

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061601.D
 Acq On : 11 Feb 2019 22:27
 Operator : VA/AP
 Sample : K1458-11RE
 Misc : 5.04g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-7RE

Quant Time: Feb 12 03:29:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	2843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	3723	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	1802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	152	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	1100	31.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	62.68%	
35) Dibromofluoromethane	4.10	113	1438	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	7.53	98	3382	42.02	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	84.04%	
62) 4-Bromofluorobenzene	11.40	95	699	18.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.18%	

Target Compounds						Qvalue
3) Chloromethane	1.11	50	172	4.199	ug/l #	44
4) Vinyl Chloride	1.16	62	144	3.952	ug/l #	43
5) Bromomethane	1.32	94	222	9.344	ug/l #	2
6) Chloroethane	1.35	64	69	4.274	ug/l #	41
8) Diethyl Ether	1.77	74	67	7.382	ug/l	70
10) Methyl Iodide	1.77	142	83	1.573	ug/l #	27
11) Tert butyl alcohol	2.50	59	72	48.461	ug/l #	64
12) 1,1-Dichloroethene	1.76	96	69	2.729	ug/l #	1
13) Acrolein	2.09	56	324	253.047	ug/l	84
14) Allyl chloride	2.06	41	1173	43.994	ug/l #	60
15) Acrylonitrile	2.94	53	69	18.131	ug/l #	14
16) Acetone	2.20	43	370	52.545	ug/l #	46
18) Methyl Acetate	2.41	43	620	44.398	ug/l	98
19) Methyl tert-butyl Ether	2.39	73	97	1.711	ug/l #	1
20) Methylene Chloride	2.15	84	98	2.428	ug/l #	10
21) trans-1,2-Dichloroethene	2.34	96	87	3.127	ug/l #	1
22) Diisopropyl ether	2.78	45	340	3.779	ug/l #	29
23) Vinyl Acetate	3.15	43	156	7.085	ug/l #	78
24) 1,1-Dichloroethane	2.83	63	63	1.116	ug/l #	85
25) 2-Butanone	4.35	43	119	10.162	ug/l #	57
26) 2,2-Dichloropropane	3.61	77	60	1.729	ug/l #	61
29) Tetrahydrofuran	4.07	42	179	35.501	ug/l #	38
31) Cyclohexane	3.52	56	73	1.294	ug/l #	13
36) 1,1-Dichloropropene	4.25	75	62	1.436	ug/l #	44
37) Ethyl Acetate	4.07	43	69	3.999	ug/l #	5
39) Methylcyclohexane	5.43	83	565	12.078	ug/l #	15
41) Methacrylonitrile	4.66	41	72	7.842	ug/l #	7
43) Isopropyl Acetate	6.89	43	170	7.850	ug/l #	51
44) Trichloroethene	5.36	130	65	2.206	ug/l	1
48) Methyl methacrylate	6.70	41	62	4.263	ug/l #	19
49) 1,4-Dioxane	6.59	88	60	560.571	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	319	20.037	ug/l #	39
56) Ethyl methacrylate	8.60	69	1432	68.524	ug/l #	69
57) 1,3-Dichloropropane	8.87	76	60	1.782	ug/l #	43

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

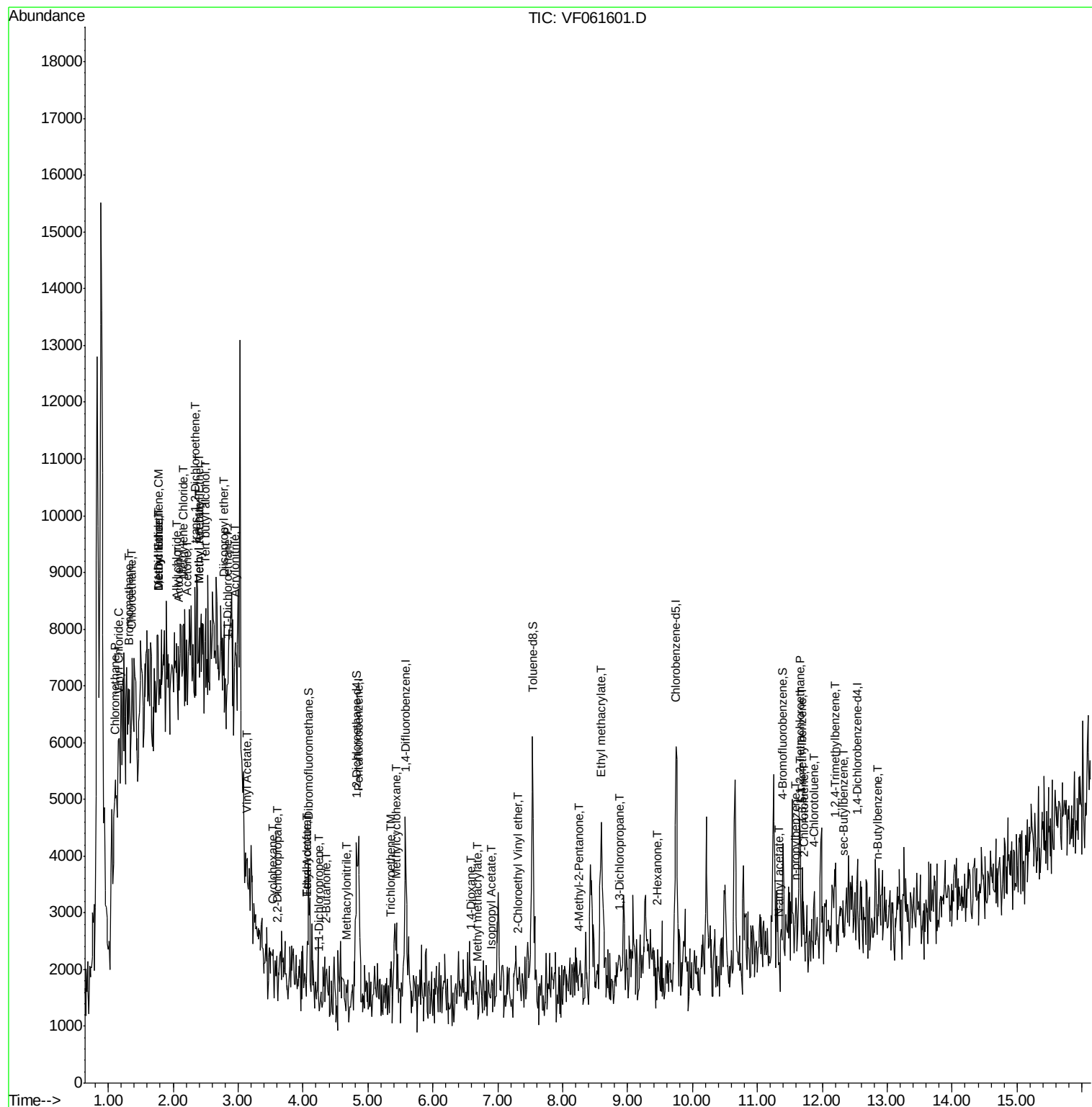
58) 2-Chloroethyl Vinyl ether	7.31	63	85	62.036	ug/l #	47
59) 2-Hexanone	9.46	43	267	24.050	ug/l #	26
74) N-amyl acetate	11.34	43	76	25.998	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	11.67	83	253	114.878	ug/l #	24
78) n-propylbenzene	11.57	91	90	5.567	ug/l #	54
79) 2-Chlorotoluene	11.72	91	69	8.044	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.69	105	321	32.175	ug/l #	28
82) 4-Chlorotoluene	11.89	91	63	7.279	ug/l #	43
84) 1,2,4-Trimethylbenzene	12.19	105	70	6.812	ug/l #	1
85) sec-Butylbenzene	12.31	105	62	4.421	ug/l #	56
89) n-Butylbenzene	12.86	91	68	5.728	ug/l #	27

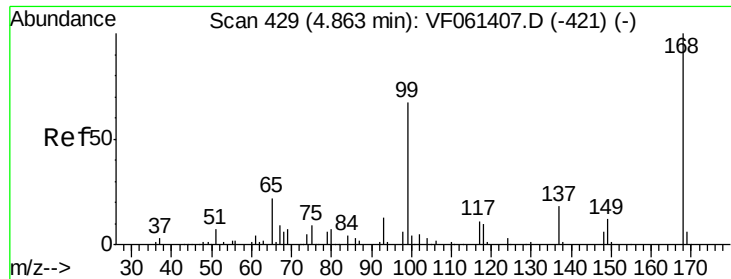
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

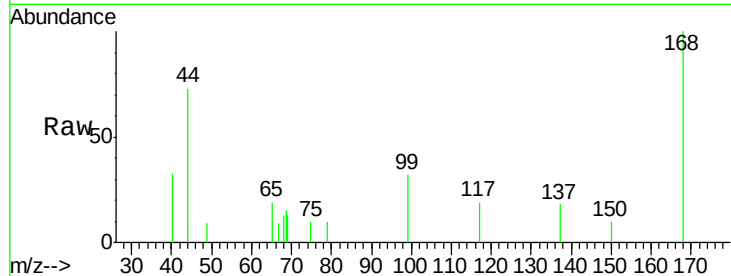
SB-7RE

Tot Ion:168 Resp: 2843

Ion Ratio Lower Upper

168 100

99 31.9 53.5 80.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

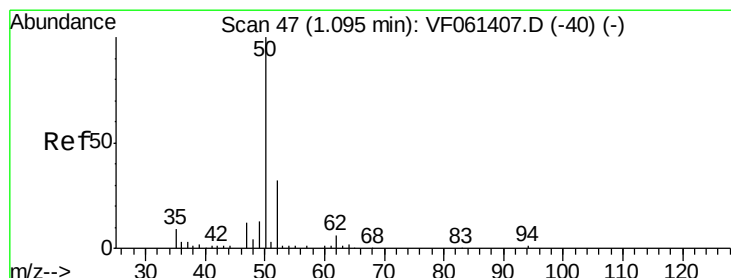
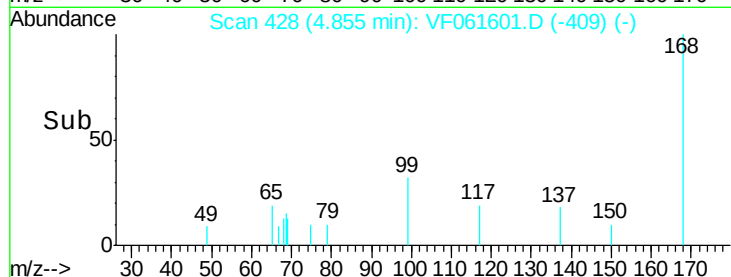
4.86

1000

500

0

Time-->



#3

Chloromethane

Concen: 4.199 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061601.D

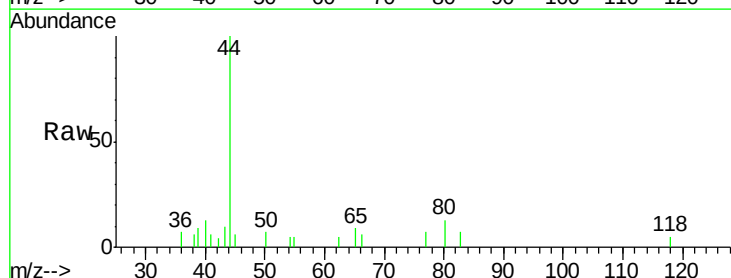
Acq: 11 Feb 2019 22:27

Tgt Ion: 50 Resp: 172

Ion Ratio Lower Upper

50 100

52 0.0 24.6 36.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.11

200

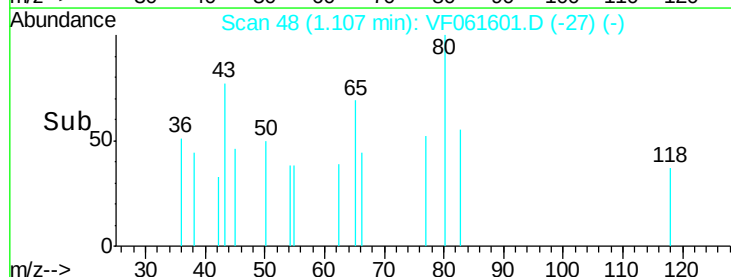
150

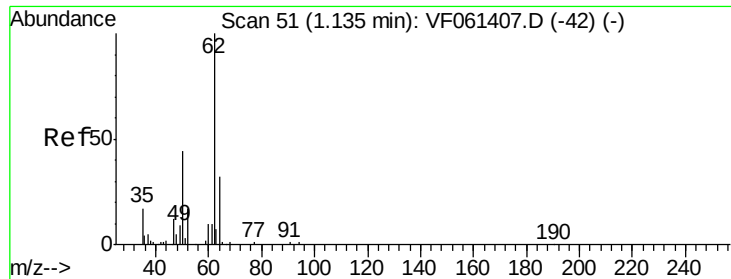
100

50

0

Time-->





#4

Vinyl Chloride

Concen: 3.952 ug/l

RT: 1.16 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

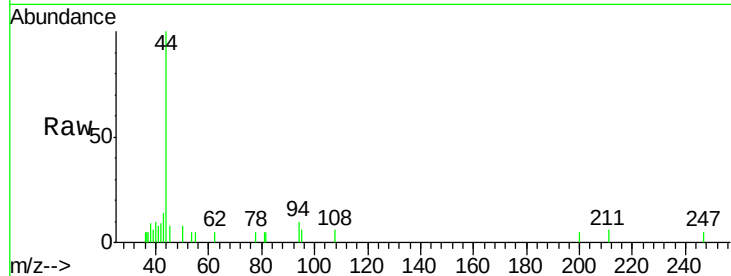
SB-7RE

Tot Ion: 62 Resp: 144

Ion Ratio Lower Upper

62 100

64 0.0 25.6 38.4#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.16

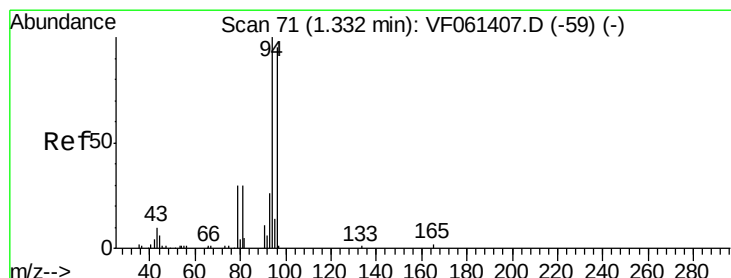
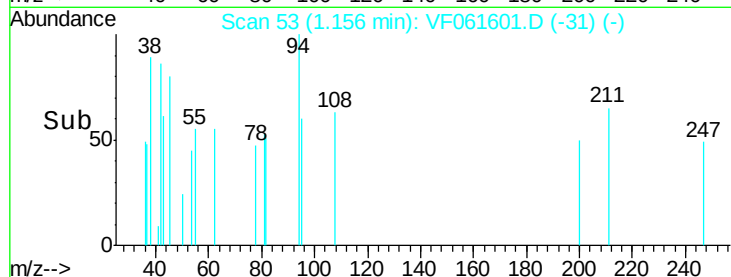
100

50

0

1.12 1.14 1.16 1.18 1.20

Time-->



#5

Bromomethane

Concen: 9.344 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061601.D

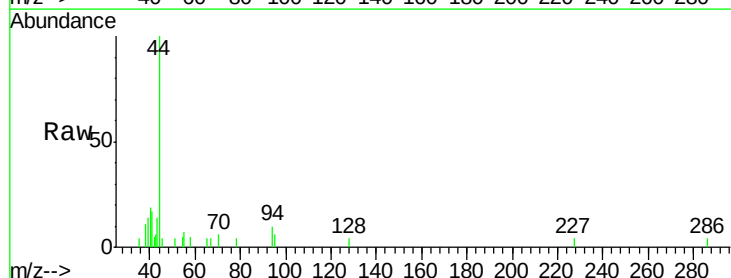
Acq: 11 Feb 2019 22:27

Tgt Ion: 94 Resp: 222

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

300

250

200

150

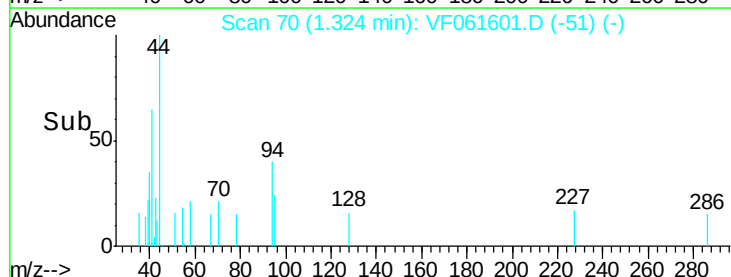
100

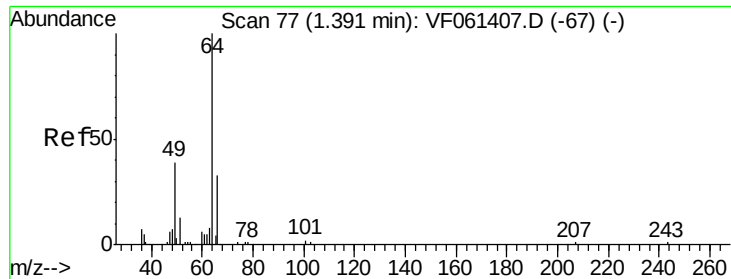
50

0

1.28 1.30 1.32 1.34 1.36

Time-->





#6

Chloroethane

Concen: 4.274 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.04 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampled :

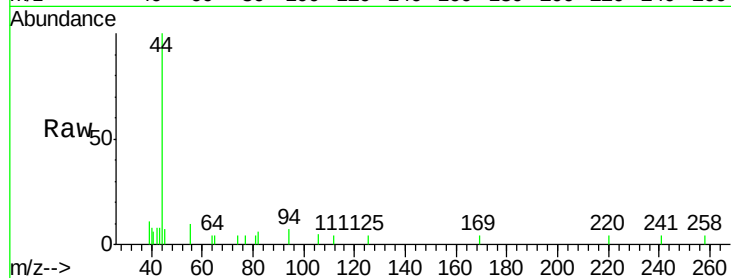
SB-7RE

Tot Ion: 64 Resp: 69

Ion Ratio Lower Upper

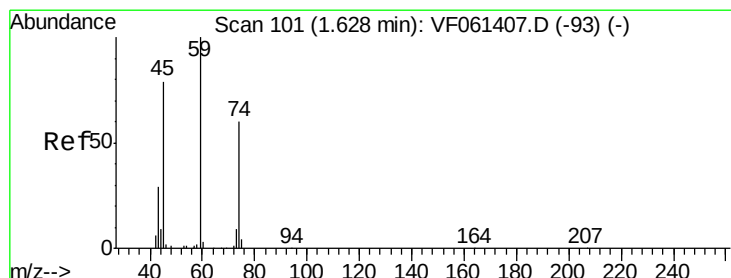
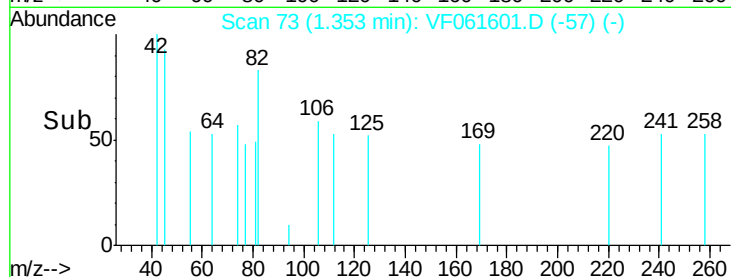
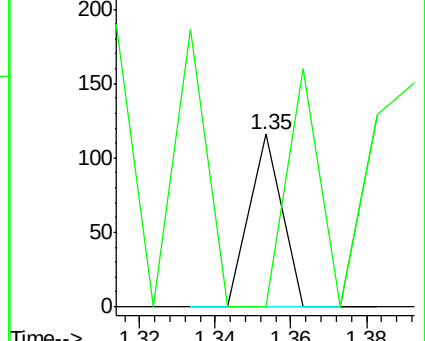
64 100

66 0.0 26.6 40.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#8

Diethyl Ether

Concen: 7.382 ug/l

RT: 1.77 min Scan# 115

Delta R.T. 0.14 min

Lab File: VF061601.D

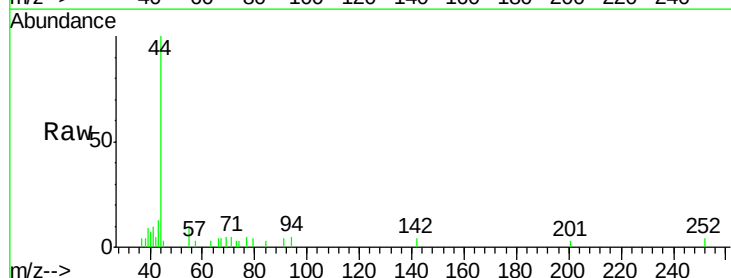
Acq: 11 Feb 2019 22:27

Tgt Ion: 74 Resp: 67

Ion Ratio Lower Upper

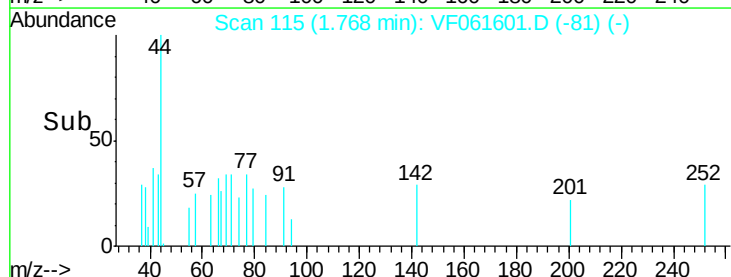
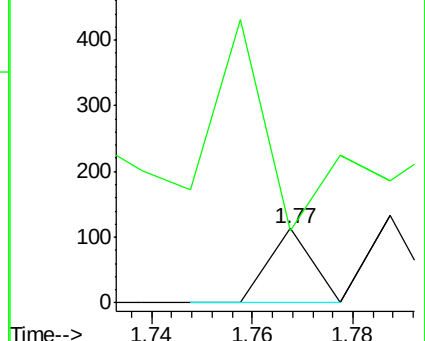
74 100

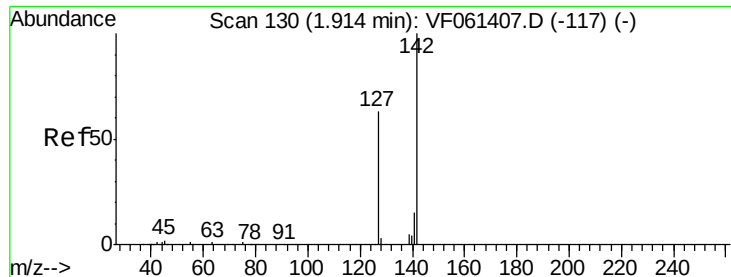
45 96.5 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#10

Methvl Iodide

Concen: 1.573 ug/l

RT: 1.77 min Scan# 115

Delta R.T. -0.15 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-7RE

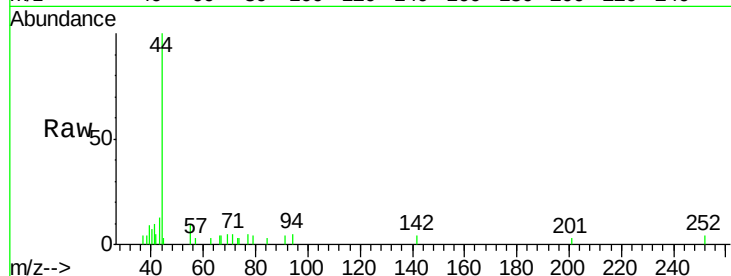
Tot Ion:142 Resp: 83

Ion Ratio Lower Upper

142 100

127 0.0 50.7 76.1#

141 0.0 11.8 17.6#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

1.77

150

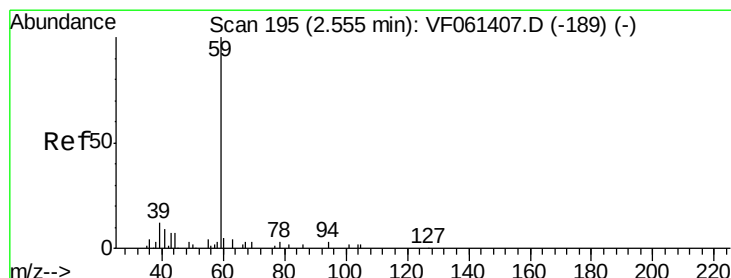
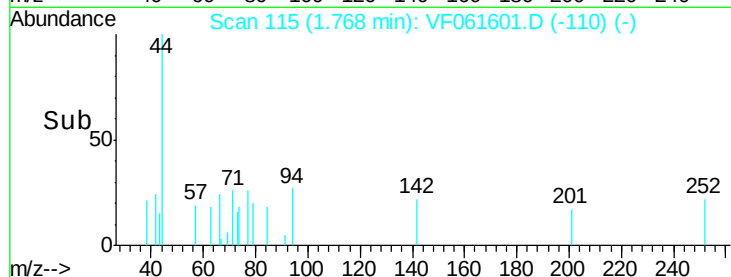
100

50

0

1.74 1.76 1.78 1.80

Time-->



#11

Tert butyl alcohol

Concen: 48.461 ug/l

RT: 2.50 min Scan# 189

Delta R.T. -0.06 min

Lab File: VF061601.D

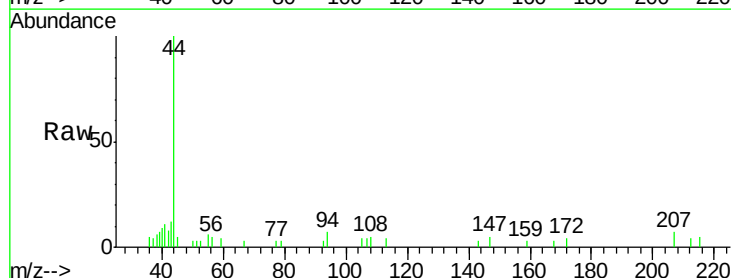
Acq: 11 Feb 2019 22:27

Tgt Ion: 59 Resp: 72

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

150

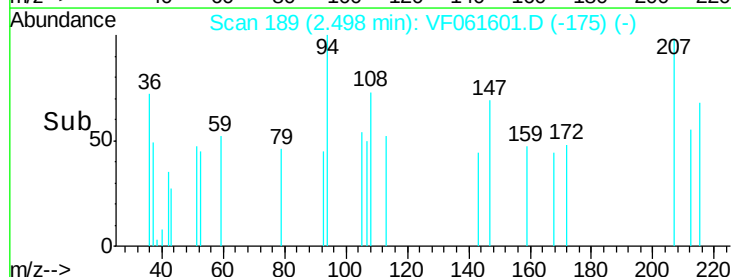
100

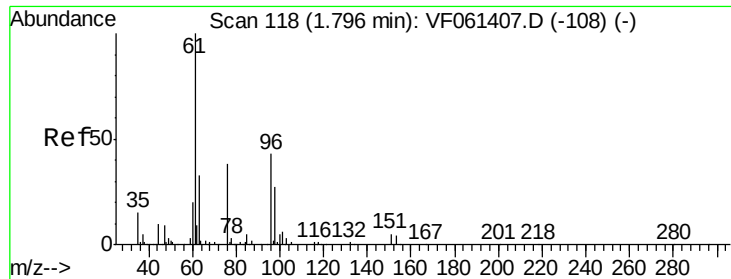
50

0

2.46 2.48 2.50 2.52

Time-->





#12

1,1-Dichloroethene

Concen: 2.729 ug/l

RT: 1.76 min Scan# 114

Delta R.T. -0.04 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-7RE

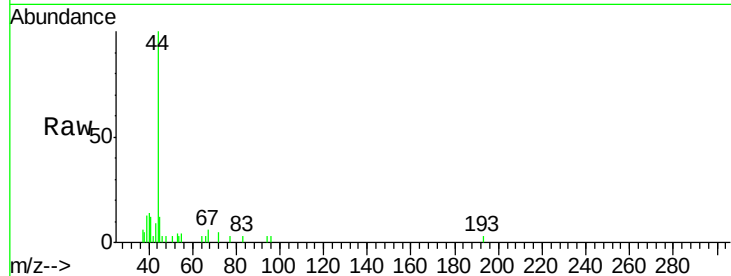
Tot Ion: 96 Resp: 69

Ion Ratio Lower Upper

96 100

61 0.0 186.9 280.3#

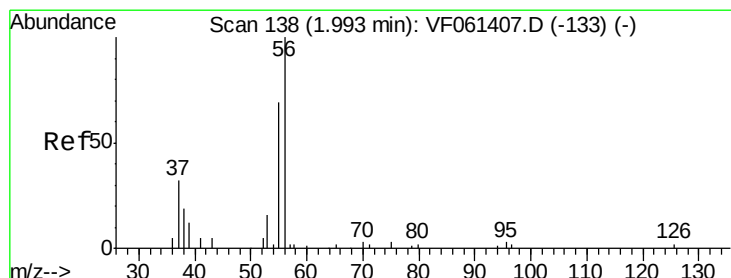
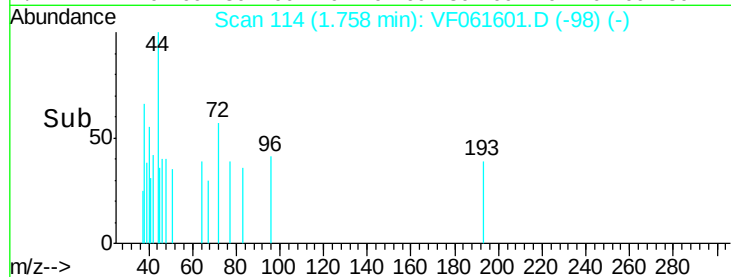
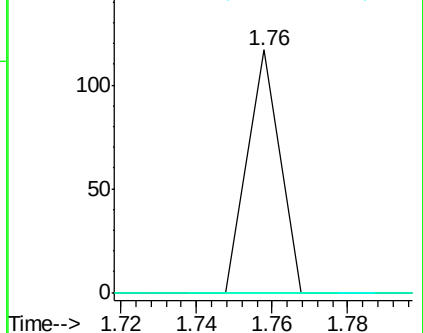
98 0.0 53.0 79.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 253.047 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.10 min

Lab File: VF061601.D

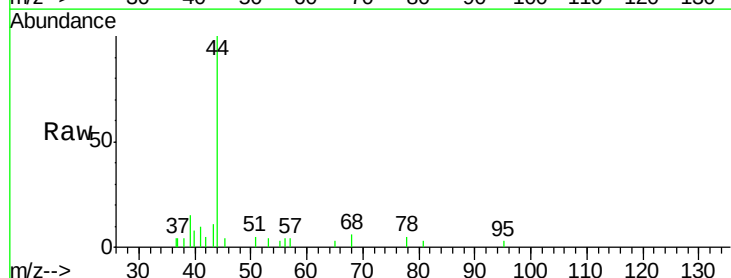
Acq: 11 Feb 2019 22:27

Tgt Ion: 56 Resp: 324

Ion Ratio Lower Upper

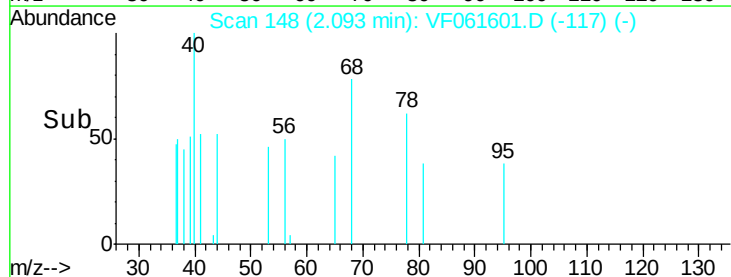
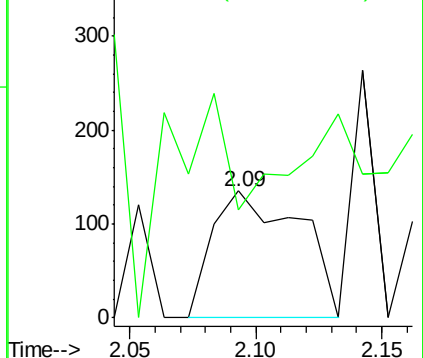
56 100

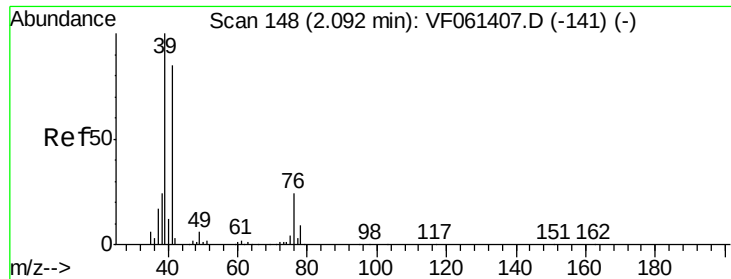
55 85.2 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

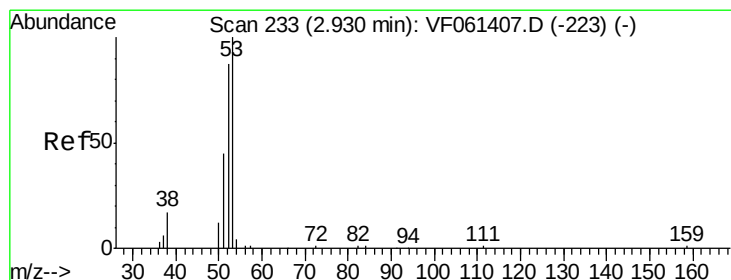
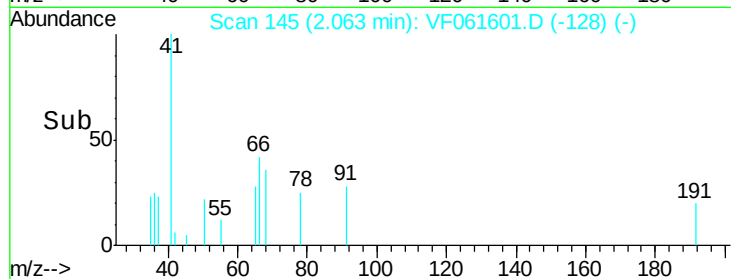
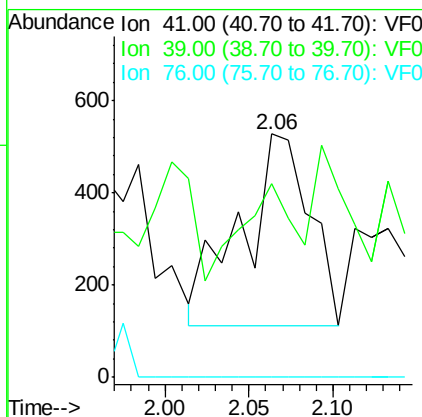
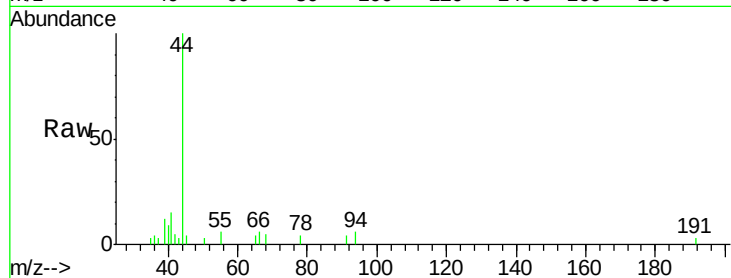




#14
Allvl chloride
Concen: 43.994 ug/l
RT: 2.06 min Scan# 145
Delta R.T. -0.03 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

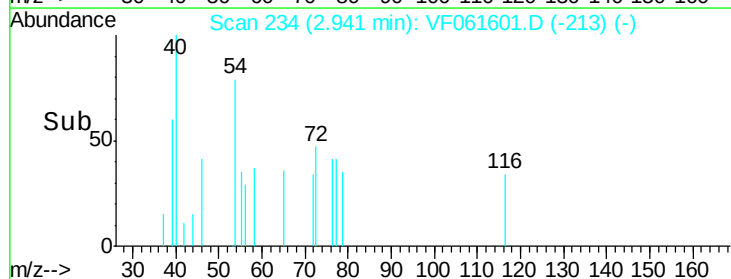
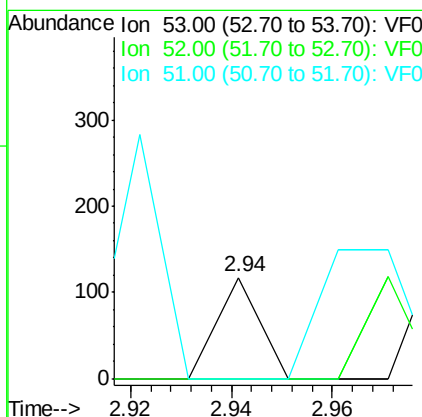
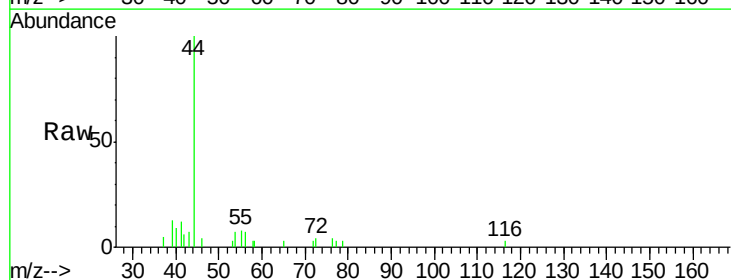
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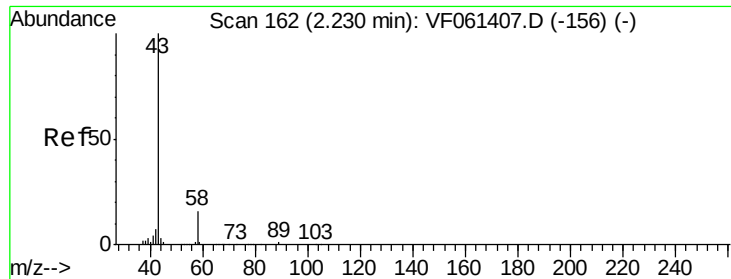
Tot Ion: 41 Resp: 1173
Ion Ratio Lower Upper
41 100
39 79.5 94.6 141.8#
76 0.0 25.9 38.9#



#15
Acrylonitrile
Concen: 18.131 ug/l
RT: 2.94 min Scan# 234
Delta R.T. 0.01 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

Tgt Ion: 53 Resp: 69
Ion Ratio Lower Upper
53 100
52 0.0 69.6 104.4#
51 0.0 36.8 55.2#

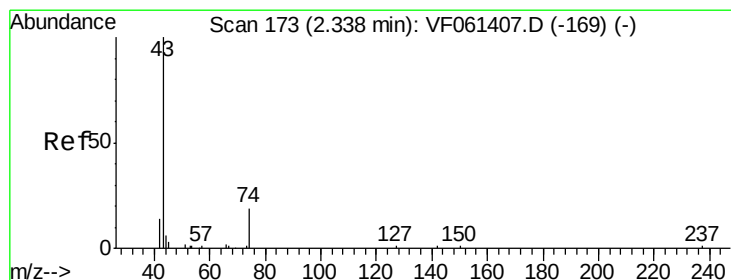
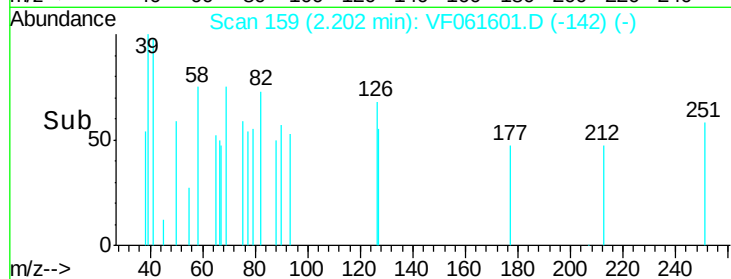
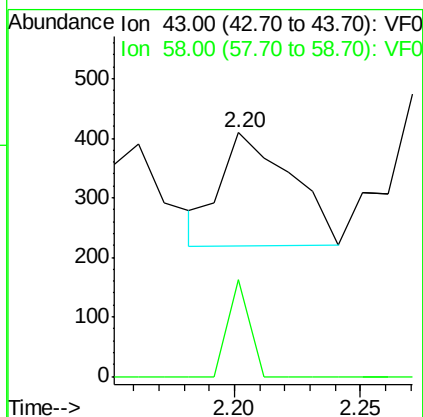
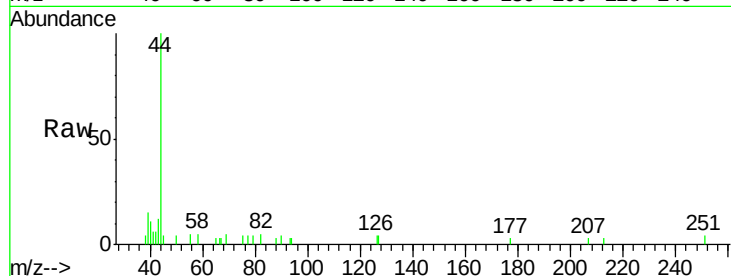




#16
Acetone
Concen: 52.545 ug/l
RT: 2.20 min Scan# 159
Delta R.T. -0.03 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

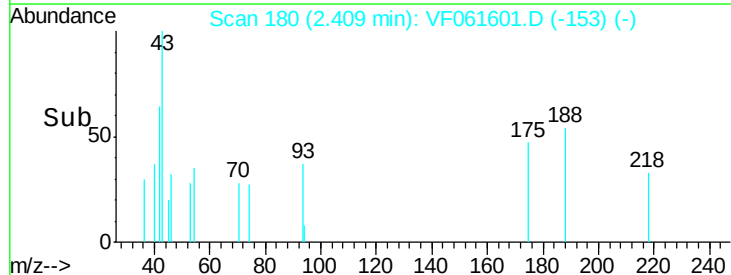
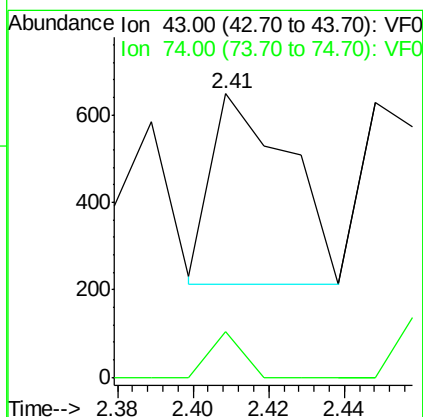
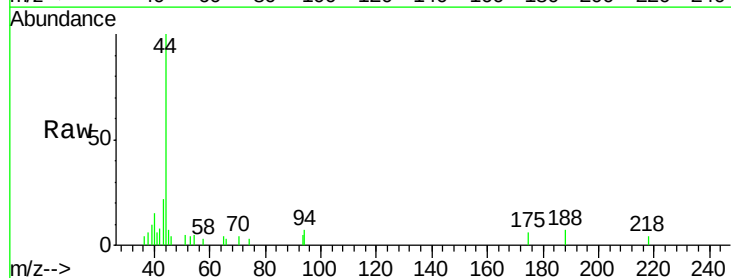
Instrument :
MSVOA_F
ClientSampleId :
SB-7RE

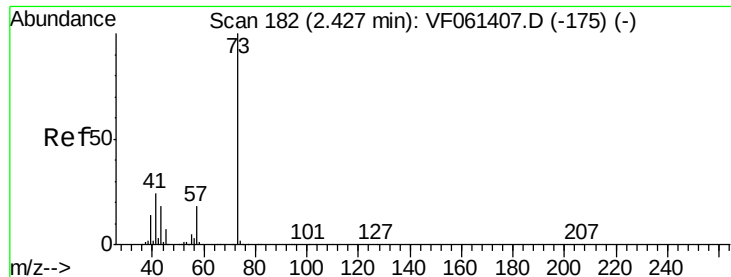
Tot Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
58 39.6 13.3 19.9#



#18
Methyl Acetate
Concen: 44.398 ug/l
RT: 2.41 min Scan# 180
Delta R.T. 0.07 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
74 15.9 13.4 20.0



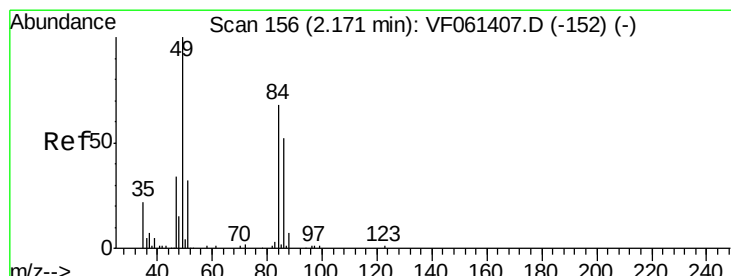
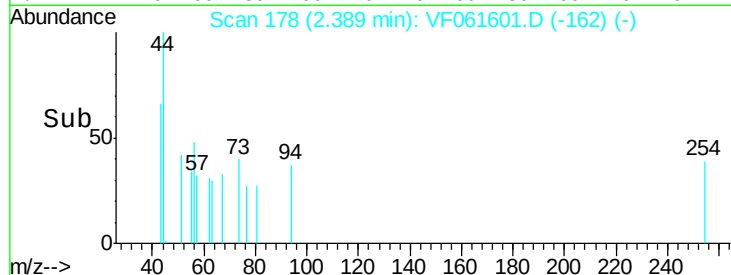
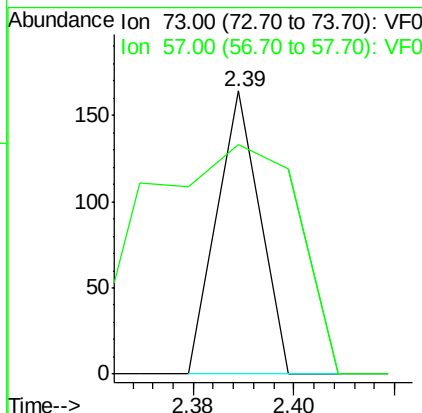
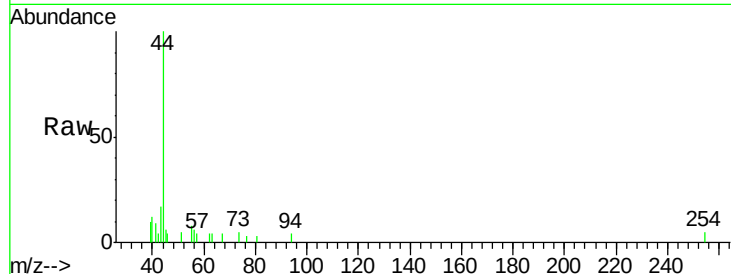


#19

Methyl tert-butyl Ether
 Concen: 1.711 ug/l
 RT: 2.39 min Scan# 178
 Delta R.T. -0.04 min
 Lab File: VF061601.D
 Acq: 11 Feb 2019 22:27

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-7RE

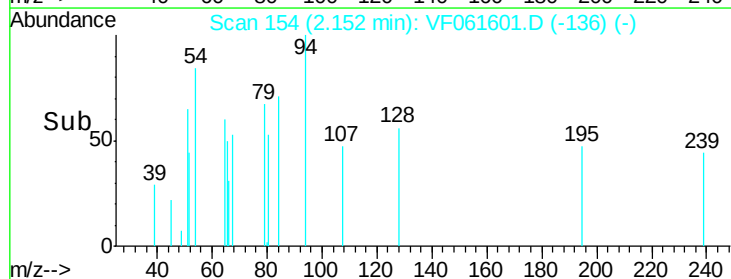
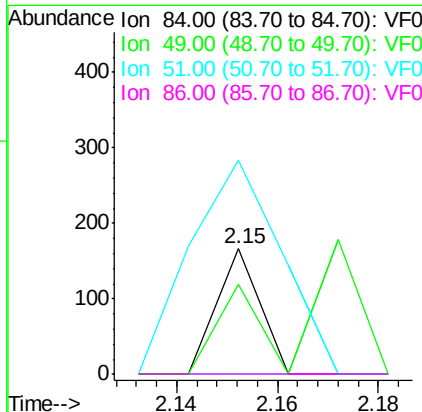
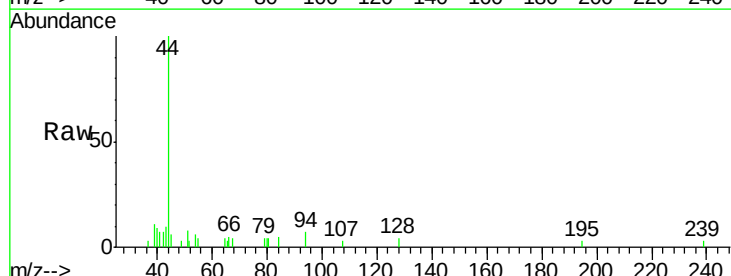
Tot Ion: 73 Resp: 97
 Ion Ratio Lower Upper
 73 100
 57 81.1 14.8 22.2#

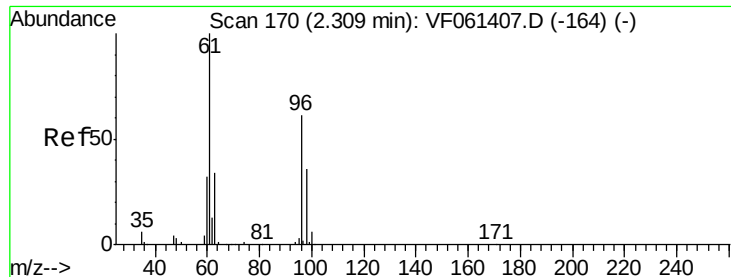


#20

Methylene Chloride
 Concen: 2.428 ug/l
 RT: 2.15 min Scan# 154
 Delta R.T. -0.02 min
 Lab File: VF061601.D
 Acq: 11 Feb 2019 22:27

Tgt Ion: 84 Resp: 98
 Ion Ratio Lower Upper
 84 100
 49 72.3 120.0 180.0#
 51 170.5 38.6 58.0#
 86 0.0 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 3.127 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.03 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampled :

SB-7RE

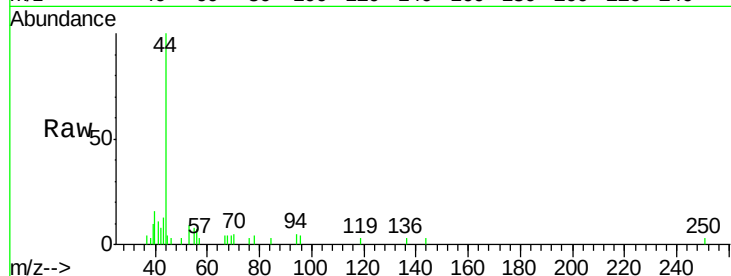
Tot Ion: 96 Resp: 87

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

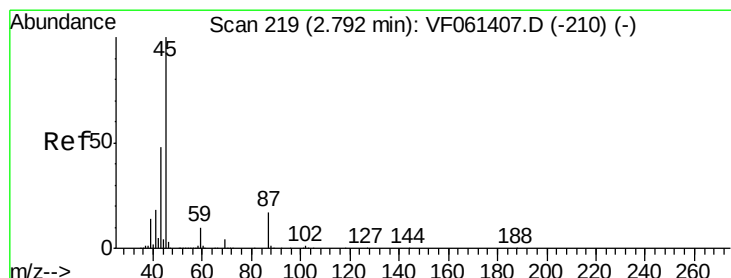
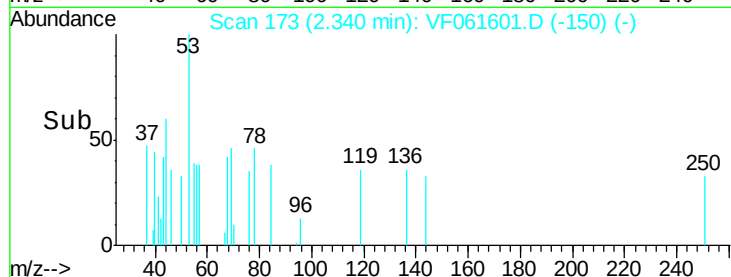
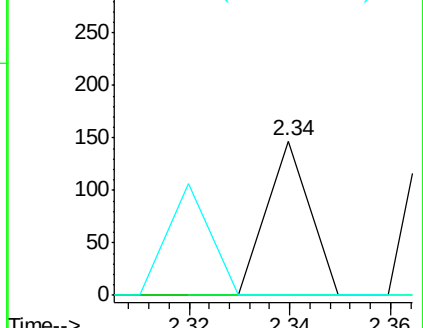
98 0.0 47.4 71.0#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 3.779 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Tgt Ion: 45 Resp: 340

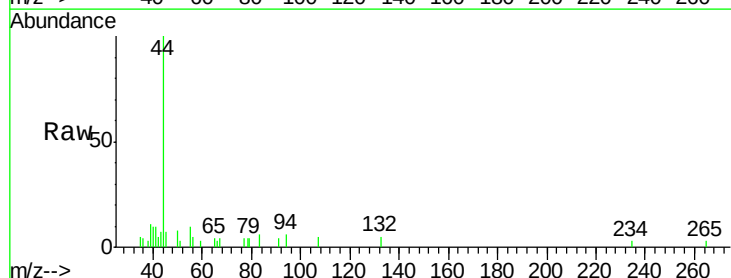
Ion Ratio Lower Upper

45 100

43 102.1 39.0 58.6#

87 0.0 13.9 20.9#

59 43.0 7.8 11.6#

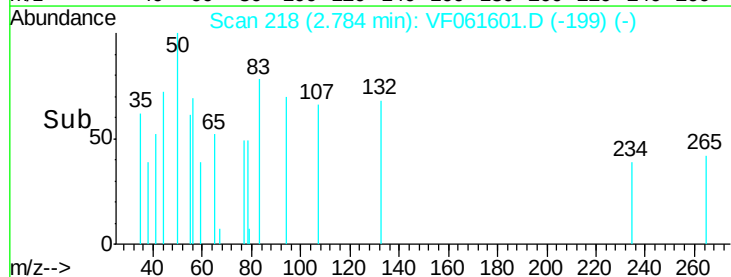
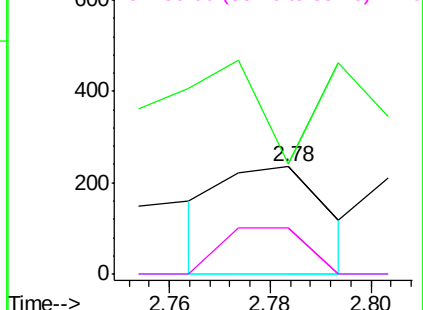


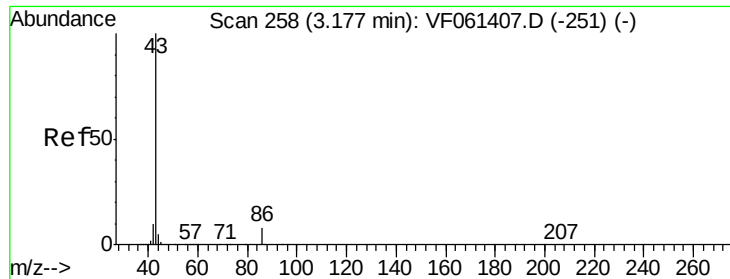
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 7.085 ug/l

RT: 3.15 min Scan# 255

Delta R.T. -0.03 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

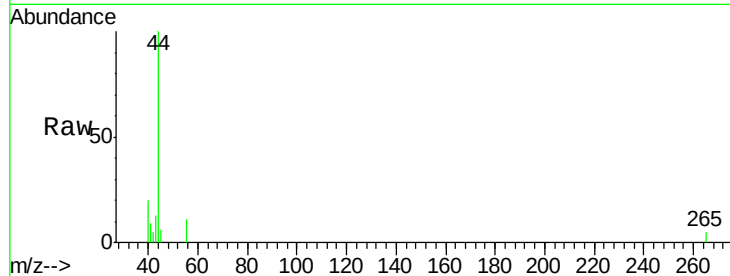
SB-7RE

Tot Ion: 43 Resp: 156

Ion Ratio Lower Upper

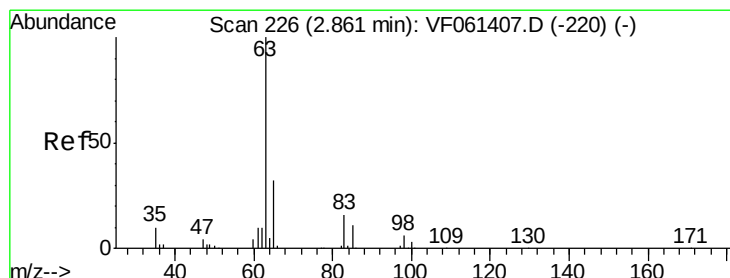
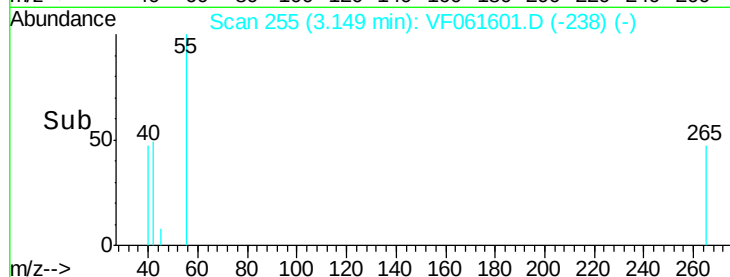
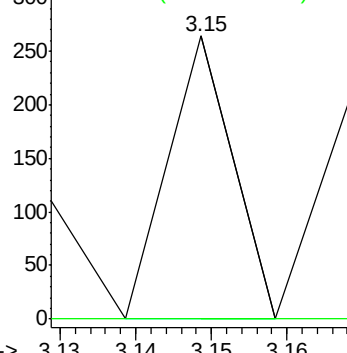
43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 1.116 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.03 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

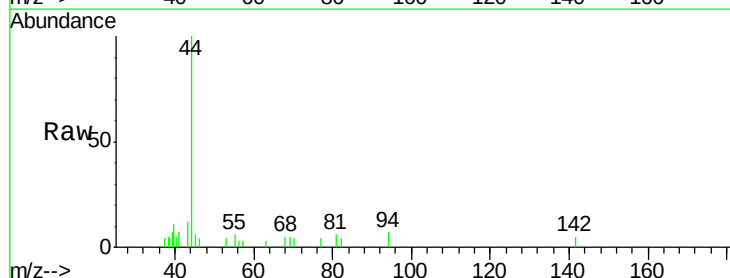
Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

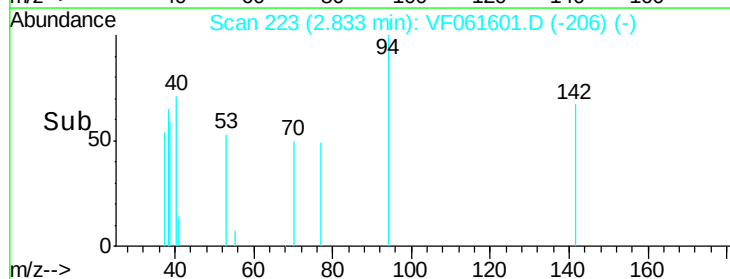
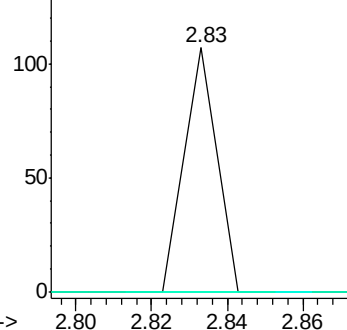
100 0.0 1.6 4.8#

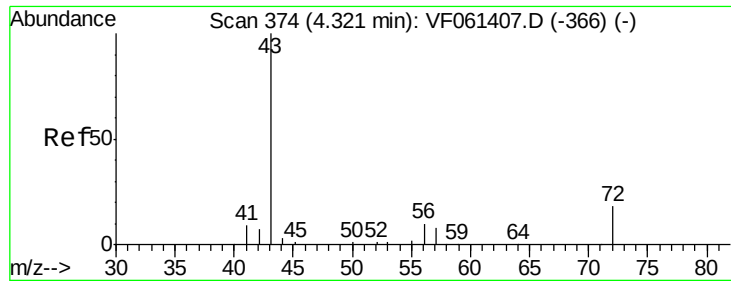


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 10.162 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.03 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

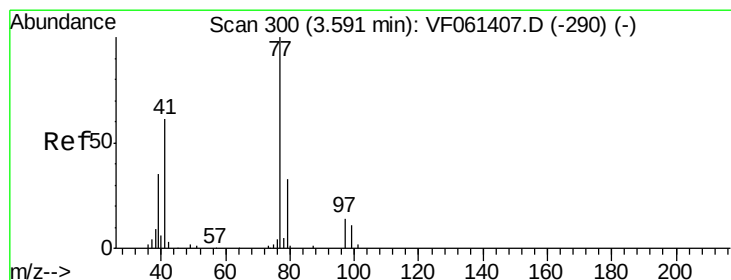
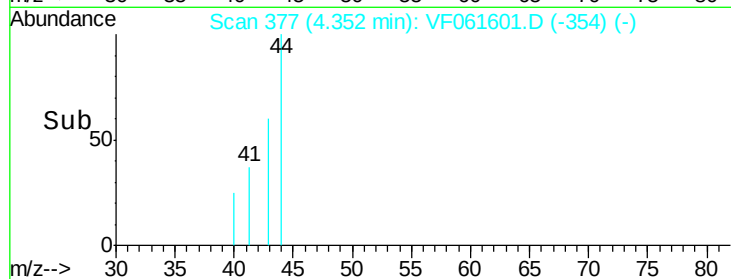
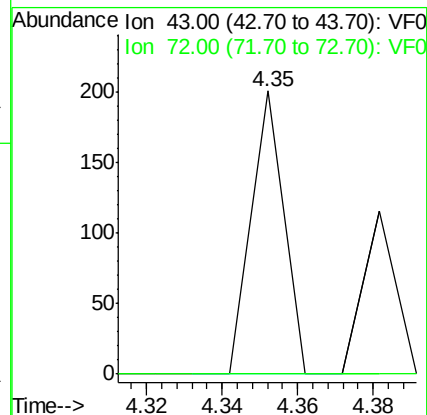
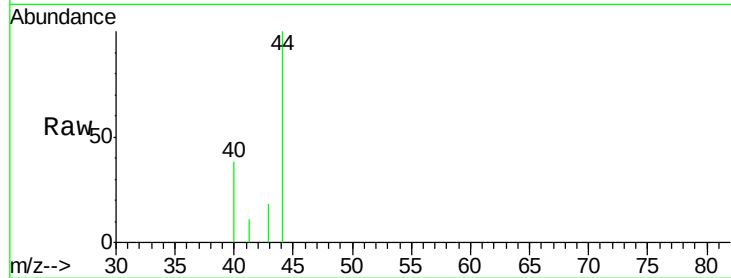
SB-7RE

Tot Ion: 43 Resp: 119

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#26

2,2-Dichloropropane

Concen: 1.729 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.02 min

Lab File: VF061601.D

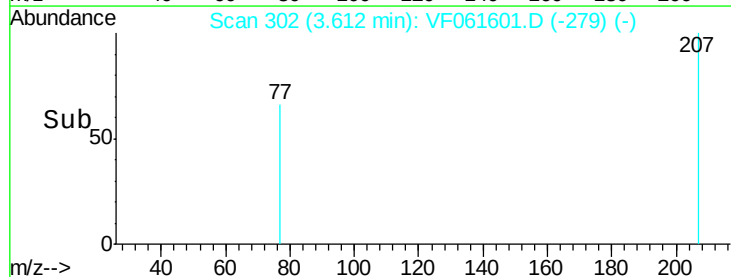
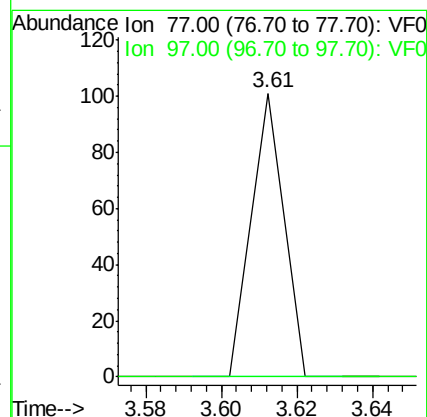
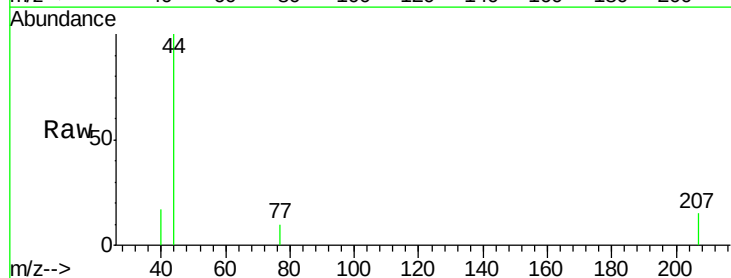
Acq: 11 Feb 2019 22:27

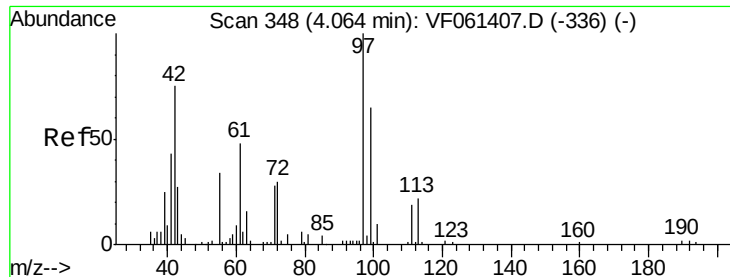
Tgt Ion: 77 Resp: 60

Ion Ratio Lower Upper

77 100

97 0.0 8.5 25.5#





#29

Tetrahydrofuran

Concen: 35.501 ug/l

RT: 4.07 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-7RE

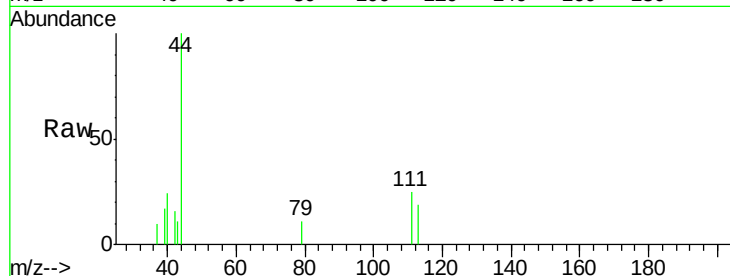
Tot Ion: 42 Resp: 179

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

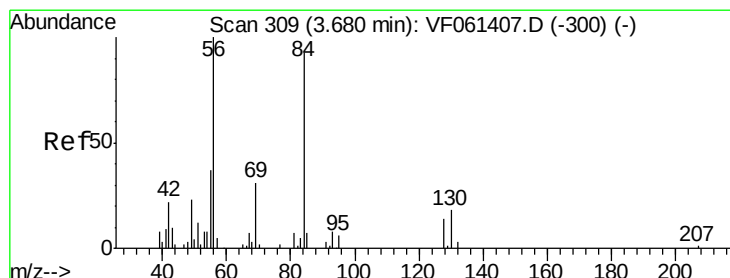
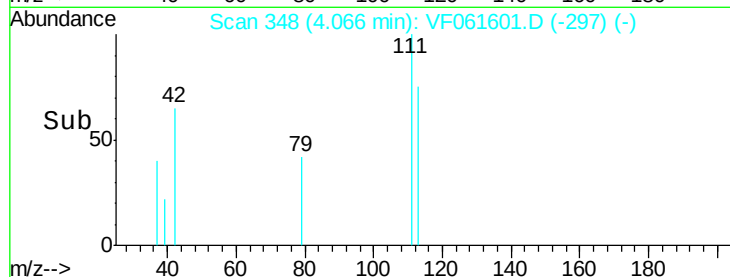
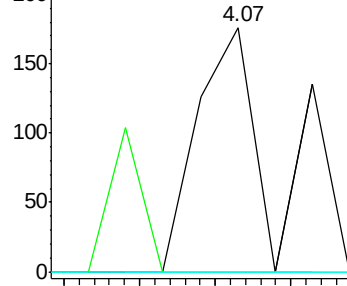
71 0.0 29.6 44.4#



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: 1.294 ug/l

RT: 3.52 min Scan# 293

Delta R.T. -0.16 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

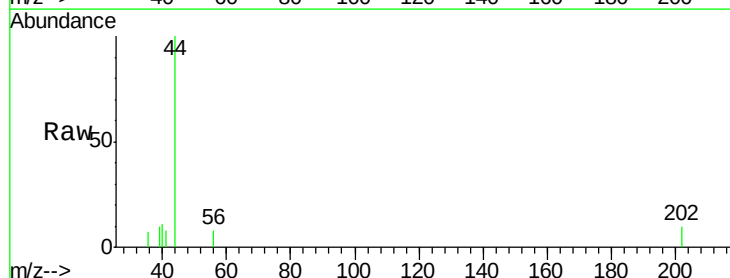
Tgt Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

69 0.0 24.6 36.8#

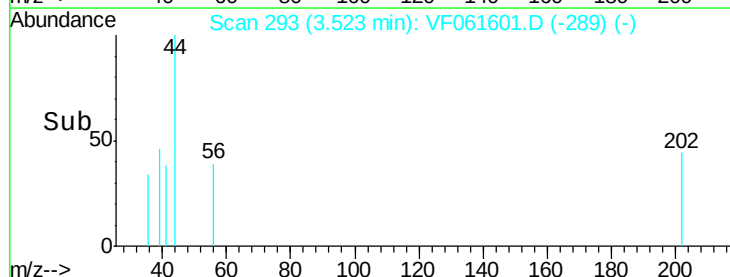
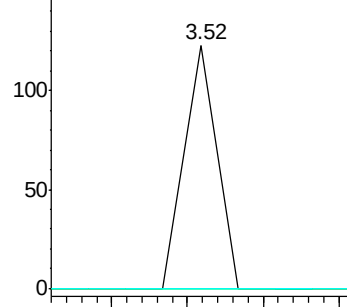
84 0.0 74.2 111.2#

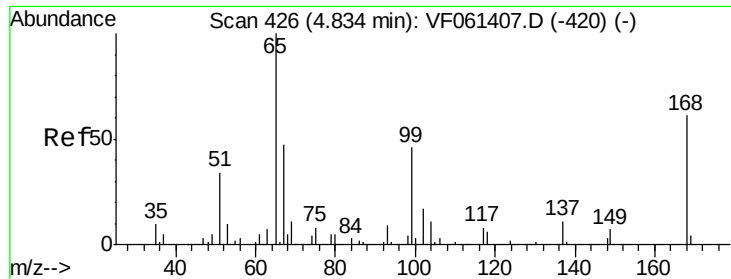


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 31.339 ug/l

RT: 4.82 min Scan# 424

Delta R.T. -0.02 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

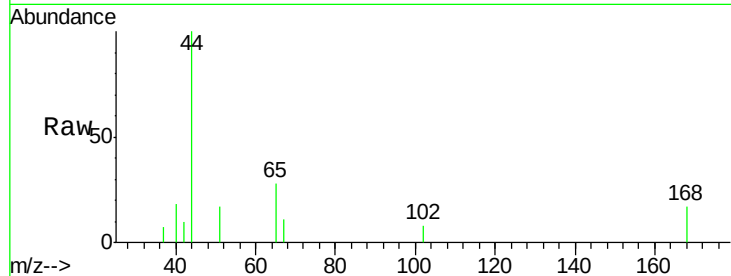
SB-7RE

Tot Ion: 65 Resp: 1100

Ion Ratio Lower Upper

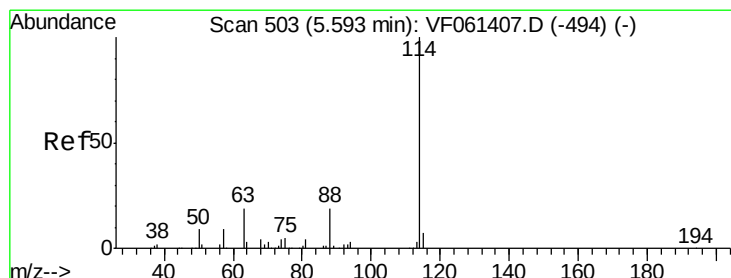
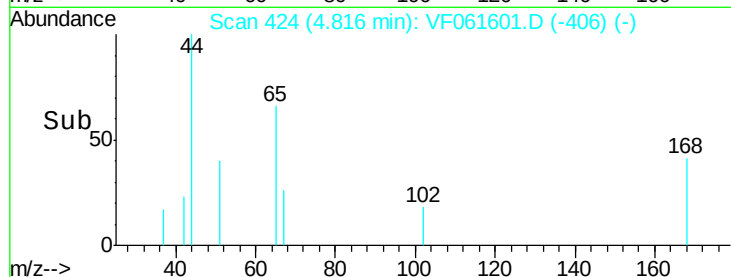
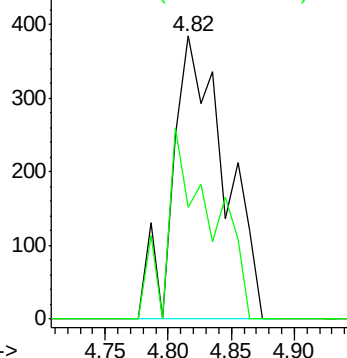
65 100

67 39.6 0.0 99.8



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: 5.58 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

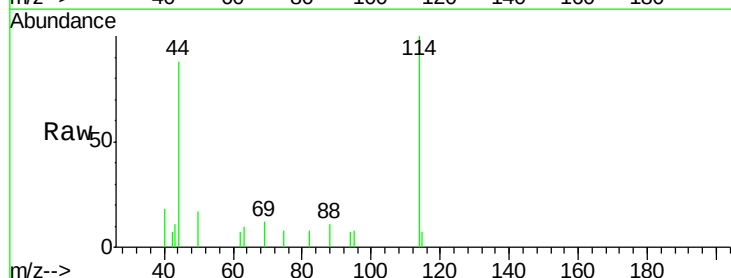
Tgt Ion: 114 Resp: 3723

Ion Ratio Lower Upper

114 100

63 10.2 0.0 39.0

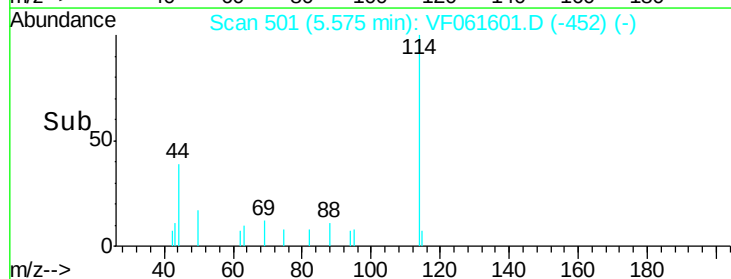
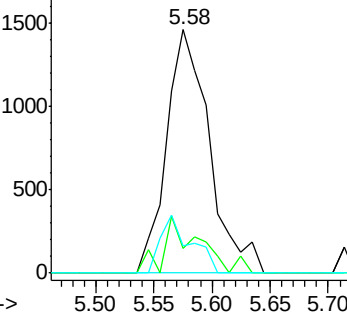
88 11.2 0.0 37.4

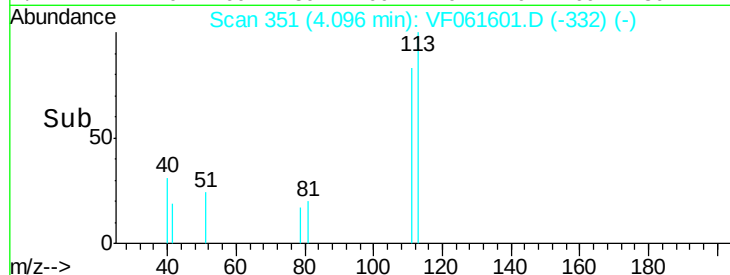
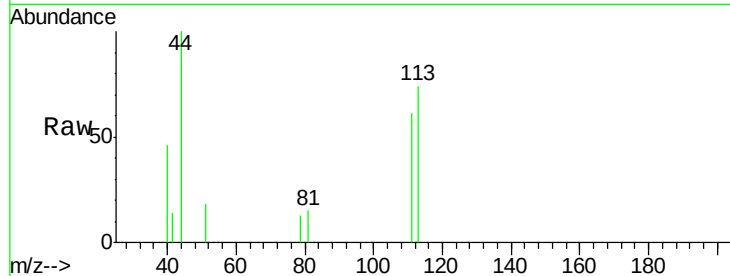
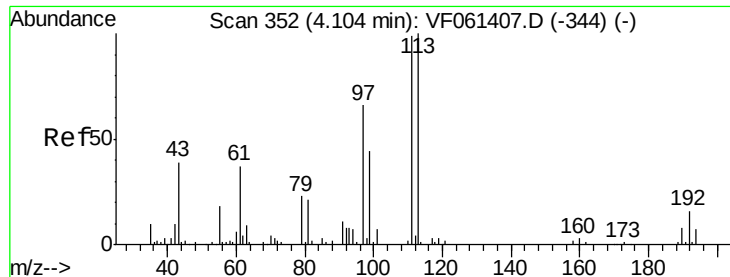


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

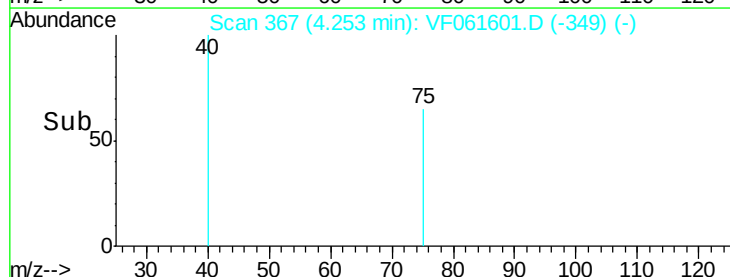
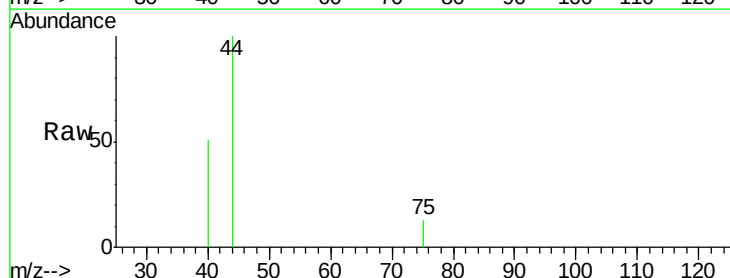
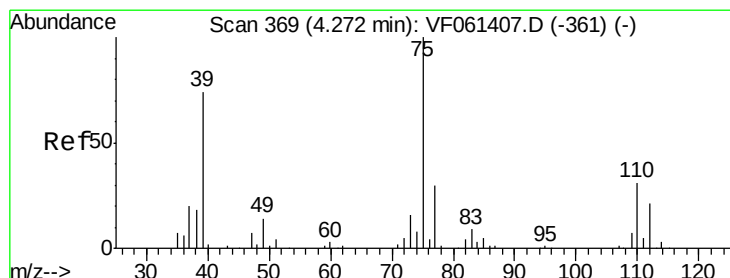
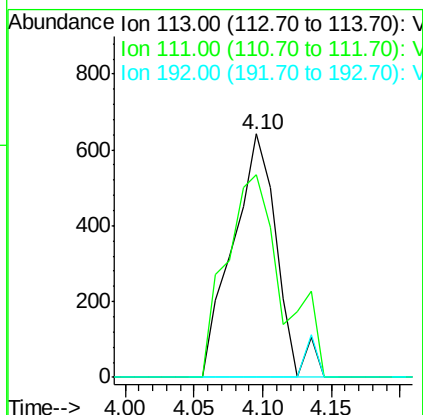




#35
Dibromofluoromethane
Concen: 48.949 ug/l
RT: 4.10 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

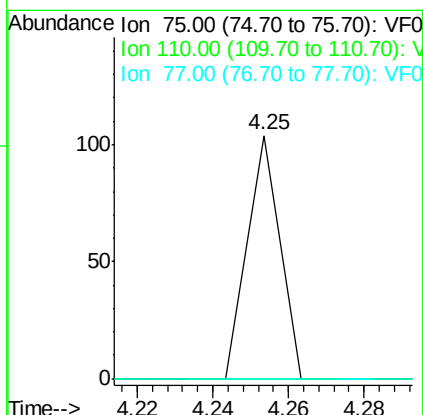
Instrument :
MSVOA_F
ClientSampleId :
SB-7RE

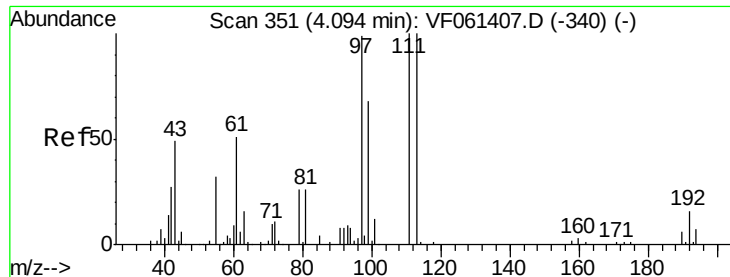
Tot Ion: 113 Resp: 1438
Ion Ratio Lower Upper
113 100
111 83.0 79.4 119.0
192 0.0 12.4 18.6#



#36
1,1-Dichloropropene
Concen: 1.436 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
110 0.0 15.8 47.3#
77 0.0 24.0 36.0#





#37

Ethyl Acetate

Concen: 3.999 ug/l

RT: 4.07 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-7RE

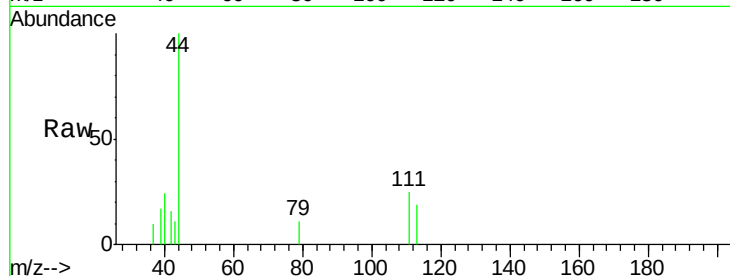
Tot Ion: 43 Resp: 69

Ion Ratio Lower Upper

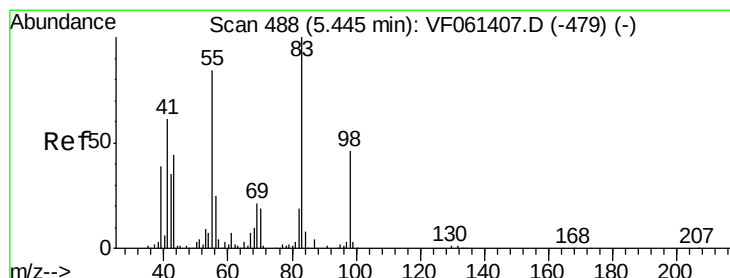
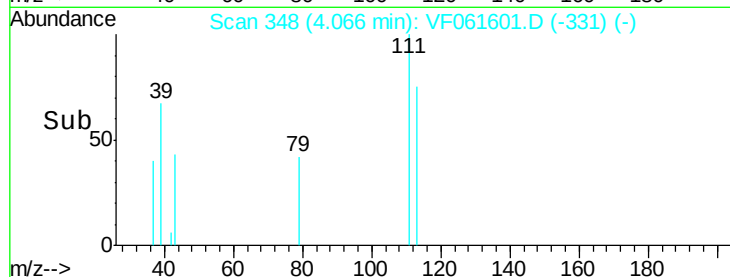
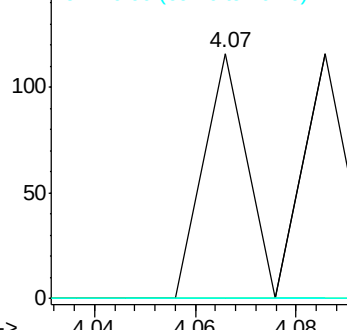
43 100

61 0.0 81.7 122.5#

70 0.0 6.2 9.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#39

Methylcyclohexane

Concen: 12.078 ug/l

RT: 5.43 min Scan# 486

Delta R.T. -0.02 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

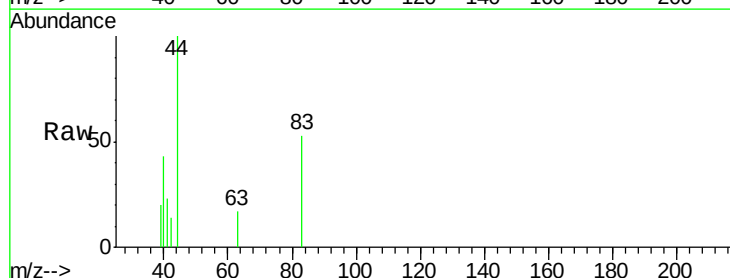
Tgt Ion: 83 Resp: 565

Ion Ratio Lower Upper

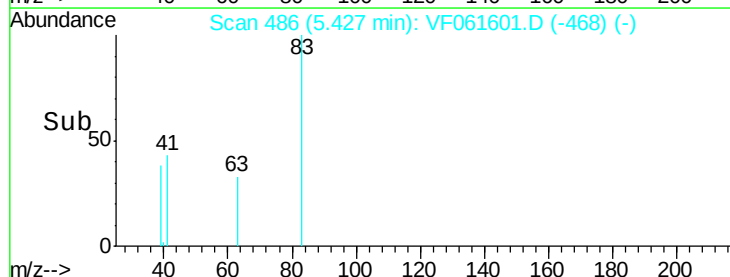
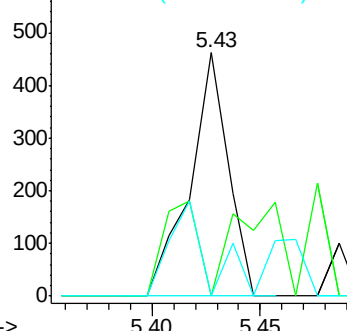
83 100

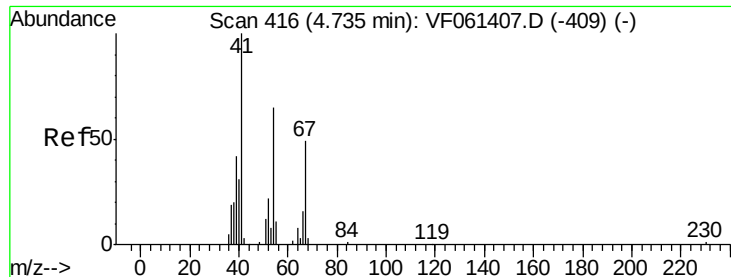
55 0.0 67.4 101.2#

98 0.0 36.7 55.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#41

Methacrylonitrile

Concen: 7.842 ug/l

RT: 4.66 min Scan# 408

Delta R.T. -0.08 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampled :

SB-7RE

Tot Ion: 41 Resp: 72

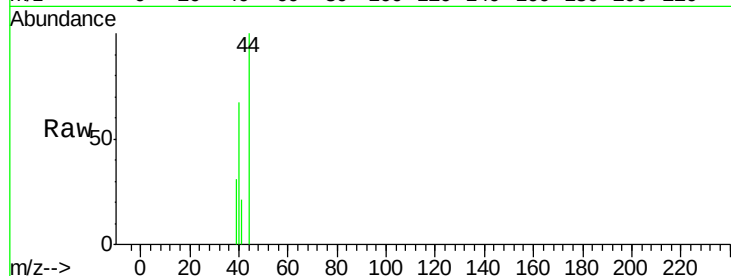
Ion Ratio Lower Upper

41 100

39 149.6 43.1 64.7#

67 0.0 38.8 58.2#

52 0.0 33.2 49.8#



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

250

200

150

100

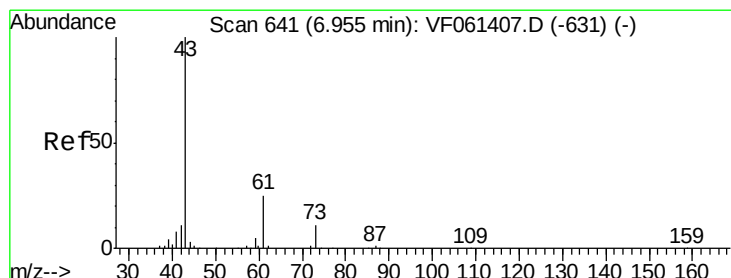
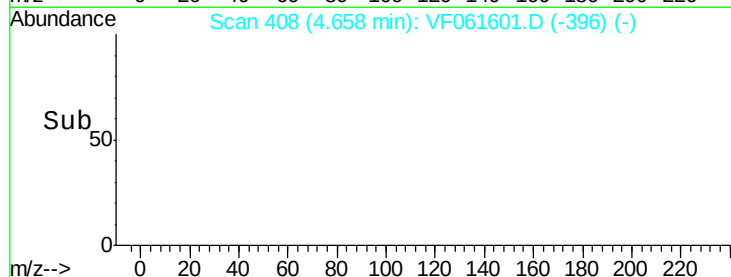
50

0

4.64 4.66 4.68

4.66

Time-->



#43

Isopropyl Acetate

Concen: 7.850 ug/l

RT: 6.89 min Scan# 634

Delta R.T. -0.07 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

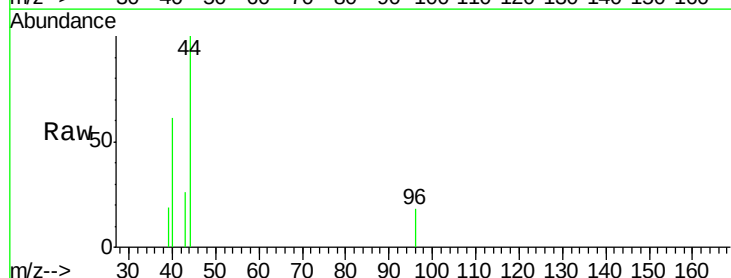
Tgt Ion: 43 Resp: 170

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

200

150

100

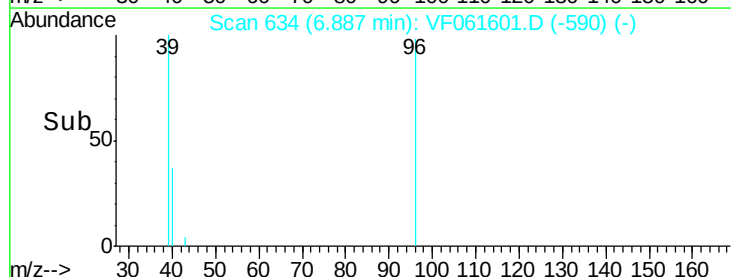
50

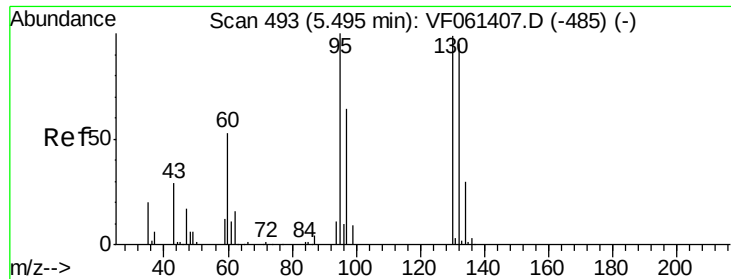
0

6.86 6.88 6.90 6.92

6.89

Time-->

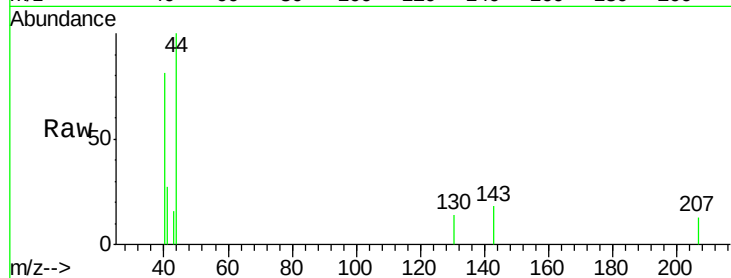




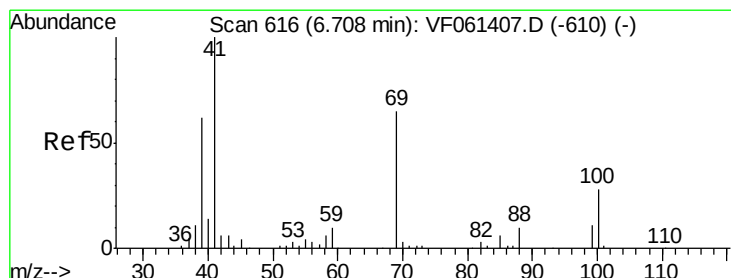
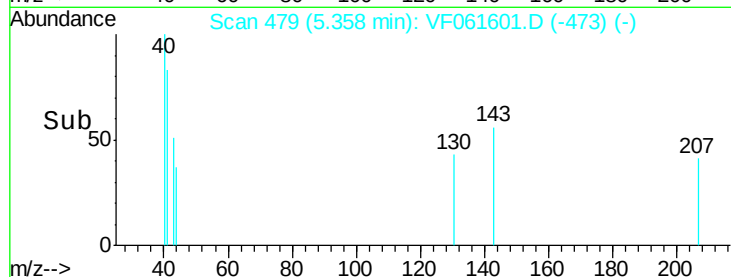
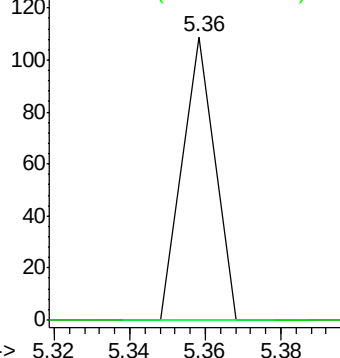
#44
 Trichloroethene
 Concen: 2.206 ug/l
 RT: 5.36 min Scan# 479
 Delta R.T. -0.14 min
 Lab File: VF061601.D
 Acq: 11 Feb 2019 22:27

Instrument :
 MSVOA_F
 ClientSampled :
 SB-7RE

Tot Ion:130 Resp: 65
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 202.8

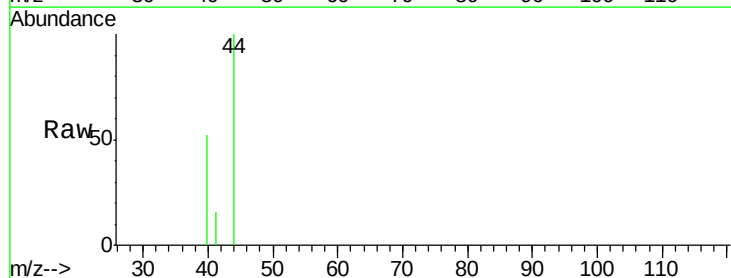


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0

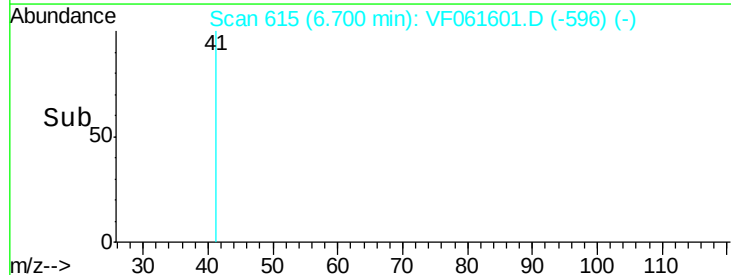
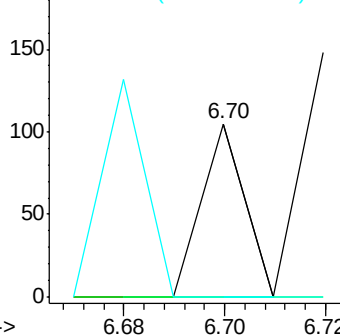


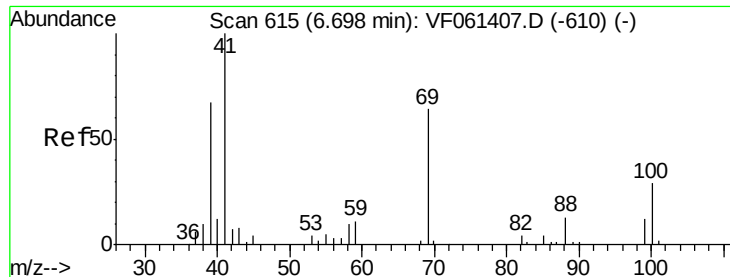
#48
 Methyl methacrylate
 Concen: 4.263 ug/l
 RT: 6.70 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VF061601.D
 Acq: 11 Feb 2019 22:27

Tgt Ion: 41 Resp: 62
 Ion Ratio Lower Upper
 41 100
 69 0.0 51.7 77.5#
 39 0.0 49.2 73.8#



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

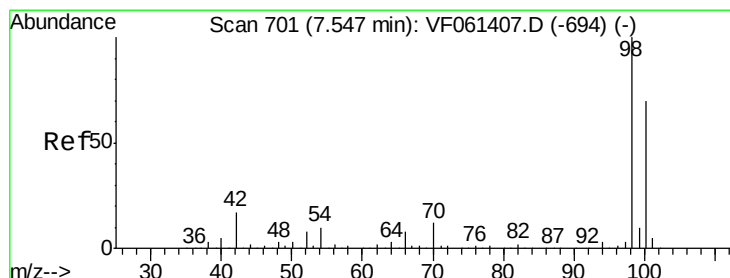
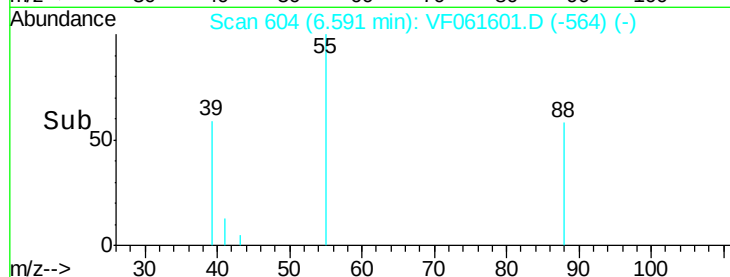
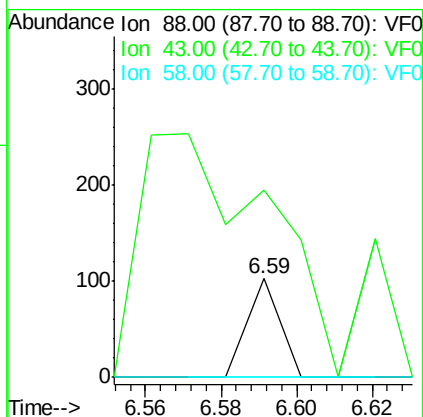
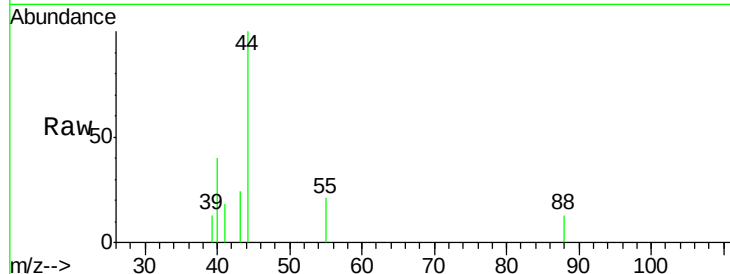




#49
1,4-Dioxane
Concen: 560.571 ug/l
RT: 6.59 min Scan# 604
Delta R.T. -0.11 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

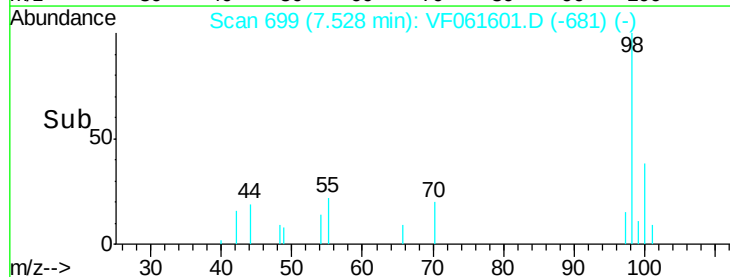
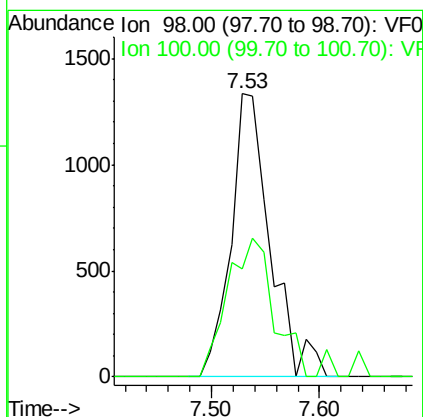
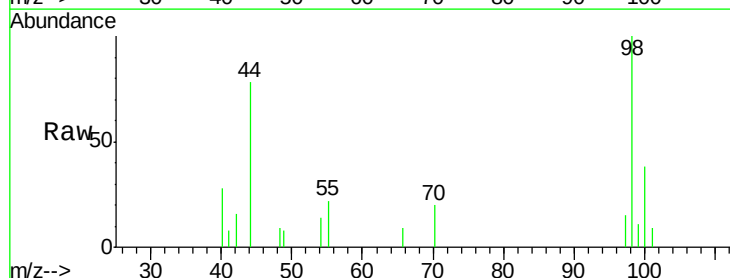
Instrument :
MSVOA_F
ClientSampleId :
SB-7RE

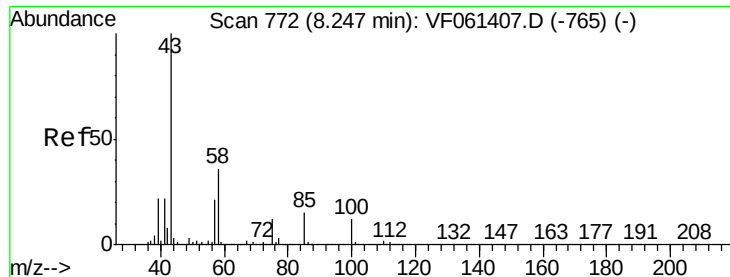
Tot Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 191.2 55.5 83.3#
58 0.0 59.9 89.9#



#50
Toluene-d8
Concen: 42.018 ug/l
RT: 7.53 min Scan# 699
Delta R.T. -0.02 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

Tgt Ion: 98 Resp: 3382
Ion Ratio Lower Upper
98 100
100 38.2 55.6 83.4#





#51

4-Methyl-2-Pentanone

Concen: 20.037 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

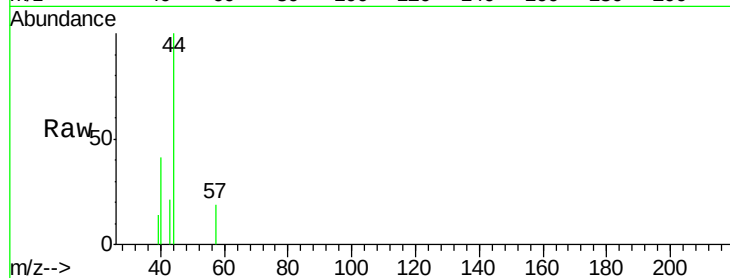
SB-7RE

Tot Ion: 43 Resp: 319

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

150

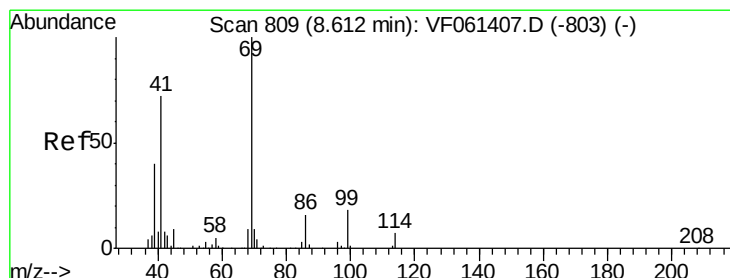
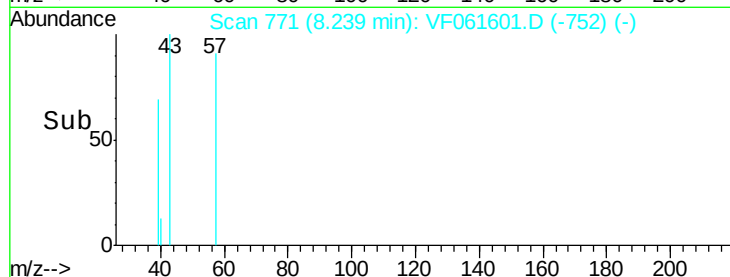
100

50

0

8.20 8.22 8.24 8.26

Time-->



#56

Ethyl methacrylate

Concen: 68.524 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.01 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

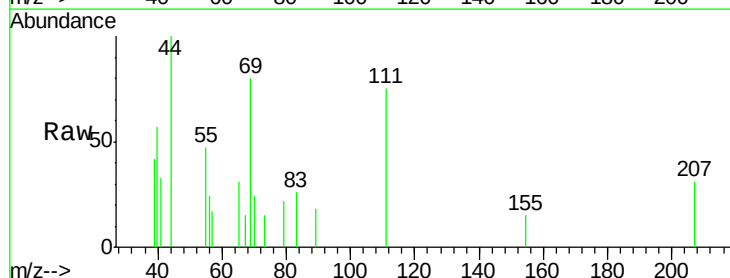
Tgt Ion: 69 Resp: 1432

Ion Ratio Lower Upper

69 100

41 40.9 57.5 86.3#

39 52.3 32.0 48.0#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

600

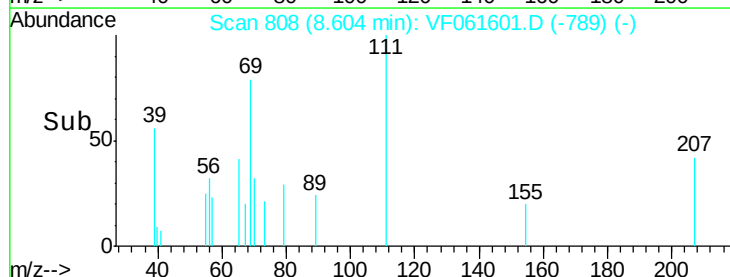
400

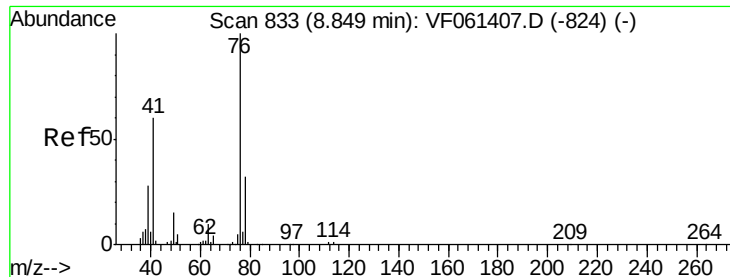
200

0

8.50 8.55 8.60 8.65 8.70

Time-->





#57

1,3-Dichloropropane

Concen: 1.782 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

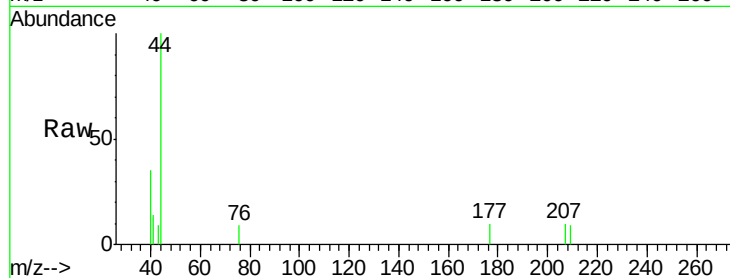
SB-7RE

Tot Ion: 76 Resp: 60

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.87

100

80

60

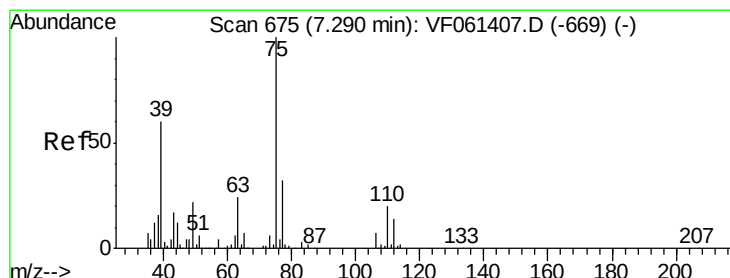
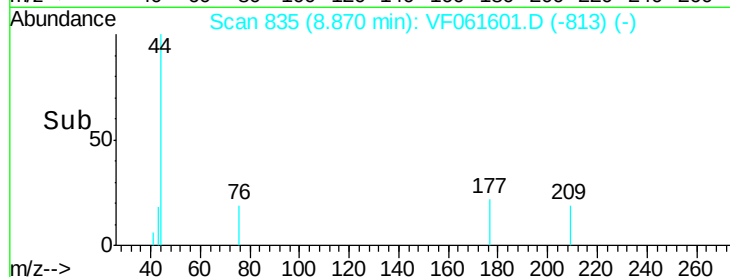
40

20

0

8.84 8.86 8.88 8.90

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 62.036 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.02 min

Lab File: VF061601.D

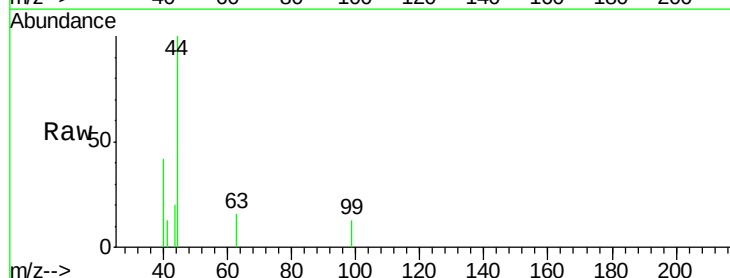
Acq: 11 Feb 2019 22:27

Tgt Ion: 63 Resp: 85

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.31

150

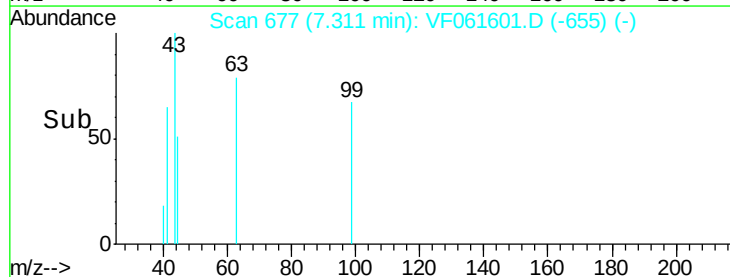
100

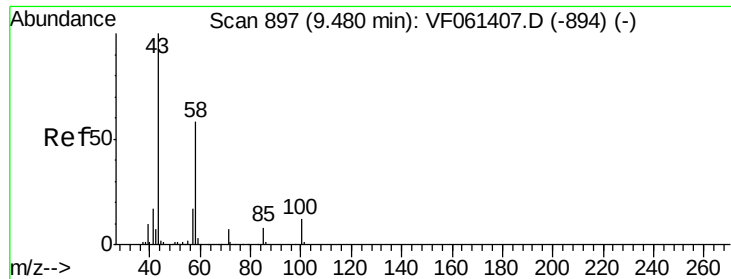
50

0

7.28 7.30 7.32 7.34

Time-->





#59

2-Hexanone

Concen: 24.050 ug/l

RT: 9.46 min Scan# 895

Delta R.T. -0.02 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

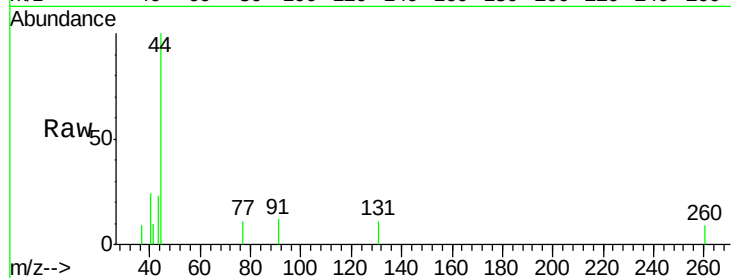
SB-7RE

Tot Ion: 43 Resp: 267

Ion Ratio Lower Upper

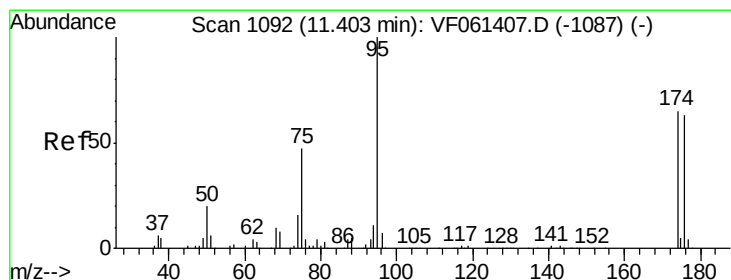
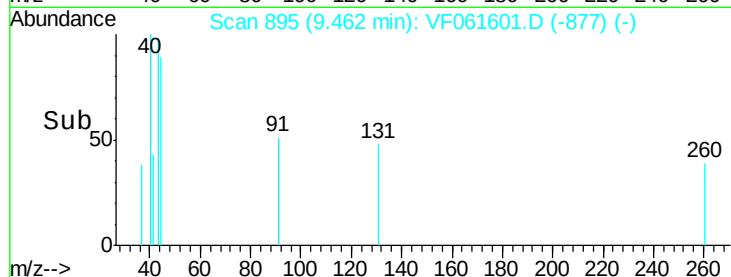
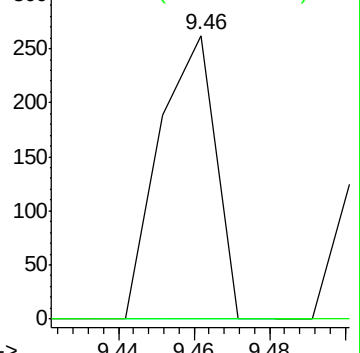
43 100

58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 18.587 ug/l

RT: 11.40 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

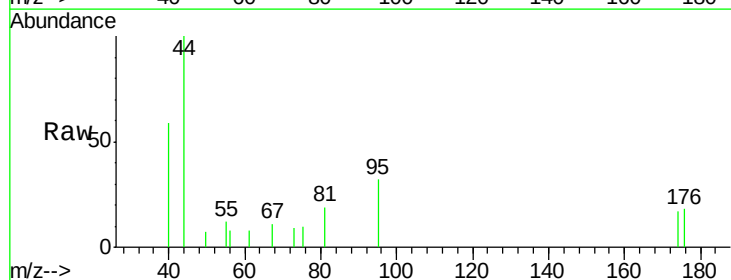
Tgt Ion: 95 Resp: 699

Ion Ratio Lower Upper

95 100

174 53.6 0.0 130.4

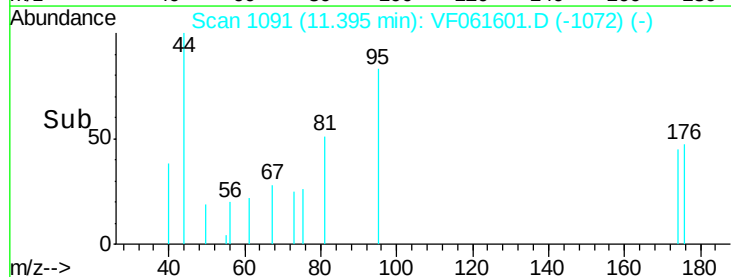
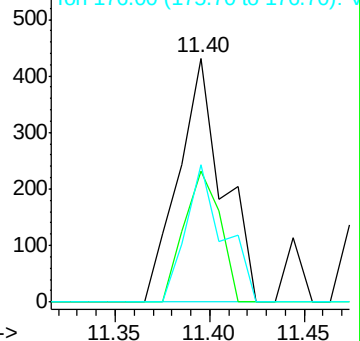
176 56.6 0.0 126.2

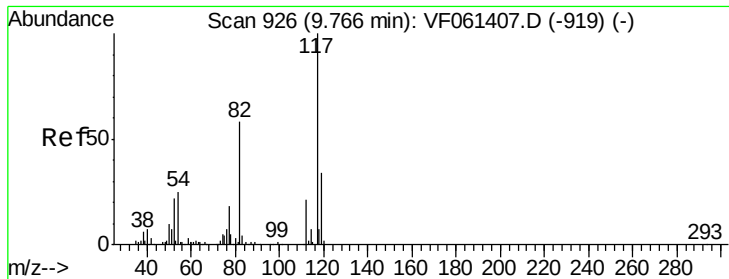


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

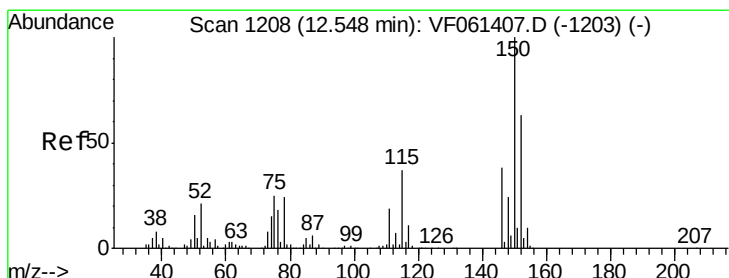
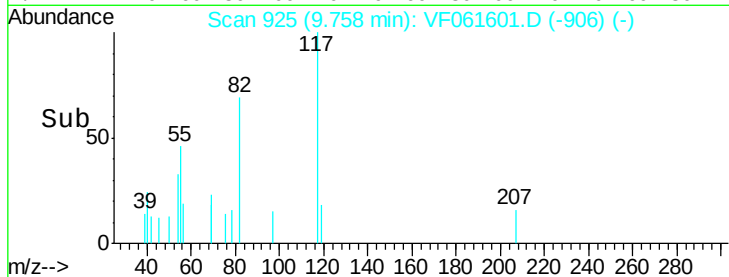
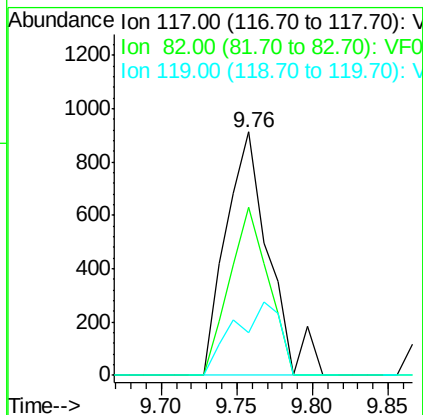
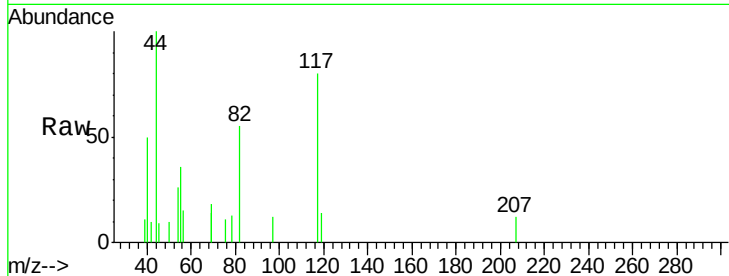




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

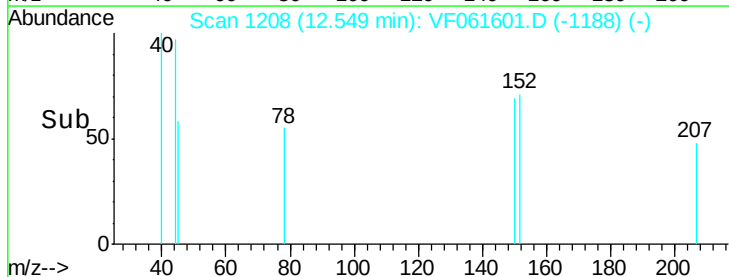
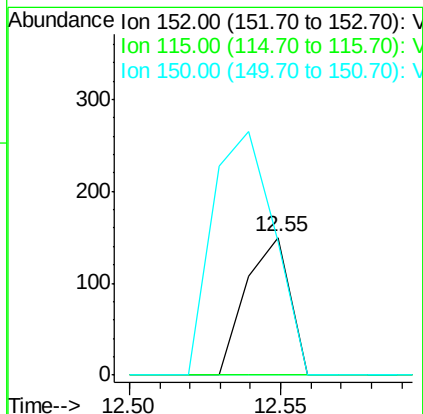
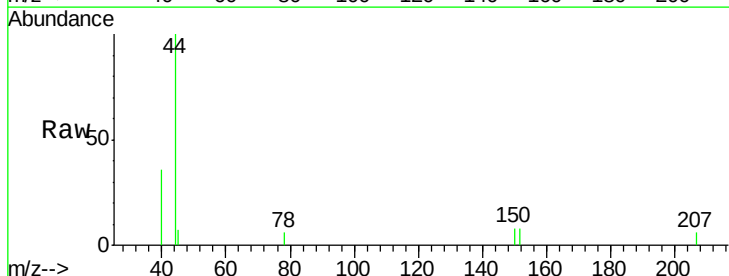
Instrument :
MSVOA_F
ClientSampleId :
SB-7RE

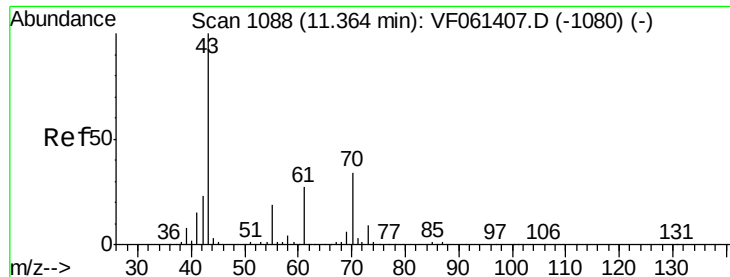
Tot Ion:117 Resp: 1802
Ion Ratio Lower Upper
117 100
82 69.1 46.4 69.6
119 17.6 27.2 40.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061601.D
Acq: 11 Feb 2019 22:27

Tgt Ion:152 Resp: 152
Ion Ratio Lower Upper
152 100
115 0.0 30.0 90.0#
150 97.3 0.0 321.4





#74

N-amyl acetate

Concen: 25.998 ug/l

RT: 11.34 min Scan# 1085

Delta R.T. -0.03 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampled :

SB-7RE

Tot Ion: 43 Resp: 76

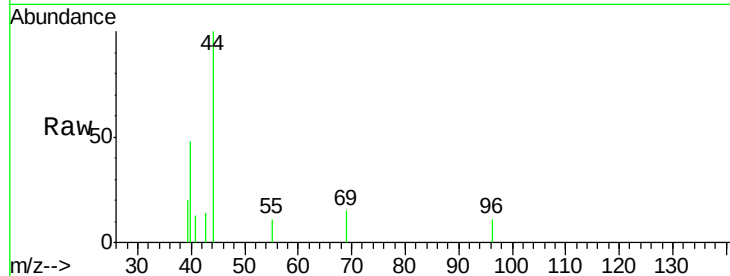
Ion Ratio Lower Upper

43 100

70 0.0 27.6 41.4#

55 81.3 15.4 23.2#

61 0.0 21.8 32.6#

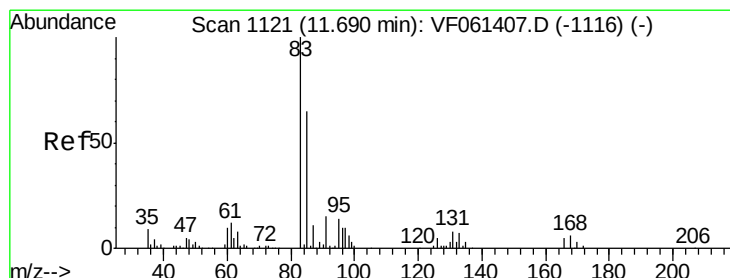
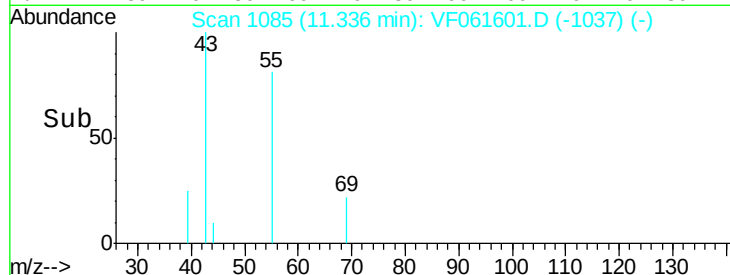
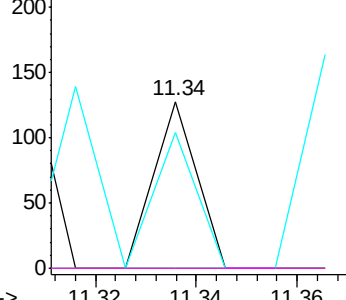


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 114.878 ug/l

RT: 11.67 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

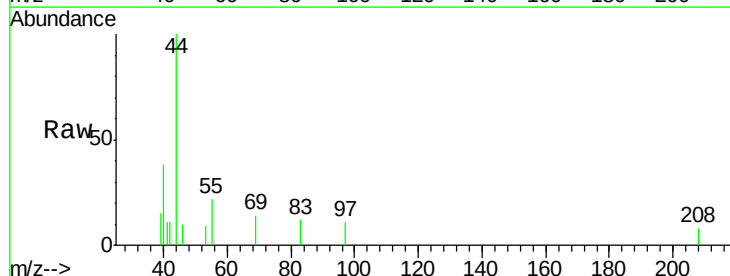
Tgt Ion: 83 Resp: 253

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.2#

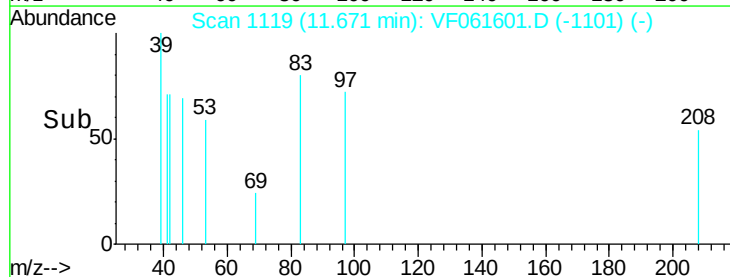
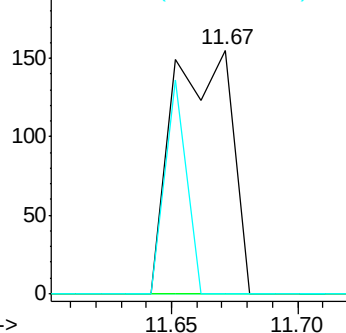
85 0.0 32.7 98.1#

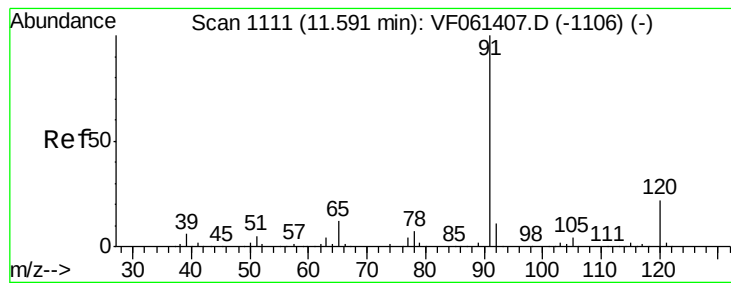


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#78

n-propylbenzene

Concen: 5.567 ug/l

RT: 11.57 min Scan# 1109

Delta R.T. -0.02 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

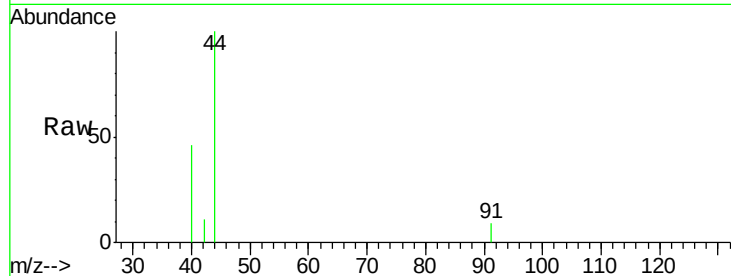
SB-7RE

Tot Ion: 91 Resp: 90

Ion Ratio Lower Upper

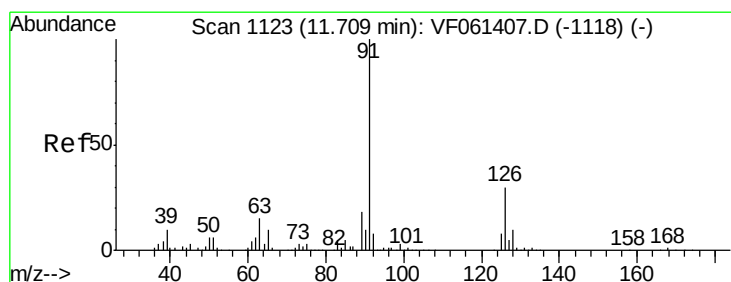
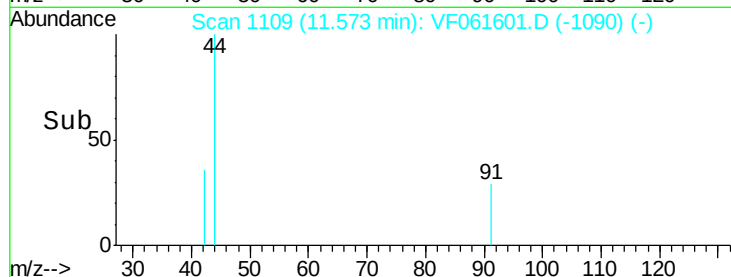
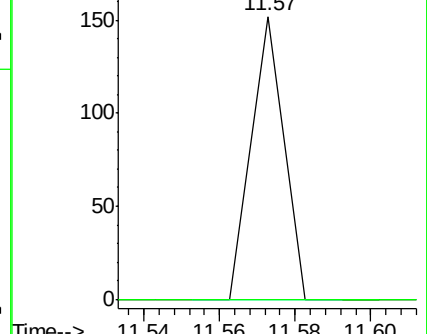
91 100

120 0.0 10.9 32.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 8.044 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061601.D

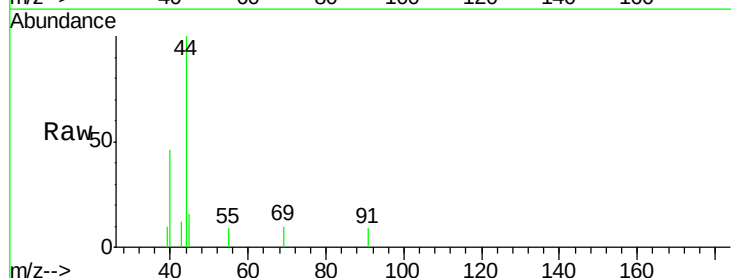
Acq: 11 Feb 2019 22:27

Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

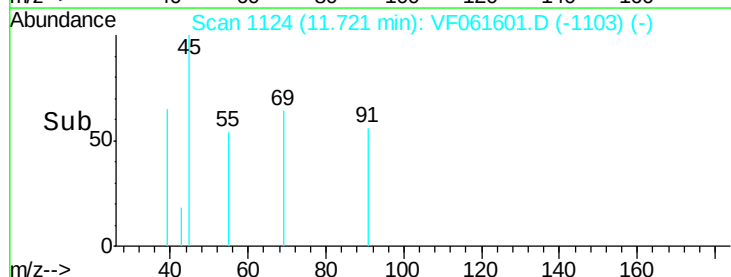
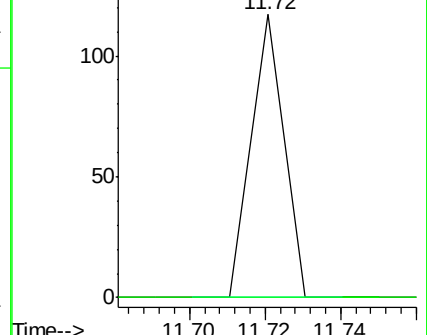
91 100

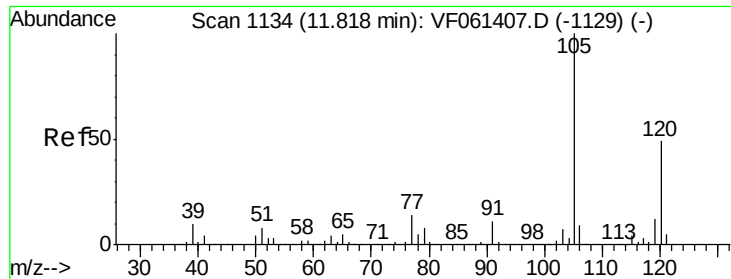
126 0.0 15.0 45.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: 32.175 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.13 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

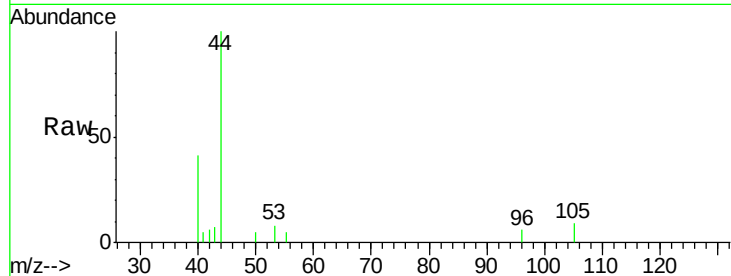
SB-7RE

Tot Ion:105 Resp: 321

Ion Ratio Lower Upper

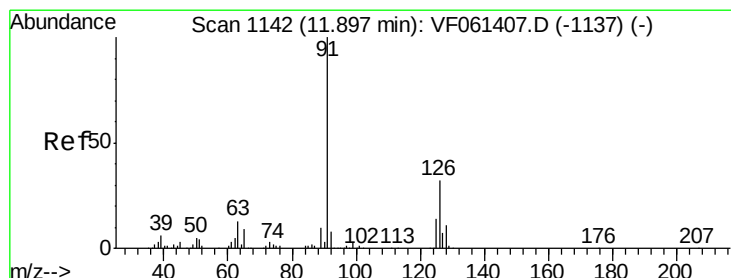
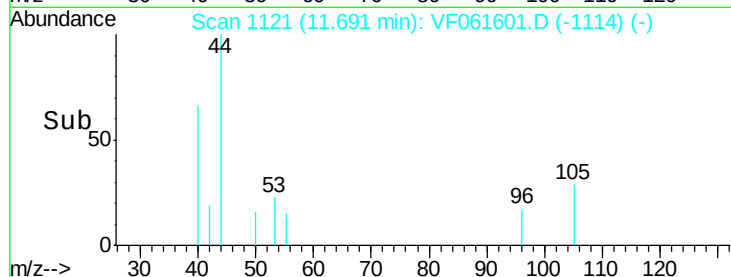
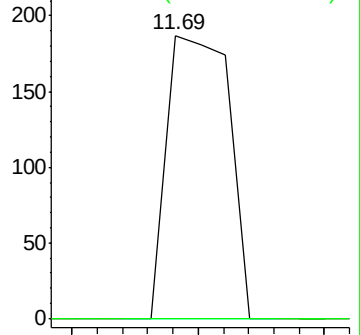
105 100

120 0.0 24.7 74.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 7.279 ug/l

RT: 11.89 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061601.D

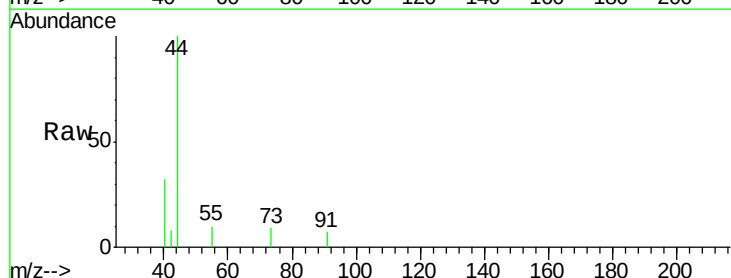
Acq: 11 Feb 2019 22:27

Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

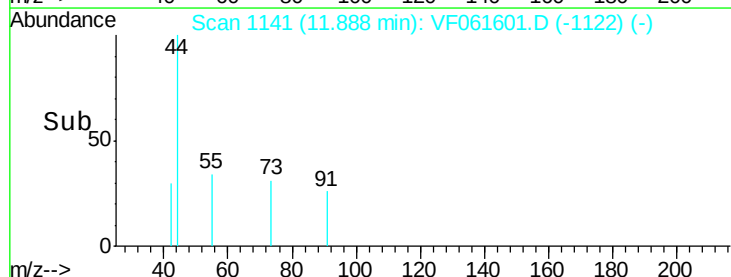
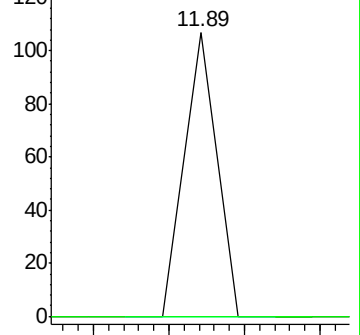
91 100

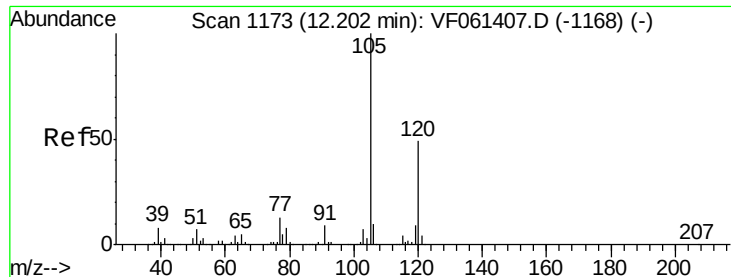
126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#84

1,2,4-Trimethylbenzene

Concen: 6.812 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VF061601.D

Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

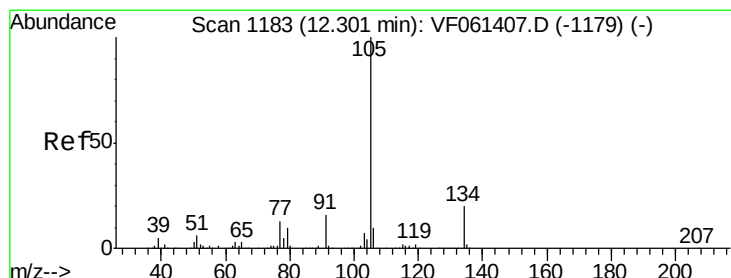
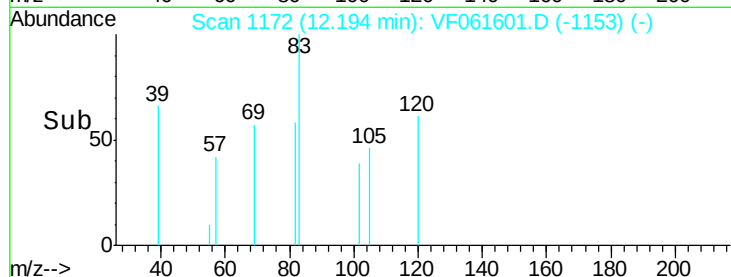
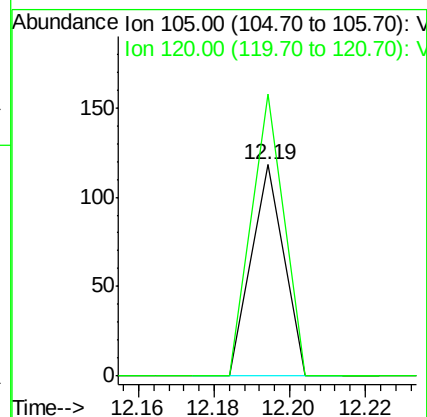
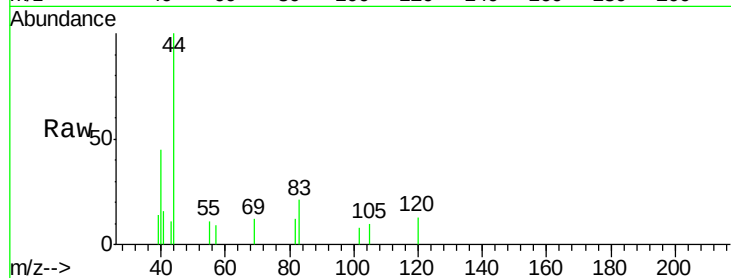
SB-7RE

Tot Ion:105 Resp: 70

Ion Ratio Lower Upper

105 100

120 133.9 24.9 74.6#



#85

sec-Butylbenzene

Concen: 4.421 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061601.D

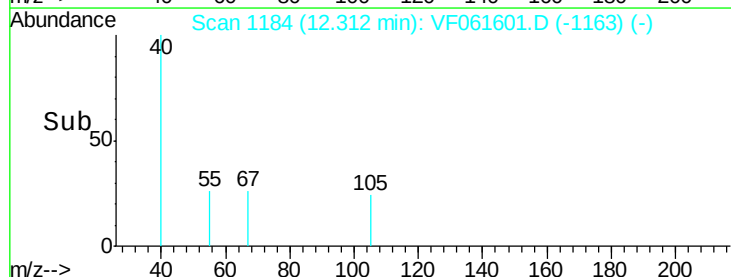
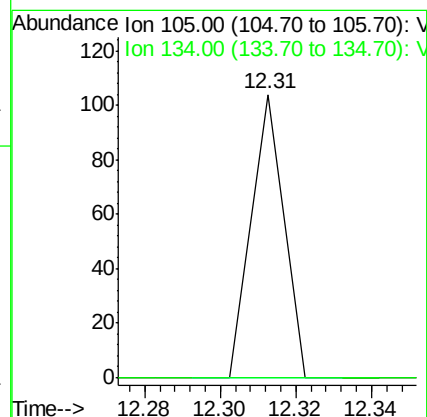
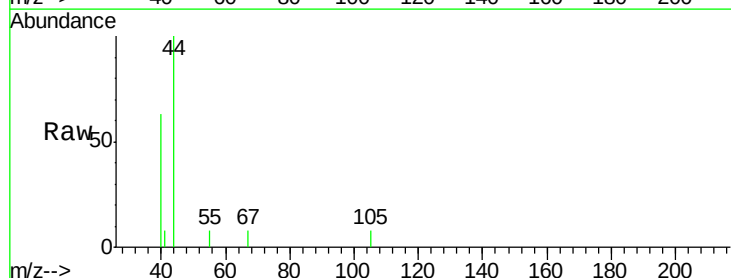
Acq: 11 Feb 2019 22:27

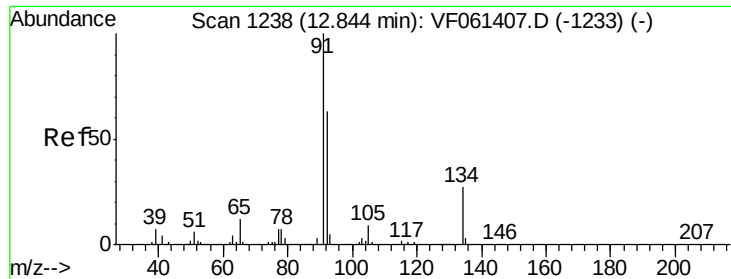
Tgt Ion:105 Resp: 62

Ion Ratio Lower Upper

105 100

134 0.0 10.0 30.0#





#89

n-Butylbenzene

Concen: 5.728 ug/l

RT: 12.86 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VF061601.D

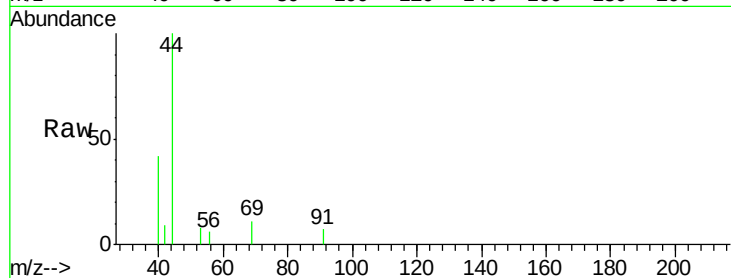
Acq: 11 Feb 2019 22:27

Instrument :

MSVOA_F

ClientSampleId :

SB-7RE



Tot Ion:	91	Resp:	68
Ion	Ratio	Lower	Upper
91	100		
92	0.0	31.6	94.7#
134	0.0	13.6	40.8#

