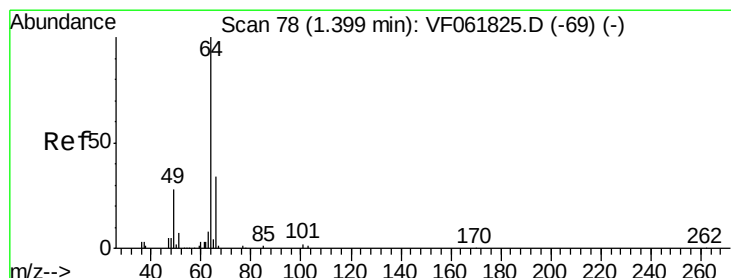
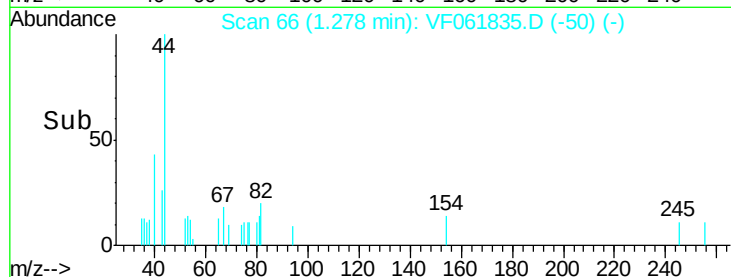
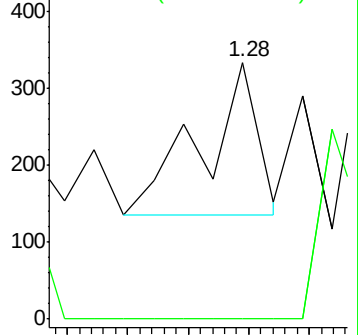
94 100

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: 16.881 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.05 min

Lab File: VF061835.D

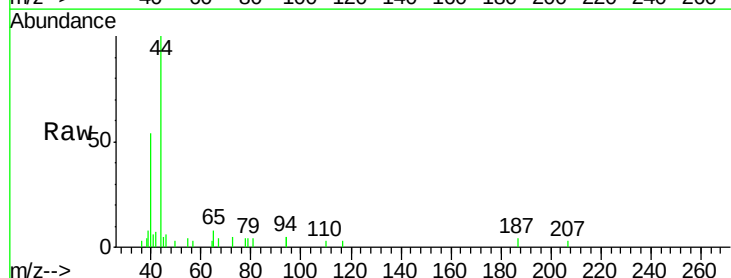
Acq: 4 Mar 2019 23:13

Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

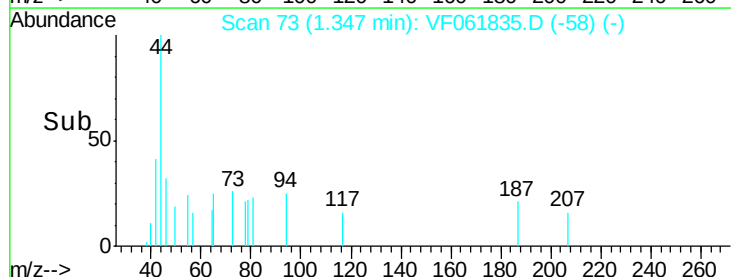
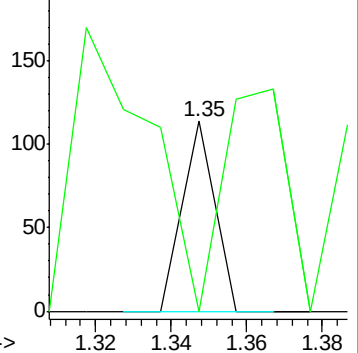
64 100

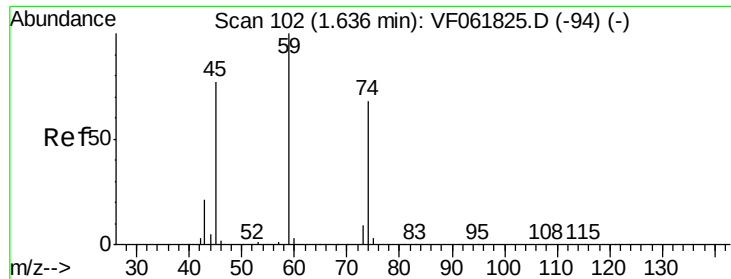
66 0.0 27.9 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 30.229 ug/l

RT: 1.67 min Scan# 106

Delta R.T. 0.04 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampleId :

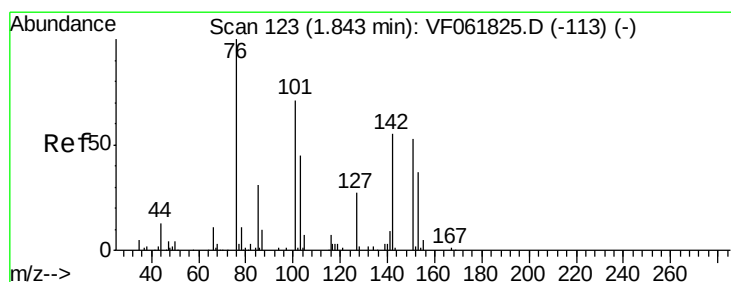
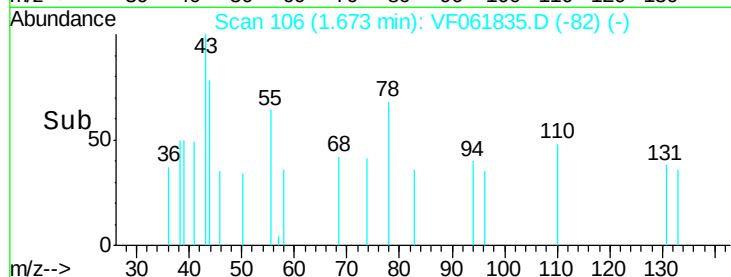
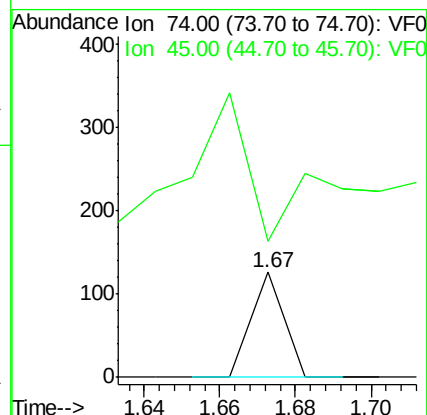
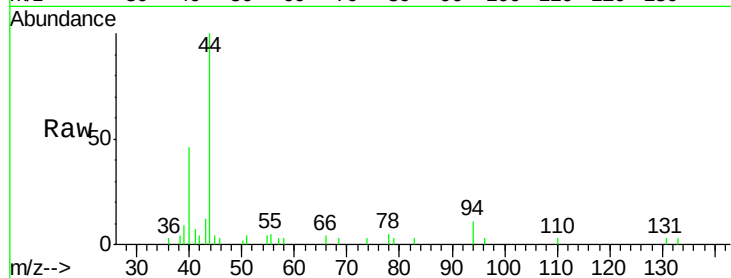
S11

Tot Ion: 74 Resp: 74

Ion Ratio Lower Upper

74 100

45 129.6 60.8 182.3



#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.132 ug/l

RT: 1.71 min Scan# 110

Delta R.T. -0.13 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

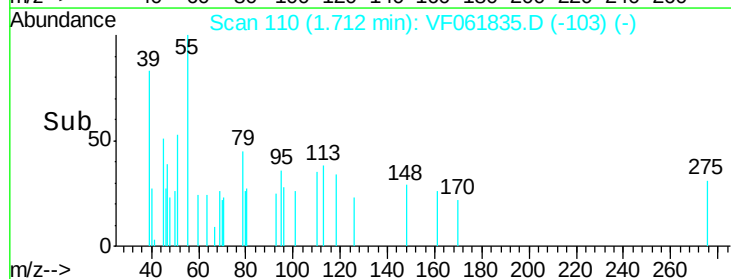
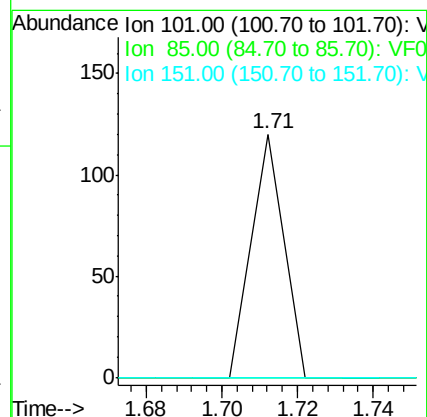
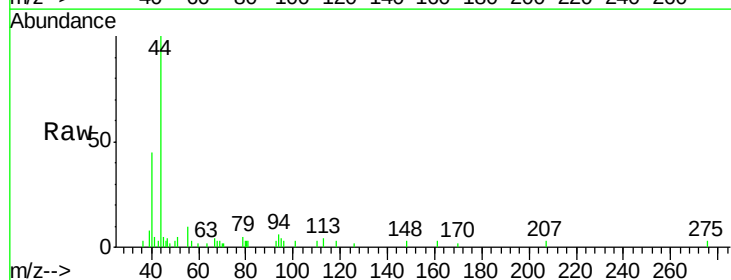
Tgt Ion: 101 Resp: 71

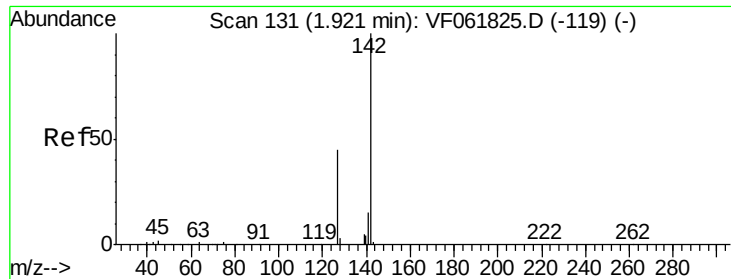
Ion Ratio Lower Upper

101 100

85 0.0 29.8 44.6#

151 0.0 56.3 84.5#

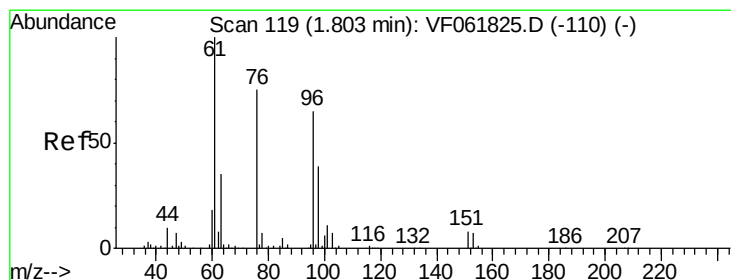
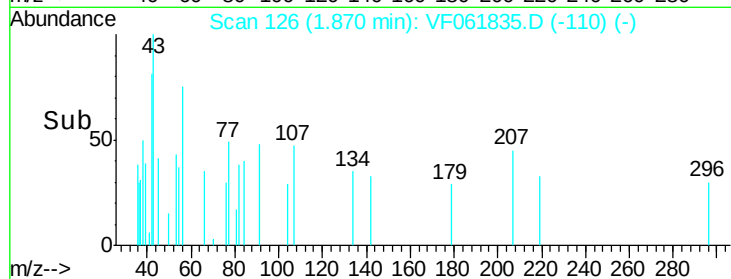
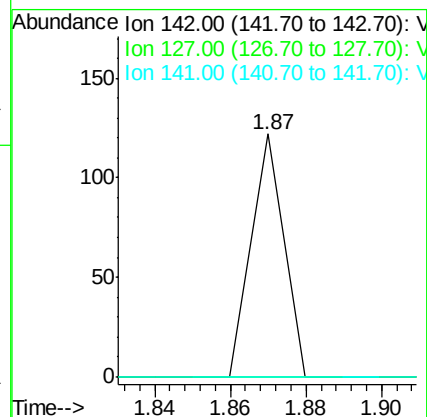
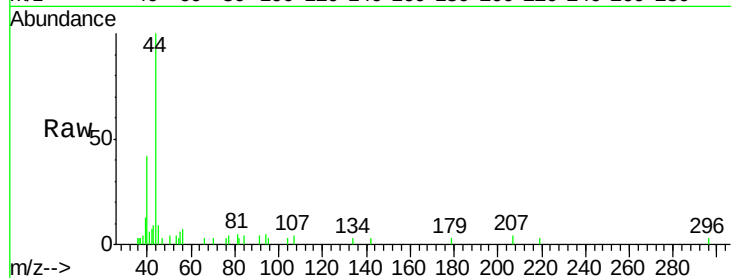




#10
Methyl Iodide
Concen: 5.379 ug/l
RT: 1.87 min Scan# 126
Delta R.T. -0.04 min
Lab File: VF061835.D
Acq: 4 Mar 2019 23:13

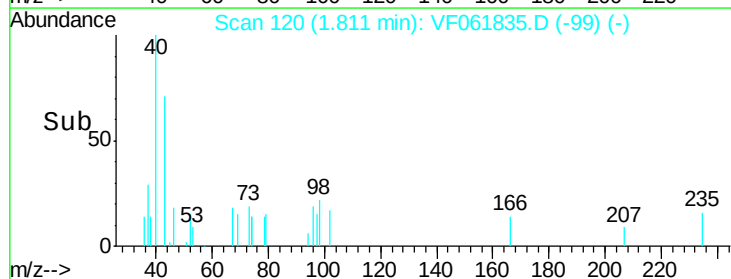
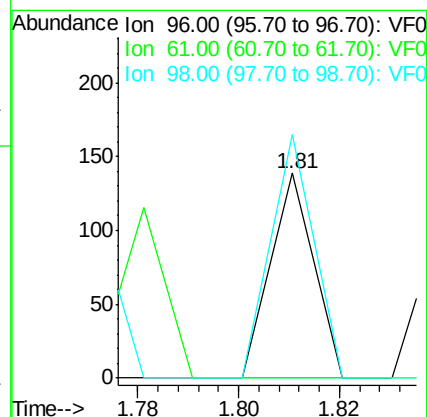
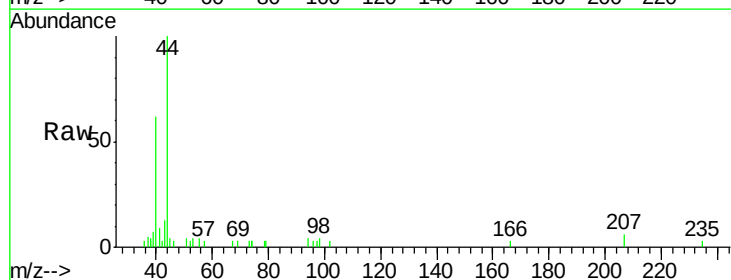
Instrument :
MSVOA_F
ClientSampled :
S11

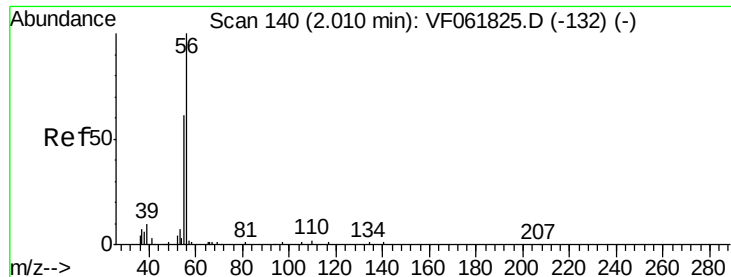
Tot Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 36.6 55.0#
141 0.0 11.0 16.6#



#12
1,1-Dichloroethene
Concen: 13.309 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF061835.D
Acq: 4 Mar 2019 23:13

Tgt Ion: 96 Resp: 82
Ion Ratio Lower Upper
96 100
61 0.0 122.6 184.0#
98 118.7 47.2 70.8#





#13

Acrolein

Concen: 878.730 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampled :

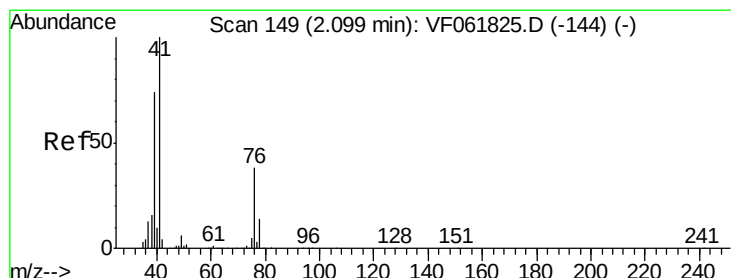
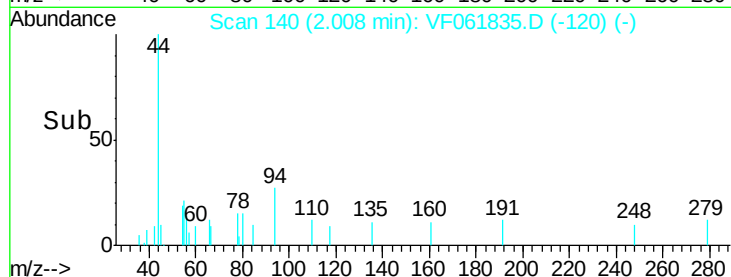
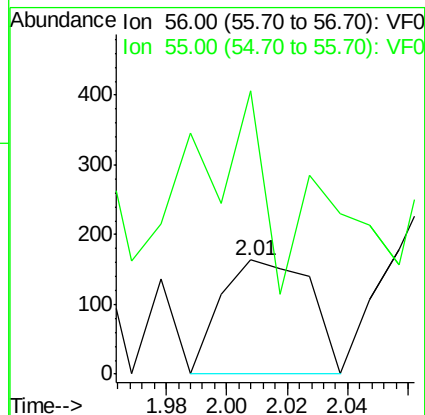
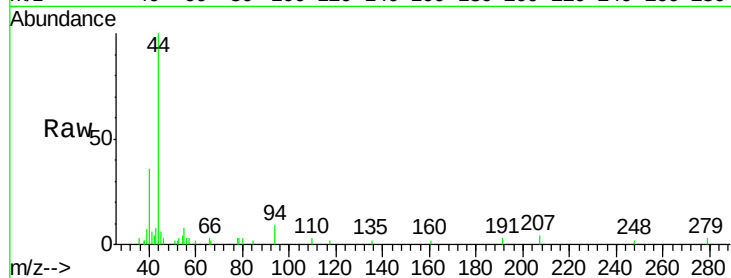
S11

Tot Ion: 56 Resp: 337

Ion Ratio Lower Upper

56 100

55 247.6 55.0 82.6#



#14

Allyl chloride

Concen: 62.431 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.00 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

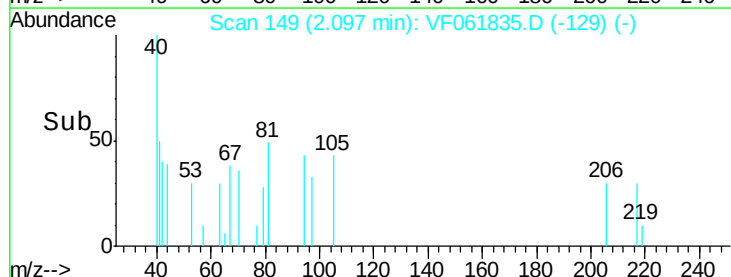
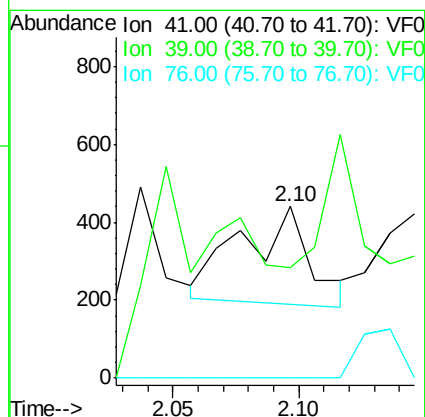
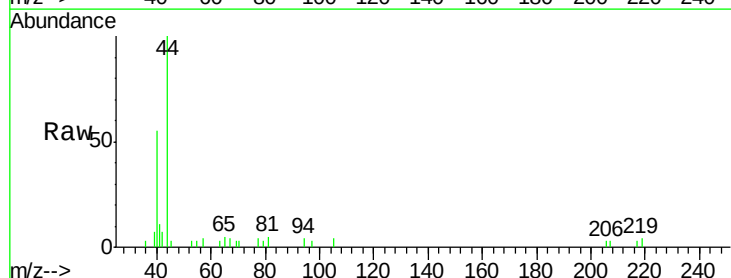
Tgt Ion: 41 Resp: 472

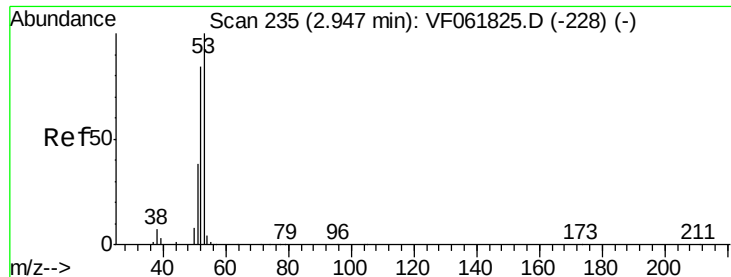
Ion Ratio Lower Upper

41 100

39 64.5 61.6 92.4

76 0.0 30.3 45.5#





#15

Acrylonitrile

Concen: 236.523 ug/l

RT: 2.96 min Scan# 237

Delta R.T. 0.01 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampled :

S11

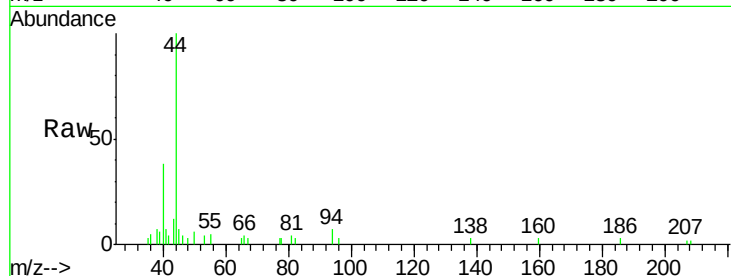
Tot Ion: 53 Resp: 256

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

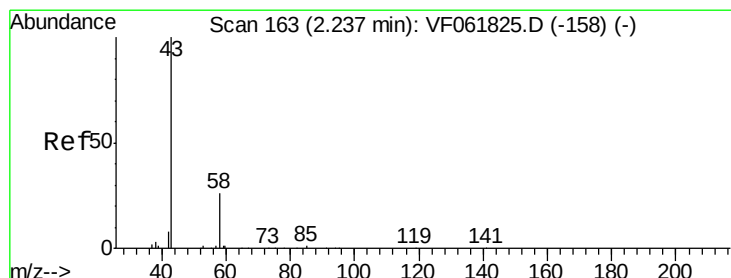
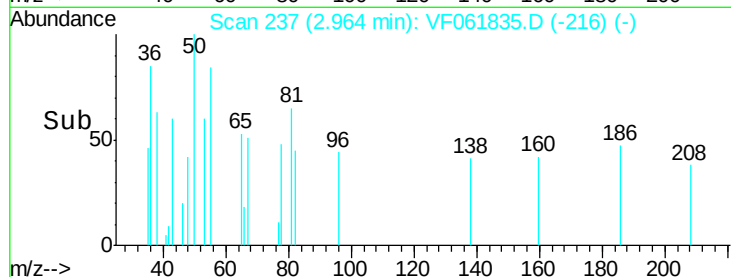
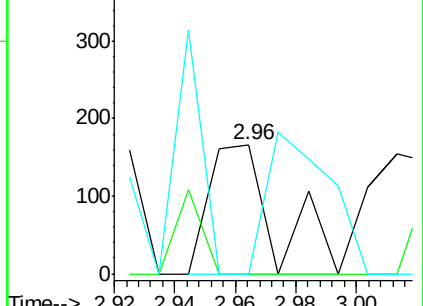
51 0.0 29.8 44.8#



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: 941.437 ug/l

RT: 2.30 min Scan# 170

Delta R.T. 0.06 min

Lab File: VF061835.D

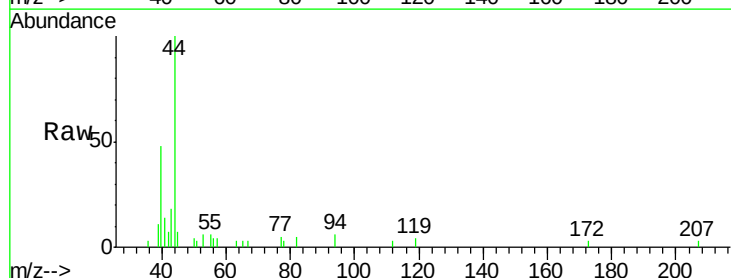
Acq: 4 Mar 2019 23:13

Tgt Ion: 43 Resp: 1065

Ion Ratio Lower Upper

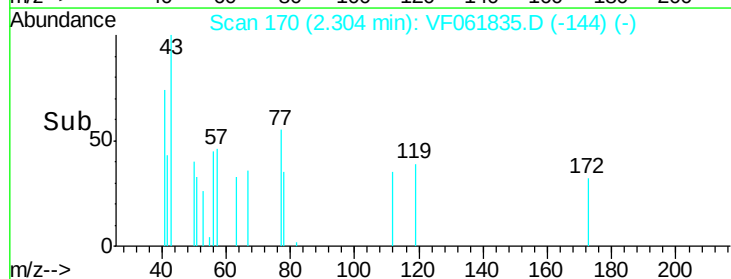
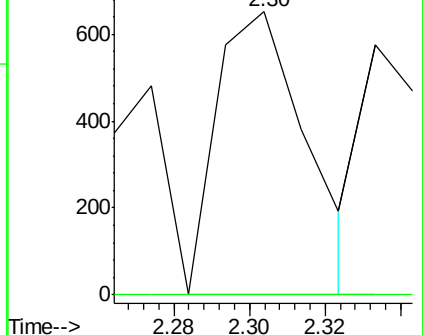
43 100

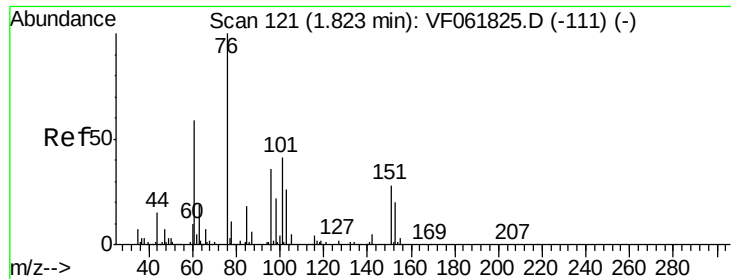
58 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 3.356 ug/l

RT: 1.87 min Scan# 126

Delta R.T. 0.04 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampled :

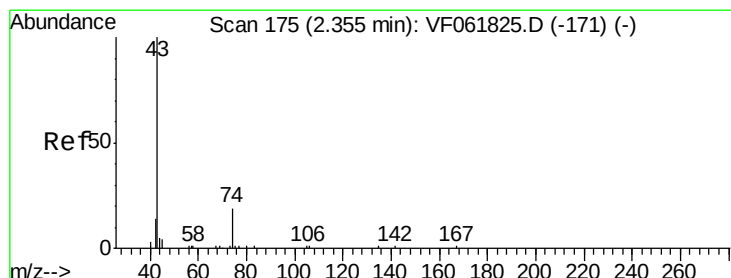
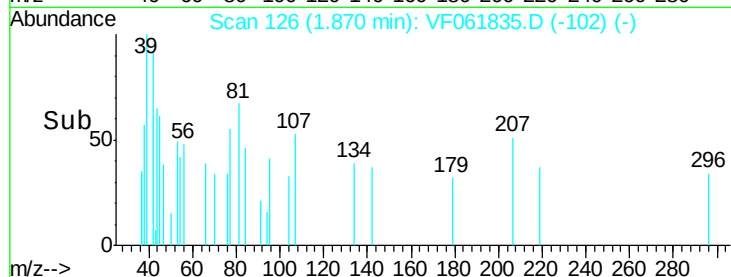
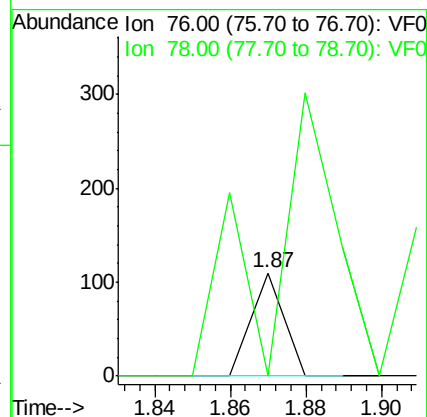
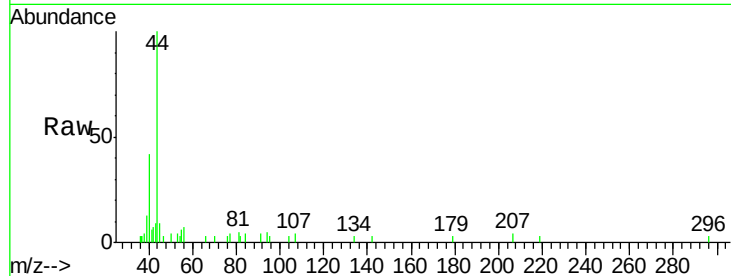
S11

Tot Ion: 76 Resp: 65

Ion Ratio Lower Upper

76 100

78 0.0 7.9 11.9#



#18

Methyl Acetate

Concen: 253.097 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.02 min

Lab File: VF061835.D

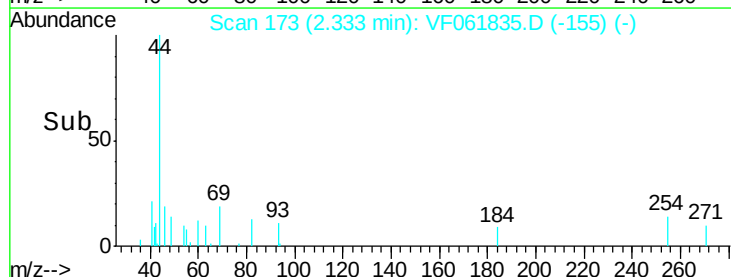
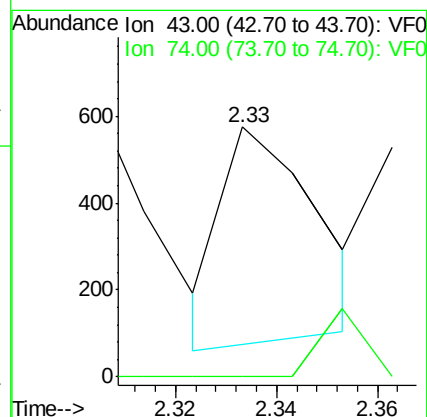
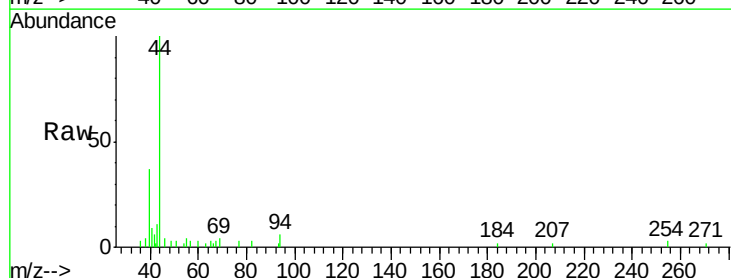
Acq: 4 Mar 2019 23:13

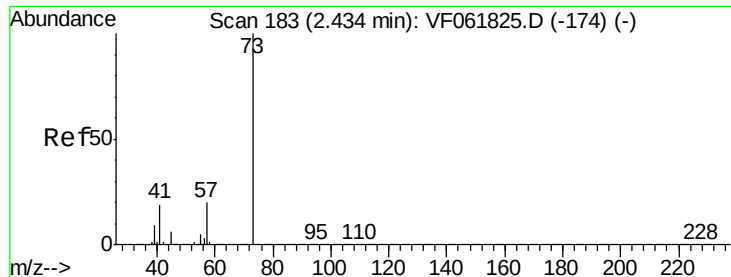
Tgt Ion: 43 Resp: 645

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#



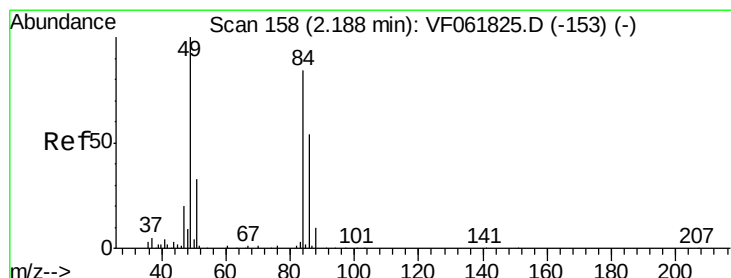
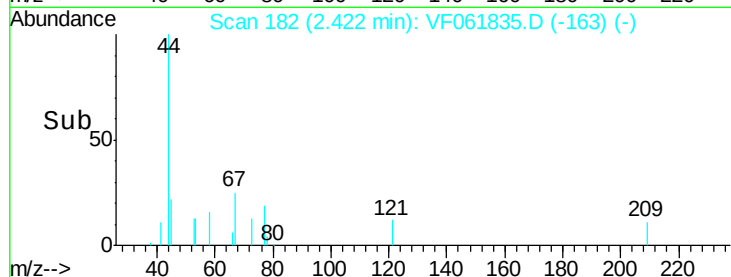
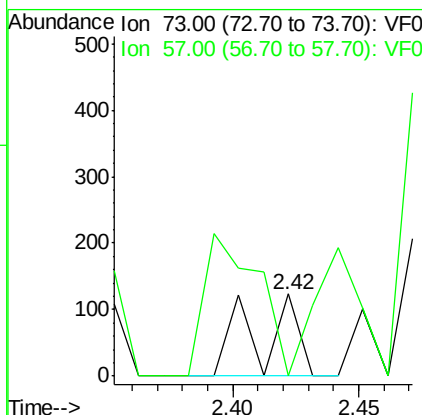
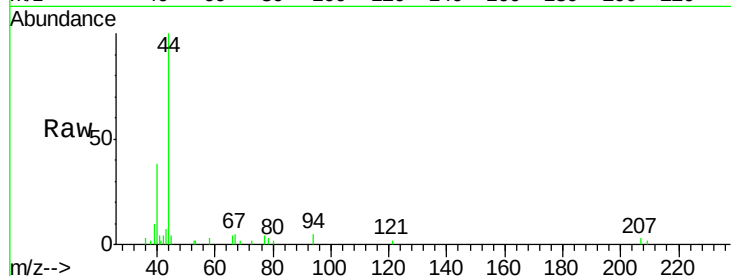


#19

Methyl tert-butyl Ether
 Concen: 13.771 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

Instrument :
 MSVOA_F
 ClientSampled :
 S11

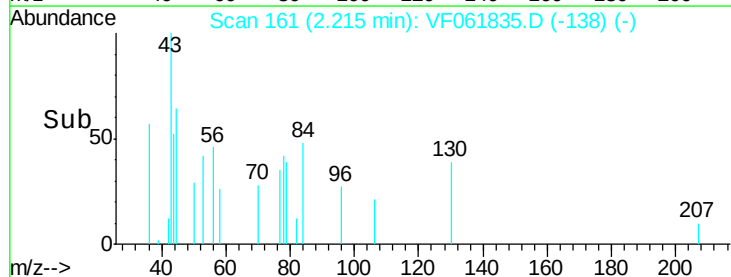
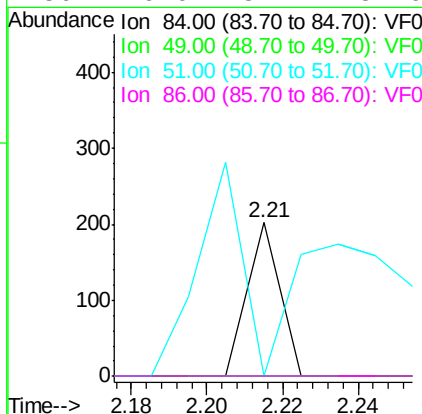
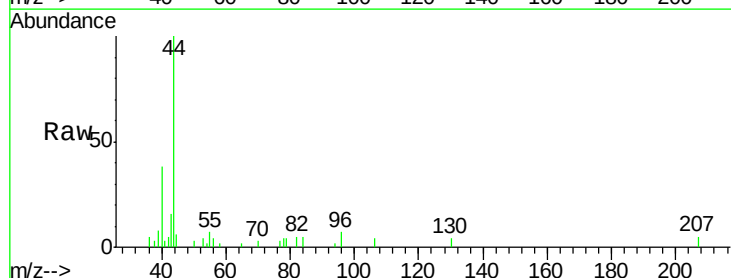
Tot Ion: 73 Resp: 145
 Ion Ratio Lower Upper
 73 100
 57 0.0 15.8 23.8#

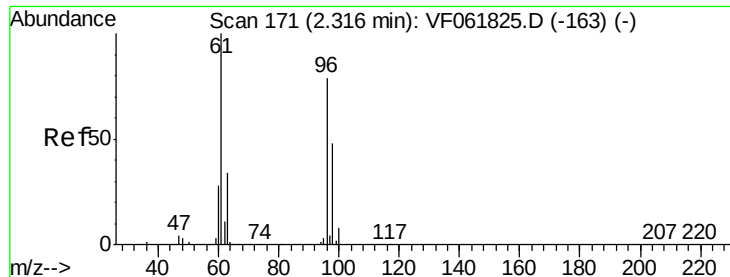


#20

Methylene Chloride
 Concen: 17.414 ug/l
 RT: 2.21 min Scan# 161
 Delta R.T. 0.03 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

Tgt Ion: 84 Resp: 119
 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: 25.382 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :
MSVOA_F
ClientSampled :
S11

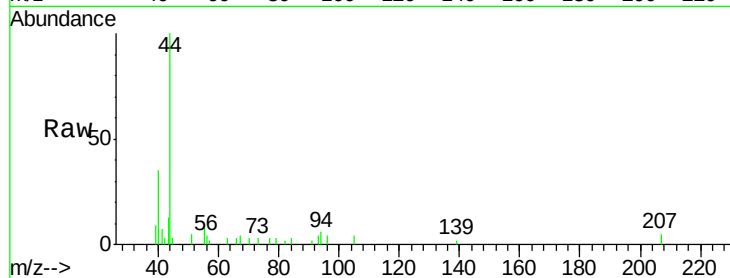
Tot Ion: 96 Resp: 170

Ion Ratio Lower Upper

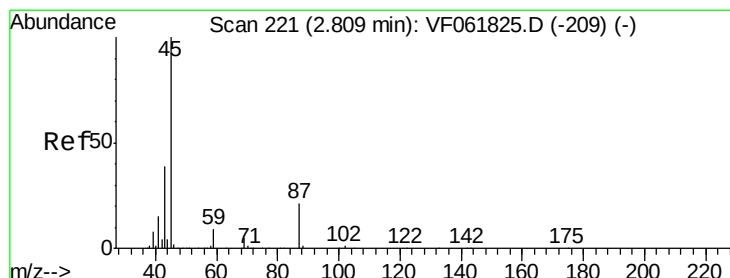
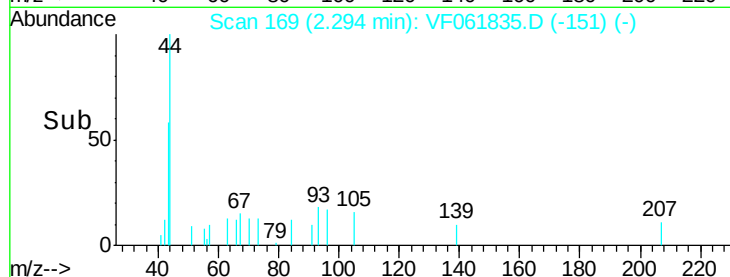
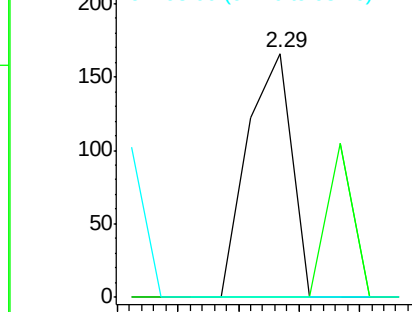
96 100

61 0.0 108.2 162.4#

98 0.0 52.2 78.2#



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



#22

Diisopropyl ether

Concen: 50.088 ug/l

RT: 2.76 min Scan# 216

Delta R.T. -0.05 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Tgt Ion: 45 Resp: 909

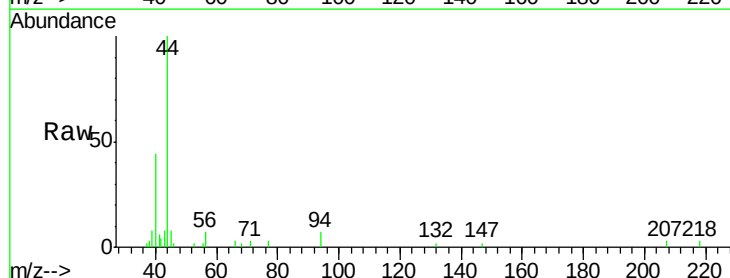
Ion Ratio Lower Upper

45 100

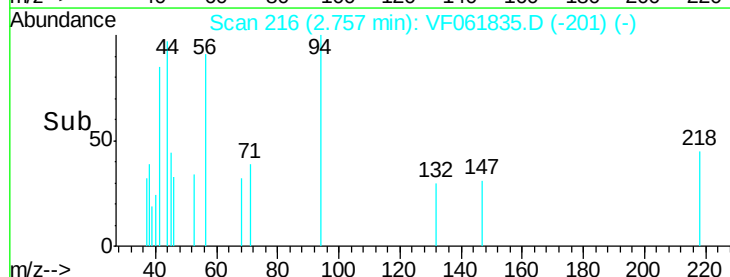
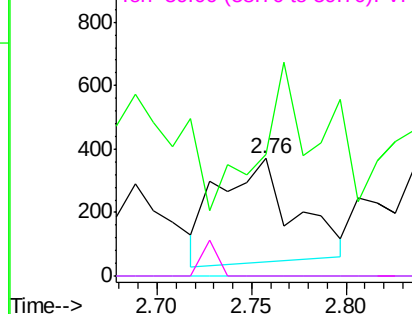
43 104.1 31.4 47.2#

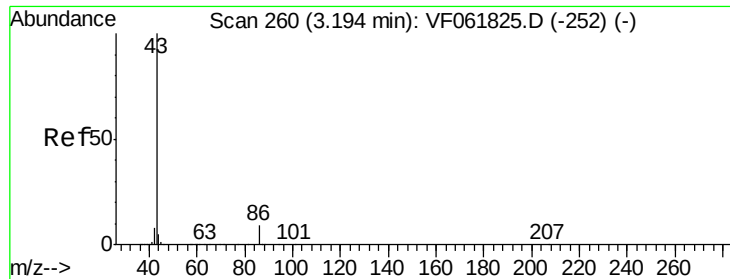
87 0.0 16.3 24.5#

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: 72.766 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampleId :

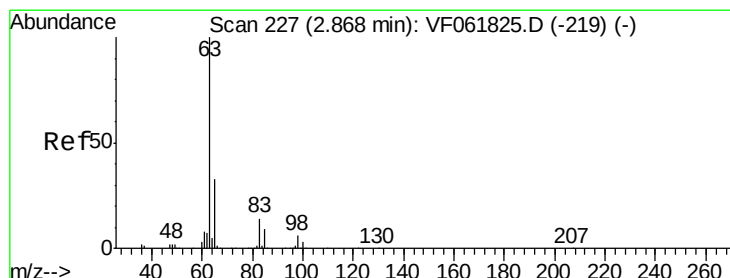
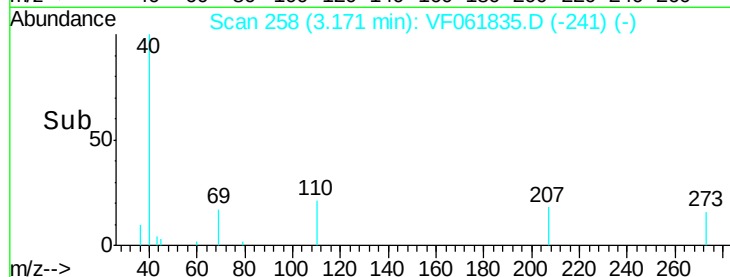
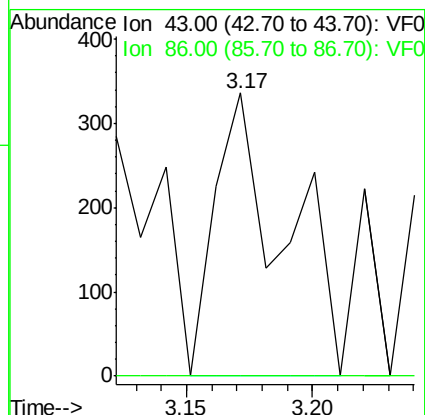
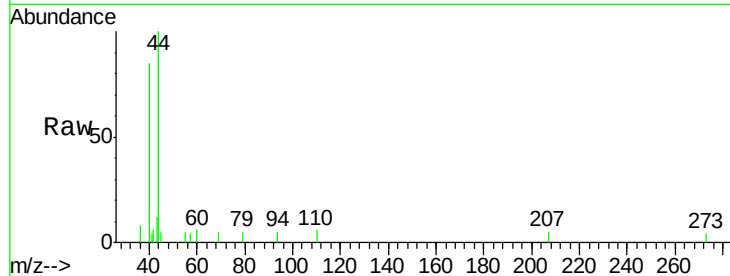
S11

Tot Ion: 43 Resp: 645

Ion Ratio Lower Upper

43 100

86 0.0 7.5 11.3#



#24

1,1-Dichloroethane

Concen: 19.850 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.03 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

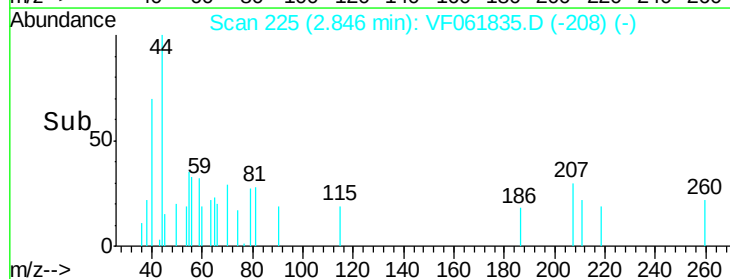
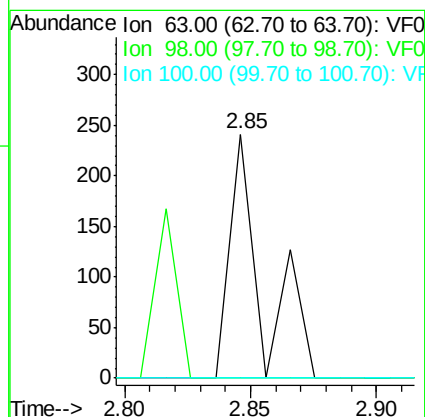
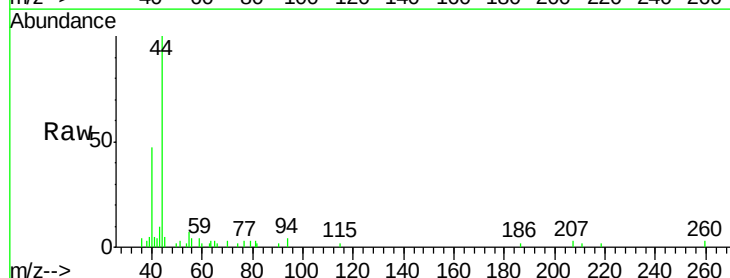
Tgt Ion: 63 Resp: 218

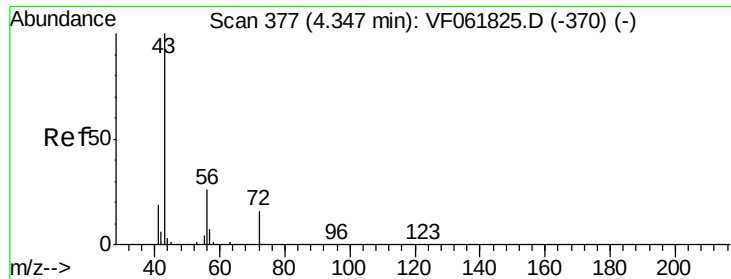
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

100 0.0 1.8 5.4#





#25

2-Butanone

Concen: 124.646 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampleId :

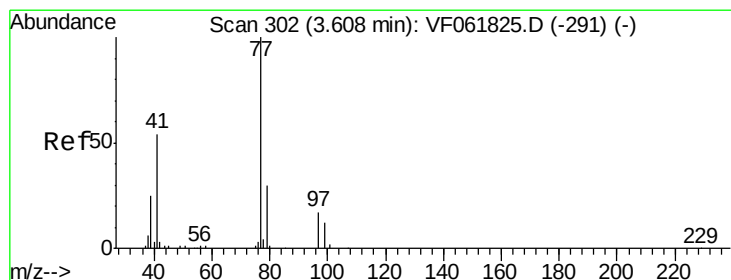
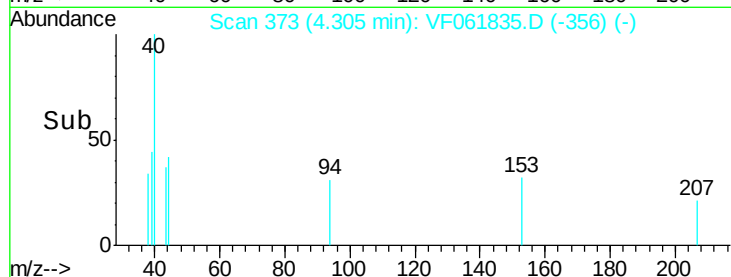
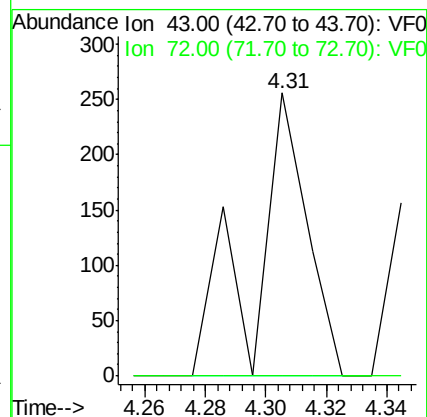
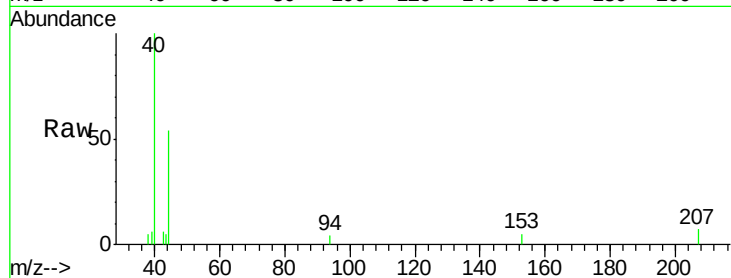
S11

Tot Ion: 43 Resp: 308

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#



#26

2,2-Dichloropropane

Concen: 26.440 ug/l

RT: 3.47 min Scan# 288

Delta R.T. -0.15 min

Lab File: VF061835.D

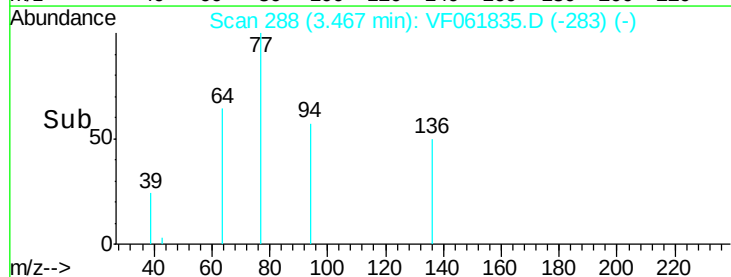
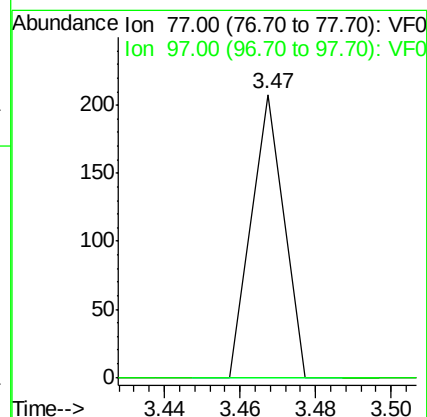
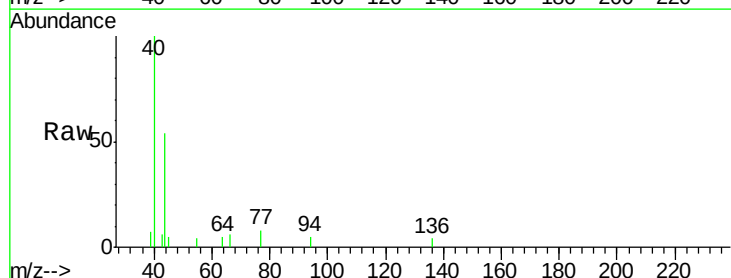
Acq: 4 Mar 2019 23:13

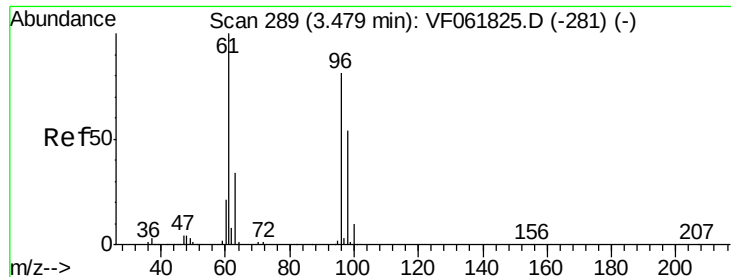
Tgt Ion: 77 Resp: 123

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



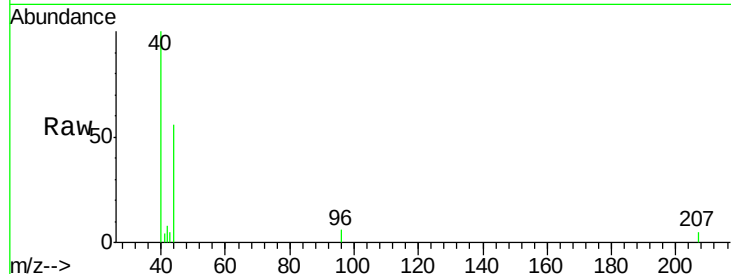


#27

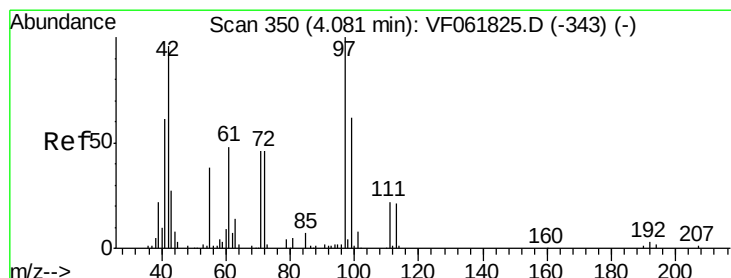
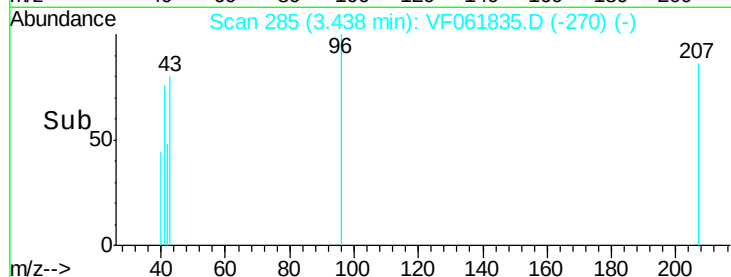
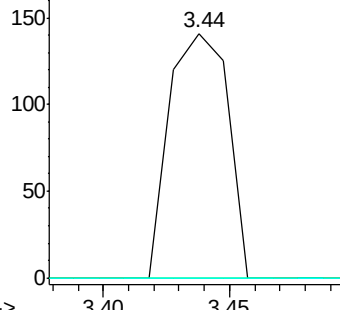
cis-1,2-Dichloroethene
 Concen: 25.935 ug/l
 RT: 3.44 min Scan# 285
 Delta R.T. -0.05 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

Instrument :
 MSVOA_F
 ClientSampleId :
 S11

Tot Ion: 96 Resp: 228
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 241.6
 98 0.0 0.0 130.2



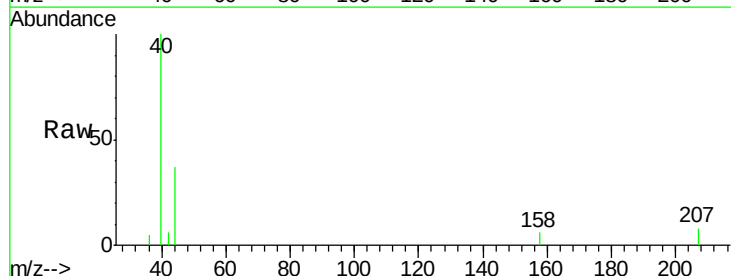
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



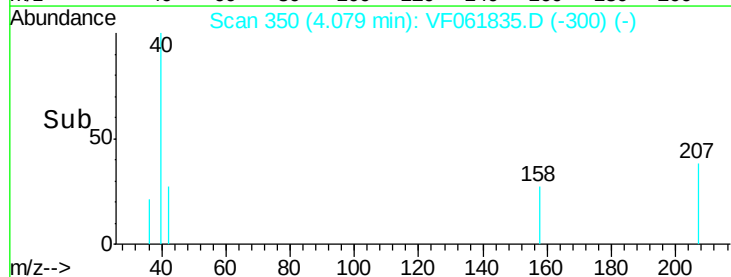
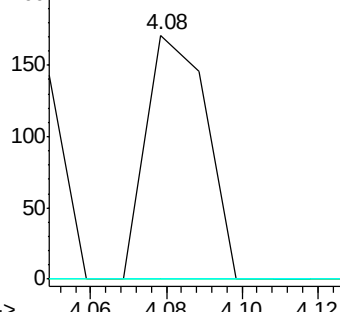
#29

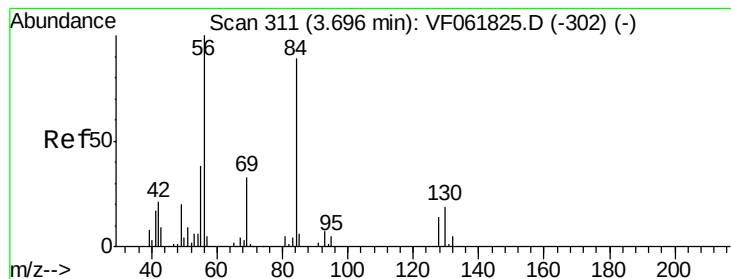
Tetrahydrofuran
 Concen: 167.395 ug/l
 RT: 4.08 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

Tgt Ion: 42 Resp: 188
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.2 52.8#
 71 0.0 32.9 49.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0
 Ion 72.00 (71.70 to 72.70): VF0
 Ion 71.00 (70.70 to 71.70): VF0





#31

Cyclohexane

Concen: 5.299 ug/l

RT: 3.72 min Scan# 314

Delta R.T. 0.02 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampled :

S11

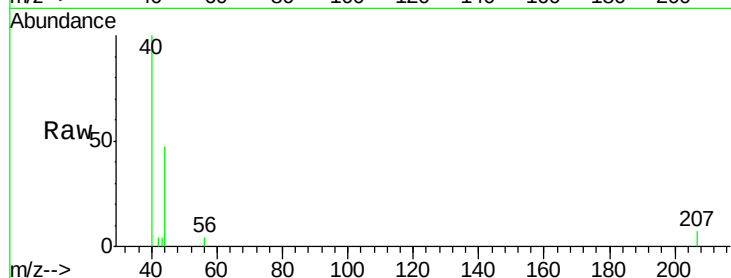
Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

69 0.0 23.8 35.8#

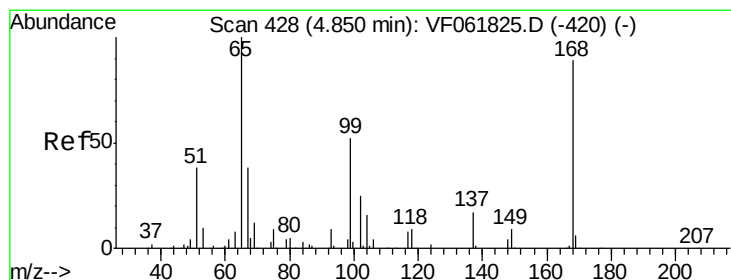
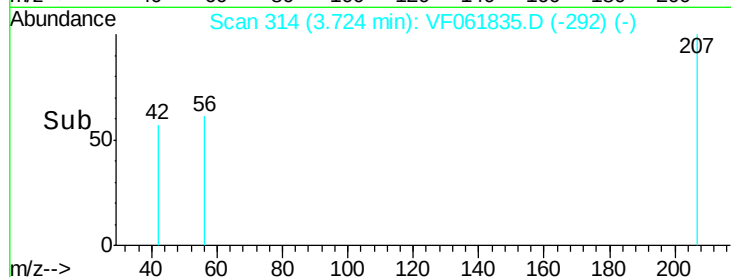
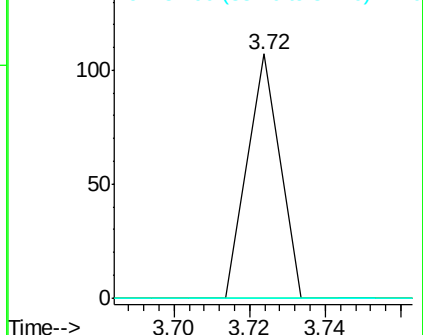
84 0.0 68.6 103.0#



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: 14.414 ug/l

RT: 4.69 min Scan# 412

Delta R.T. -0.17 min

Lab File: VF061835.D

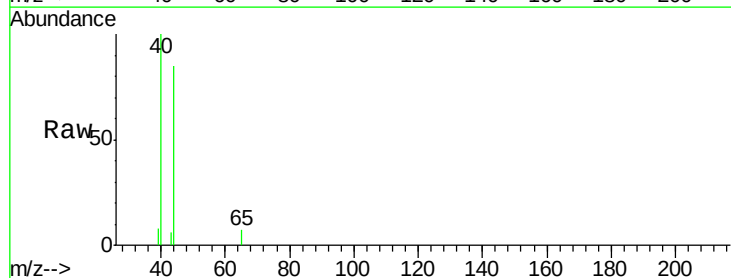
Acq: 4 Mar 2019 23:13

Tgt Ion: 65 Resp: 76

Ion Ratio Lower Upper

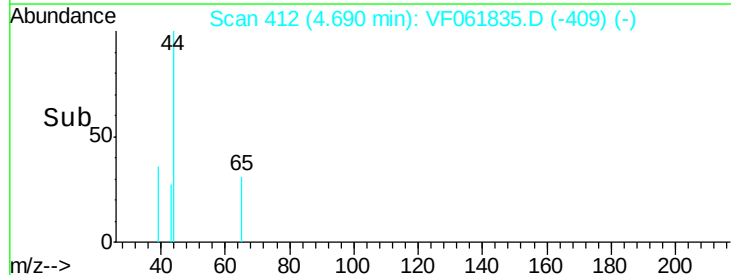
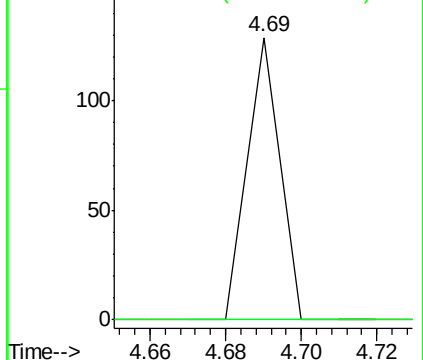
65 100

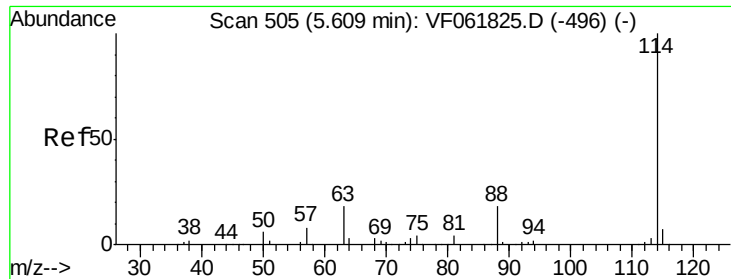
67 0.0 0.0 104.0



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: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampleId :

S11

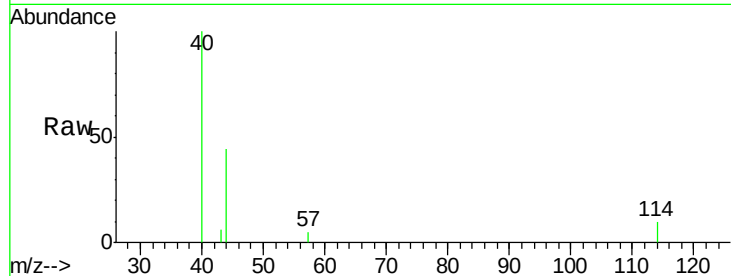
Tot Ion:114 Resp: 567

Ion Ratio Lower Upper

114 100

63 0.0 0.0 36.6

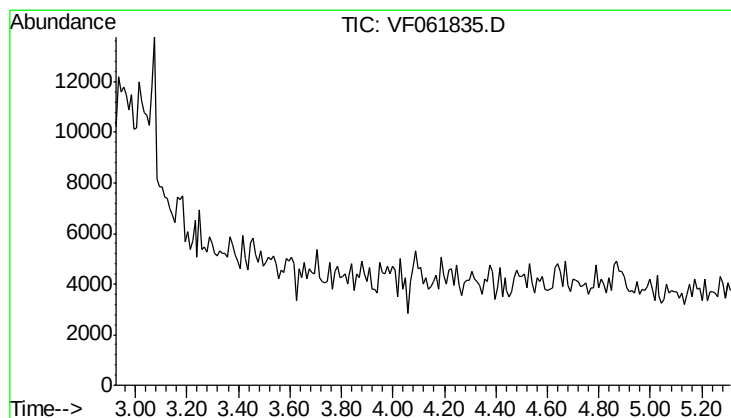
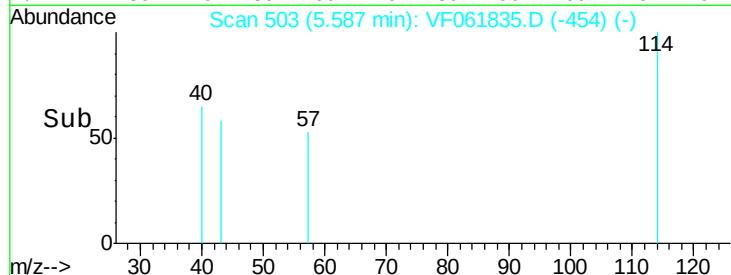
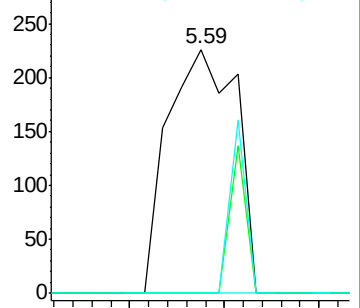
88 0.0 0.0 34.4



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: 0.000 ug/l

Expected RT: 4.12 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

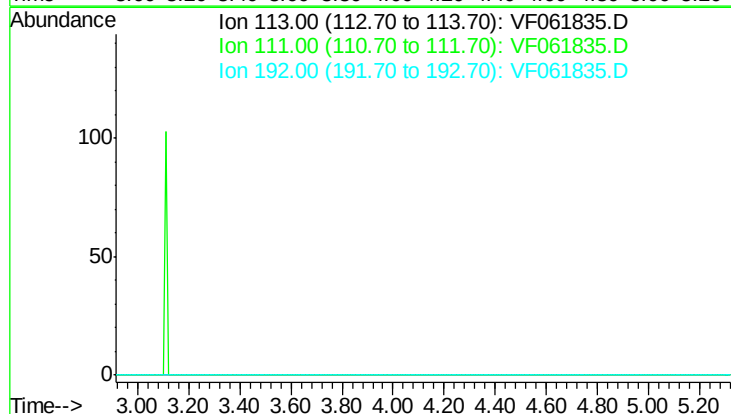
Tgt Ion: 113

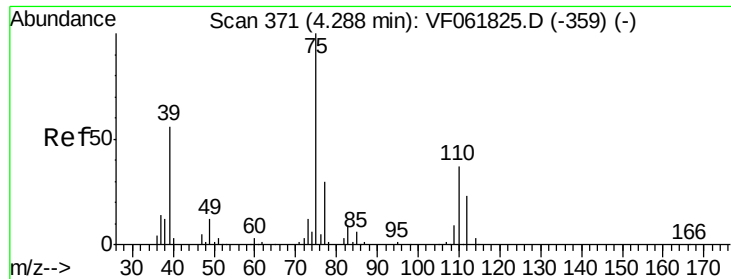
Sig Exp Ratio

113 100

111 98.5

192 16.7





#36

1,1-Dichloropropene

Concen: 12.285 ug/l

RT: 4.20 min Scan# 362

Delta R.T. -0.10 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampleId :

S11

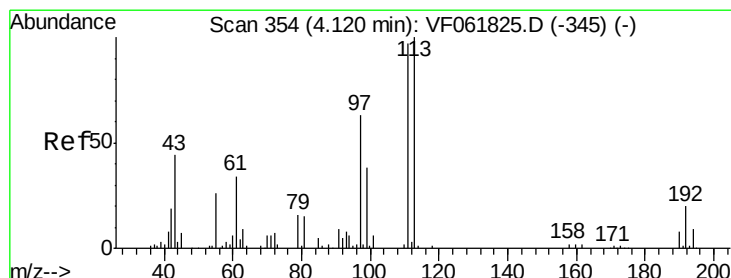
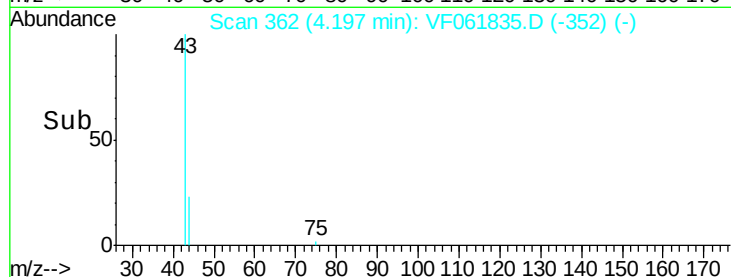
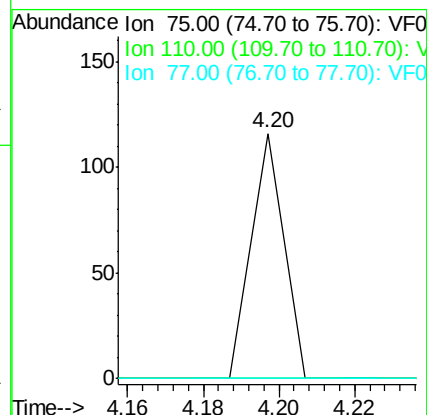
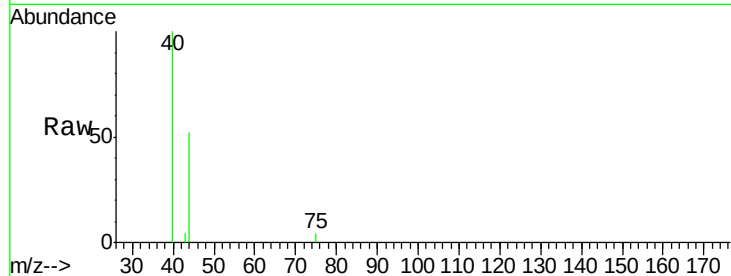
Tot Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

110 0.0 20.5 61.6#

77 0.0 27.0 40.4#



#37

Ethyl Acetate

Concen: 88.927 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.02 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

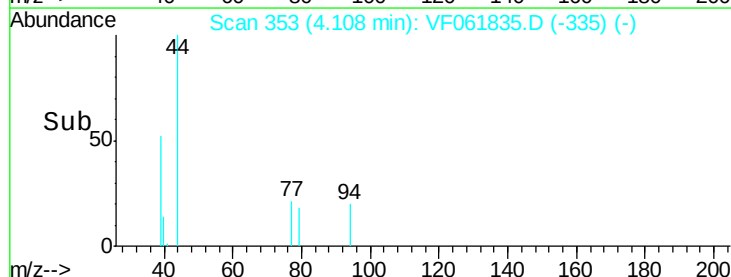
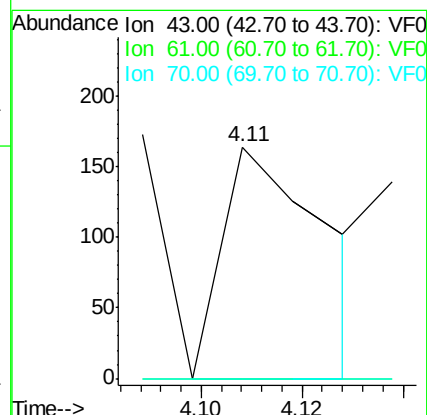
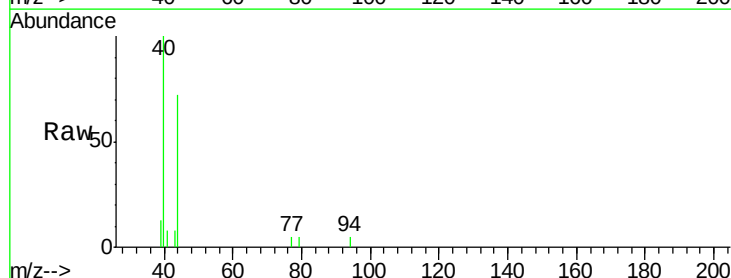
Tgt Ion: 43 Resp: 232

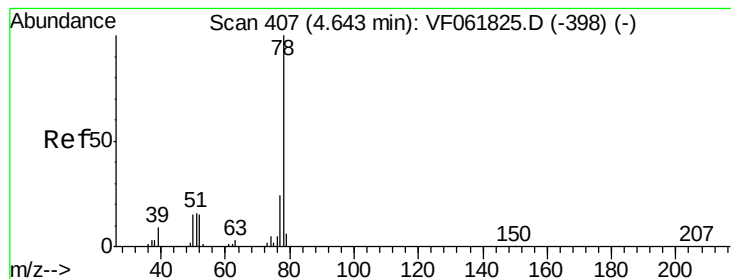
Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

70 0.0 8.5 12.7#





#40

Benzene

Concen: 4.220 ug/l

RT: 4.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampleId :

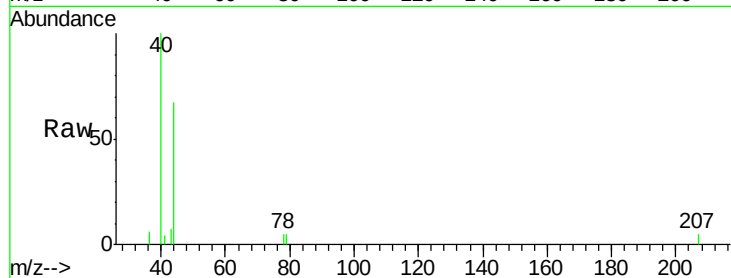
S11

Tot Ion: 78 Resp: 62

Ion Ratio Lower Upper

78 100

77 0.0 19.0 28.6#

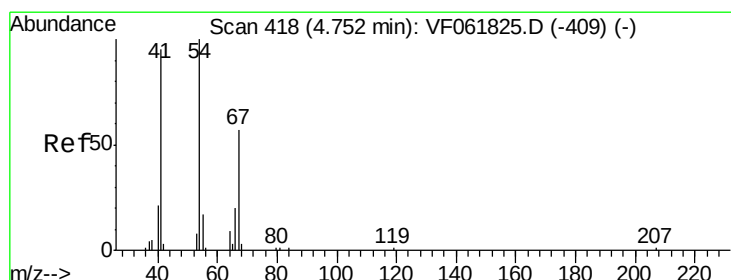
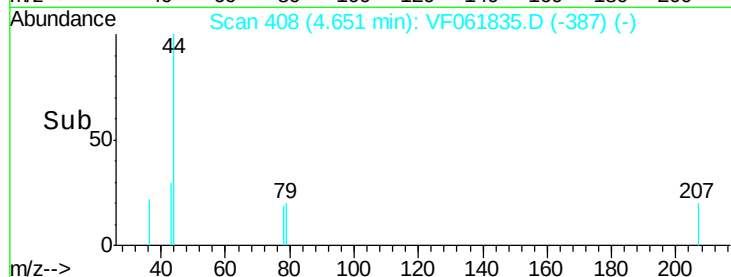


Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.65

Time-->



#41

Methacrylonitrile

Concen: 46.470 ug/l

RT: 4.71 min Scan# 414

Delta R.T. -0.05 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Tgt Ion: 41 Resp: 62

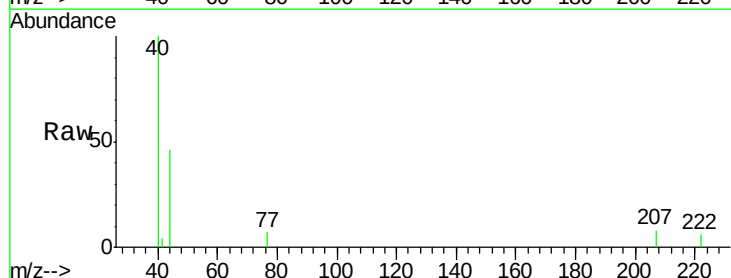
Ion Ratio Lower Upper

41 100

39 0.0 45.3 67.9#

67 0.0 49.3 73.9#

52 0.0 32.6 49.0#



Abundance Ion 41.00 (40.70 to 41.70): VF0

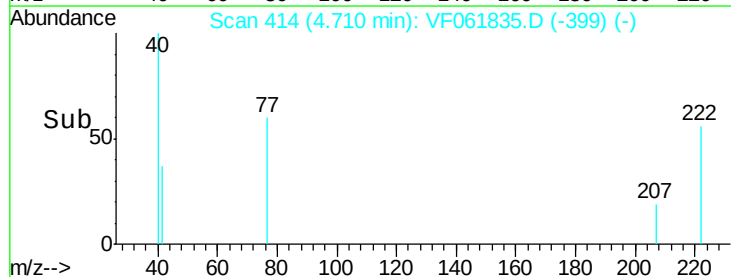
Ion 39.00 (38.70 to 39.70): VF0

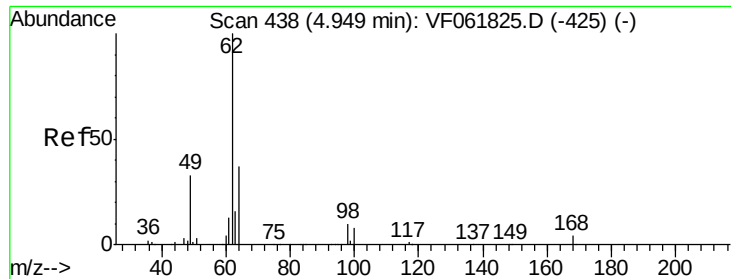
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

4.71

Time-->

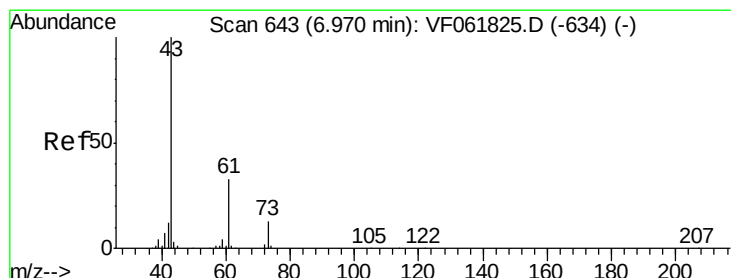
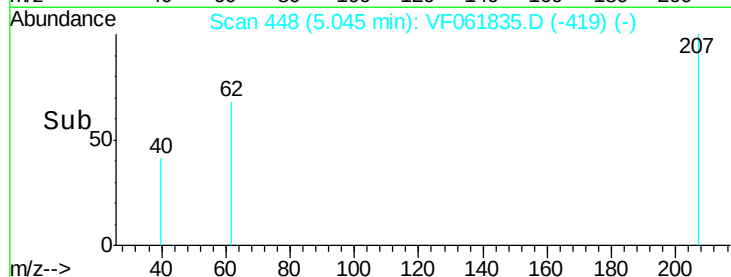
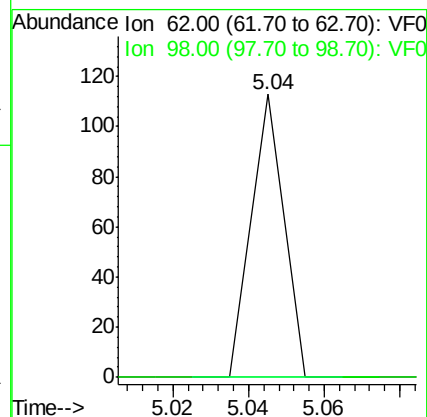
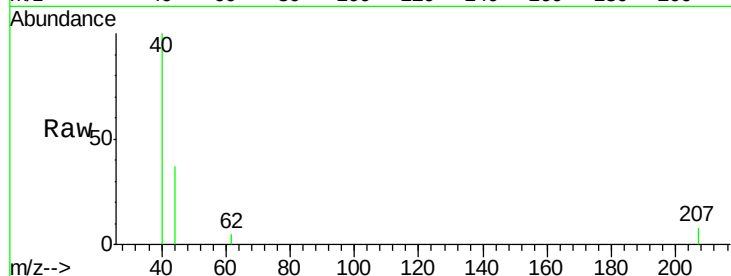




#42
 1,2-Dichloroethane
 Concen: 19.065 ug/l
 RT: 5.04 min Scan# 448
 Delta R.T. 0.09 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

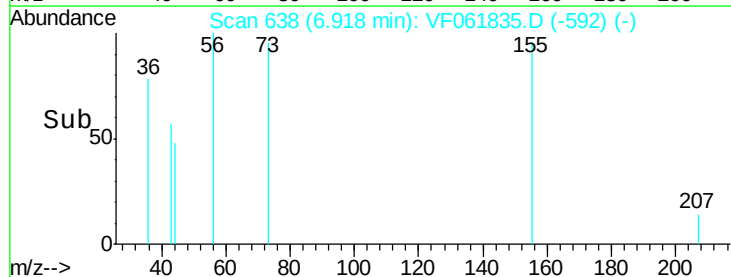
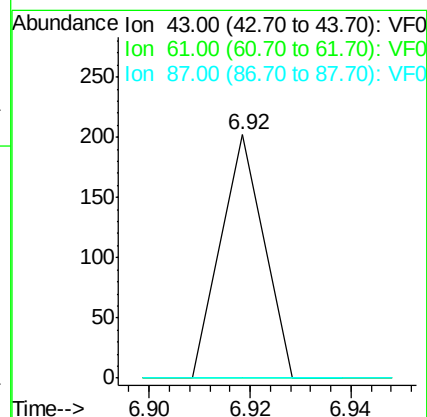
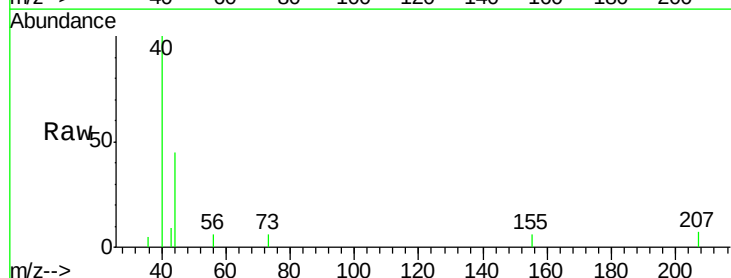
Instrument :
 MSVOA_F
 ClientSampled :
 S11

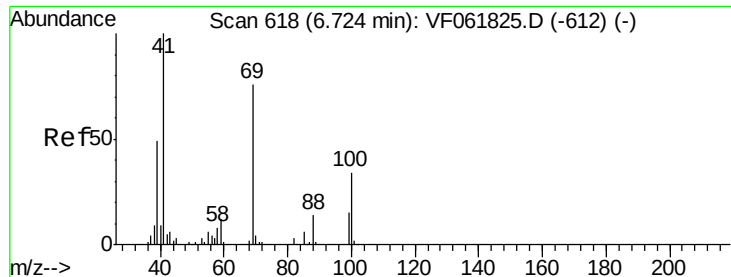
Tot Ion: 62 Resp: 67
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 26.0



#43
 Isopropyl Acetate
 Concen: 38.535 ug/l
 RT: 6.92 min Scan# 638
 Delta R.T. -0.05 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

Tgt Ion: 43 Resp: 119
 Ion Ratio Lower Upper
 43 100
 61 0.0 25.8 38.6#
 87 0.0 0.4 0.6#





#48

Methyl methacrylate

Concen: 71.029 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampleId :

S11

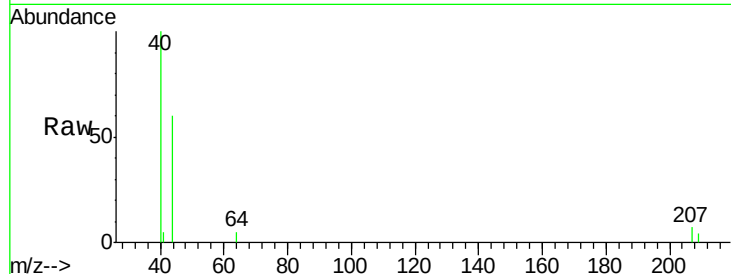
Tot Ion: 41 Resp: 132

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

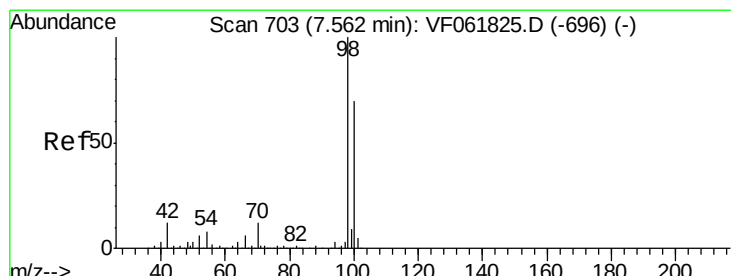
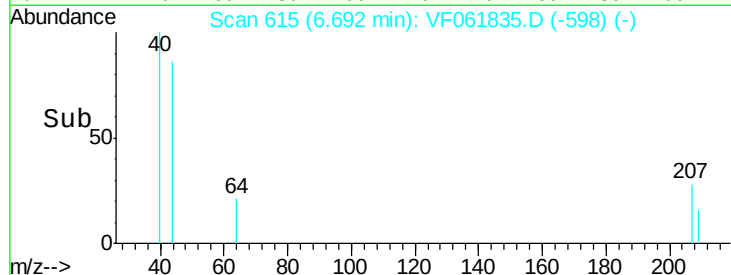
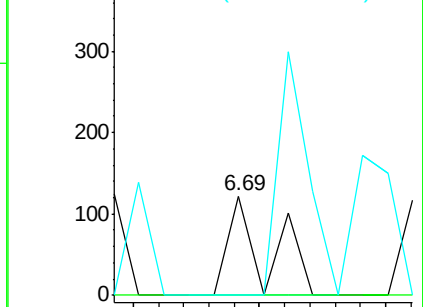
39 0.0 43.7 65.5#



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: 11.318 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061835.D

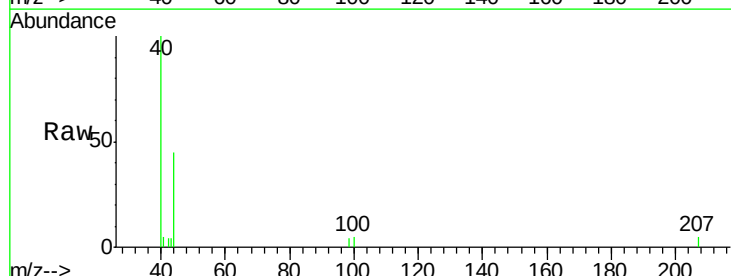
Acq: 4 Mar 2019 23:13

Tgt Ion: 98 Resp: 137

Ion Ratio Lower Upper

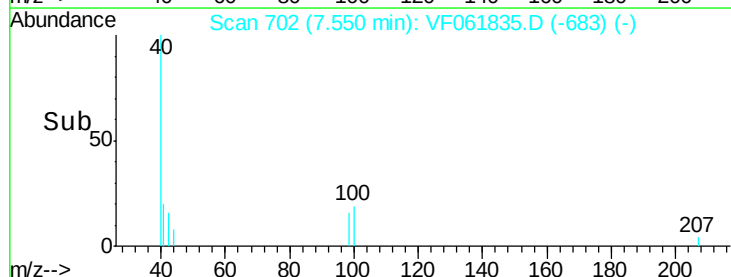
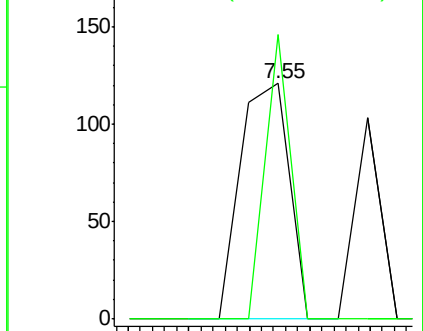
98 100

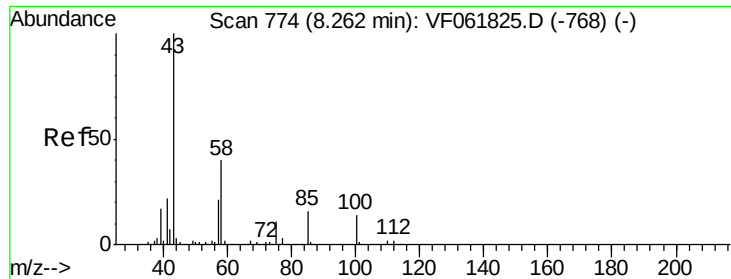
100 120.7 55.4 83.2#



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: 113.299 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampled :

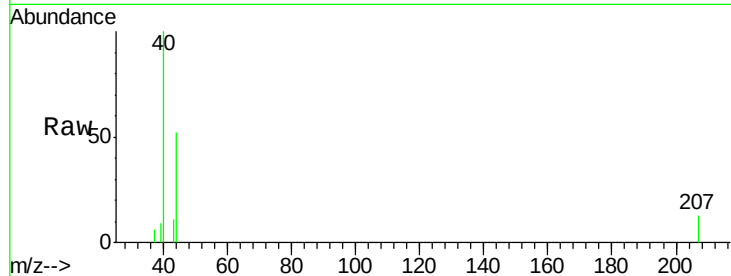
S11

Tot Ion: 43 Resp: 250

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

8.26

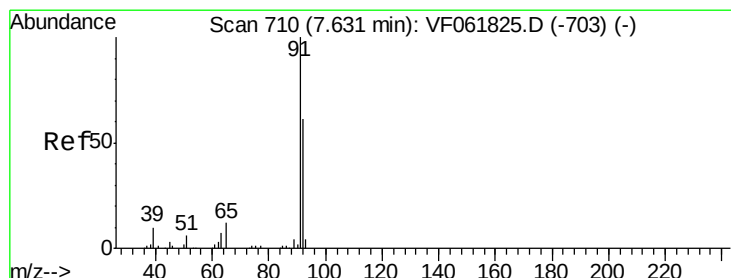
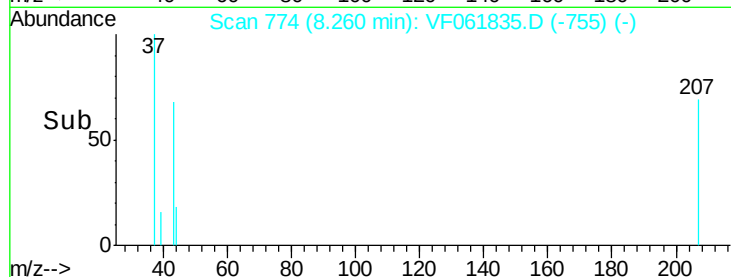
150

100

50

0

Time-->



#52

Toluene

Concen: 7.744 ug/l

RT: 7.49 min Scan# 696

Delta R.T. -0.14 min

Lab File: VF061835.D

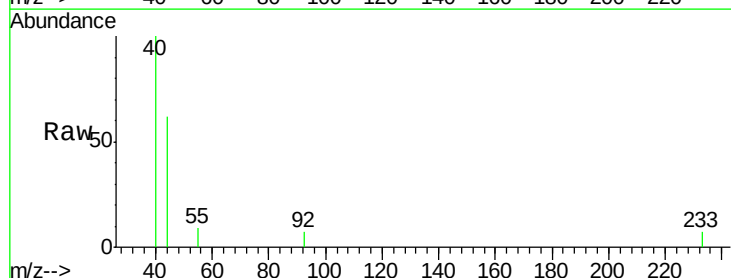
Acq: 4 Mar 2019 23:13

Tgt Ion: 92 Resp: 69

Ion Ratio Lower Upper

92 100

91 0.0 133.9 200.9#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

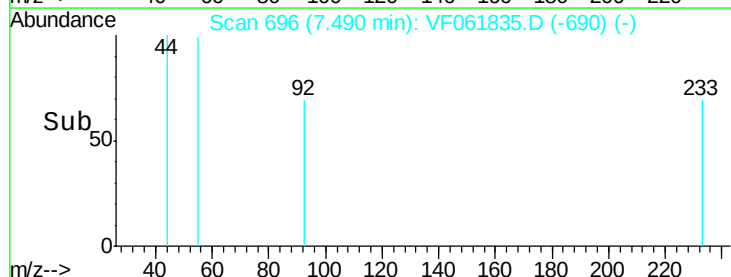
7.49

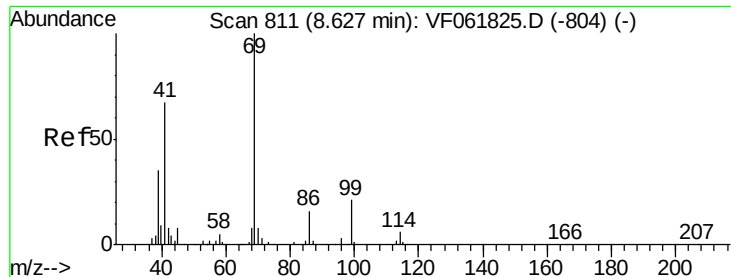
100

50

0

Time-->





#56

Ethyl methacrylate

Concen: 20.585 ug/l

RT: 8.69 min Scan# 818

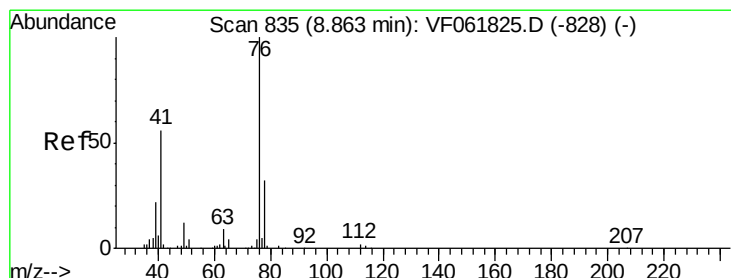
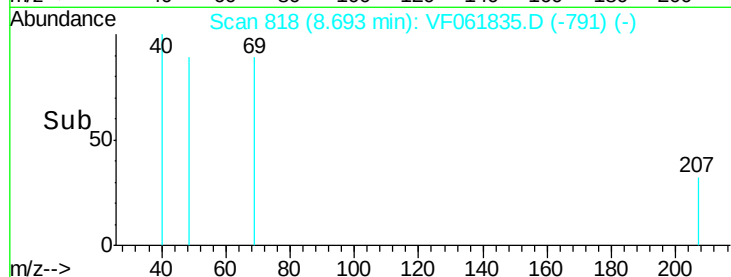
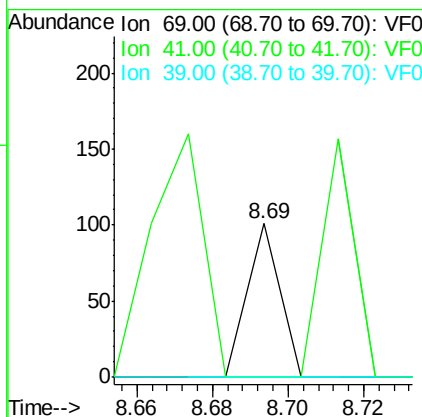
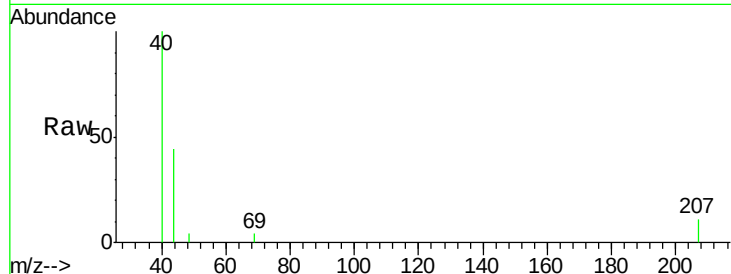
Delta R.T. 0.07 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :
MSVOA_F
ClientSampled :
S11

Tot Ion:	69	Resp:	60
Ion	Ratio	Lower	Upper
69	100		
41	0.0	52.9	79.3#
39	0.0	24.5	36.7#



#57

1,3-Dichloropropane

Concen: 19.910 ug/l

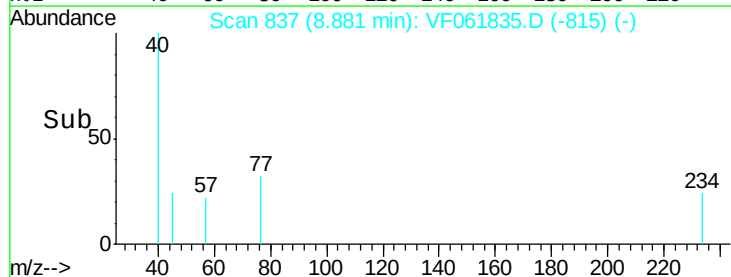
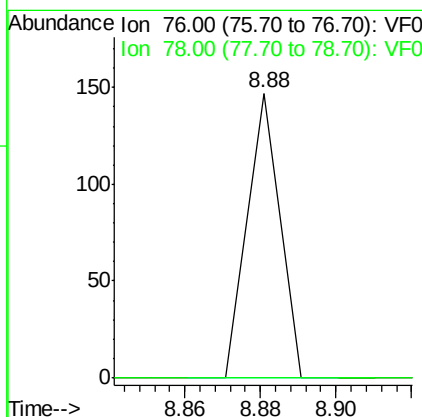
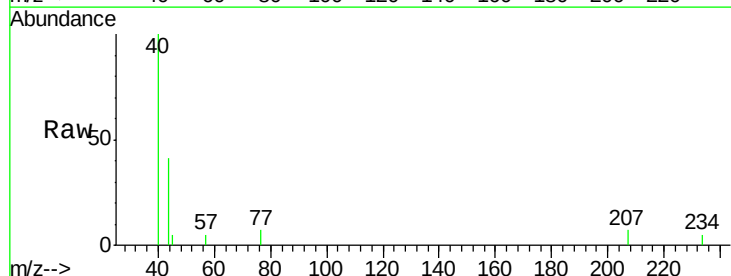
RT: 8.88 min Scan# 837

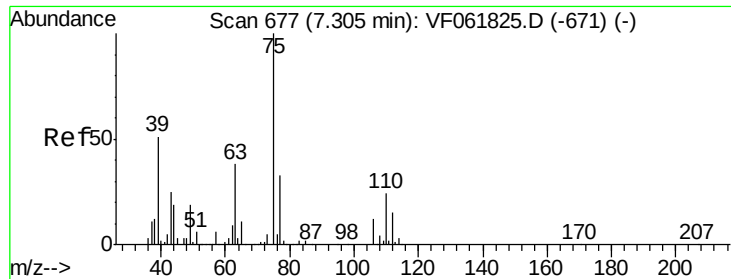
Delta R.T. 0.02 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Tgt Ion:	76	Resp:	87
Ion	Ratio	Lower	Upper
76	100		
78	0.0	27.8	41.6#





#58

2-Chloroethyl Vinyl ether

Concen: 188.908 ug/l

RT: 7.23 min Scan# 670

Delta R.T. -0.07 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampleId :

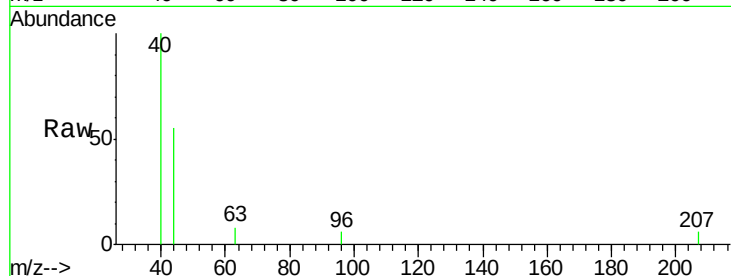
S11

Tot Ion: 63 Resp: 95

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): VF0

7.23

150

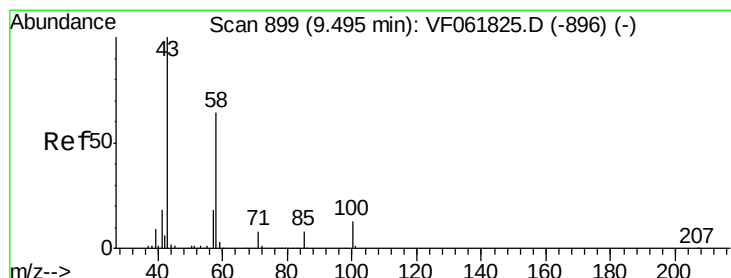
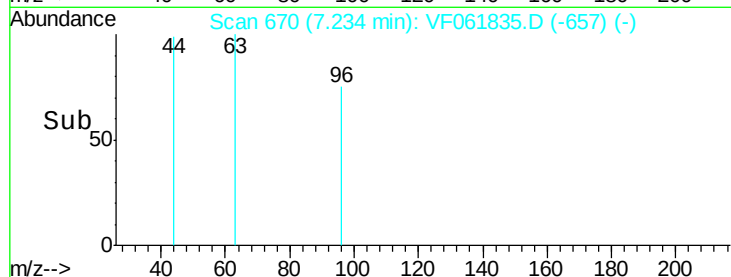
100

50

0

7.20 7.22 7.24 7.26

Time-->



#59

2-Hexanone

Concen: 153.873 ug/l

RT: 9.46 min Scan# 896

Delta R.T. -0.04 min

Lab File: VF061835.D

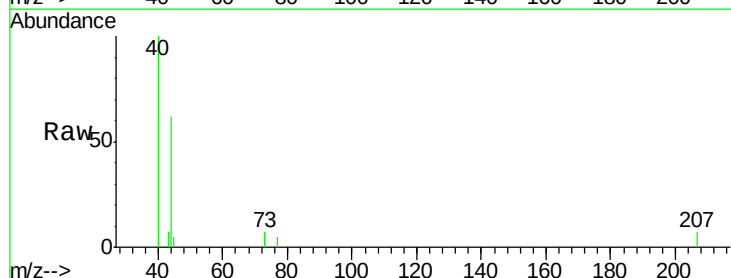
Acq: 4 Mar 2019 23:13

Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

150

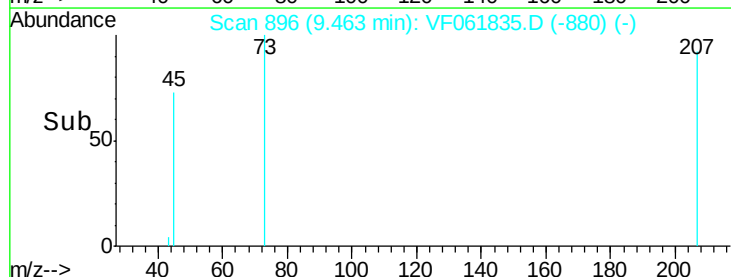
100

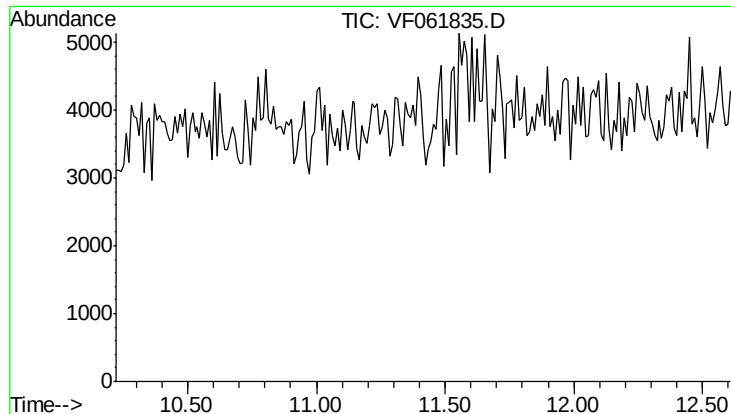
50

0

9.42 9.44 9.46 9.48 9.50

Time-->

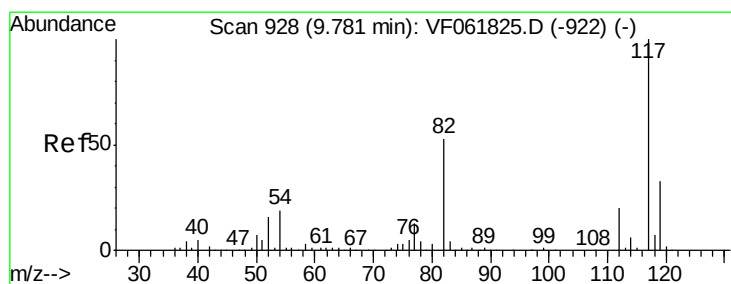
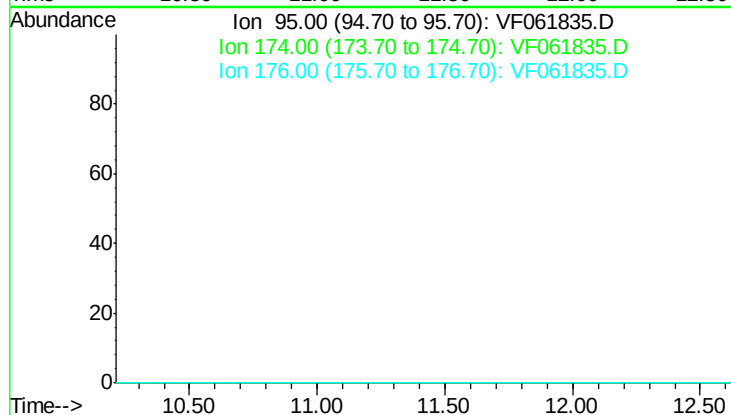




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.42 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

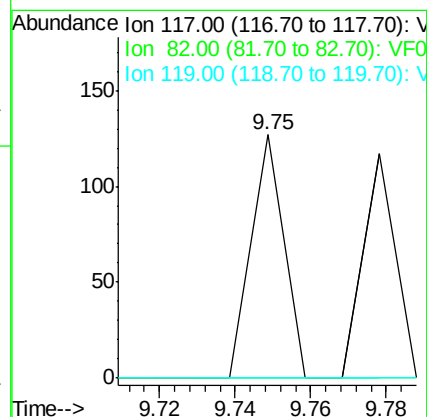
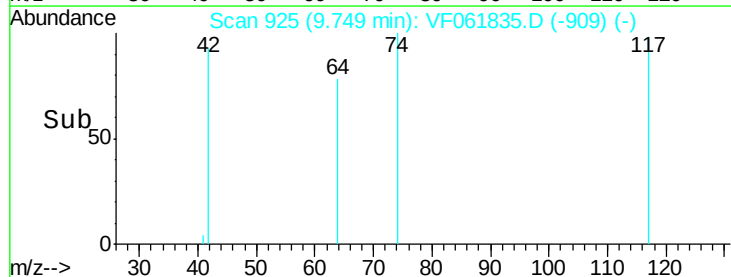
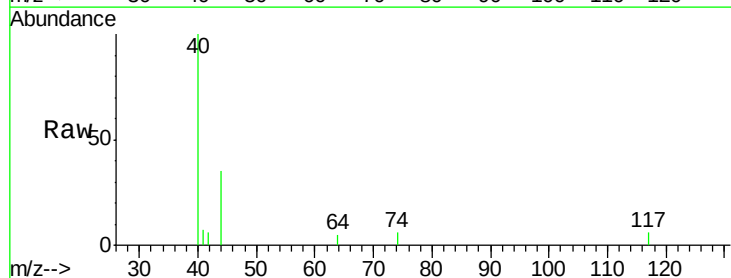
Instrument :
 MSVOA_F
 ClientSampleId :
 S11

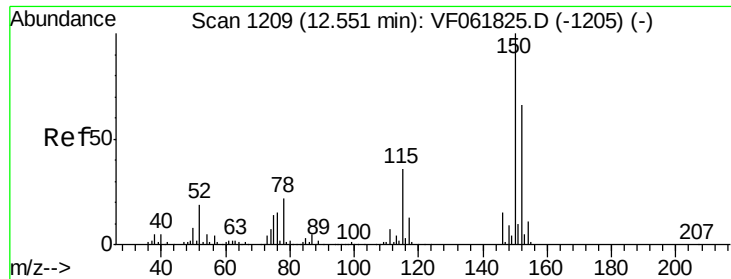
Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 82.9
 176 83.5



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.75 min Scan# 925
 Delta R.T. -0.04 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

Tgt Ion: 117 Resp: 75
 Ion Ratio Lower Upper
 117 100
 82 0.0 39.3 58.9#
 119 0.0 26.6 40.0#

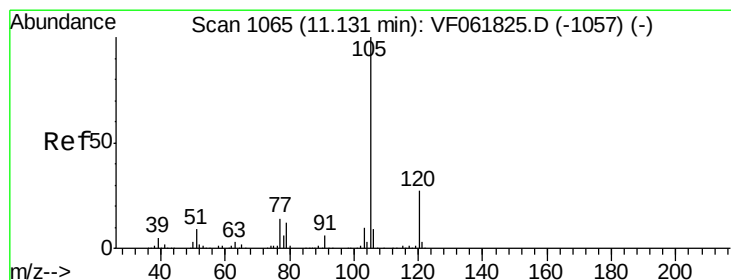
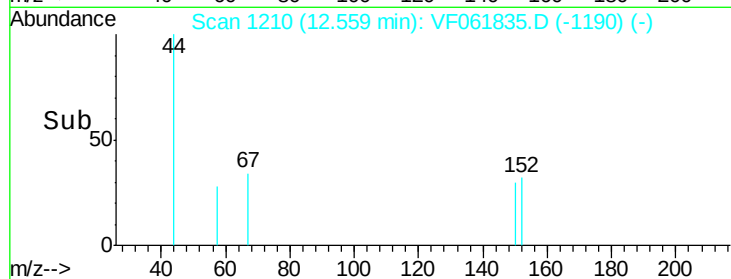
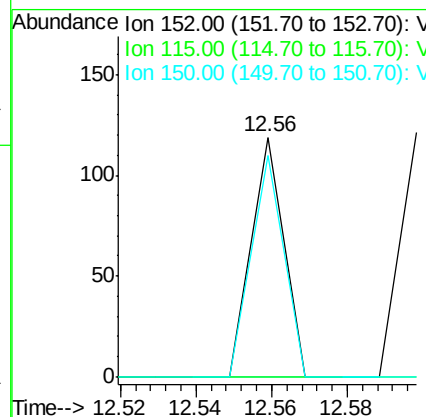
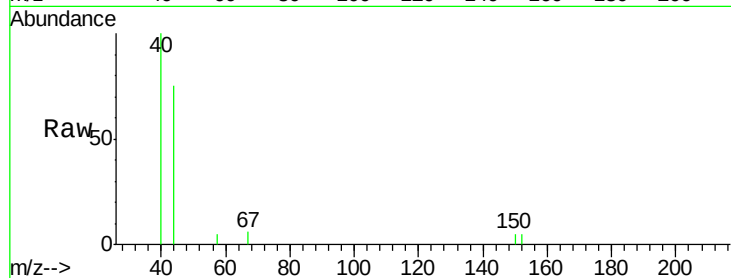




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

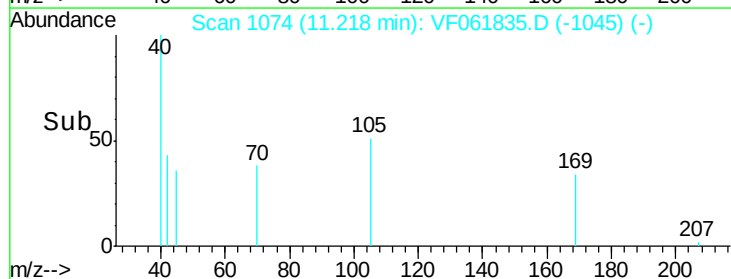
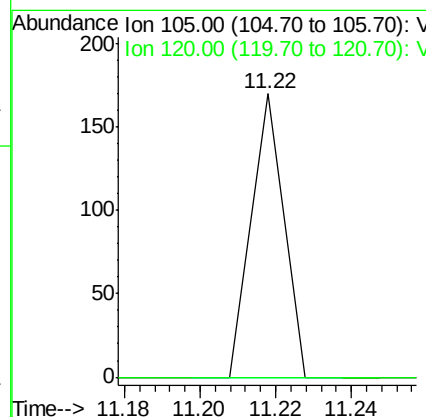
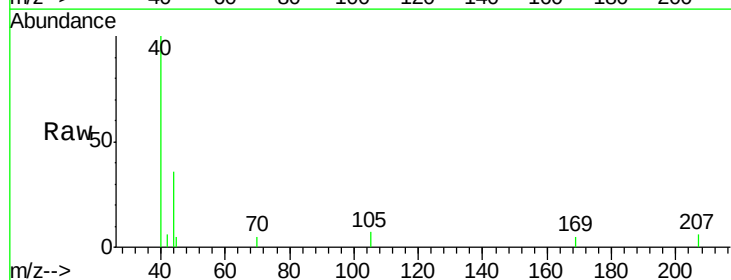
Instrument :
 MSVOA_F
 ClientSampleId :
 S11

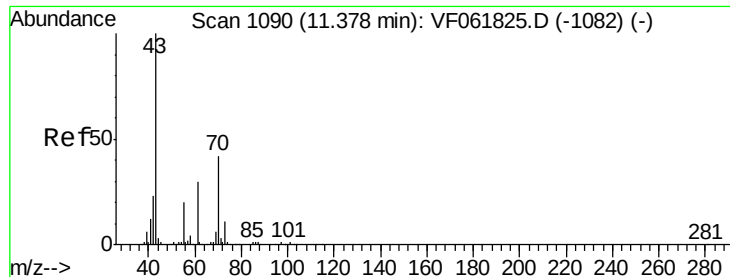
Tot Ion:152 Resp: 70
 Ion Ratio Lower Upper
 152 100
 115 0.0 24.3 72.8#
 150 92.4 0.0 312.0



#73
 Isopropylbenzene
 Concen: 20.265 ug/l
 RT: 11.22 min Scan# 1074
 Delta R.T. 0.09 min
 Lab File: VF061835.D
 Acq: 4 Mar 2019 23:13

Tgt Ion:105 Resp: 101
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.4 40.1#





#74

N-amvl acetate

Concen: 66.040 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

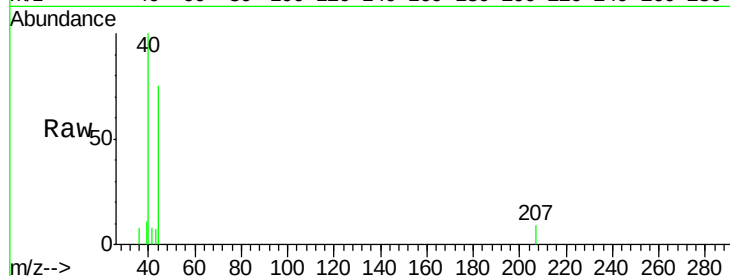
MSVOA_F

ClientSampleId :

S11

Tot Ion: 43 Resp: 79

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#

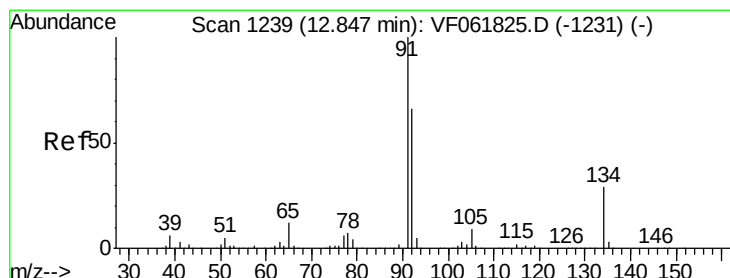
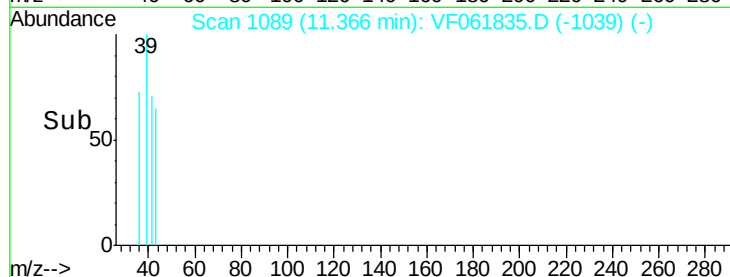
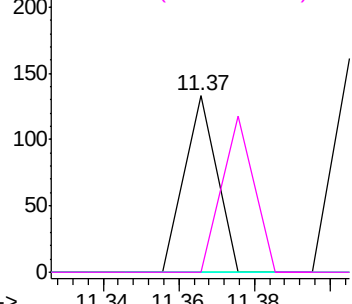


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#89

n-Butylbenzene

Concen: 15.040 ug/l

RT: 12.77 min Scan# 1231

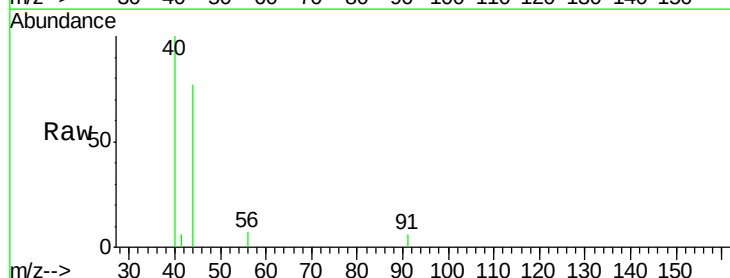
Delta R.T. -0.08 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Tgt Ion: 91 Resp: 68

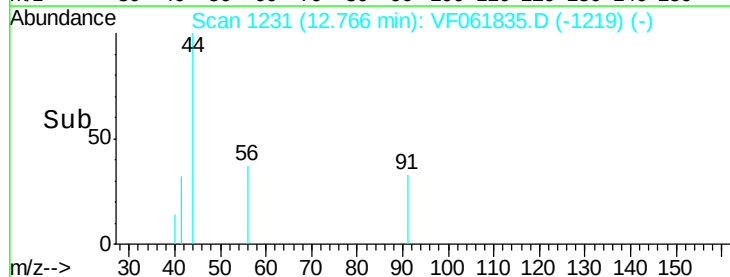
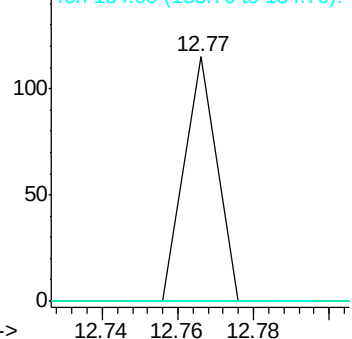
Ion	Ratio	Lower	Upper
91	100		
92	0.0	31.4	94.3#
134	0.0	12.3	36.9#

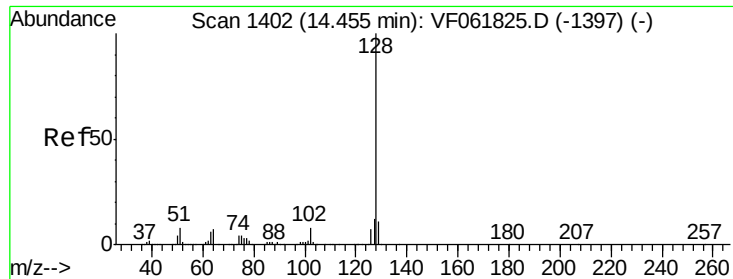


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 66.709 ug/l

RT: 14.46 min Scan# 1403

Delta R.T. -0.00 min

Lab File: VF061835.D

Acq: 4 Mar 2019 23:13

Instrument :

MSVOA_F

ClientSampleId :

S11

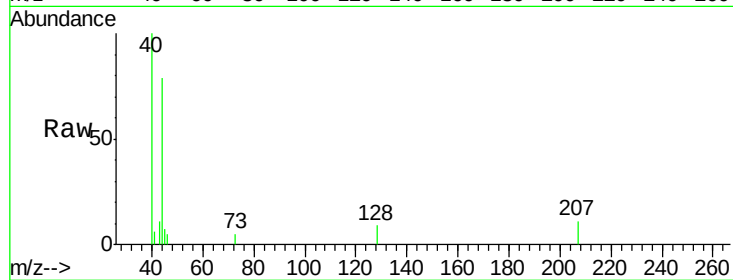
Tot Ion:128 Resp: 191

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.6#

129 0.0 9.4 14.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

