

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061836.D
 Acq On : 4 Mar 2019 23:42
 Operator : VA/AP
 Sample : K1707-05
 Misc : 6.48g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S12

Quant Time: Mar 05 05:04:50 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	2783	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	2674	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	85	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	183	8.97	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	17.94%	
35) Dibromofluoromethane	4.10	113	547	27.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	55.10%	
50) Toluene-d8	7.55	98	1671	29.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.54%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds					Qvalue
3) Chloromethane	1.09	50	63	1.879	ug/l # 42
4) Vinyl Chloride	1.08	62	69	2.213	ug/l # 40
5) Bromomethane	1.32	94	555	25.869	ug/l # 26
6) Chloroethane	1.39	64	87	5.663	ug/l # 40
8) Diethyl Ether	1.56	74	78	8.232	ug/l # 12
10) Methyl Iodide	1.85	142	76	1.467	ug/l # 39
11) Tert butyl alcohol	2.56	59	68	57.574	ug/l # 1
12) 1,1-Dichloroethene	1.79	96	147	6.164	ug/l # 1
13) Acrolein	1.98	56	514	346.262	ug/l # 83
14) Allyl chloride	2.08	41	787	26.894	ug/l # 59
15) Acrylonitrile	2.94	53	93	22.199	ug/l # 44
16) Acetone	2.24	43	673	153.699	ug/l # 46
17) Carbon Disulfide	1.78	76	92	1.227	ug/l # 1
18) Methyl Acetate	2.37	43	929	94.180	ug/l # 59
19) Methyl tert-butyl Ether	2.43	73	94	2.306	ug/l # 1
20) Methylene Chloride	2.16	84	99	3.743	ug/l # 1
21) trans-1,2-Dichloroethene	2.26	96	437	16.857	ug/l # 1
22) Diisopropyl ether	2.79	45	466	6.634	ug/l # 1
23) Vinyl Acetate	3.20	43	456	13.291	ug/l # 74
24) 1,1-Dichloroethane	2.86	63	219	5.152	ug/l # 86
25) 2-Butanone	4.34	43	283	29.589	ug/l # 55
26) 2,2-Dichloropropane	3.65	77	90	4.998	ug/l # 52
27) cis-1,2-Dichloroethene	3.49	96	70	2.057	ug/l # 1
29) Tetrahydrofuran	4.09	42	148	34.046	ug/l # 33
30) Chloroform	3.70	83	66	1.365	ug/l # 18
31) Cyclohexane	3.67	56	67	1.456	ug/l # 16
37) Ethyl Acetate	4.08	43	386	31.373	ug/l # 30
39) Methylcyclohexane	5.40	83	75	2.394	ug/l # 15
41) Methacrylonitrile	4.75	41	192	30.515	ug/l # 37
43) Isopropyl Acetate	6.94	43	72	4.944	ug/l # 43
45) 1,2-Dichloropropane	6.11	63	65	3.881	ug/l # 44
48) Methyl methacrylate	6.68	41	76	8.672	ug/l # 17
51) 4-Methyl-2-Pentanone	8.25	43	210	20.180	ug/l # 34
53) t-1,3-Dichloropropene	8.19	75	60	3.193	ug/l # 42

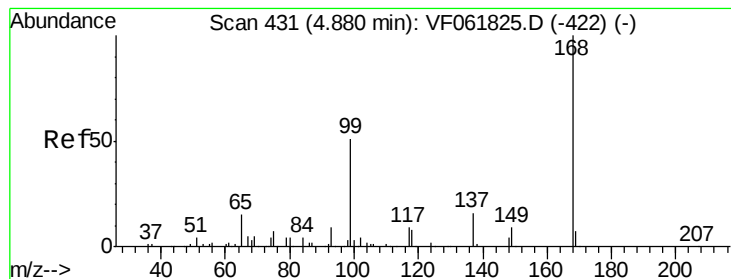
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061836.D
 Acq On : 4 Mar 2019 23:42
 Operator : VA/AP
 Sample : K1707-05
 Misc : 6.48g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S12

Quant Time: Mar 05 05:04:50 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)
55) 1,1,2-Trichloroethane	8.63	97	69	5.589	ug/l #	16
58) 2-Chloroethyl Vinyl ether	7.18	63	62	26.142	ug/l #	44
59) 2-Hexanone	9.51	43	205	28.104	ug/l #	23
74) N-amyl acetate	11.41	43	133	91.561	ug/l #	44
78) n-propylbenzene	11.47	91	61	8.784	ug/l #	51
82) 4-Chlorotoluene	11.98	91	59	14.615	ug/l #	37
83) tert-Butylbenzene	12.18	119	80	14.933	ug/l #	33
88) 1,4-Dichlorobenzene	12.65	146	62	22.118	ug/l #	25
89) n-Butylbenzene	12.91	91	71	12.932	ug/l #	28
95) Naphthalene	14.38	128	63	18.120	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: VF061836.D

Acq: 4 Mar 2019 23:42

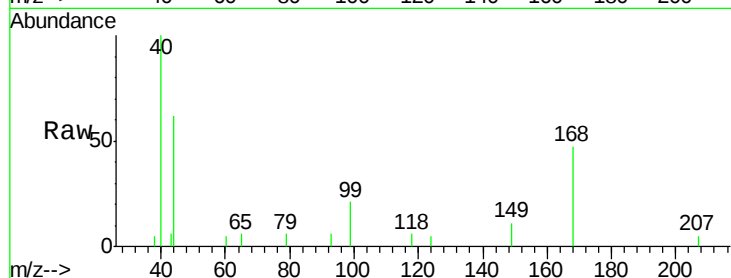
Instrument :
MSVOA_F
ClientSampled :
S12

Tot Ion:168 Resp: 2783

Ion Ratio Lower Upper

168 100

99 45.7 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

1000

800

600

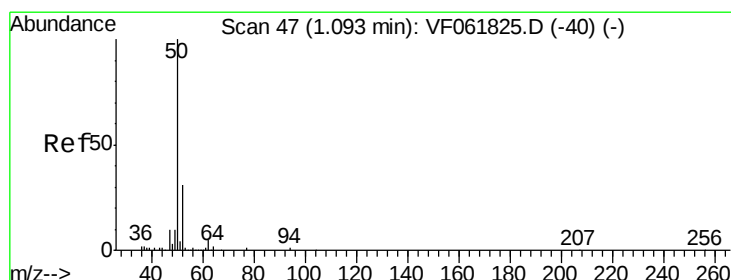
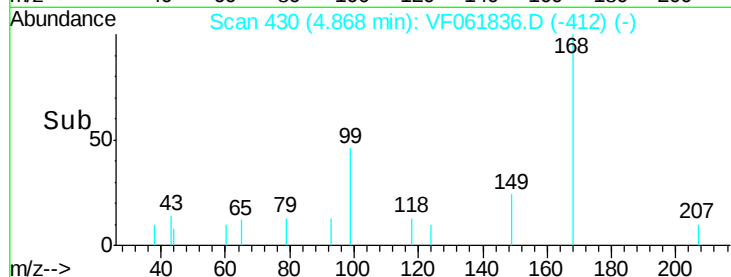
400

200

0

4.80 4.85 4.90 4.95

Time-->



#3

Chloromethane

Concen: 1.879 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061836.D

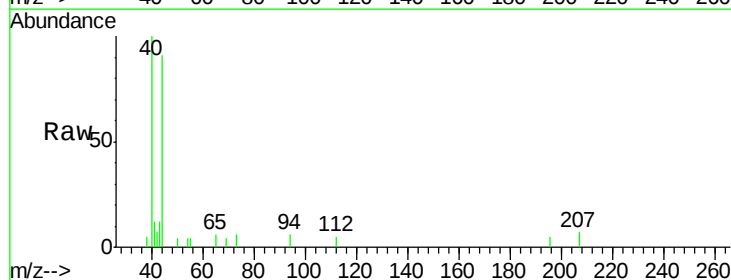
Acq: 4 Mar 2019 23:42

Tgt Ion: 50 Resp: 63

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

1.09

120

100

80

60

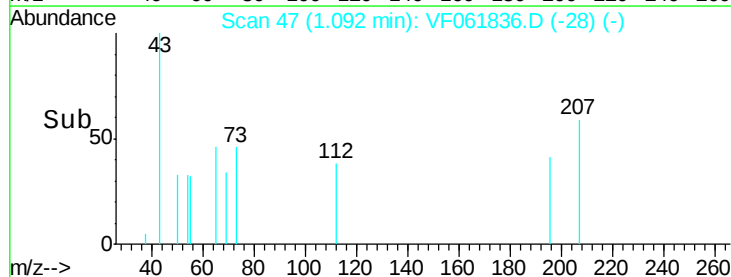
40

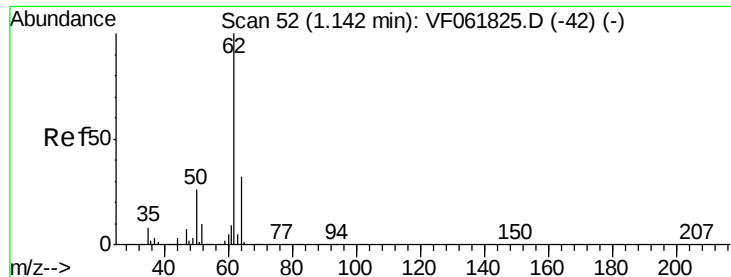
20

0

1.08 1.09 1.10

Time-->





#4

Vinyl Chloride

Concen: 2.213 ug/l

RT: 1.08 min Scan# 46

Delta R.T. -0.06 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampleId :

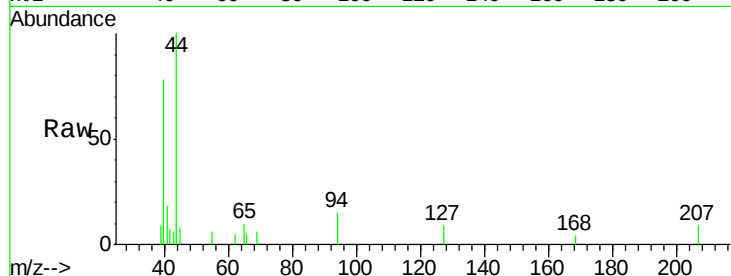
S12

Tot Ion: 62 Resp: 69

Ion Ratio Lower Upper

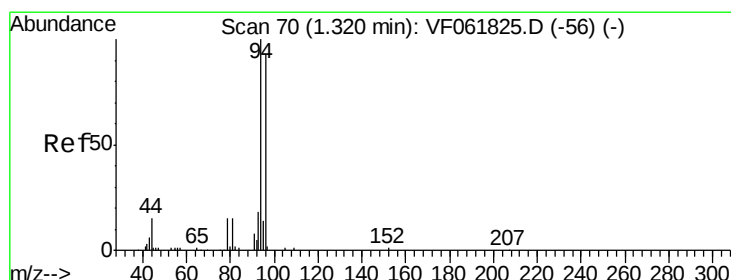
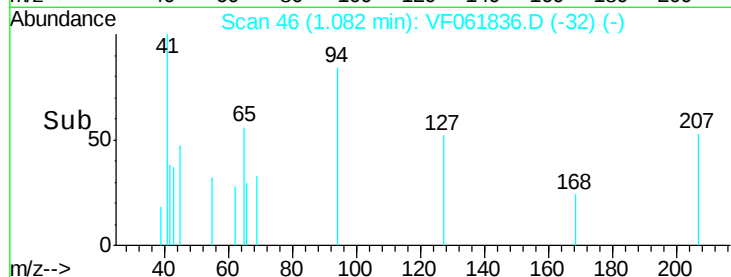
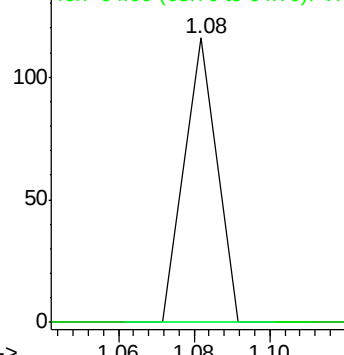
62 100

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: 25.869 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061836.D

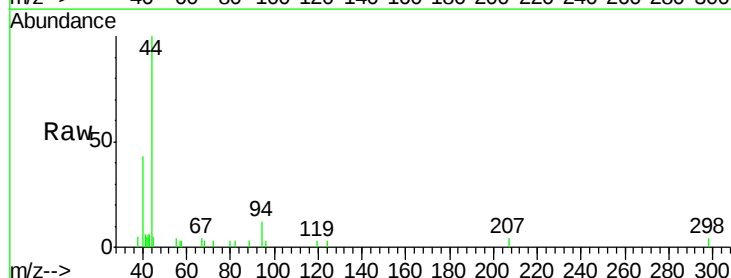
Acq: 4 Mar 2019 23:42

Tgt Ion: 94 Resp: 555

Ion Ratio Lower Upper

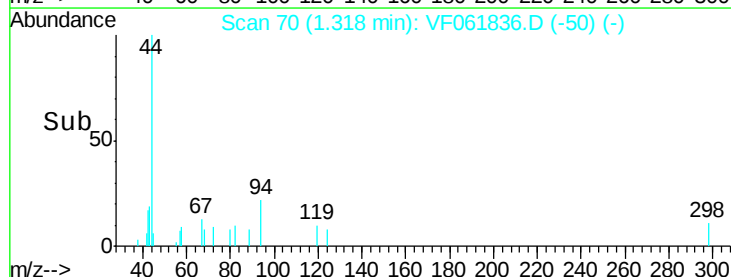
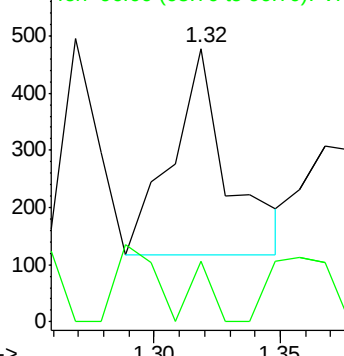
94 100

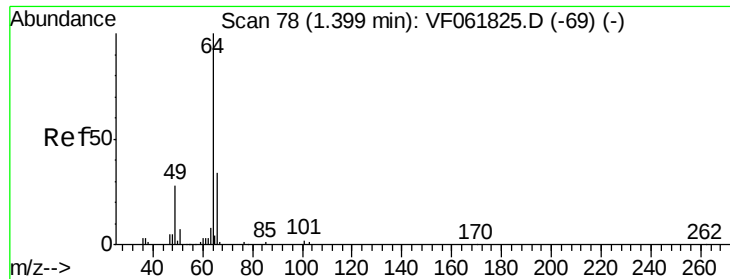
96 22.2 74.6 112.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 5.663 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampled :

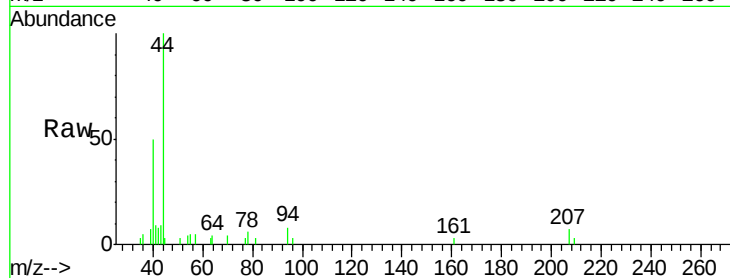
S12

Tot Ion: 64 Resp: 87

Ion Ratio Lower Upper

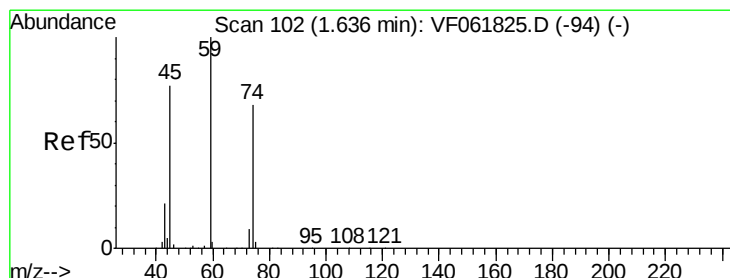
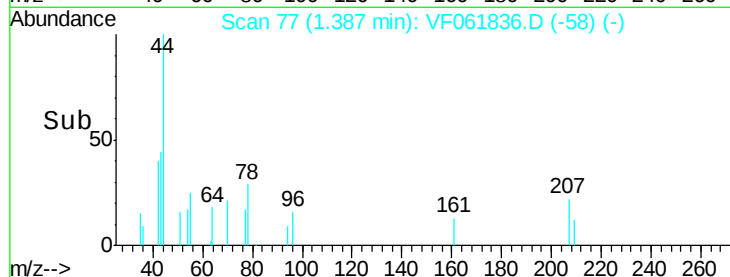
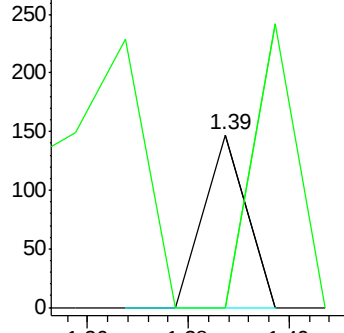
64 100

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: 8.232 ug/l

RT: 1.56 min Scan# 95

Delta R.T. -0.07 min

Lab File: VF061836.D

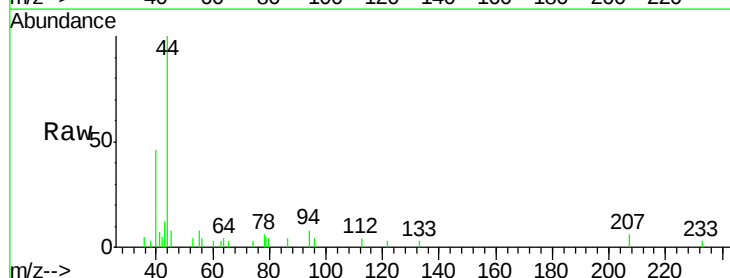
Acq: 4 Mar 2019 23:42

Tgt Ion: 74 Resp: 78

Ion Ratio Lower Upper

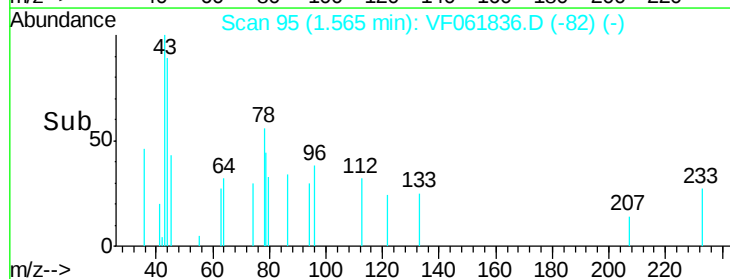
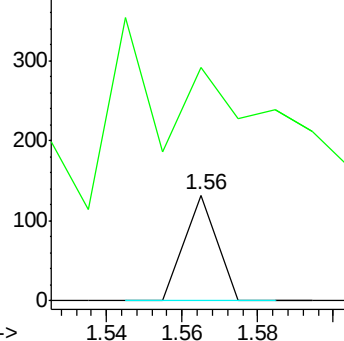
74 100

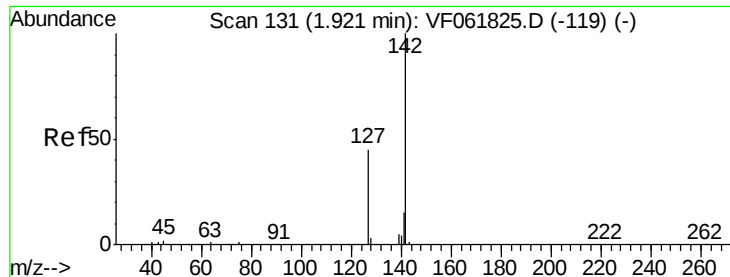
45 220.5 60.8 182.3#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

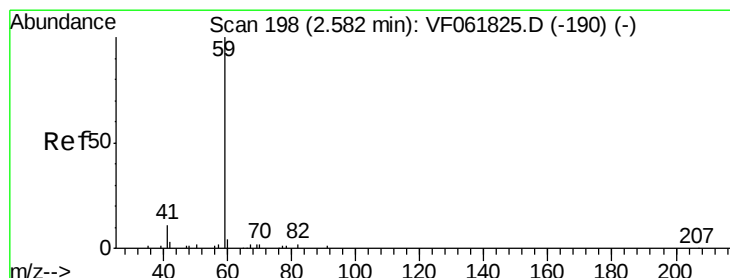
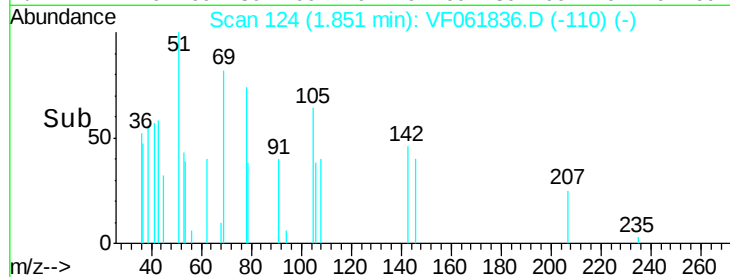
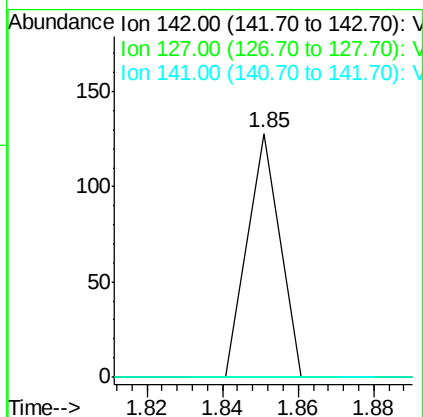
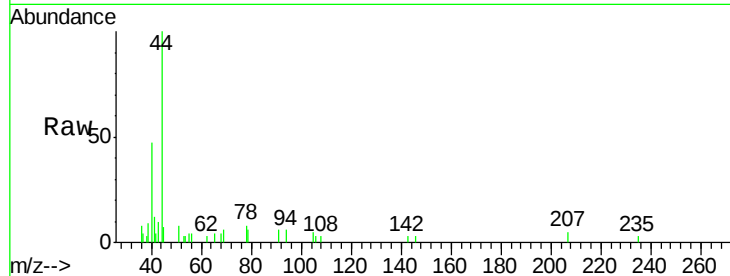




#10
Methyl Iodide
Concen: 1.467 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.06 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

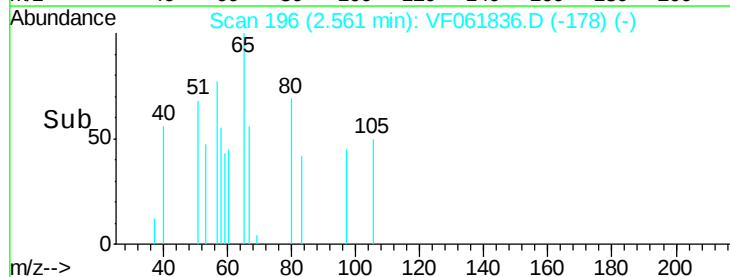
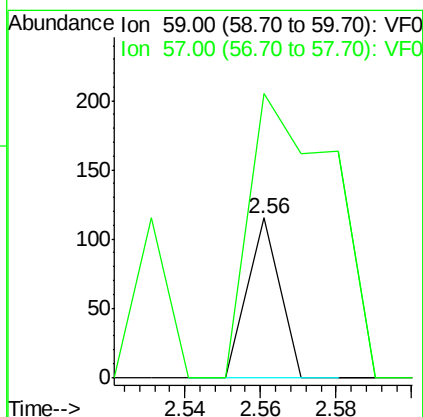
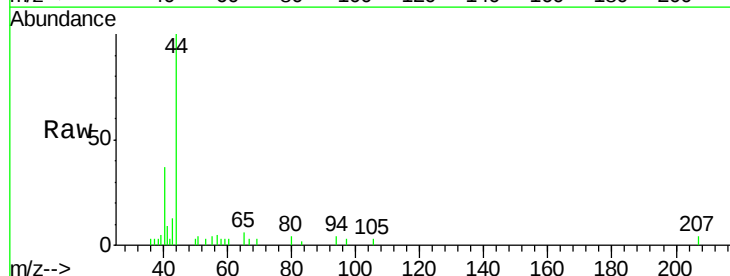
Instrument :
MSVOA_F
ClientSampled :
S12

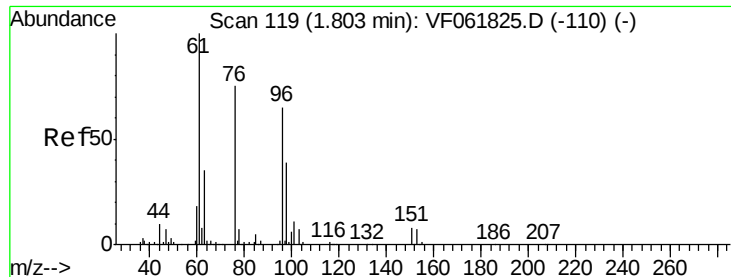
Tot Ion:142 Resp: 76
Ion Ratio Lower Upper
142 100
127 0.0 36.6 55.0#
141 0.0 11.0 16.6#



#11
Tert butyl alcohol
Concen: 57.574 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Tgt Ion: 59 Resp: 68
Ion Ratio Lower Upper
59 100
57 178.3 12.5 18.7#





#12

1,1-Dichloroethene

Concen: 6.164 ug/l

RT: 1.79 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampleId :

S12

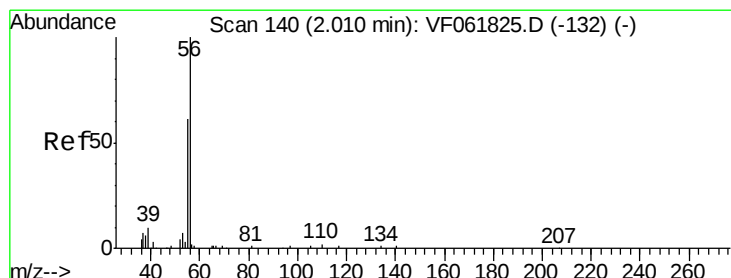
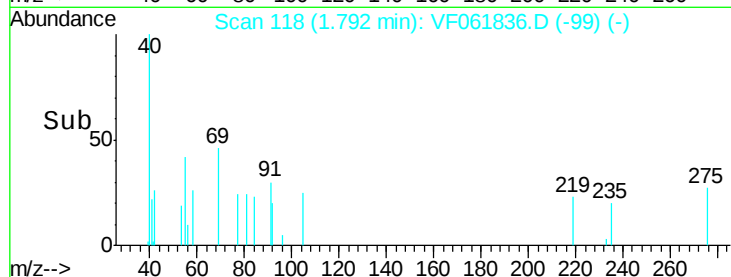
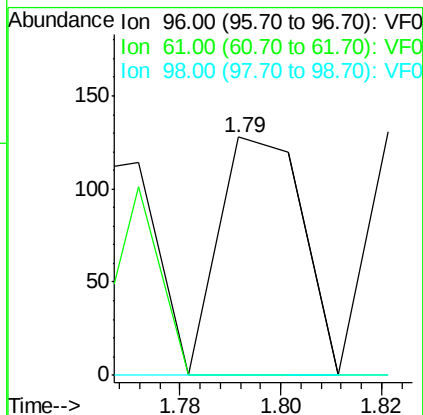
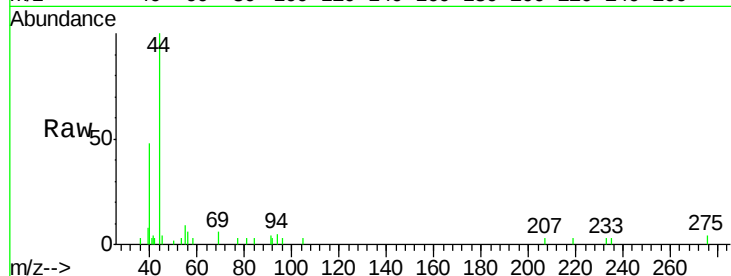
Tot Ion: 96 Resp: 147

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

98 0.0 47.2 70.8#



#13

Acrolein

Concen: 346.262 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061836.D

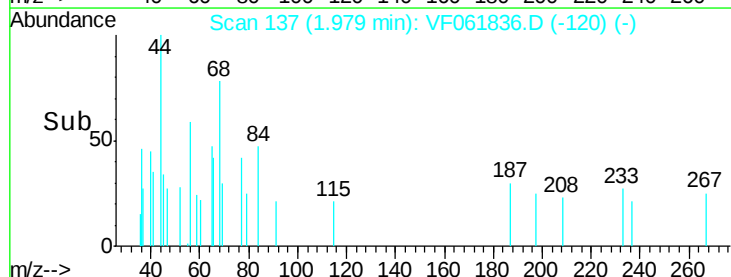
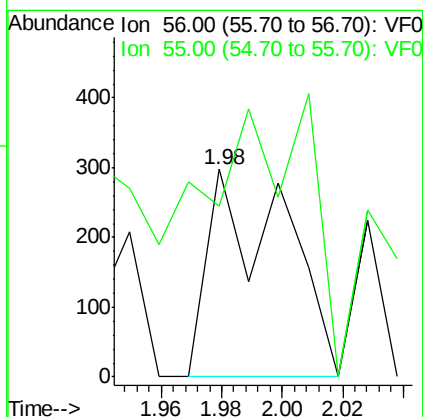
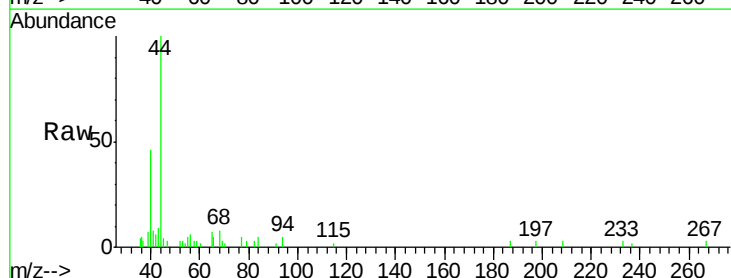
Acq: 4 Mar 2019 23:42

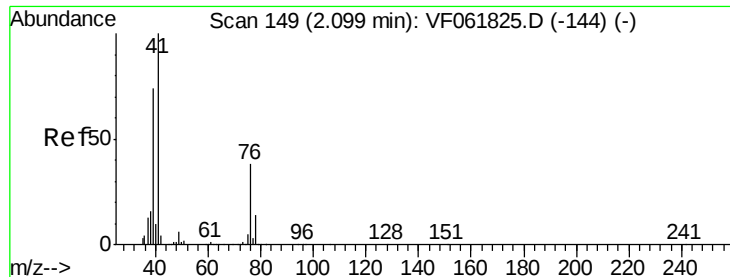
Tgt Ion: 56 Resp: 514

Ion Ratio Lower Upper

56 100

55 82.2 55.0 82.6

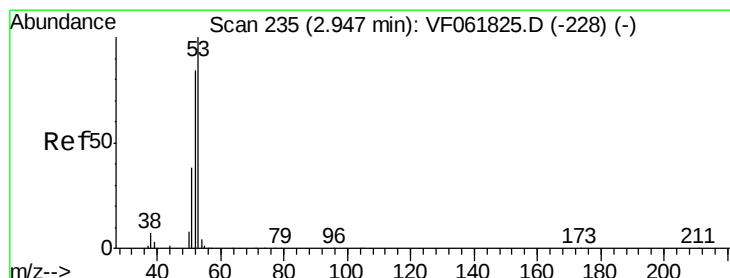
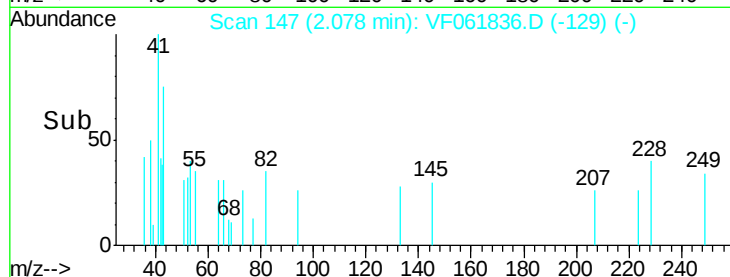
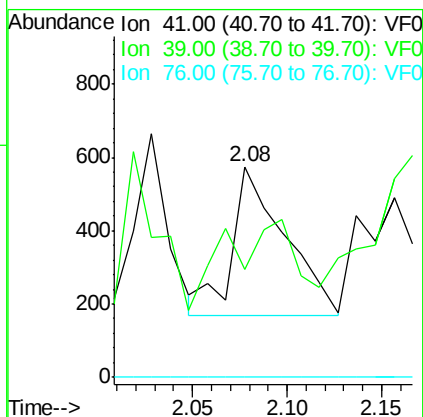
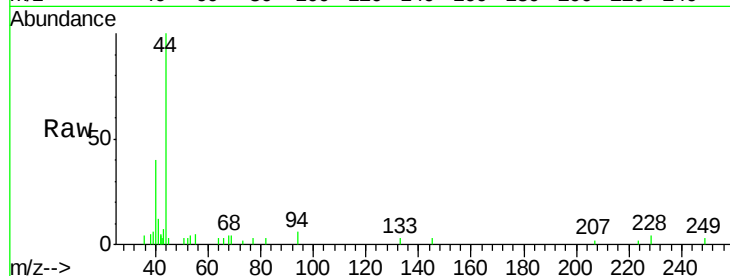




#14
Allvl chloride
Concen: 26.894 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.02 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

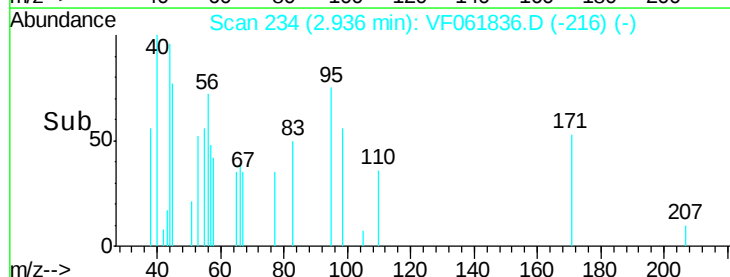
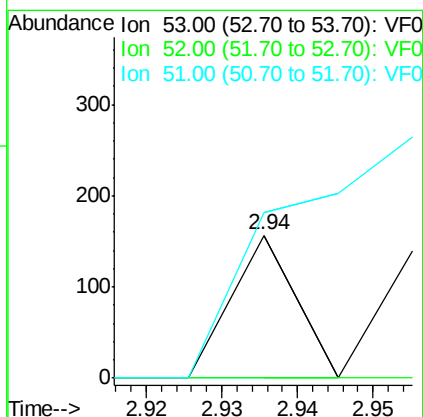
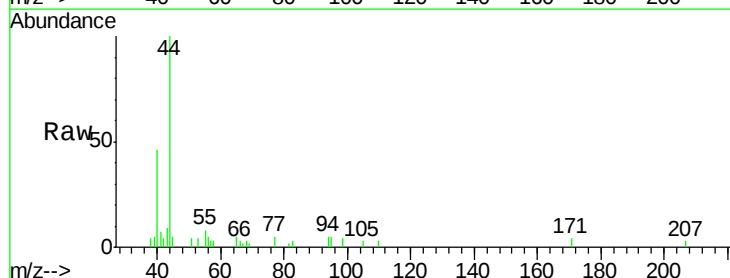
Instrument :
MSVOA_F
ClientSampled :
S12

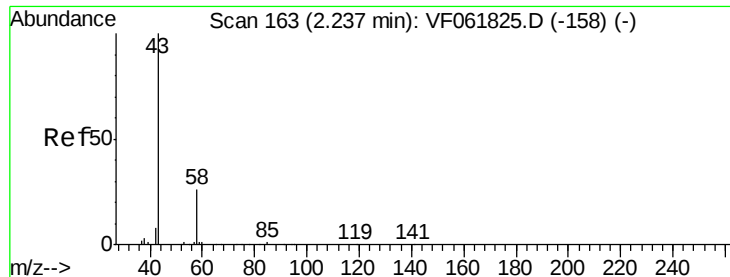
Tot Ion: 41 Resp: 787
Ion Ratio Lower Upper
41 100
39 51.0 61.6 92.4#
76 0.0 30.3 45.5#



#15
Acrylonitrile
Concen: 22.199 ug/l
RT: 2.94 min Scan# 234
Delta R.T. -0.02 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Tgt Ion: 53 Resp: 93
Ion Ratio Lower Upper
53 100
52 100.0 64.6 97.0#
51 115.3 29.8 44.8#

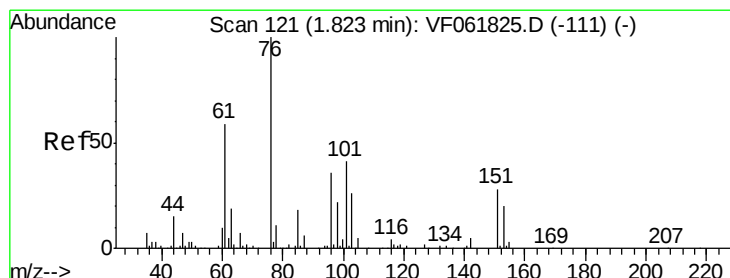
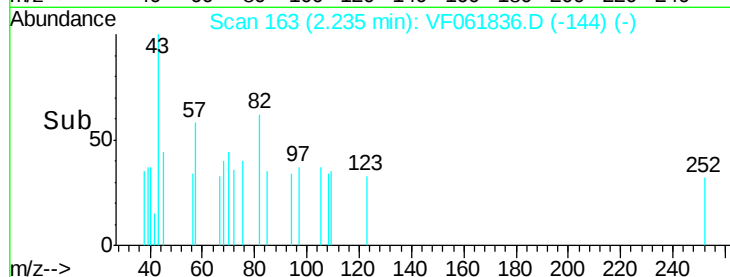
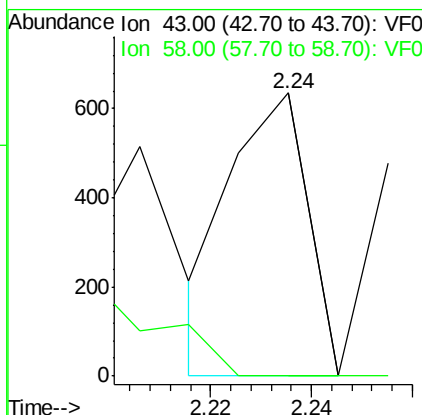
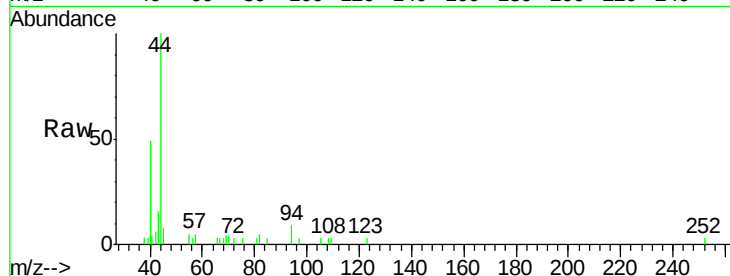




#16
Acetone
Concen: 153.699 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.01 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

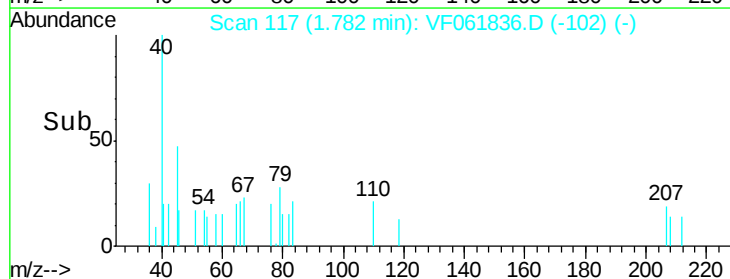
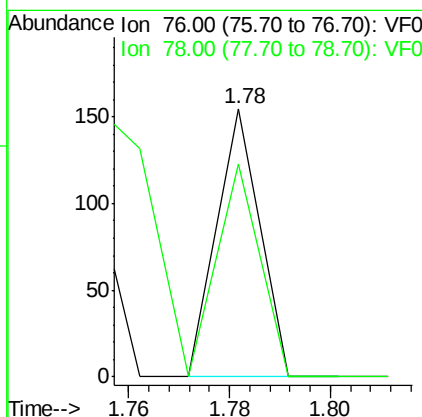
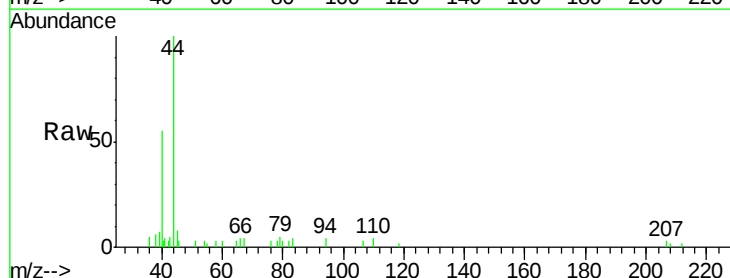
Instrument :
MSVOA_F
ClientSampleId :
S12

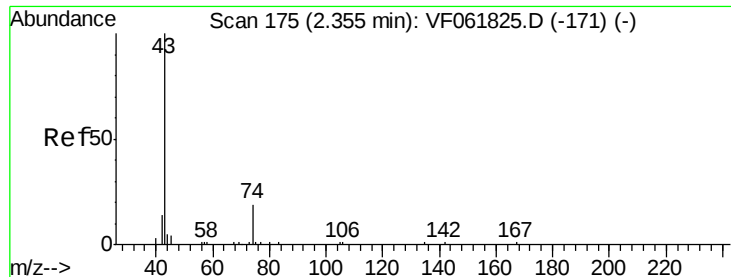
Tot Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#17
Carbon Disulfide
Concen: 1.227 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.05 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Tgt Ion: 76 Resp: 92
Ion Ratio Lower Upper
76 100
78 79.4 7.9 11.9#

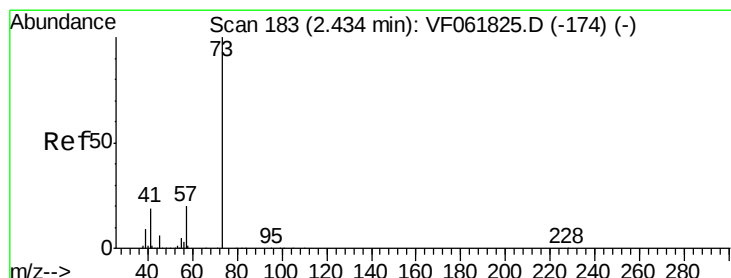
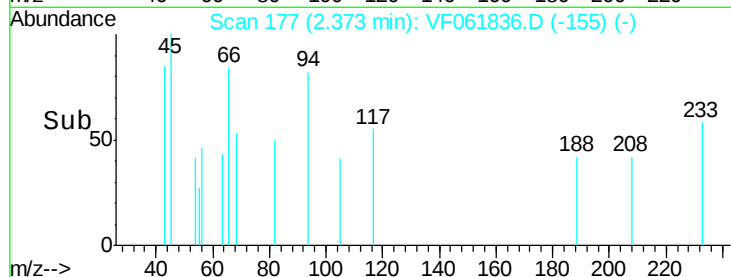
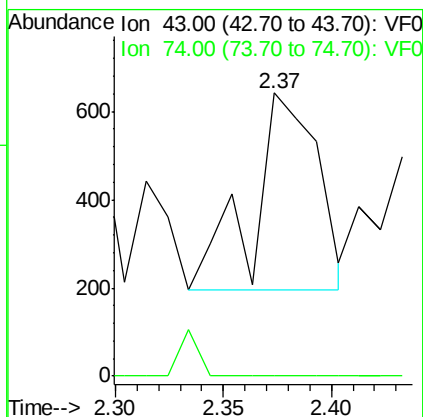
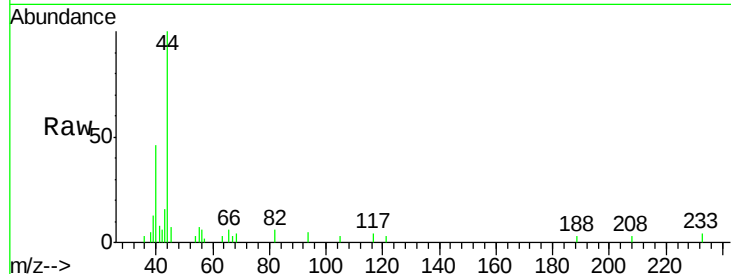




#18
Methyl Acetate
Concen: 94.180 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

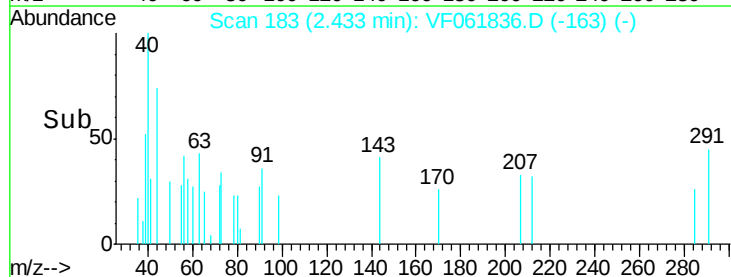
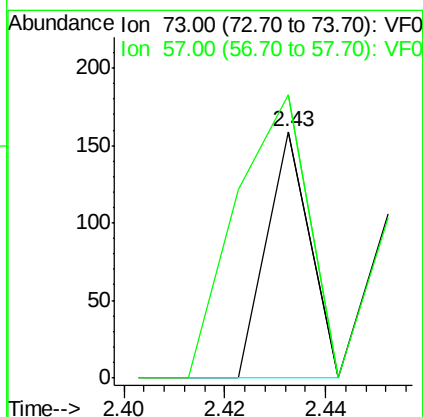
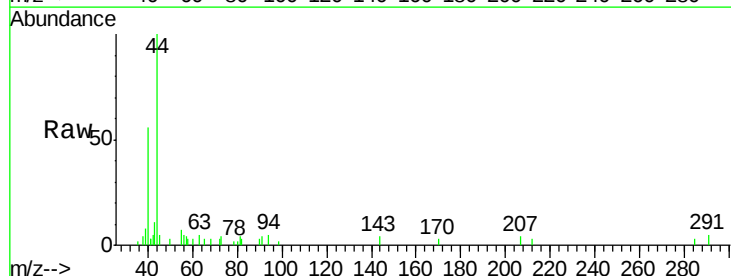
Instrument :
MSVOA_F
ClientSampled :
S12

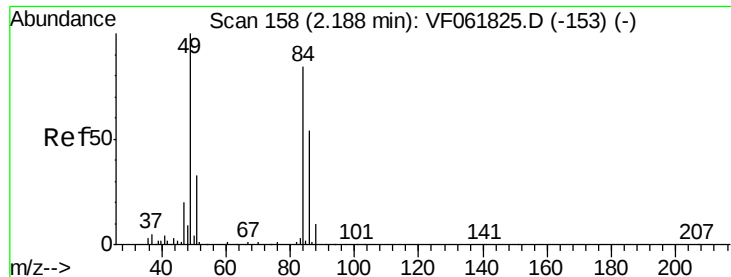
Tot Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#19
Methyl tert-butyl Ether
Concen: 2.306 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Tgt Ion: 73 Resp: 94
Ion Ratio Lower Upper
73 100
57 115.1 15.8 23.8#

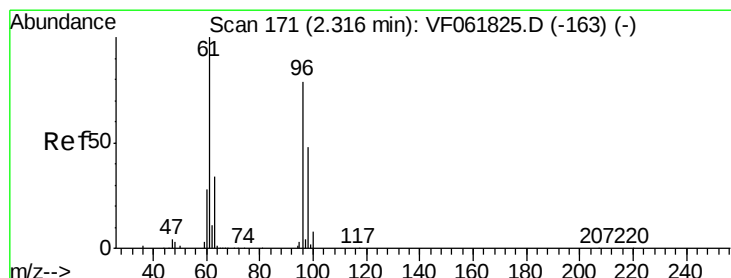
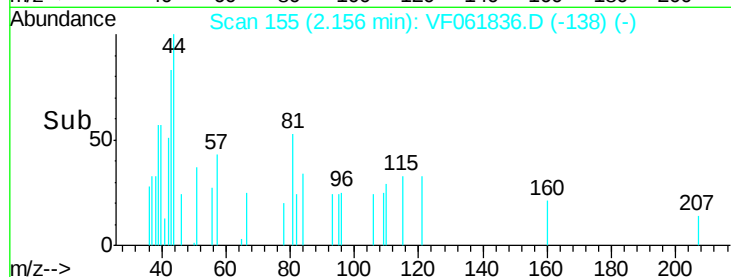
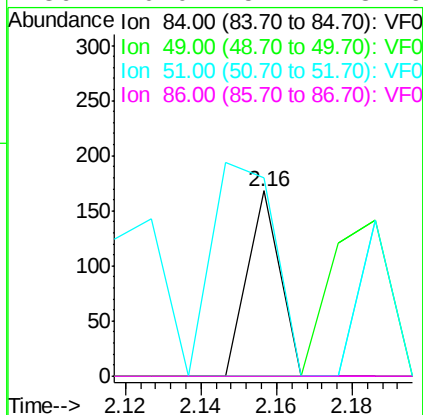
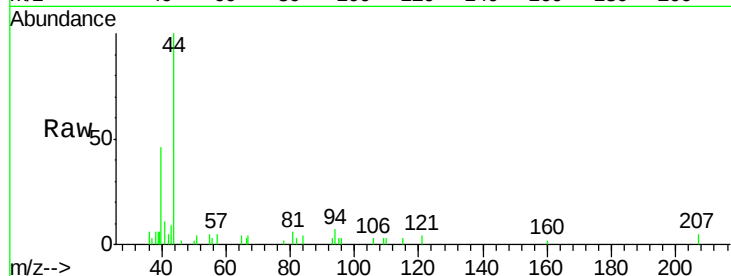




#20
Methvlene Chloride
Concen: 3.743 ug/l
RT: 2.16 min Scan# 155
Delta R.T. -0.03 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

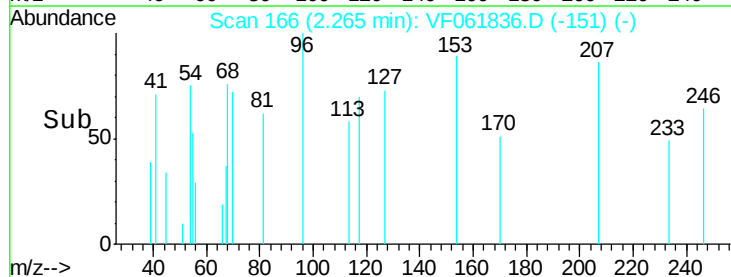
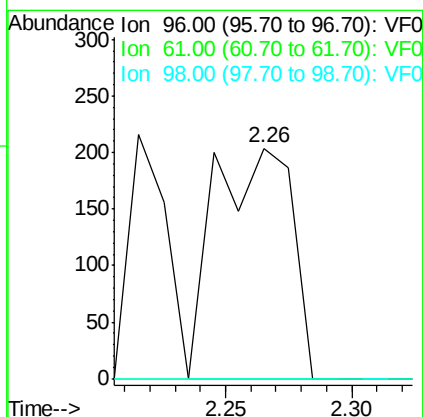
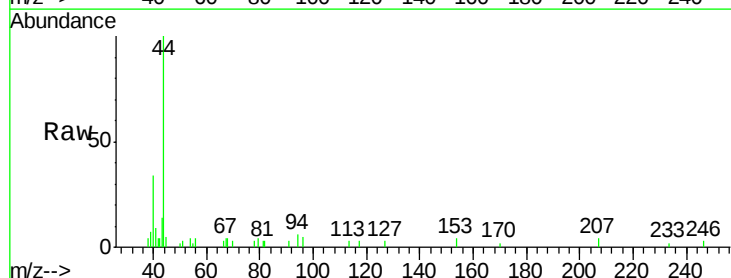
Instrument :
MSVOA_F
ClientSampled :
S12

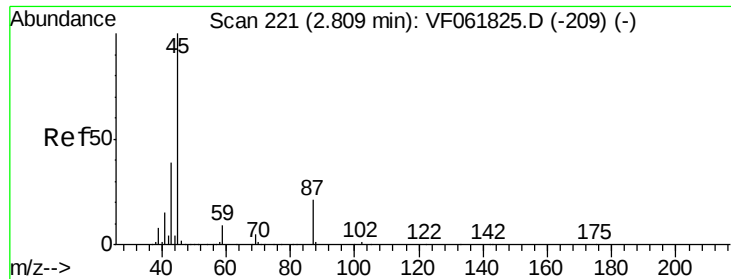
Tot Ion: 84 Resp: 99
Ion Ratio Lower Upper
84 100
49 0.0 101.8 152.8#
51 107.1 31.1 46.7#
86 0.0 54.4 81.6#



#21
trans-1,2-Dichloroethene
Concen: 16.857 ug/l
RT: 2.26 min Scan# 166
Delta R.T. -0.05 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Tgt Ion: 96 Resp: 437
Ion Ratio Lower Upper
96 100
61 0.0 108.2 162.4#
98 0.0 52.2 78.2#

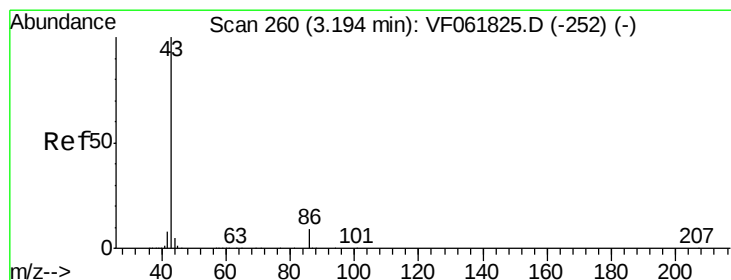
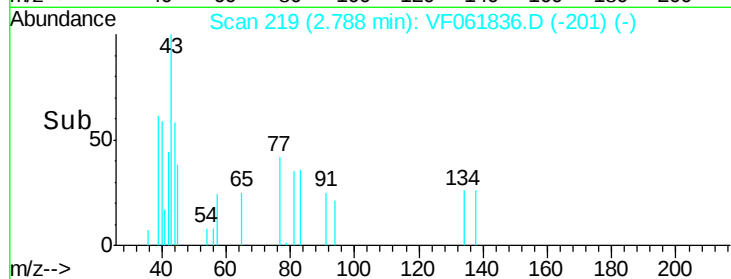
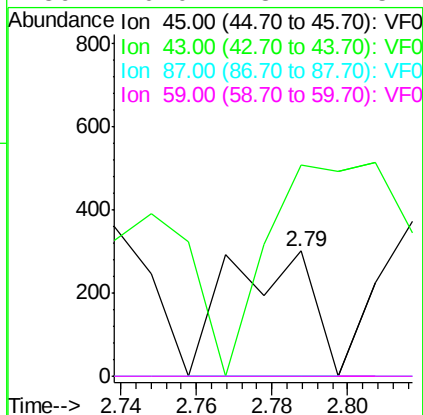
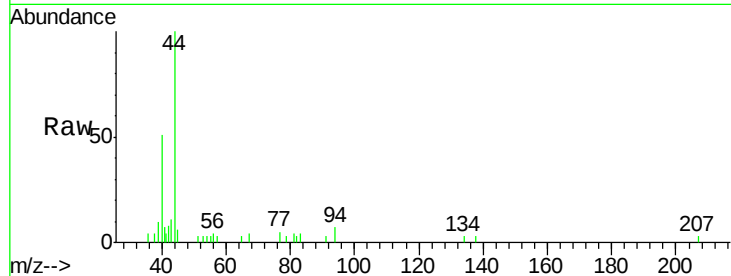




#22
Diisopropyl ether
Concen: 6.634 ug/l
RT: 2.79 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

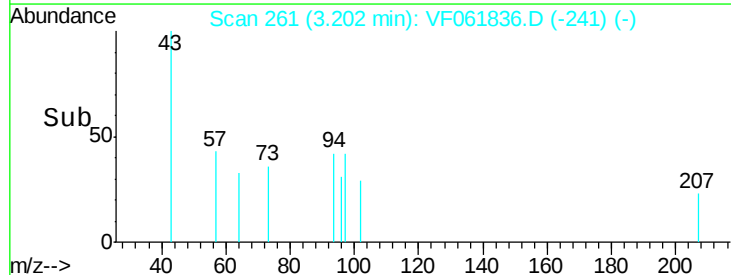
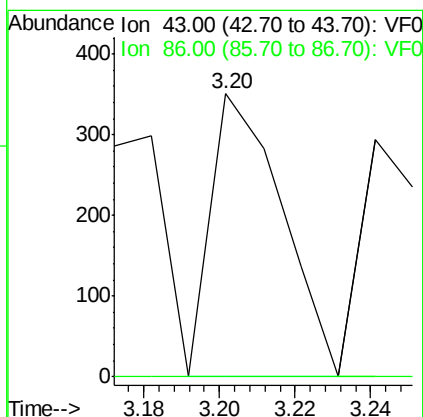
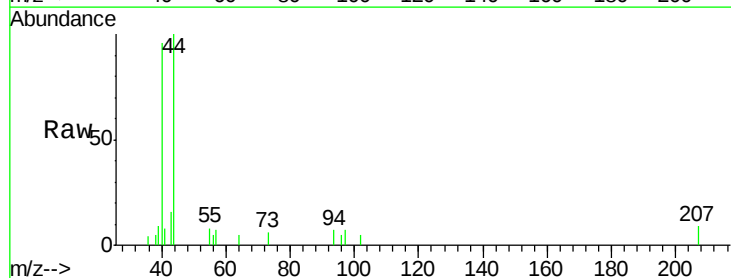
Instrument :
MSVOA_F
ClientSampleId :
S12

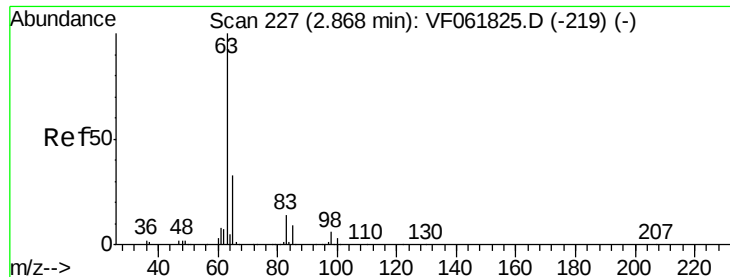
Tot Ion: 45 Resp: 466
Ion Ratio Lower Upper
45 100
43 168.8 31.4 47.2#
87 0.0 16.3 24.5#
59 0.0 8.7 13.1#



#23
Vinyl Acetate
Concen: 13.291 ug/l
RT: 3.20 min Scan# 261
Delta R.T. -0.00 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#24

1,1-Dichloroethane

Concen: 5.152 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampleId :

S12

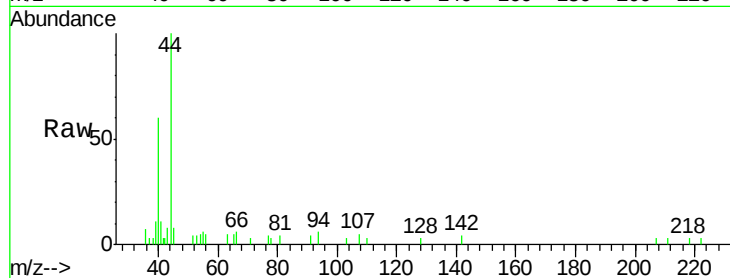
Tot Ion: 63 Resp: 219

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.3#

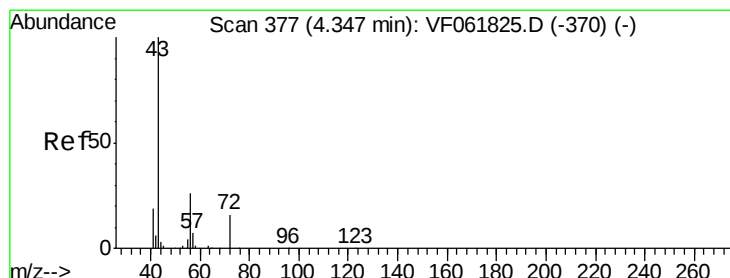
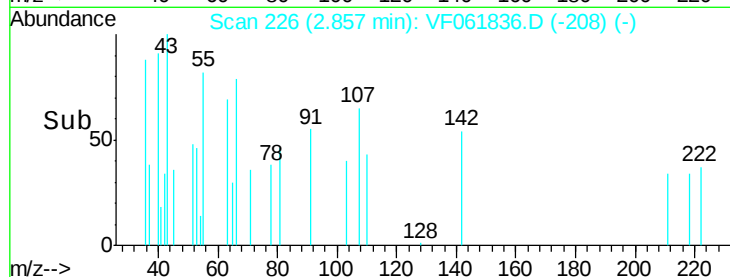
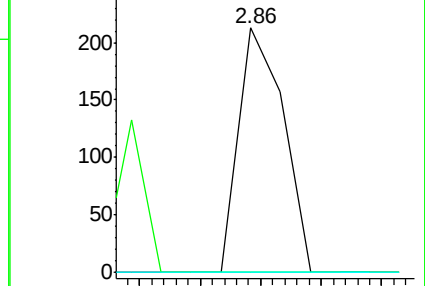
100 0.0 1.8 5.4#



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: 29.589 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.00 min

Lab File: VF061836.D

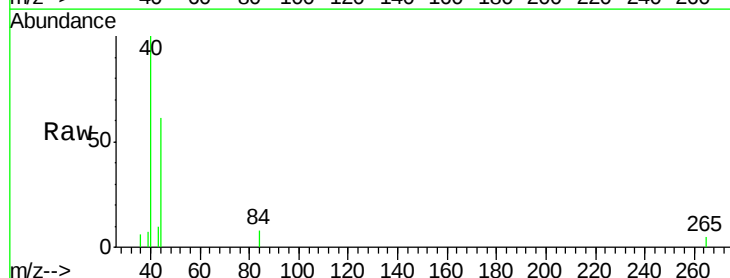
Acq: 4 Mar 2019 23:42

Tgt Ion: 43 Resp: 283

Ion Ratio Lower Upper

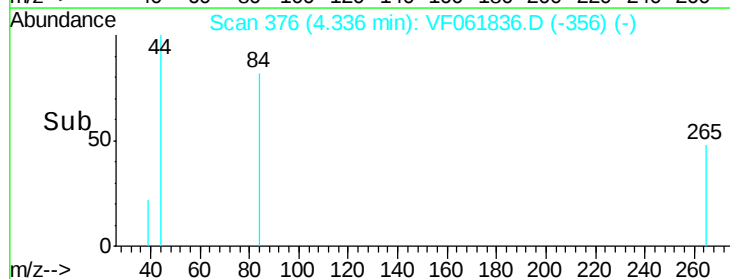
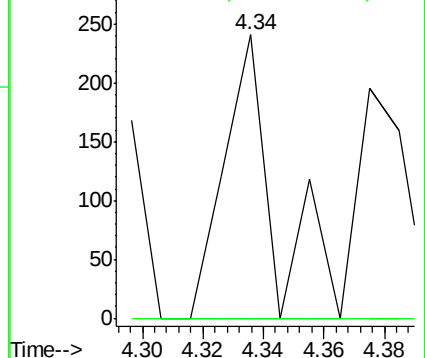
43 100

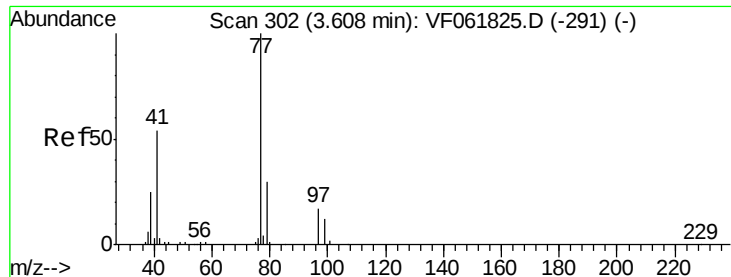
72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 4.998 ug/l

RT: 3.65 min Scan# 306

Delta R.T. 0.03 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampleId :

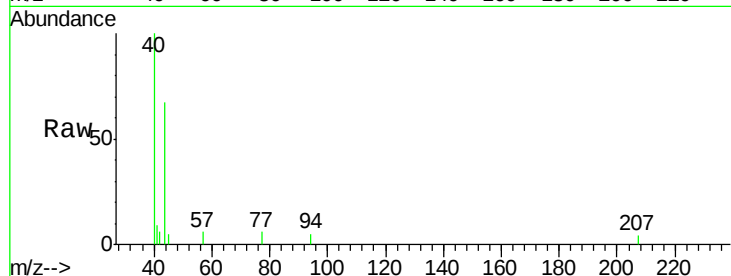
S12

Tot Ion: 77 Resp: 90

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

3.65

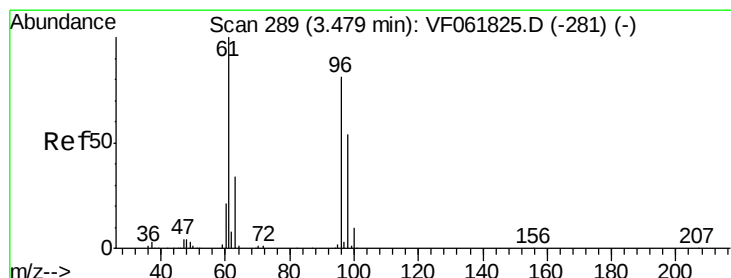
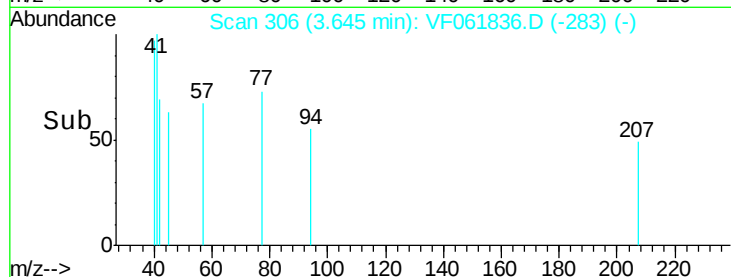
150

100

50

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 2.057 ug/l

RT: 3.49 min Scan# 290

Delta R.T. -0.00 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

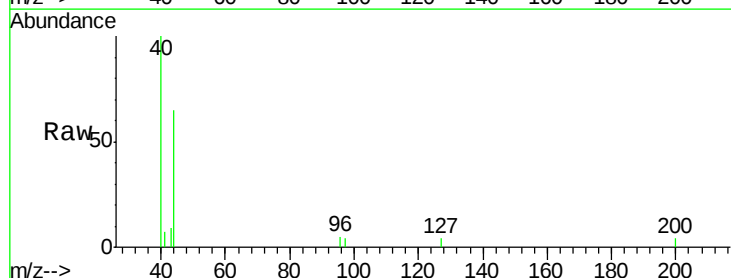
Tgt Ion: 96 Resp: 70

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

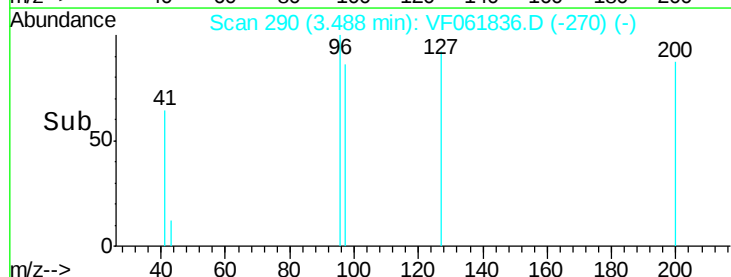
150

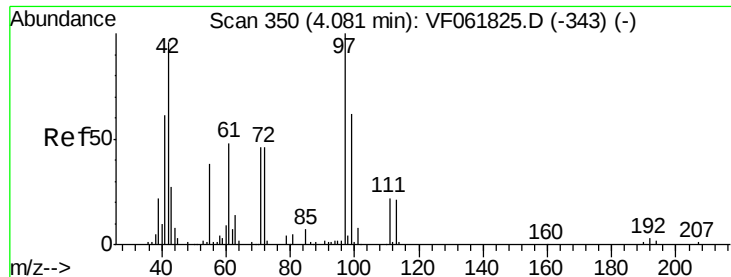
100

50

0

Time-->





#29

Tetrahydrofuran

Concen: 34.046 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampled :

S12

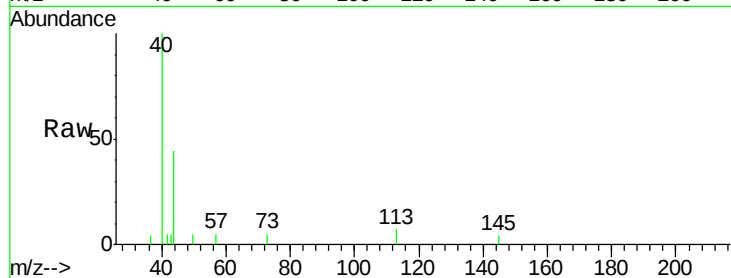
Tot Ion: 42 Resp: 148

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 0.0 32.9 49.3#

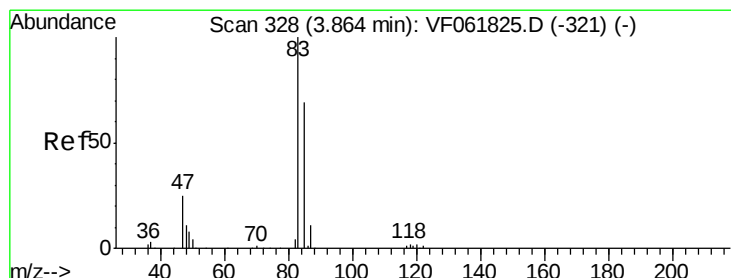
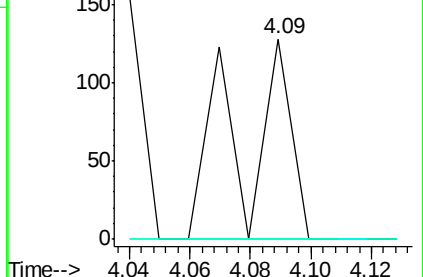
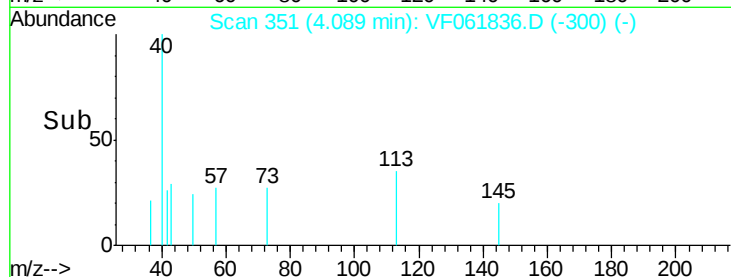


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

Time-->



#30

Chloroform

Concen: 1.365 ug/l

RT: 3.70 min Scan# 312

Delta R.T. -0.17 min

Lab File: VF061836.D

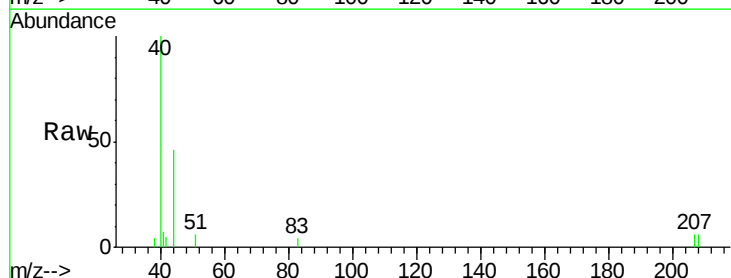
Acq: 4 Mar 2019 23:42

Tgt Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

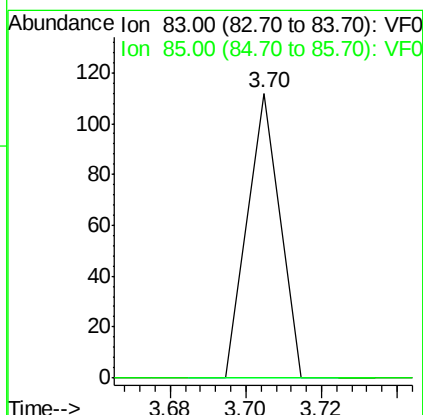
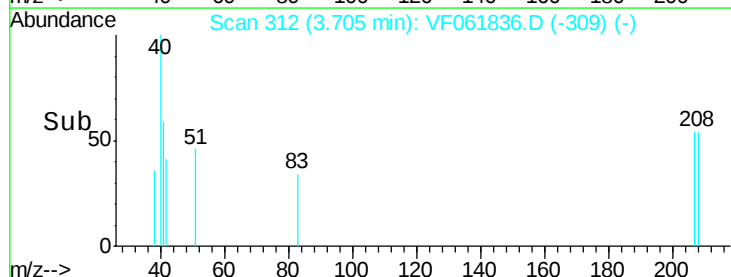
85 0.0 51.1 76.7#

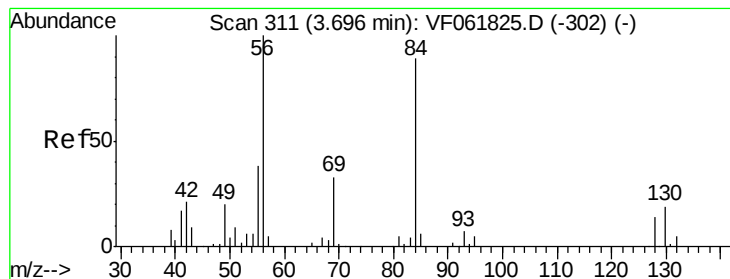


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Time-->





#31

Cvclohexane

Concen: 1.456 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.04 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampled :

S12

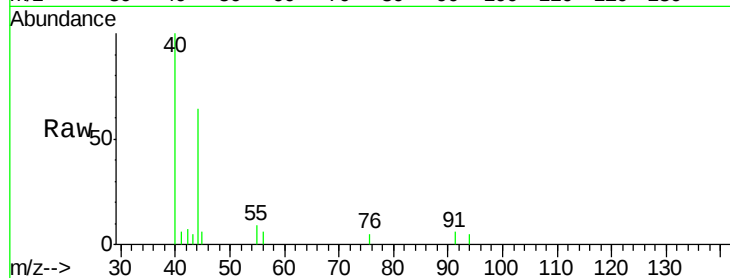
Tot Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

69 0.0 23.8 35.8#

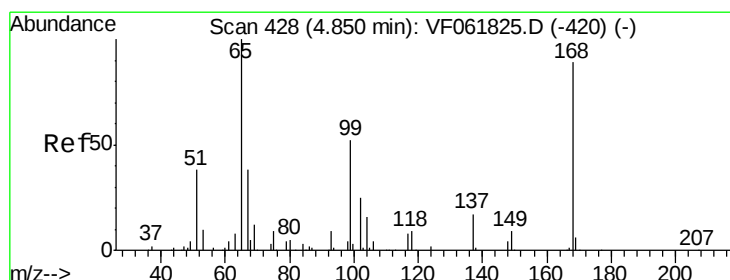
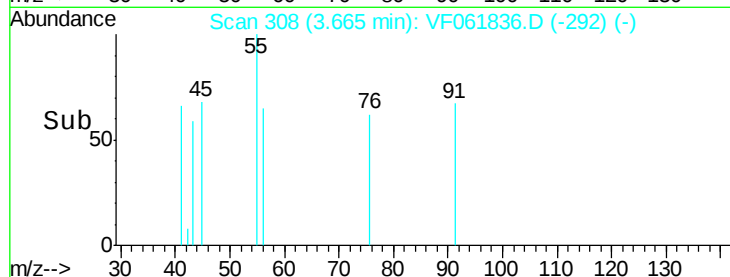
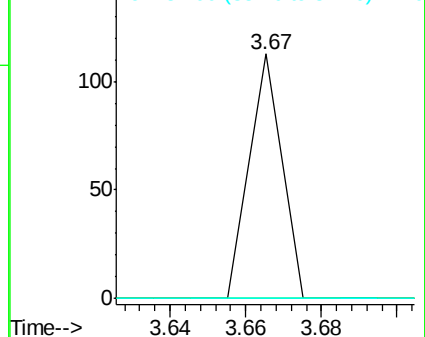
84 0.0 68.6 103.0#



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: 8.967 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.04 min

Lab File: VF061836.D

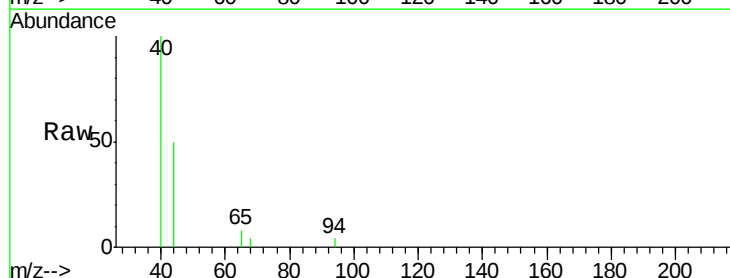
Acq: 4 Mar 2019 23:42

Tgt Ion: 65 Resp: 183

Ion Ratio Lower Upper

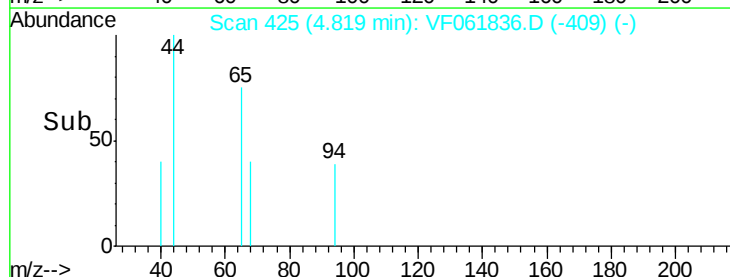
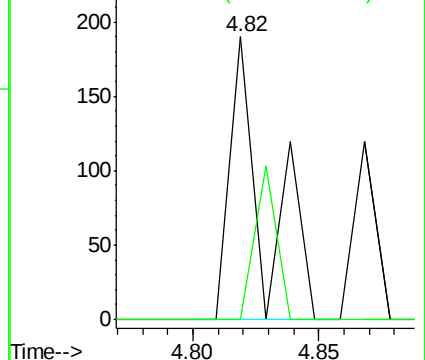
65 100

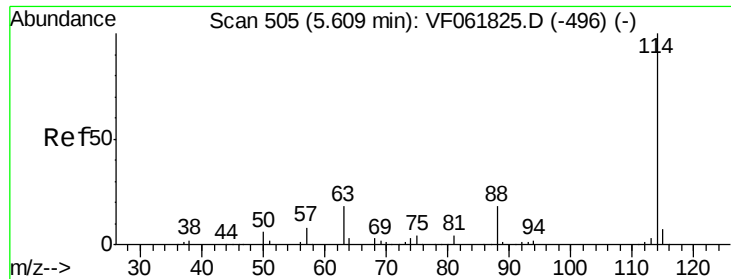
67 0.0 0.0 104.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

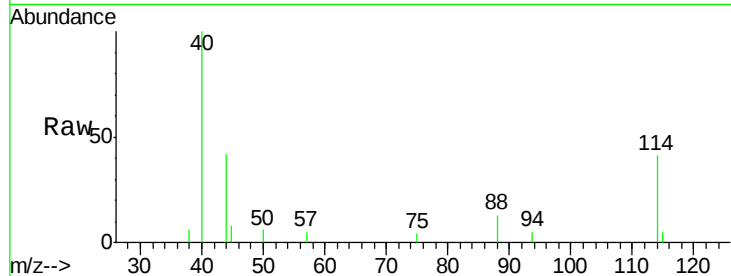




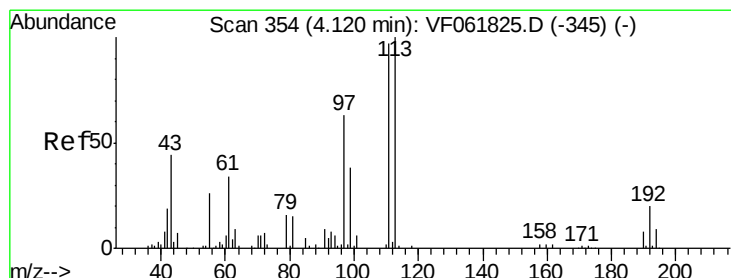
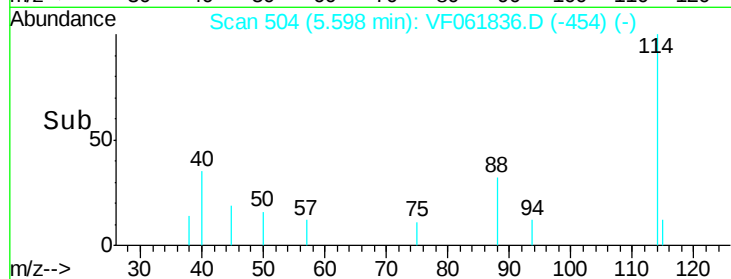
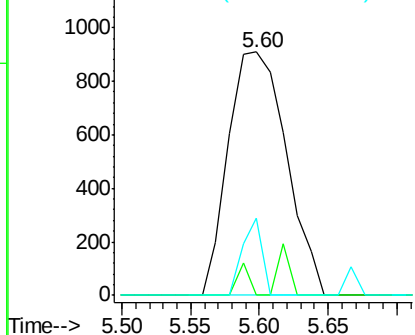
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061836.D
 Acq: 4 Mar 2019 23:42

Instrument :
 MSVOA_F
 ClientSampleId :
 S12

Tot Ion:114 Resp: 2674
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 36.6
 88 31.9 0.0 34.4

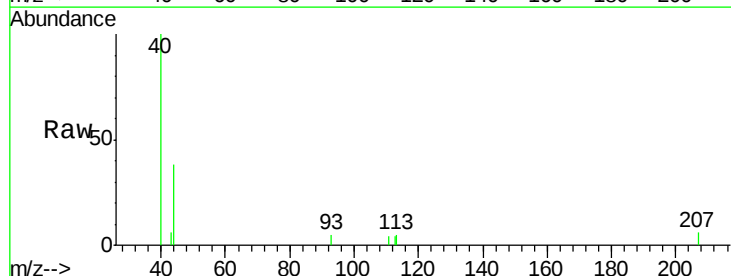


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 88.00 (87.70 to 88.70): V

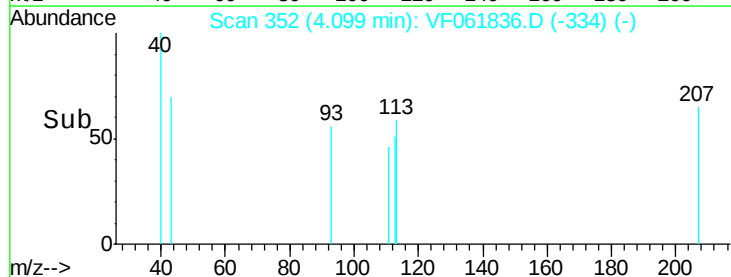
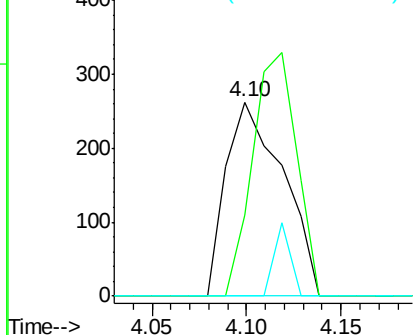


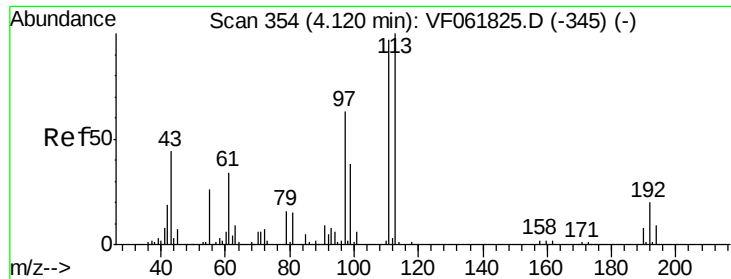
#35
 Dibromofluoromethane
 Concen: 27.546 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061836.D
 Acq: 4 Mar 2019 23:42

Tgt Ion:113 Resp: 547
 Ion Ratio Lower Upper
 113 100
 111 42.0 78.8 118.2#
 192 0.0 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

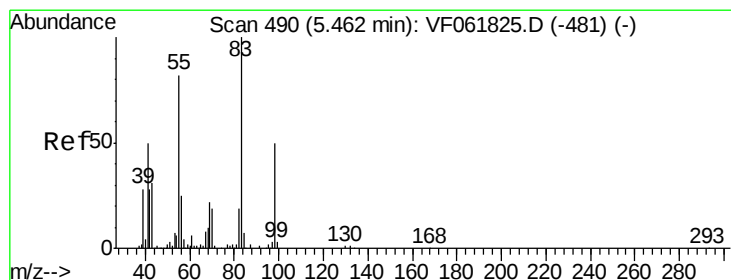
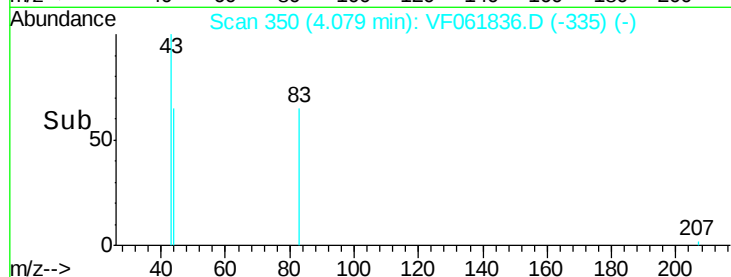
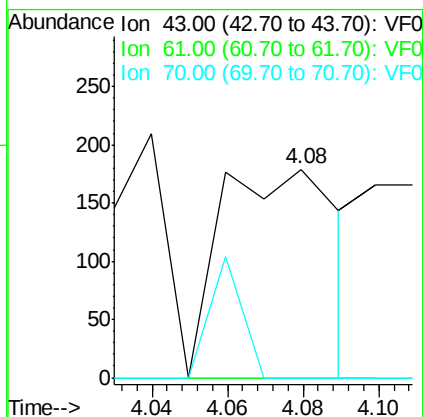
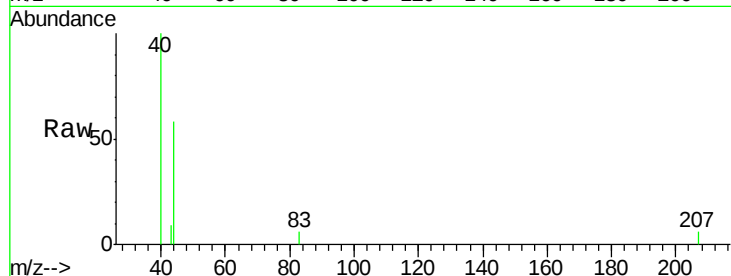




#37
Ethyl Acetate
Concen: 31.373 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.05 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

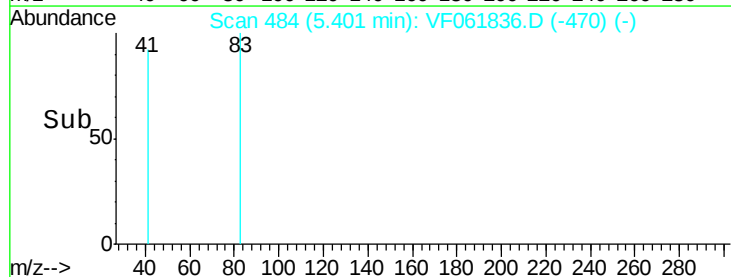
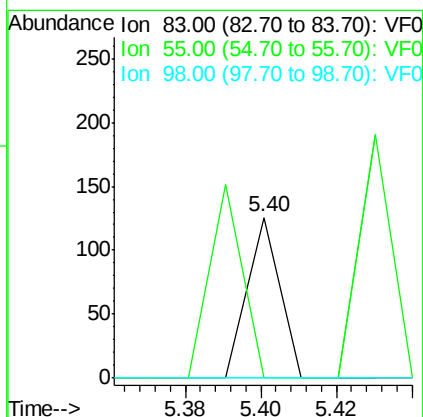
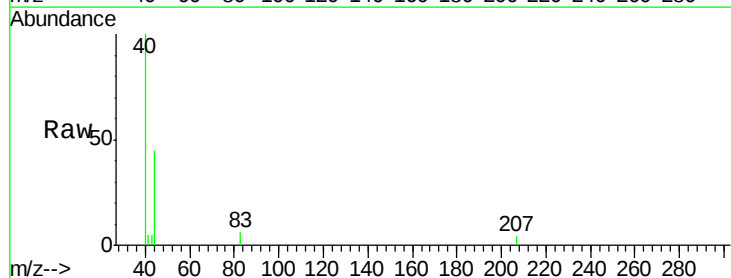
Instrument :
MSVOA_F
ClientSampled :
S12

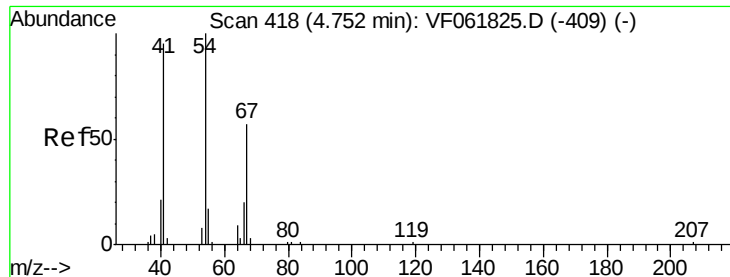
Tot Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
61 0.0 45.7 68.5#
70 0.0 8.5 12.7#



#39
Methylcyclohexane
Concen: 2.394 ug/l
RT: 5.40 min Scan# 484
Delta R.T. -0.06 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Tgt Ion: 83 Resp: 75
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.0 40.4 60.6#

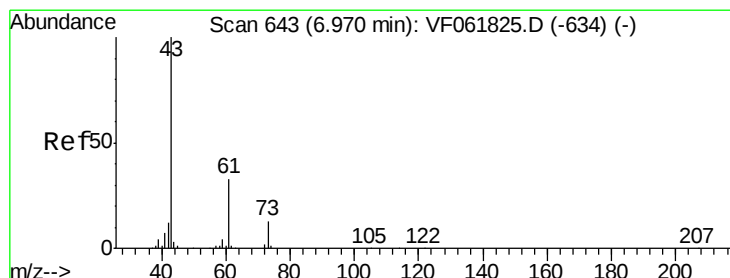
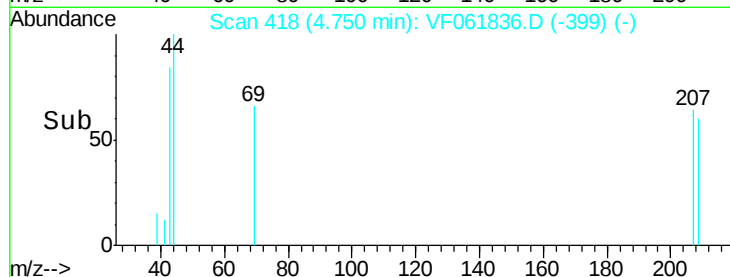
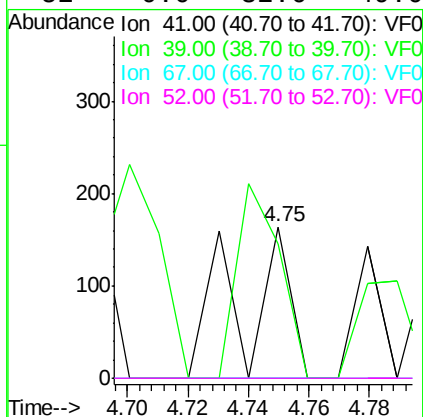
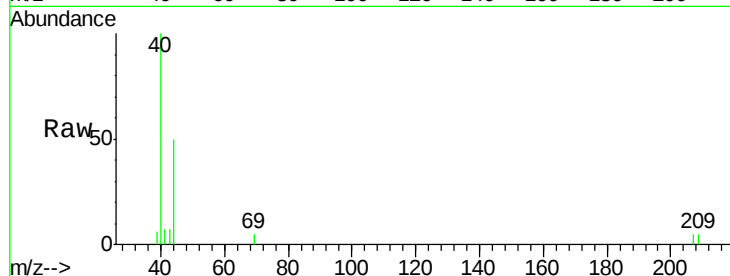




#41
Methacrylonitrile
Concen: 30.515 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.01 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

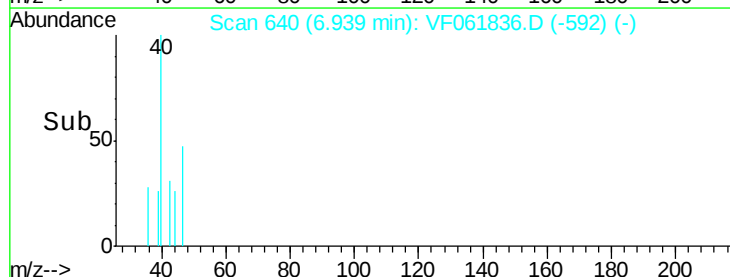
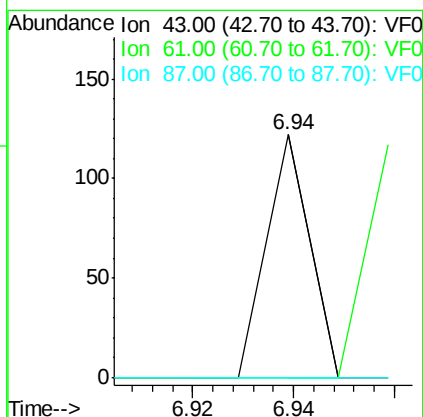
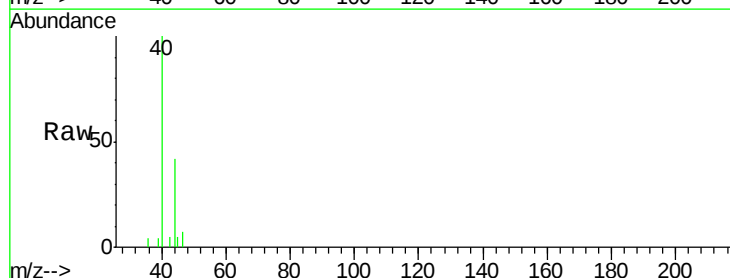
Instrument :
MSVOA_F
ClientSampleId :
S12

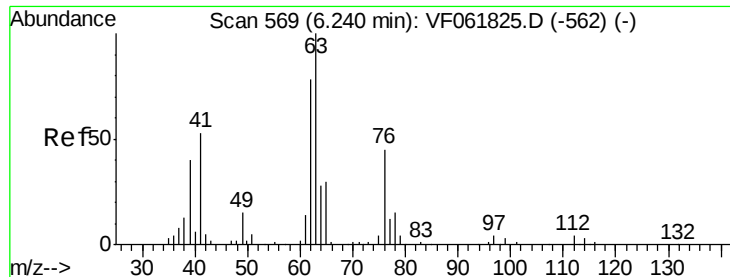
Tot Ion:	41	Resp:	192
Ion	Ratio	Lower	Upper
41	100		
39	88.4	45.3	67.9#
67	0.0	49.3	73.9#
52	0.0	32.6	49.0#



#43
Isopropyl Acetate
Concen: 4.944 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.03 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Tgt Ion:	43	Resp:	72
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: 3.881 ug/l

RT: 6.11 min Scan# 556

Delta R.T. -0.14 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampleId :

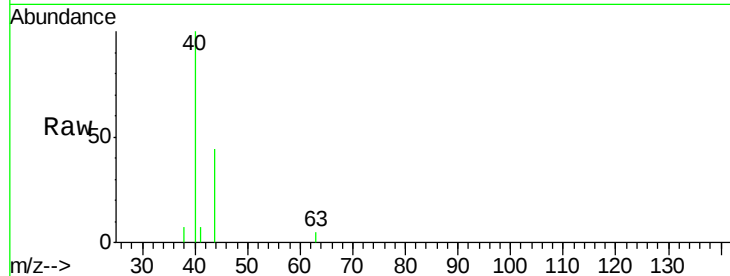
S12

Tot Ion: 63 Resp: 65

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

6.11

120

100

80

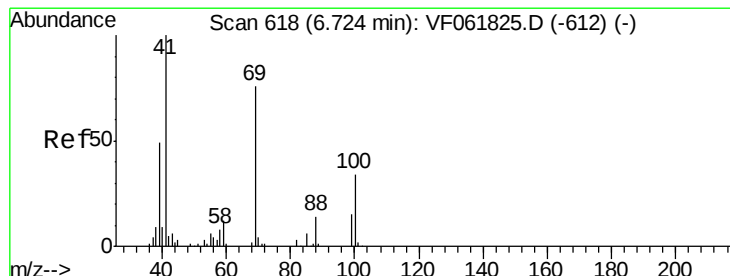
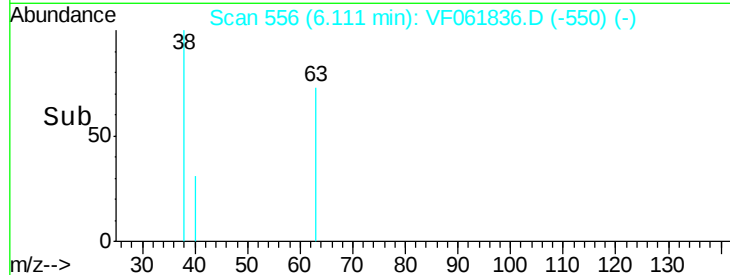
60

40

20

0

Time-->



#48

Methyl methacrylate

Concen: 8.672 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.04 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

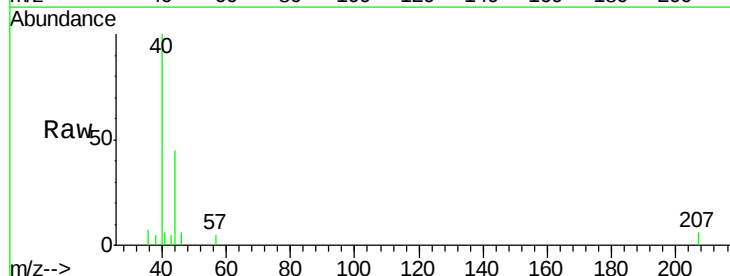
Tgt Ion: 41 Resp: 76

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

300

250

200

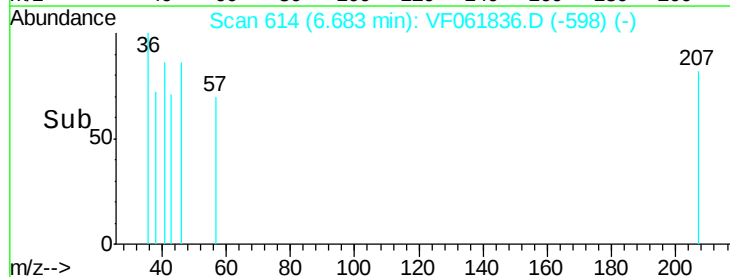
150

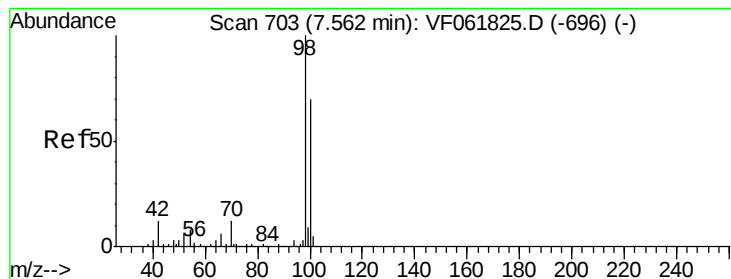
100

50

0

Time-->





#50

Toluene-d8

Concen: 29.273 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampleId :

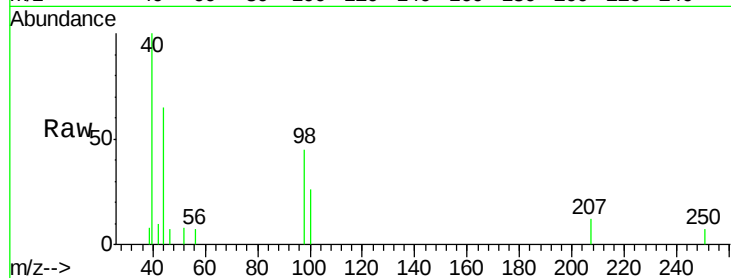
S12

Tot Ion: 98 Resp: 1671

Ion Ratio Lower Upper

98 100

100 57.1 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.55

600

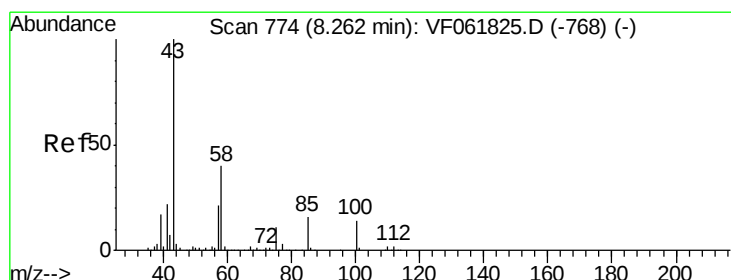
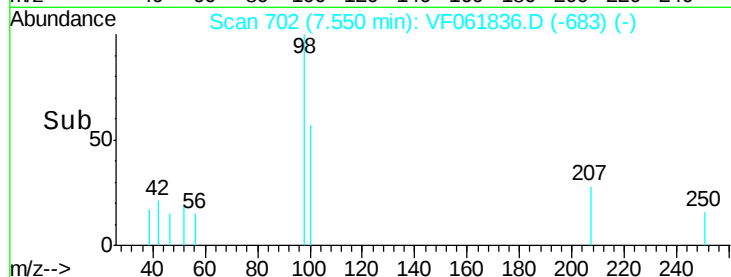
400

200

0

7.50 7.55 7.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 20.180 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.02 min

Lab File: VF061836.D

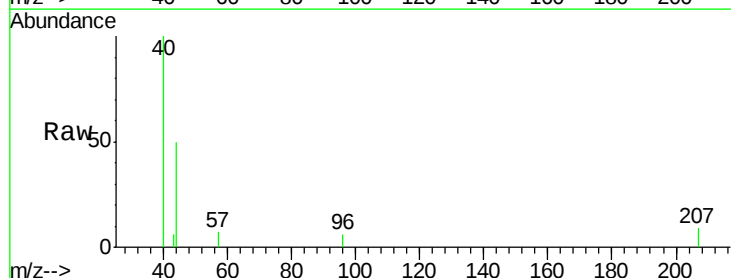
Acq: 4 Mar 2019 23:42

Tgt Ion: 43 Resp: 210

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

8.25

150

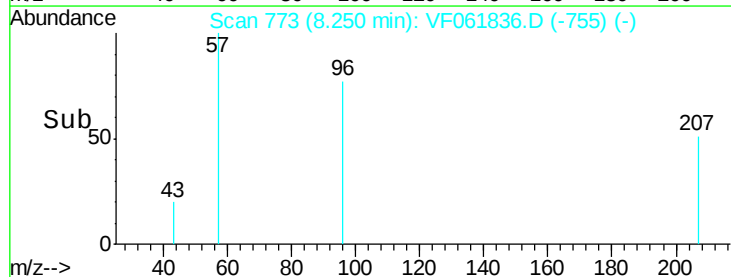
100

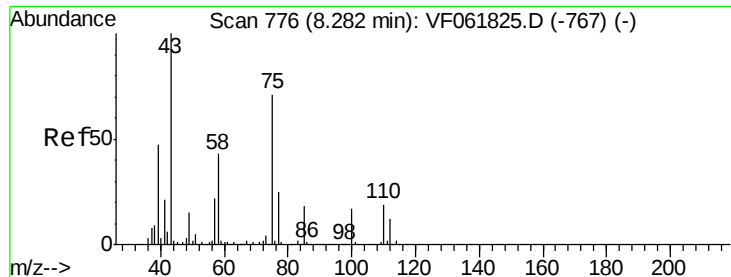
50

0

8.22 8.24 8.26 8.28 8.30

Time-->

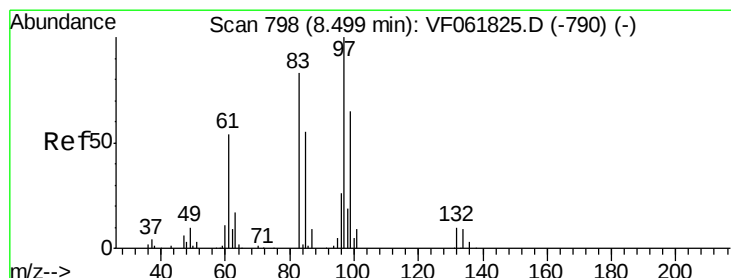
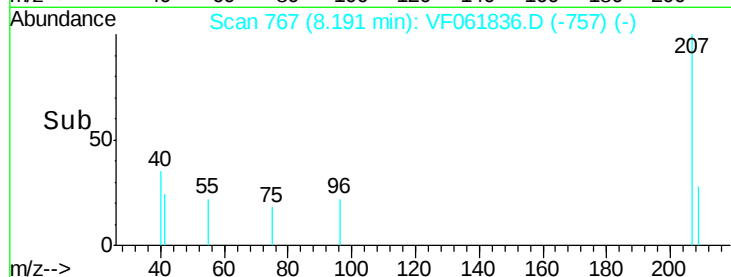
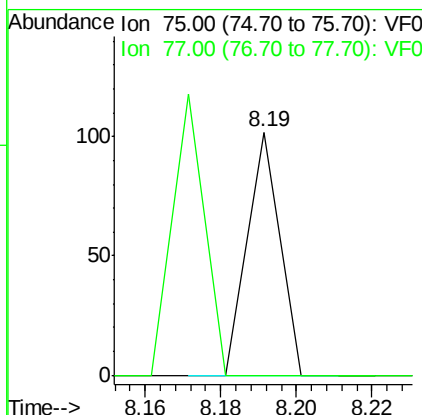
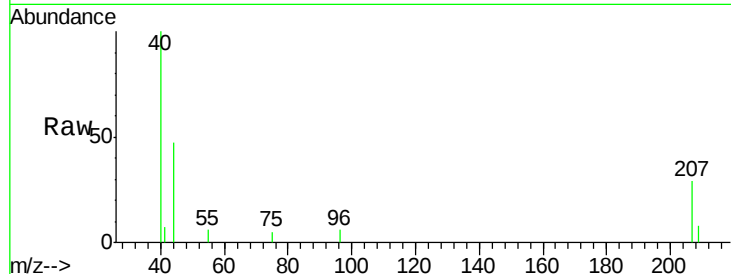




#53
 t-1,3-Dichloropropene
 Concen: 3.193 ug/l
 RT: 8.19 min Scan# 767
 Delta R.T. -0.10 min
 Lab File: VF061836.D
 Acq: 4 Mar 2019 23:42

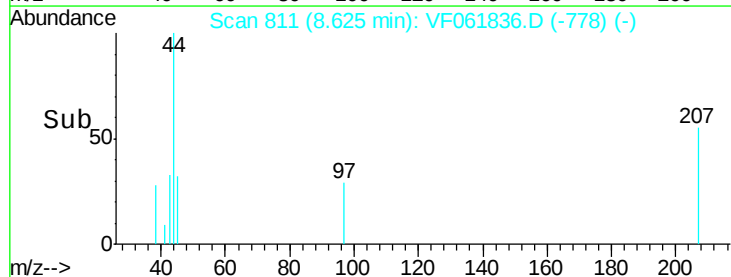
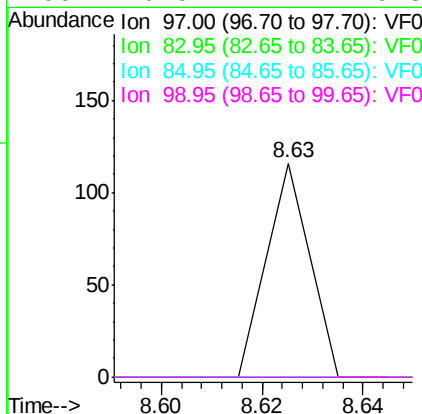
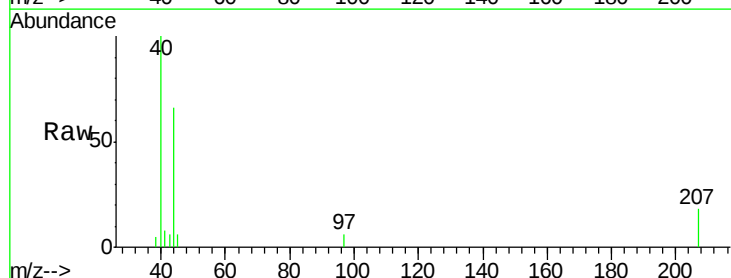
Instrument :
 MSVOA_F
 ClientSampled :
 S12

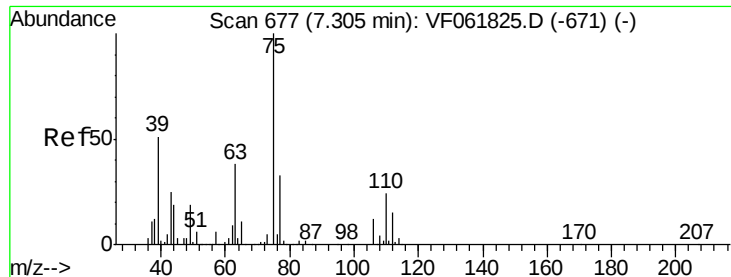
Tot Ion: 75 Resp: 60
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#



#55
 1,1,2-Trichloroethane
 Concen: 5.589 ug/l
 RT: 8.63 min Scan# 811
 Delta R.T. 0.13 min
 Lab File: VF061836.D
 Acq: 4 Mar 2019 23:42

Tgt Ion: 97 Resp: 69
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.2 103.8#
 85 0.0 43.0 64.4#
 99 0.0 47.2 70.8#





#58

2-Chloroethyl Vinyl ether

Concen: 26.142 ug/l

RT: 7.18 min Scan# 664

Delta R.T. -0.13 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampleId :

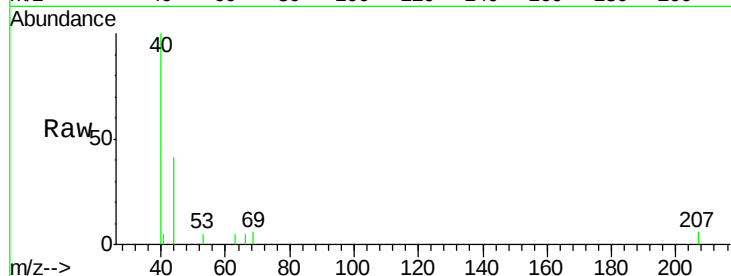
S12

Tot Ion: 63 Resp: 62

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

7.18

100

80

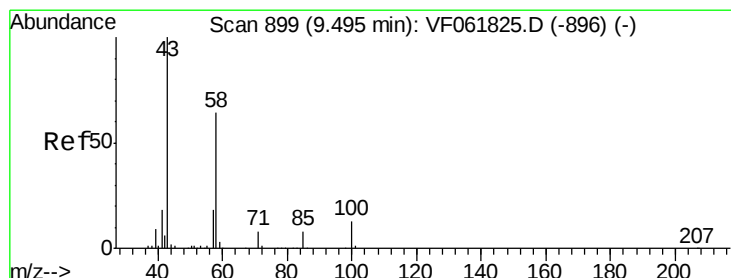
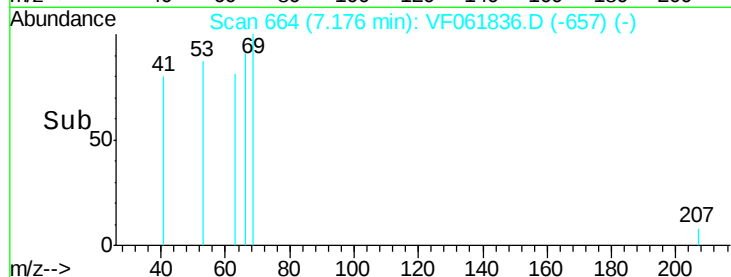
60

40

20

0

Time--> 7.14 7.16 7.18 7.20



#59

2-Hexanone

Concen: 28.104 ug/l

RT: 9.51 min Scan# 901

Delta R.T. 0.01 min

Lab File: VF061836.D

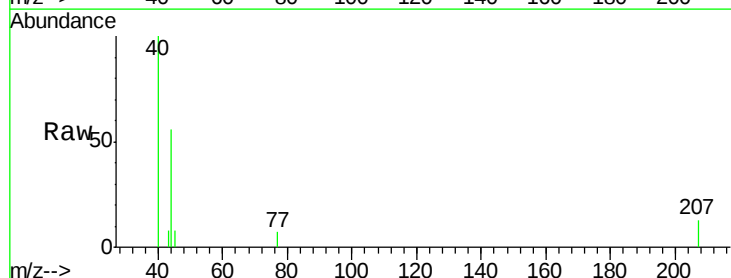
Acq: 4 Mar 2019 23:42

Tgt Ion: 43 Resp: 205

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

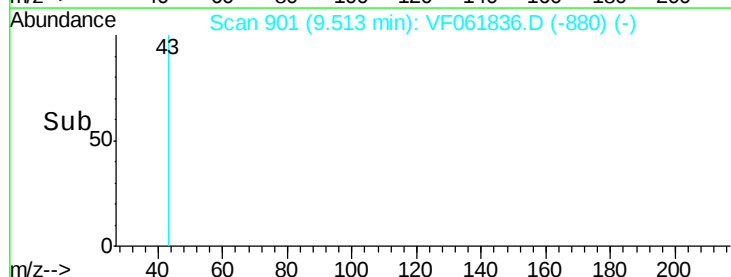
150

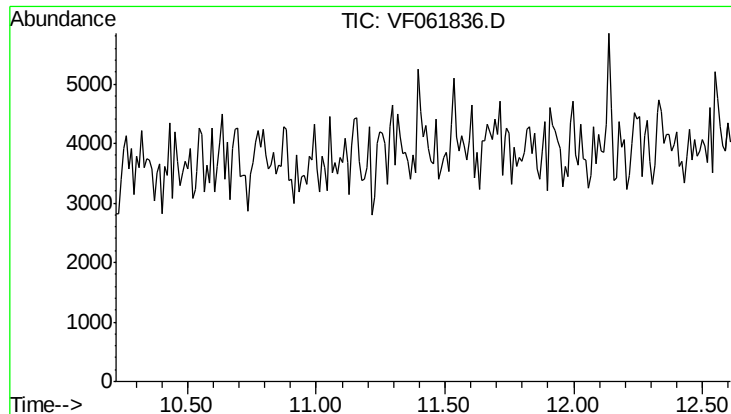
100

50

0

Time--> 9.48 9.50 9.52

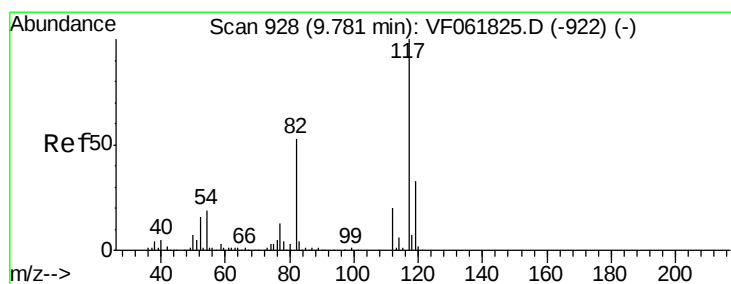
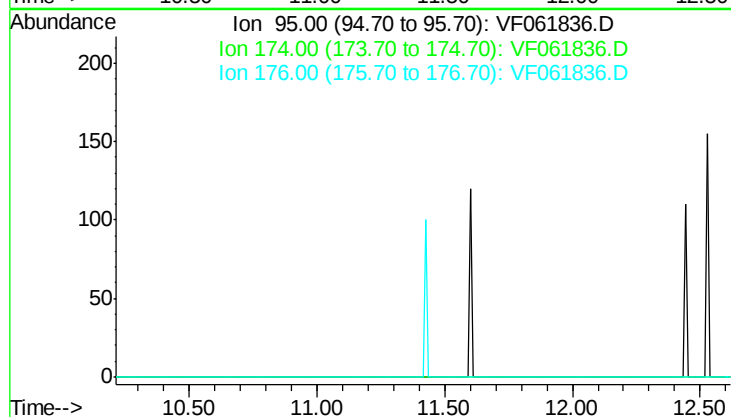




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.42 min
 Lab File: VF061836.D
 Acq: 4 Mar 2019 23:42

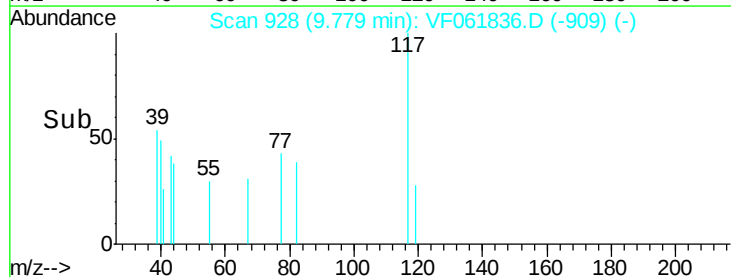
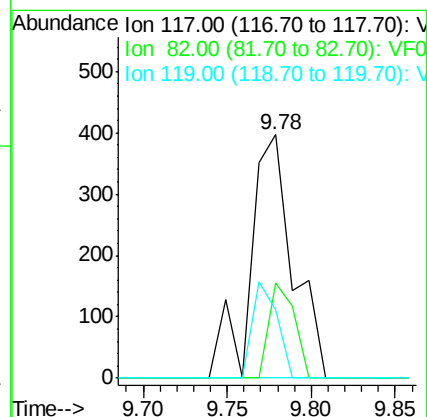
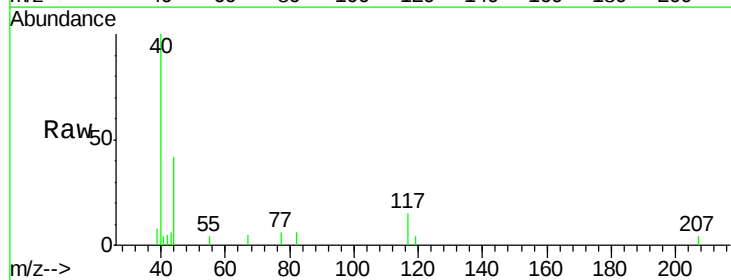
Instrument :
 MSVOA_F
 ClientSampleId :
 S12

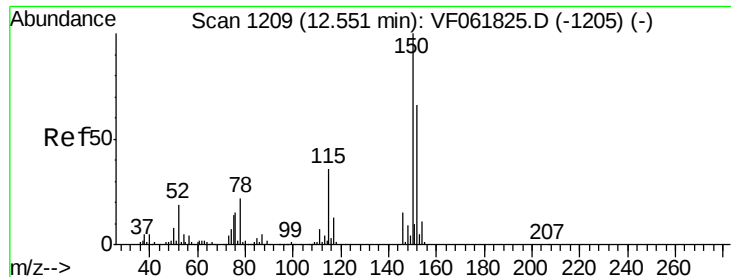
Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 82.9
 176 83.5



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.78 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VF061836.D
 Acq: 4 Mar 2019 23:42

Tgt Ion:117 Resp: 697
 Ion Ratio Lower Upper
 117 100
 82 39.0 39.3 58.9#
 119 28.0 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampled :

S12

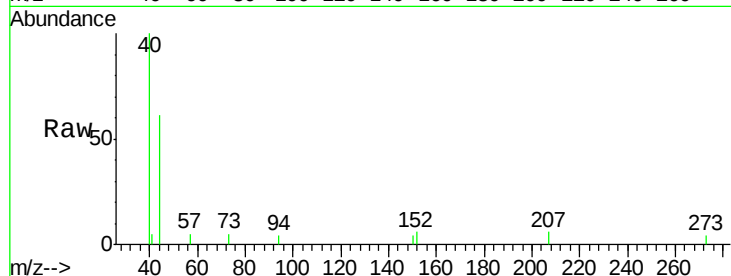
Tot Ion:152 Resp: 85

Ion Ratio Lower Upper

152 100

115 0.0 24.3 72.8#

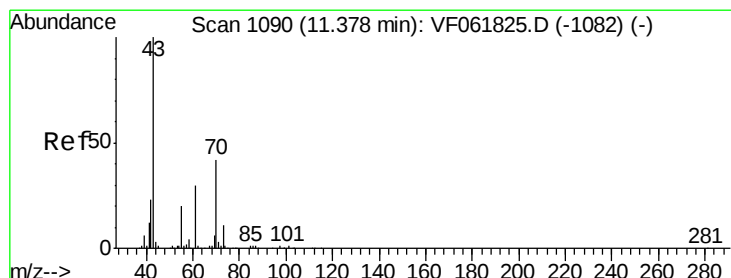
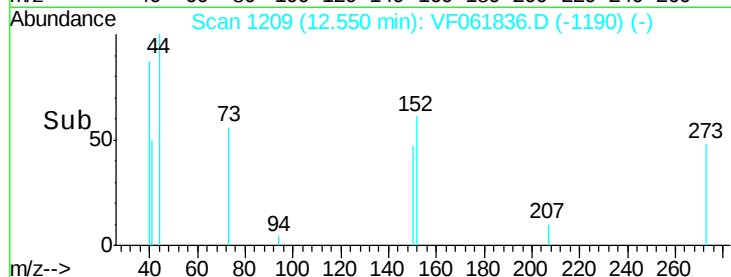
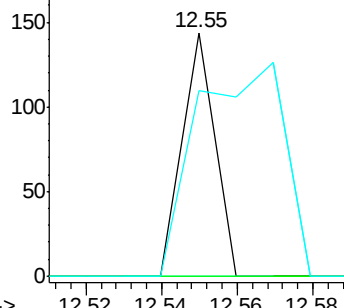
150 76.4 0.0 312.0



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



#74

N-ethyl acetate

Concen: 91.561 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.03 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Tgt Ion: 43 Resp: 133

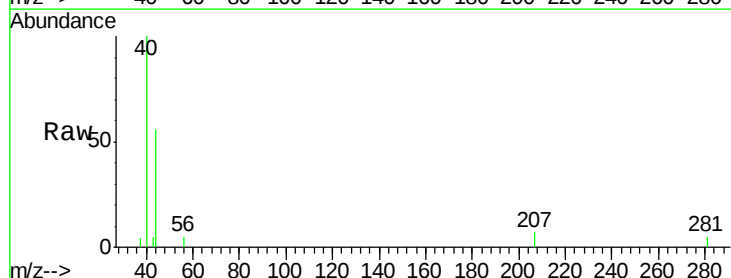
Ion Ratio Lower Upper

43 100

70 0.0 31.5 47.3#

55 0.0 16.7 25.1#

61 0.0 23.0 34.6#

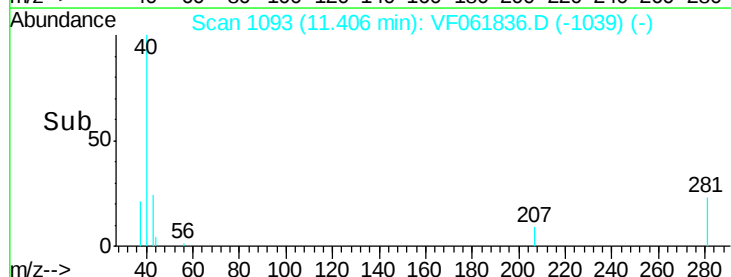
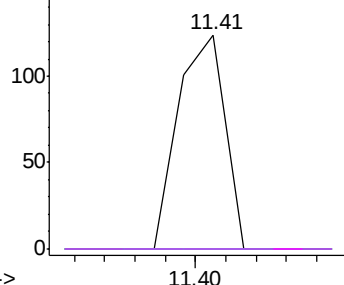


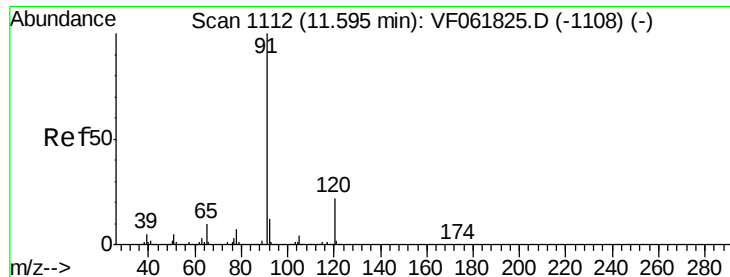
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#78

n-propylbenzene

Concen: 8.784 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.14 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampleId :

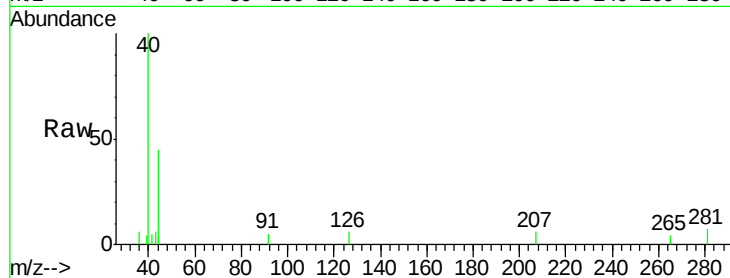
S12

Tot Ion: 91 Resp: 61

Ion Ratio Lower Upper

91 100

120 0.0 12.1 36.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.47

100

80

60

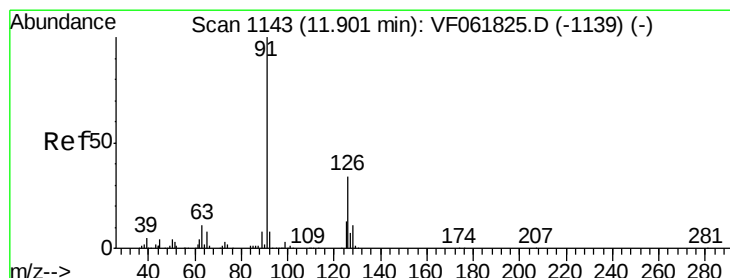
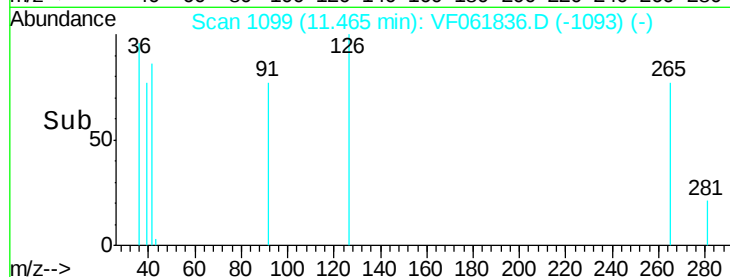
40

20

0

11.44 11.46 11.48

Time-->



#82

4-Chlorotoluene

Concen: 14.615 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.07 min

Lab File: VF061836.D

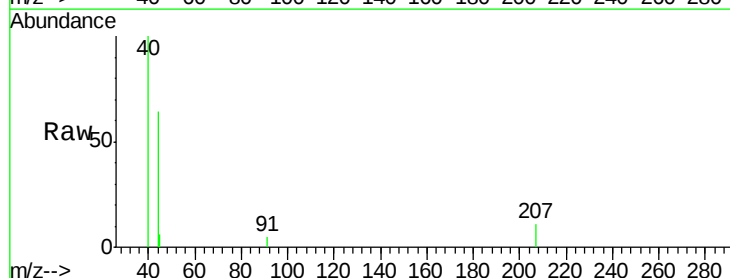
Acq: 4 Mar 2019 23:42

Tgt Ion: 91 Resp: 59

Ion Ratio Lower Upper

91 100

126 0.0 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.98

100

80

60

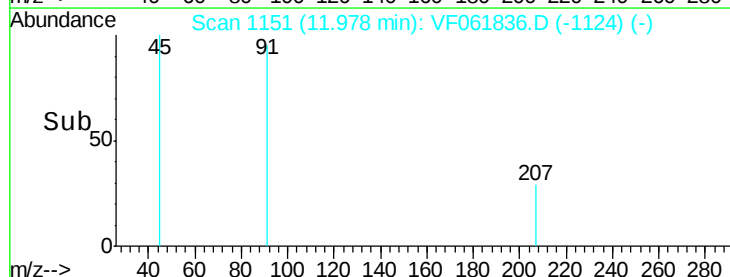
40

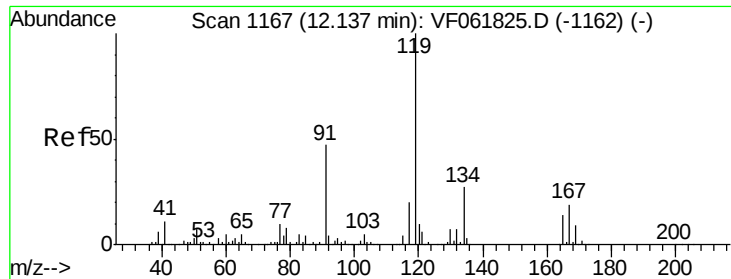
20

0

11.94 11.96 11.98 12.00

Time-->

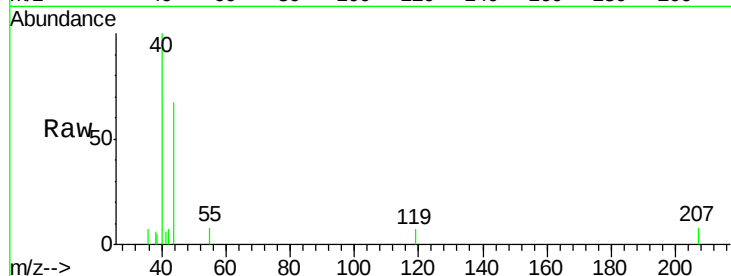




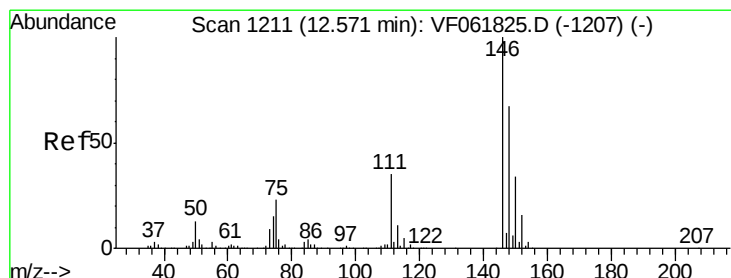
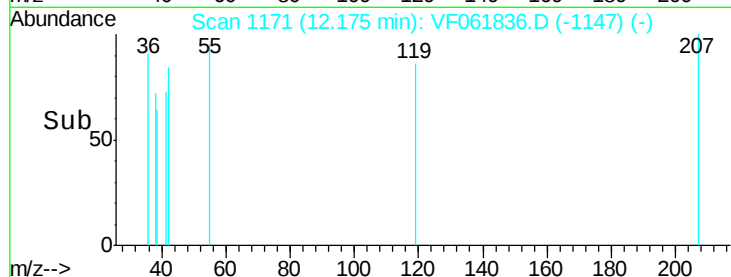
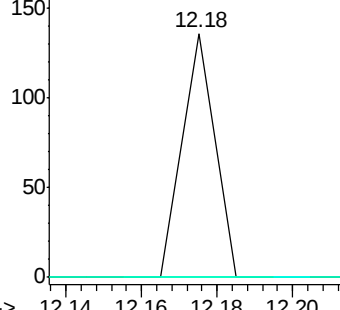
#83
tert-Butylbenzene
Concen: 14.933 ug/l
RT: 12.18 min Scan# 1171
Delta R.T. 0.04 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Instrument :
MSVOA_F
ClientSampleId :
S12

Tot Ion:119 Resp: 80
Ion Ratio Lower Upper
119 100
91 0.0 26.3 78.8#
134 0.0 12.9 38.7#

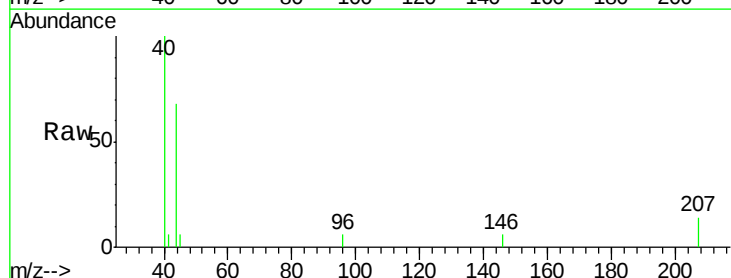


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

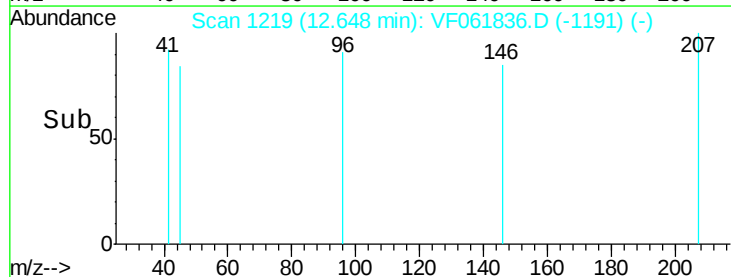
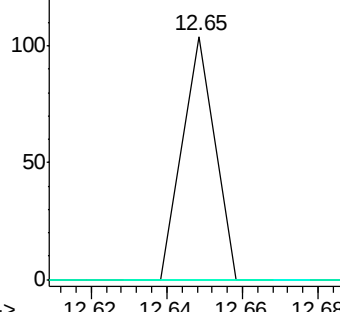


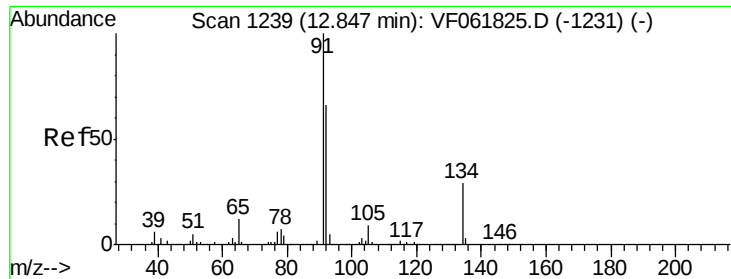
#88
1,4-Dichlorobenzene
Concen: 22.118 ug/l
RT: 12.65 min Scan# 1219
Delta R.T. 0.08 min
Lab File: VF061836.D
Acq: 4 Mar 2019 23:42

Tgt Ion:146 Resp: 62
Ion Ratio Lower Upper
146 100
111 0.0 18.4 55.4#
148 0.0 32.2 96.6#



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 12.932 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. 0.07 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

Instrument :

MSVOA_F

ClientSampleId :

S12

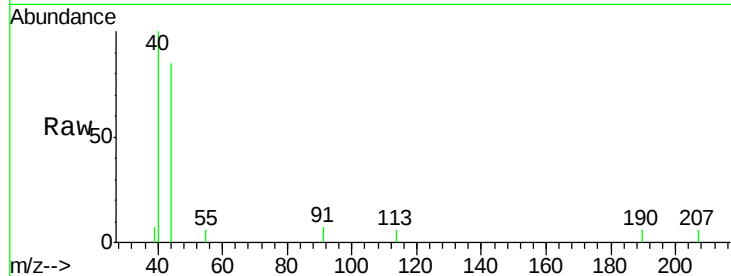
Tot Ion: 91 Resp: 71

Ion Ratio Lower Upper

91 100

92 0.0 31.4 94.3#

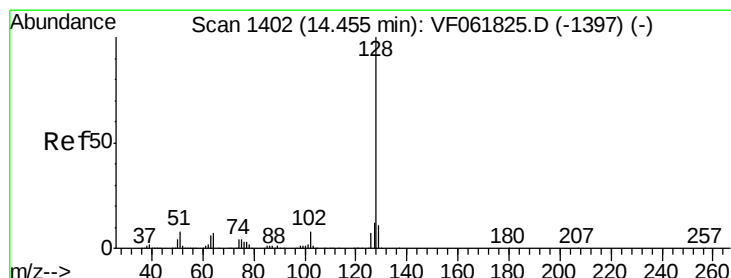
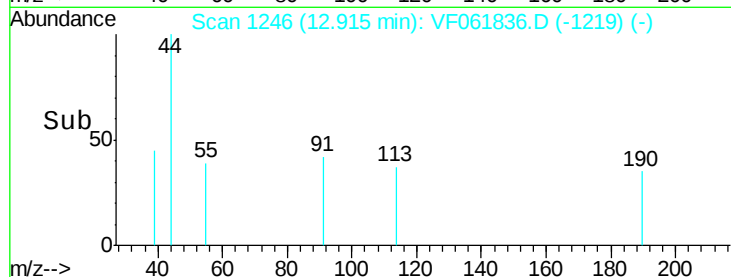
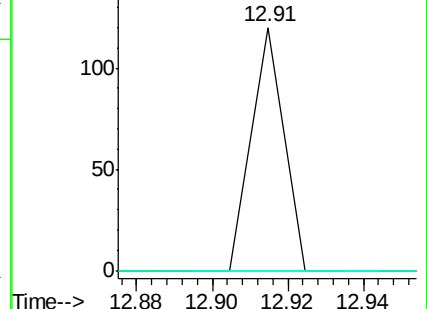
134 0.0 12.3 36.9#



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: 18.120 ug/l

RT: 14.38 min Scan# 1395

Delta R.T. -0.08 min

Lab File: VF061836.D

Acq: 4 Mar 2019 23:42

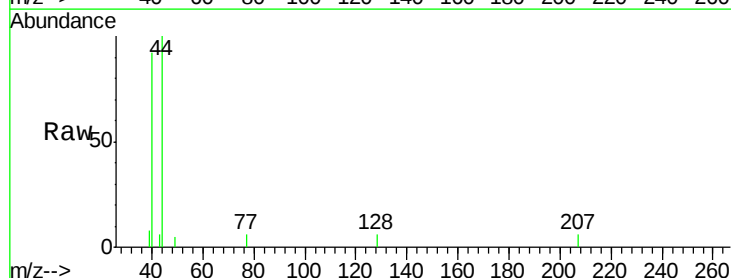
Tgt Ion: 128 Resp: 63

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

