

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020819\
 Data File : VF061578.D
 Acq On : 9 Feb 2019 00:58
 Operator : VA/AP
 Sample : K1390-07RE
 Misc : 5.97g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-05(8-9)RE

Quant Time: Feb 09 04:34:44 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	1525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	1735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	1289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	247	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	95	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
35) Dibromofluoromethane	4.10	113	531	38.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.58%	
50) Toluene-d8	7.55	98	1886	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.39	95	263	15.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.02%	

Target Compounds					Qvalue	
3) Chloromethane	1.11	50	76	3.459	ug/l #	1
4) Vinyl Chloride	1.14	62	60	3.070	ug/l #	43
5) Bromomethane	1.37	94	397	31.151	ug/l #	2
6) Chloroethane	1.39	64	67	7.737	ug/l #	1
8) Diethyl Ether	1.53	74	66	13.557	ug/l	65
10) Methyl Iodide	1.88	142	65	2.297	ug/l #	27
11) Tert butyl alcohol	2.58	59	67	84.070	ug/l #	64
12) 1,1-Dichloroethene	1.79	96	227	16.736	ug/l #	1
13) Acrolein	2.01	56	244	351.089	ug/l #	1
14) Allyl chloride	2.09	41	91	Below Cal	#	49
15) Acrylonitrile	2.91	53	376	184.186	ug/l #	47
16) Acetone	2.28	43	669	177.118	ug/l	99
17) Carbon Disulfide	1.86	76	72	1.702	ug/l #	69
18) Methyl Acetate	2.32	43	251	33.508	ug/l #	61
19) Methyl tert-butyl Ether	2.45	73	66	2.171	ug/l #	59
20) Methylene Chloride	2.08	84	111	7.151	ug/l #	1
21) trans-1,2-Dichloroethene	2.26	96	68	4.557	ug/l #	1
22) Diisopropyl ether	2.82	45	429	8.888	ug/l #	43
23) Vinyl Acetate	3.16	43	203	12.633	ug/l #	78
24) 1,1-Dichloroethane	2.90	63	90	2.971	ug/l #	85
25) 2-Butanone	4.32	43	430	68.458	ug/l #	57
26) 2,2-Dichloropropane	3.63	77	74	3.976	ug/l #	61
27) cis-1,2-Dichloroethene	3.50	96	75	3.405	ug/l	1
29) Tetrahydrofuran	4.05	42	60	22.184	ug/l #	38
31) Cyclohexane	3.74	56	63	2.082	ug/l #	13
37) Ethyl Acetate	4.09	43	111	13.804	ug/l #	5
39) Methylcyclohexane	5.54	83	62	2.844	ug/l #	15
41) Methacrylonitrile	4.73	41	159	37.160	ug/l #	29
43) Isopropyl Acetate	6.92	43	171	16.944	ug/l #	51
44) Trichloroethene	5.61	130	80	5.826	ug/l	1
48) Methyl methacrylate	6.68	41	170	25.085	ug/l #	48
51) 4-Methyl-2-Pentanone	8.23	43	396	53.373	ug/l #	39
59) 2-Hexanone	9.48	43	168	32.472	ug/l #	26
66) 1,1,1,2-Tetrachloroethane	10.07	131	70	6.704	ug/l #	8

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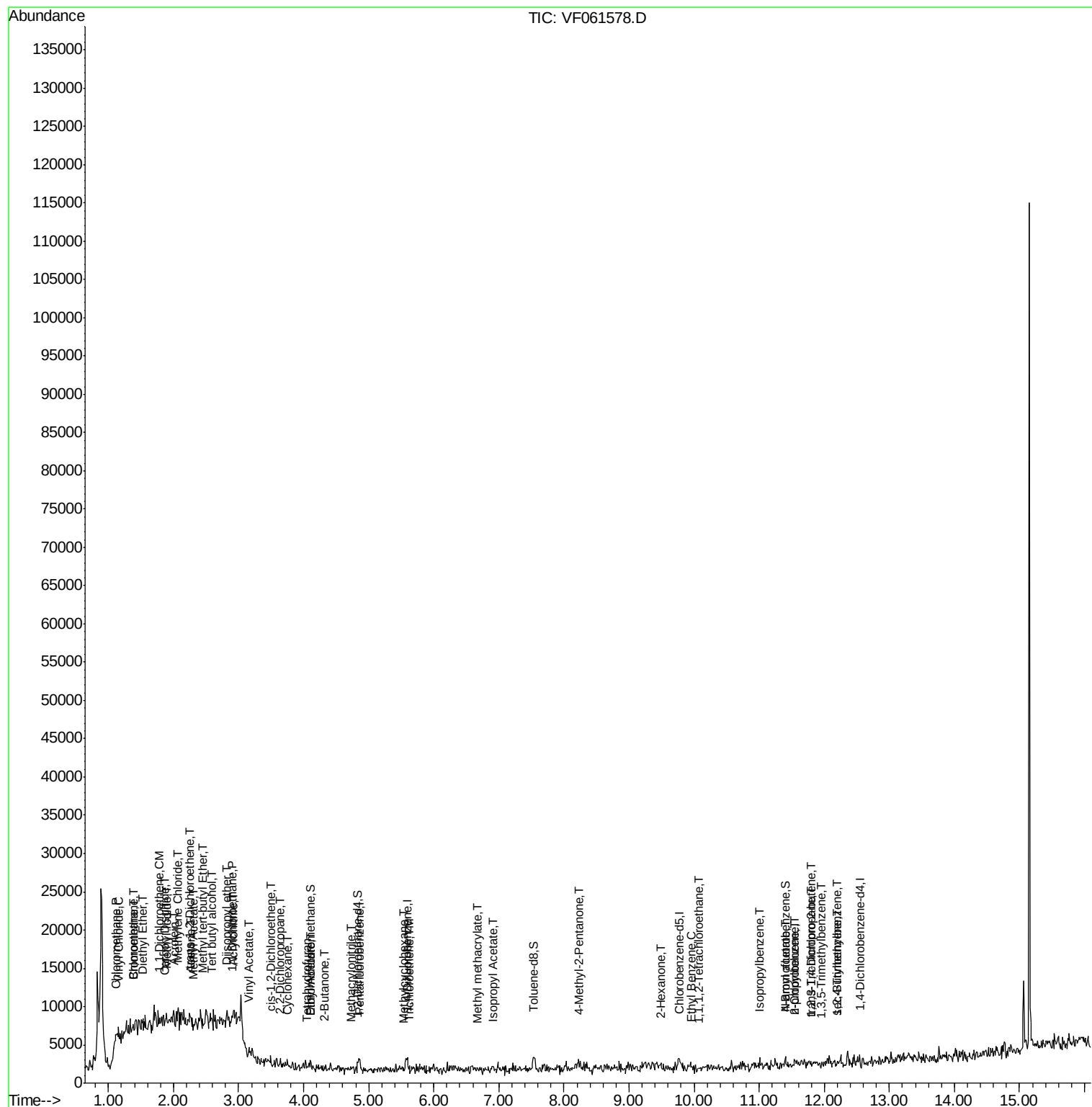
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Ethyl Benzene	9.96	91	80	1.670	ug/l #	46
73) Isopropylbenzene	11.01	105	64	3.186	ug/l #	50
74) N-amyl acetate	11.40	43	74	15.578	ug/l #	47
76) 1,2,3-Trichloropropane	11.81	75	78	30.332	ug/l #	42
78) n-propylbenzene	11.55	91	77	3.023	ug/l #	54
79) 2-Chlorotoluene	11.55	91	77	5.524	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.95	105	68	4.194	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.81	75	78	69.776	ug/l #	19
84) 1,2,4-Trimethylbenzene	12.21	105	63	3.773	ug/l #	28
85) sec-Butylbenzene	12.21	105	63	2.765	ug/l #	56

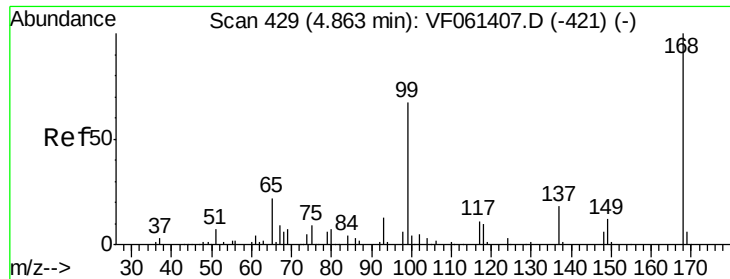
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

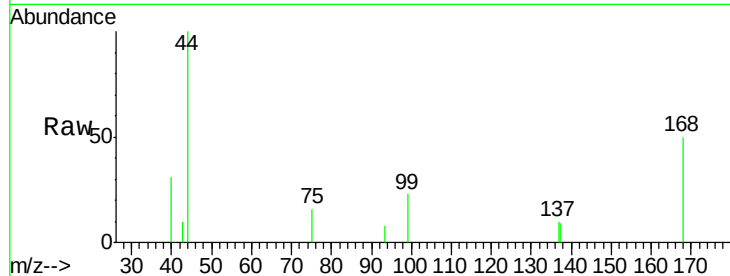
SB-05(8-9)RE

Tot Ion:168 Resp: 1525

Ion Ratio Lower Upper

168 100

99 45.6 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

600

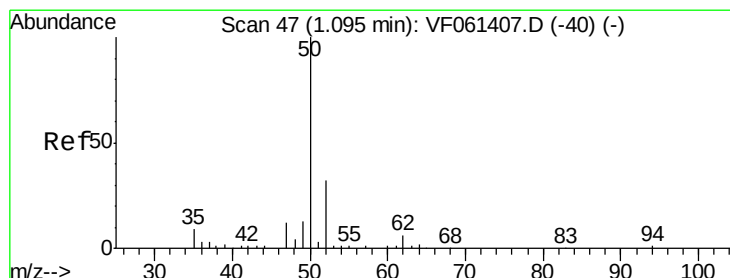
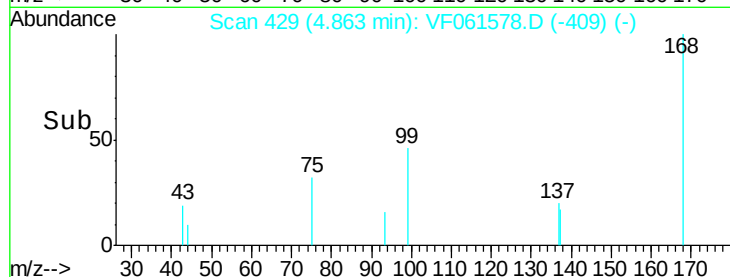
400

200

0

4.80 4.85 4.90

Time-->



#3

Chloromethane

Concen: 3.459 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.02 min

Lab File: VF061578.D

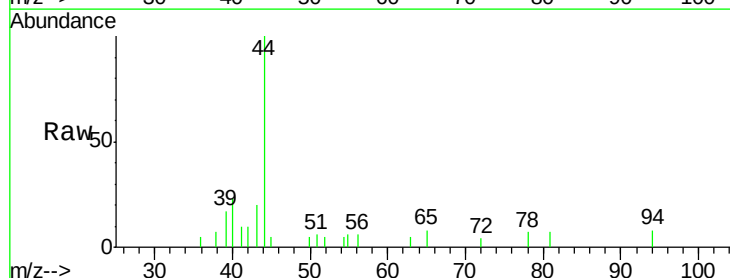
Acq: 9 Feb 2019 00:58

Tgt Ion: 50 Resp: 76

Ion Ratio Lower Upper

50 100

52 85.3 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

150

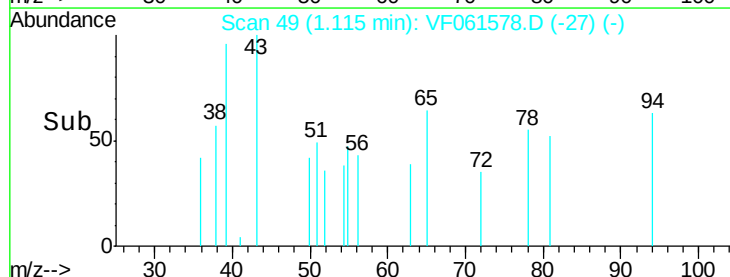
100

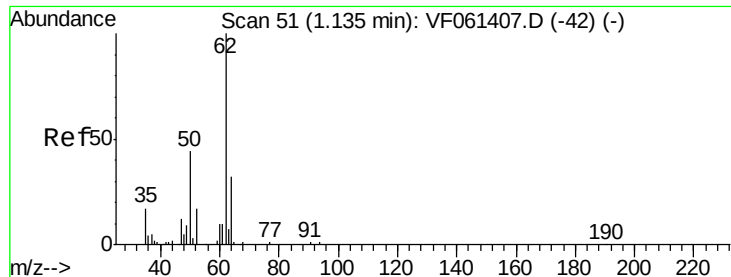
50

0

1.10 1.12 1.14

Time-->





#4

Vinyl Chloride

Concen: 3.070 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

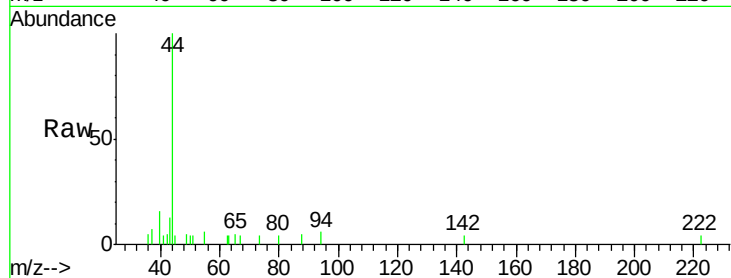
SB-05(8-9)RE

Tot Ion: 62 Resp: 60

Ion Ratio Lower Upper

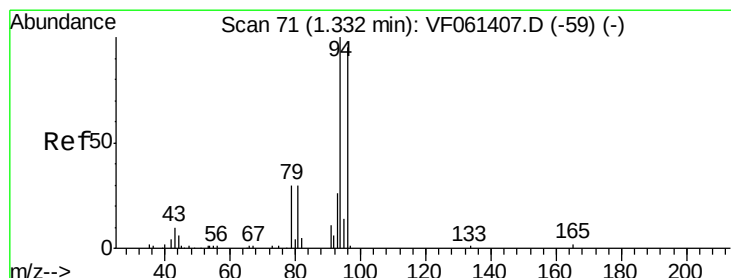
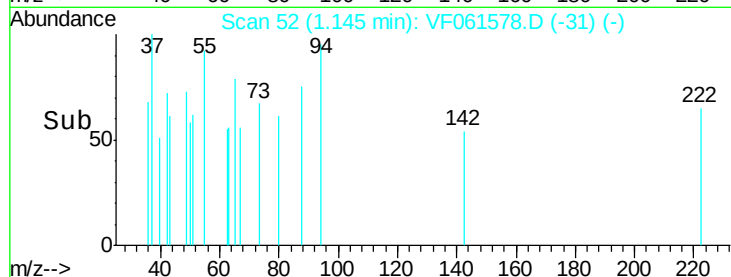
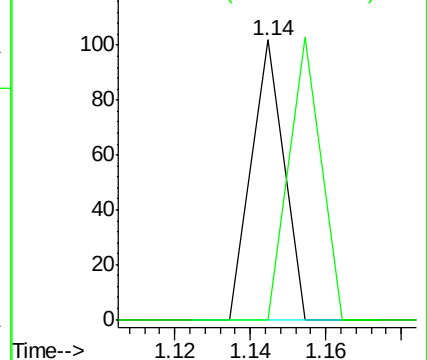
62 100

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



#5

Bromomethane

Concen: 31.151 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.04 min

Lab File: VF061578.D

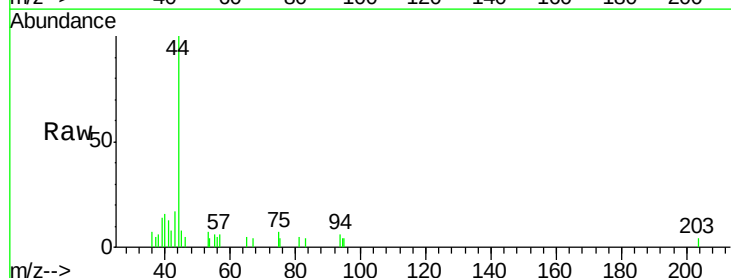
Acq: 9 Feb 2019 00:58

Tgt Ion: 94 Resp: 397

Ion Ratio Lower Upper

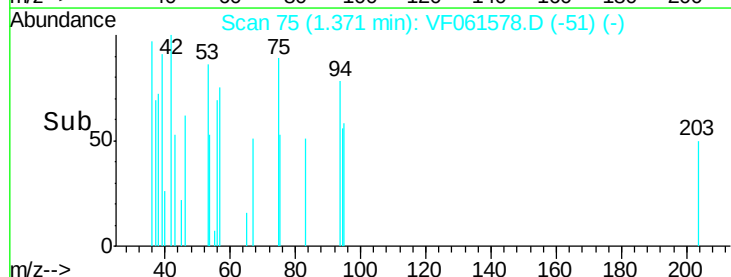
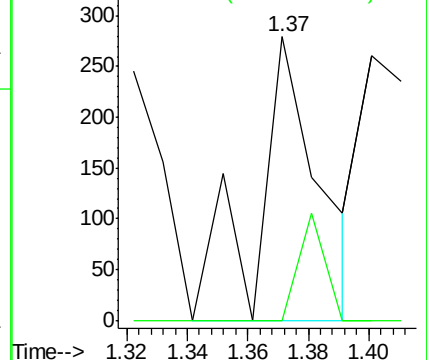
94 100

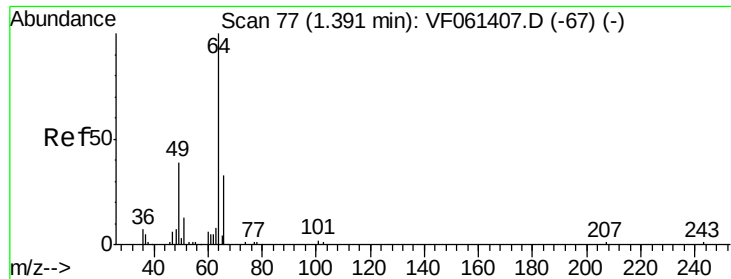
96 0.0 76.0 114.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 7.737 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

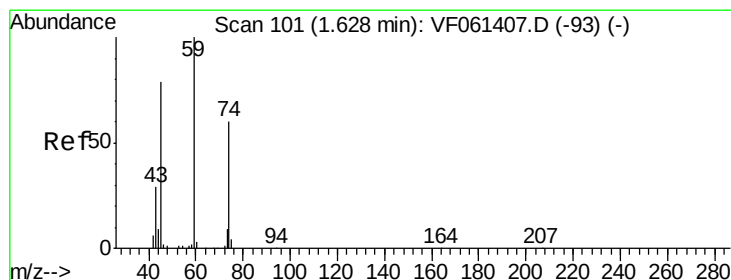
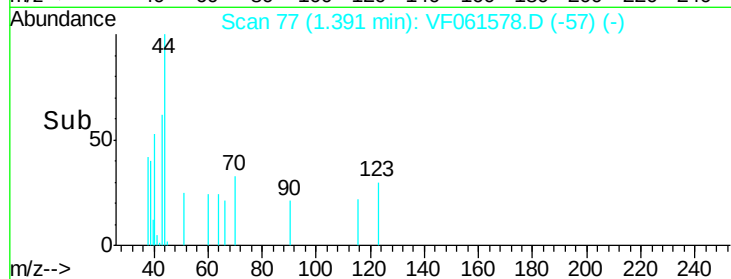
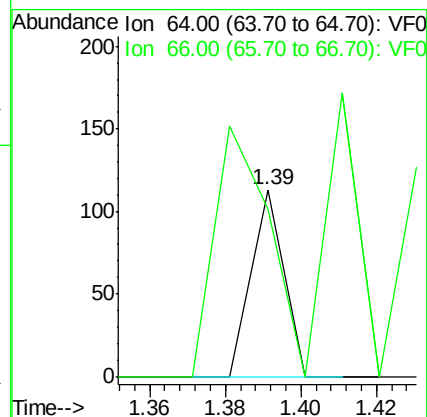
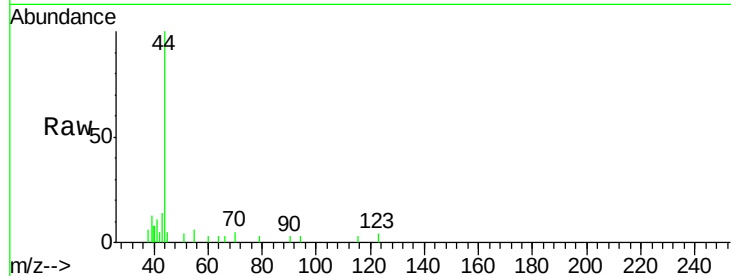
SB-05(8-9)RE

Tot Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 89.4 26.6 40.0#



#8

Diethyl Ether

Concen: 13.557 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.10 min

Lab File: VF061578.D

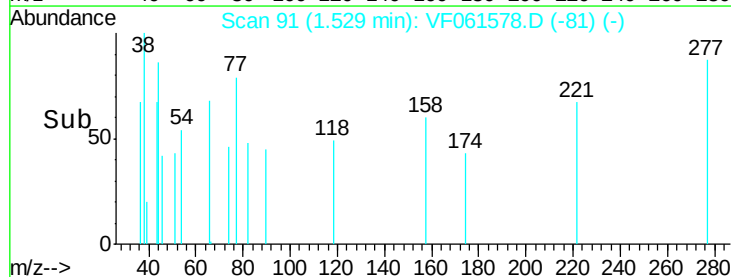
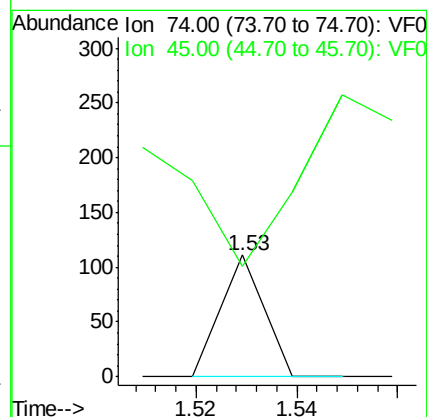
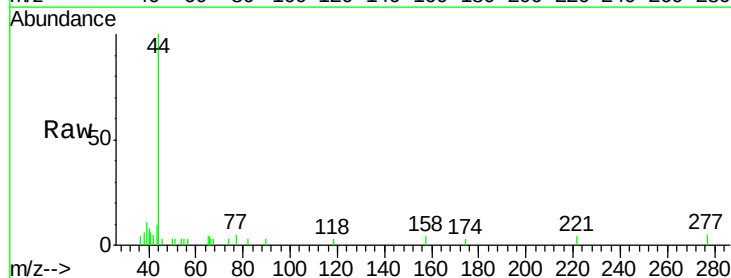
Acq: 9 Feb 2019 00:58

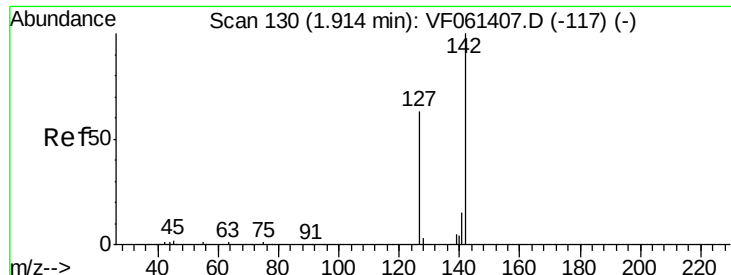
Tgt Ion: 74 Resp: 66

Ion Ratio Lower Upper

74 100

45 91.0 65.8 197.5

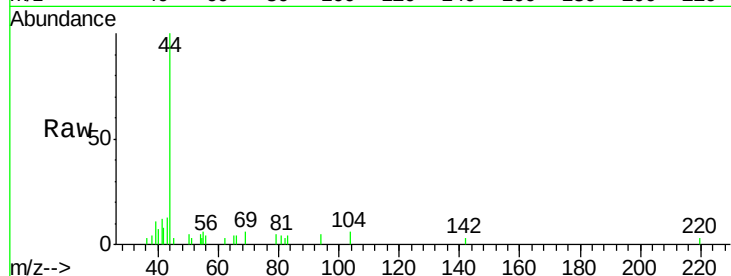




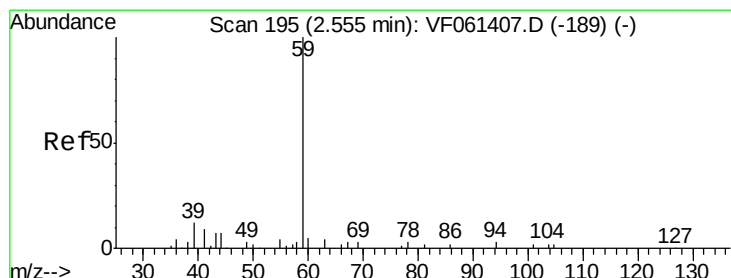
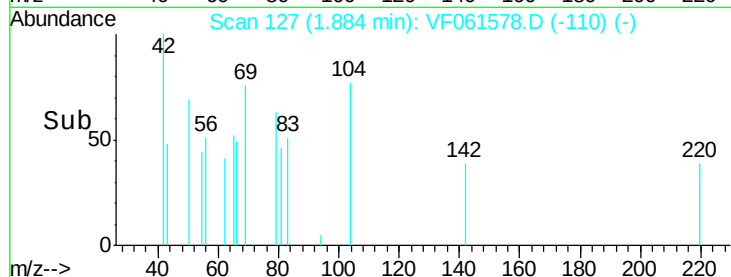
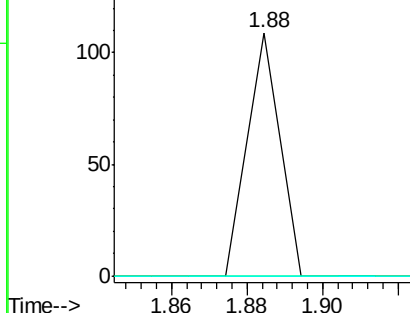
#10
Methyl Iodide
Concen: 2.297 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.03 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

Instrument :
MSVOA_F
ClientSampled :
SB-05(8-9)RE

Tot Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 50.7 76.1#
141 0.0 11.8 17.6#

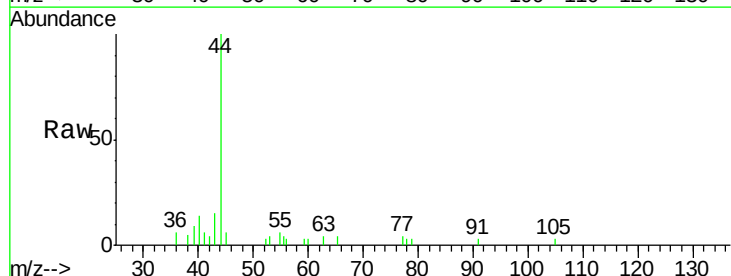


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

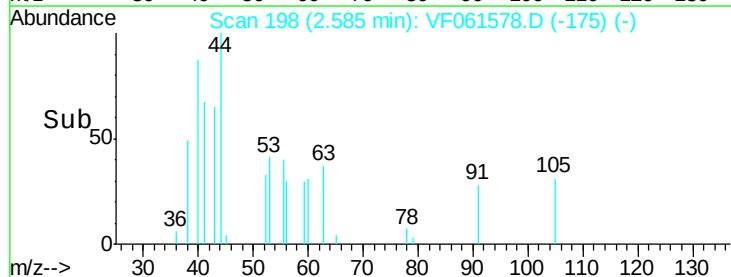
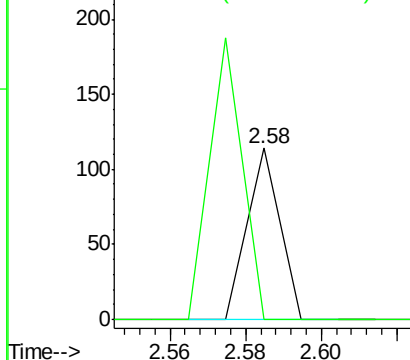


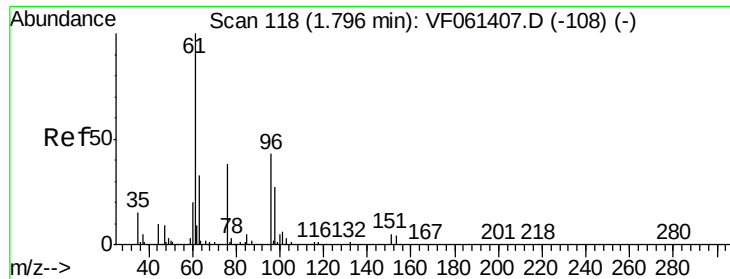
#11
Tert butyl alcohol
Concen: 84.070 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

Tgt Ion: 59 Resp: 67
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





#12

1,1-Dichloroethene

Concen: 16.736 ug/l

RT: 1.79 min Scan# 117

Delta R.T. -0.01 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

SB-05(8-9)RE

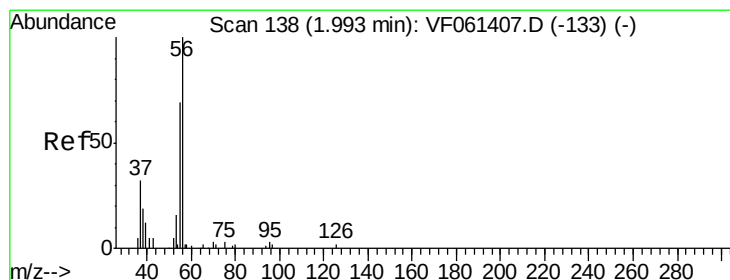
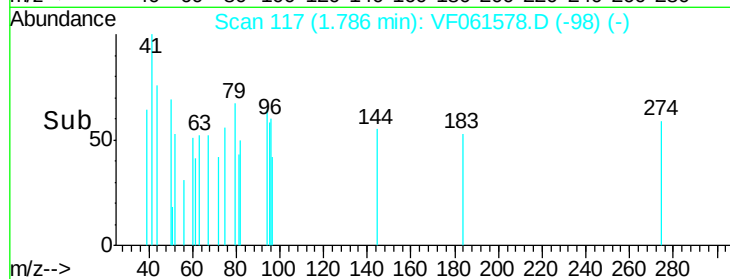
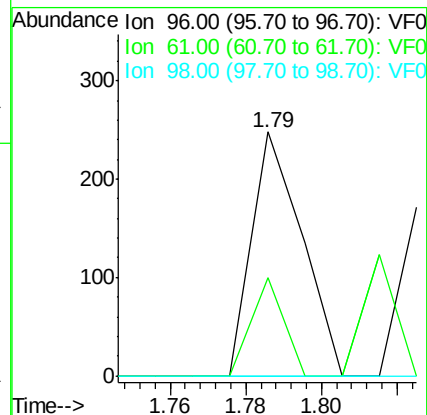
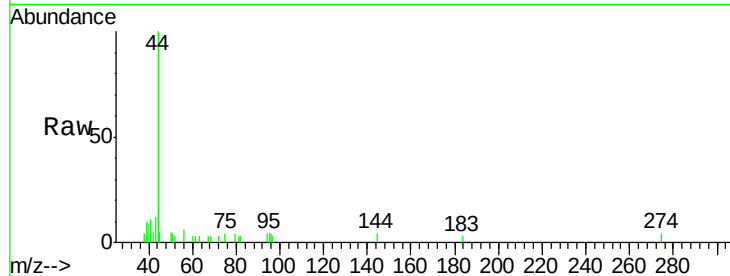
Tot Ion: 96 Resp: 227

Ion Ratio Lower Upper

96 100

61 40.3 186.9 280.3#

98 0.0 53.0 79.4#



#13

Acrolein

Concen: 351.089 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.02 min

Lab File: VF061578.D

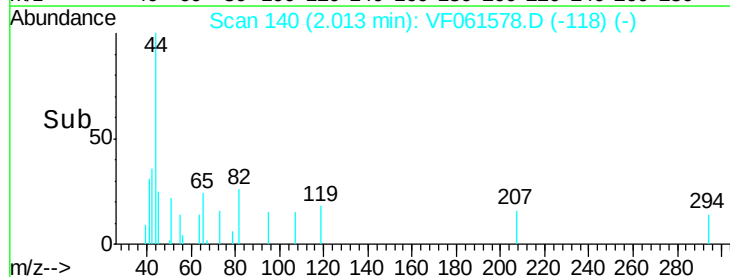
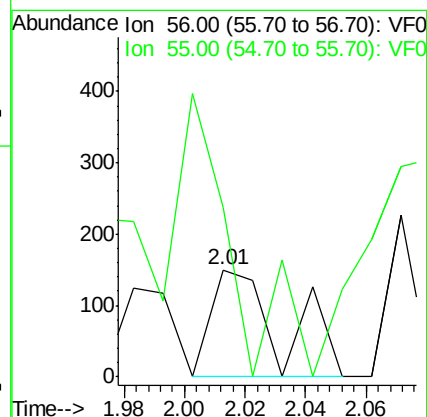
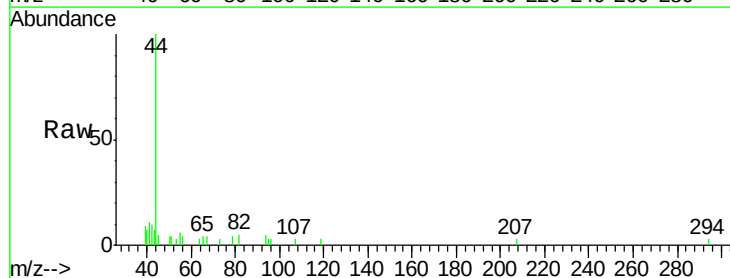
Acq: 9 Feb 2019 00:58

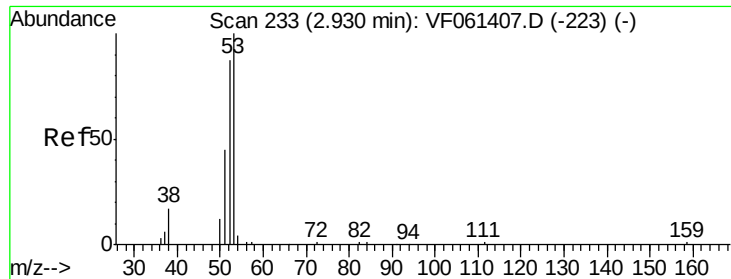
Tgt Ion: 56 Resp: 244

Ion Ratio Lower Upper

56 100

55 158.7 57.5 86.3#





#15

Acrylonitrile

Concen: 184.186 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.02 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

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ClientSampleId :

SB-05(8-9)RE

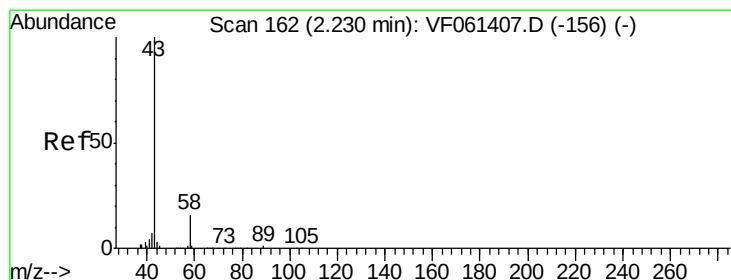
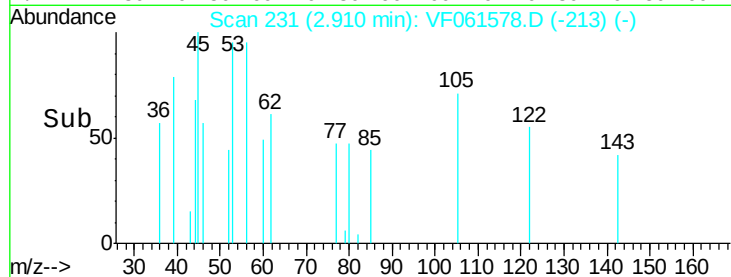
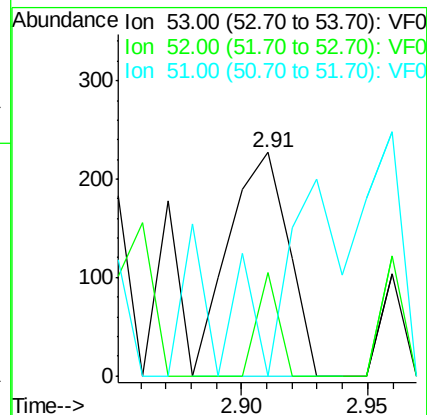
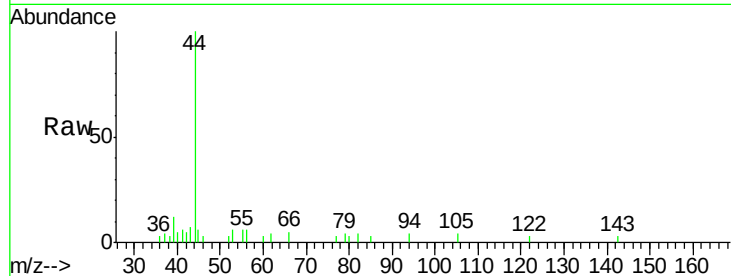
Tot Ion: 53 Resp: 376

Ion Ratio Lower Upper

53 100

52 46.3 69.6 104.4#

51 0.0 36.8 55.2#



#16

Acetone

Concen: 177.118 ug/l

RT: 2.28 min Scan# 167

Delta R.T. 0.05 min

Lab File: VF061578.D

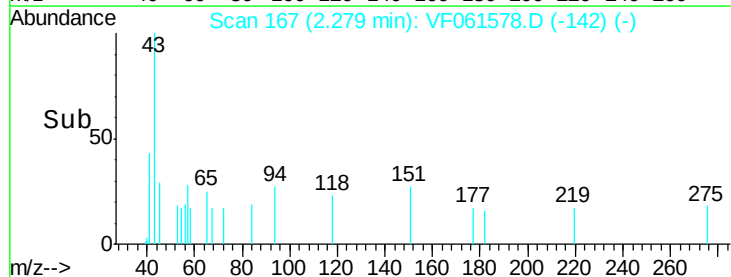
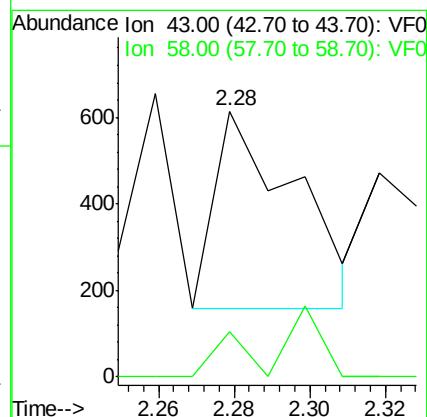
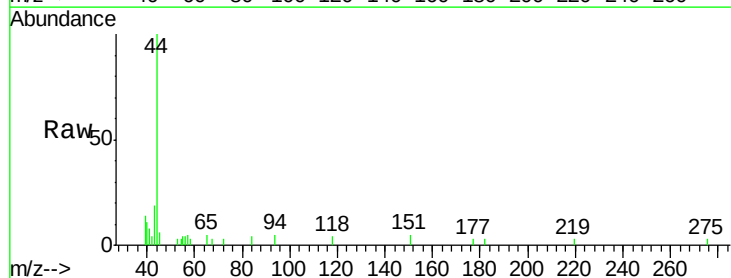
Acq: 9 Feb 2019 00:58

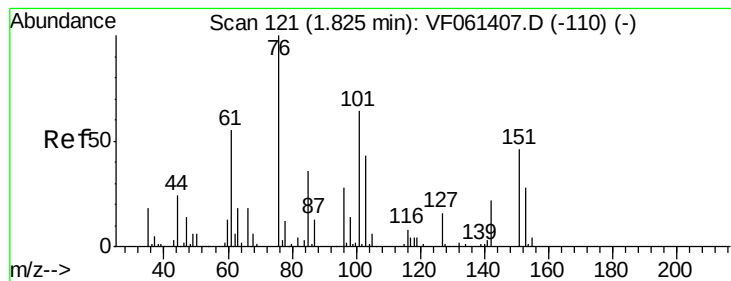
Tgt Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

58 16.9 13.3 19.9





#17

Carbon Disulfide

Concen: 1.702 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.04 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

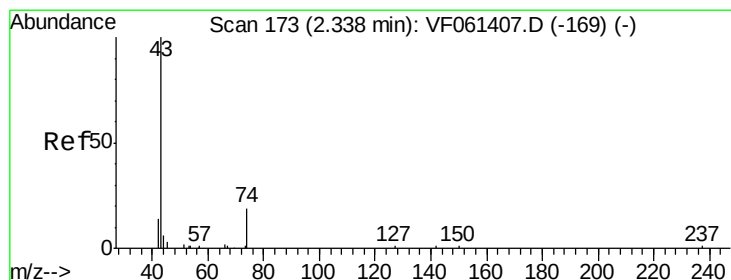
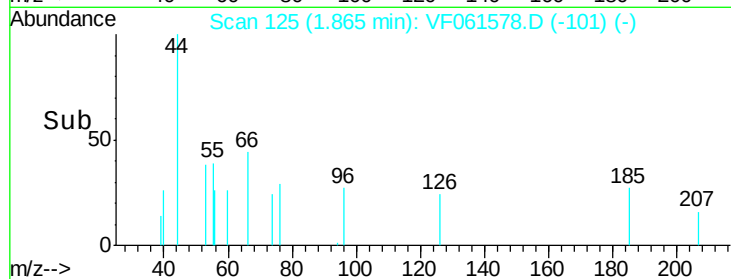
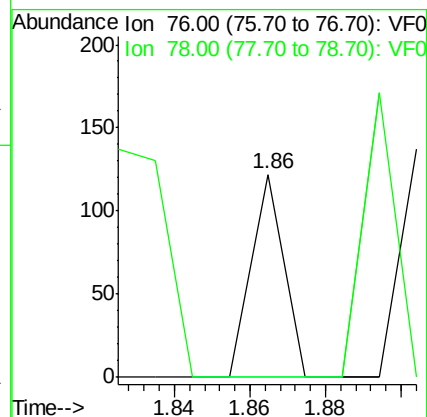
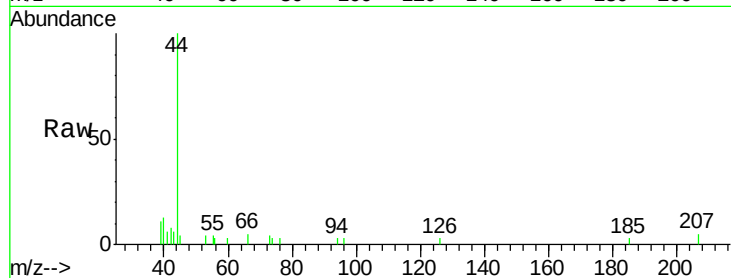
SB-05(8-9)RE

Tot Ion: 76 Resp: 72

Ion Ratio Lower Upper

76 100

78 0.0 9.6 14.4#



#18

Methyl Acetate

Concen: 33.508 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF061578.D

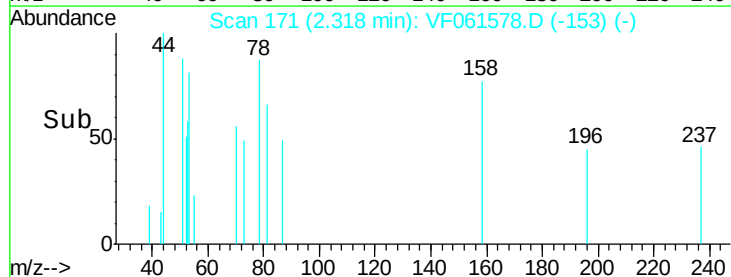
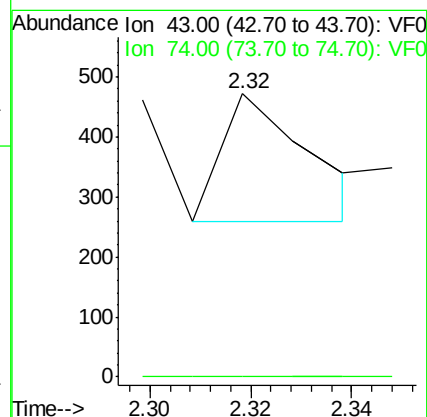
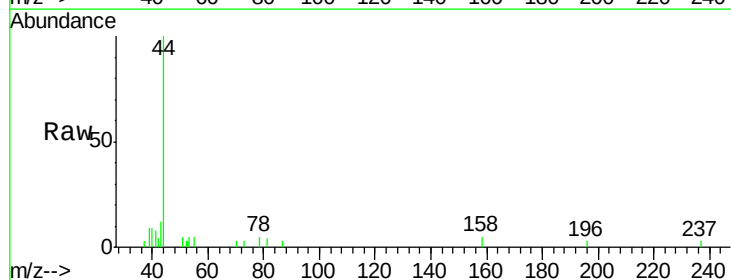
Acq: 9 Feb 2019 00:58

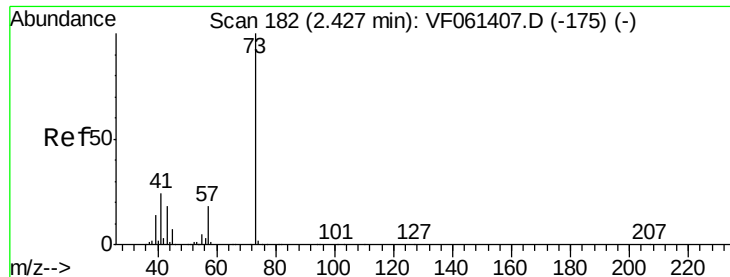
Tgt Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

74 0.0 13.4 20.0#

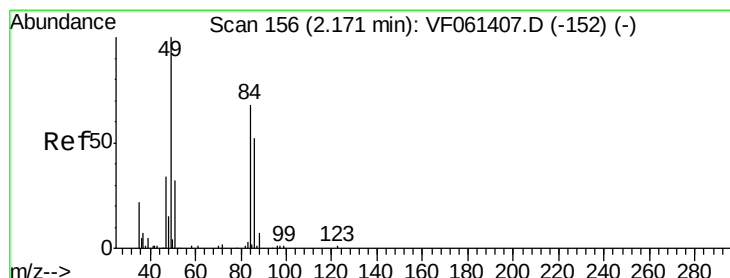
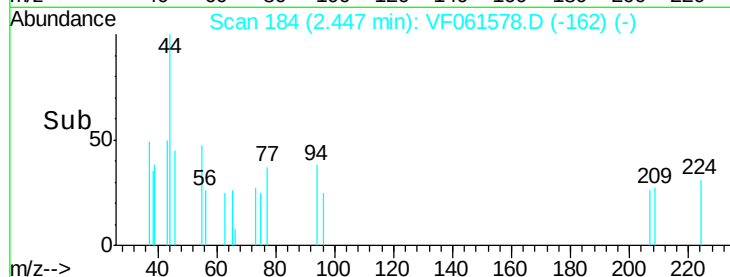
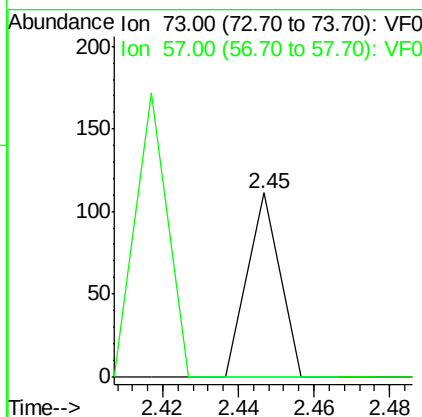
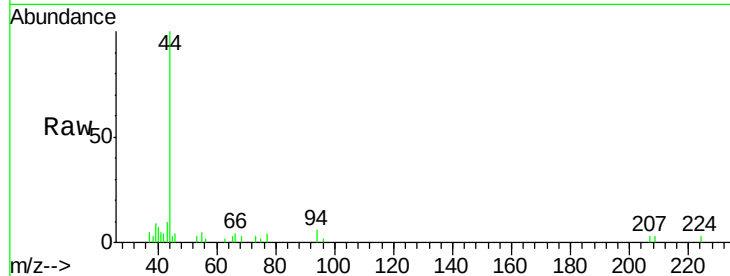




#19
Methyl tert-butyl Ether
Concen: 2.171 ug/l
RT: 2.45 min Scan# 184
Delta R.T. 0.02 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

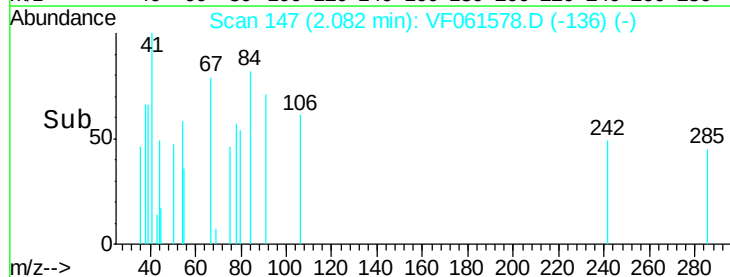
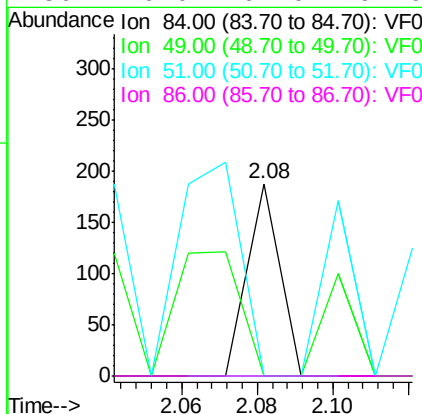
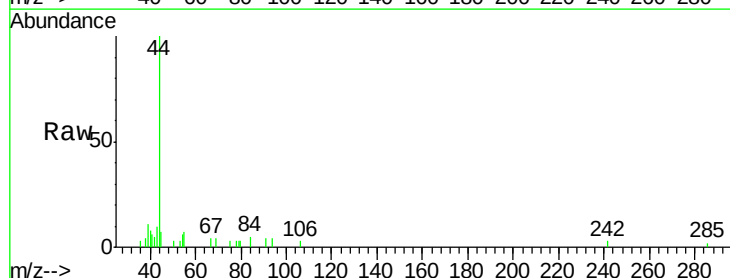
Instrument :
MSVOA_F
ClientSampleId :
SB-05(8-9)RE

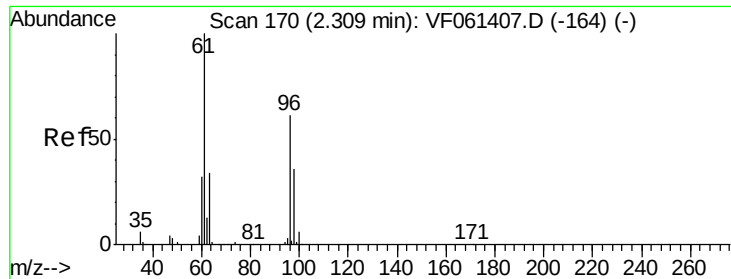
Tot Ion: 73 Resp: 66
Ion Ratio Lower Upper
73 100
57 0.0 14.8 22.2#



#20
Methylene Chloride
Concen: 7.151 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.09 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

Tgt Ion: 84 Resp: 111
Ion Ratio Lower Upper
84 100
49 0.0 120.0 180.0#
51 0.0 38.6 58.0#
86 0.0 61.0 91.6#





#21

trans-1,2-Dichloroethene

Concen: 4.557 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.05 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

SB-05(8-9)RE

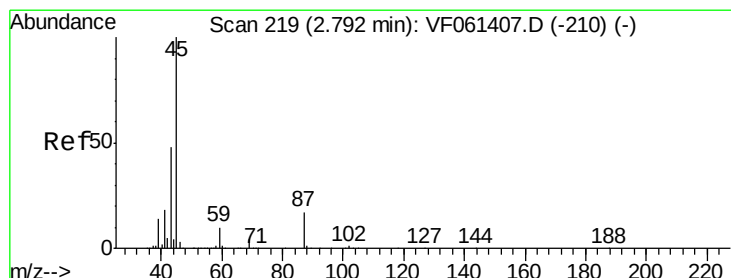
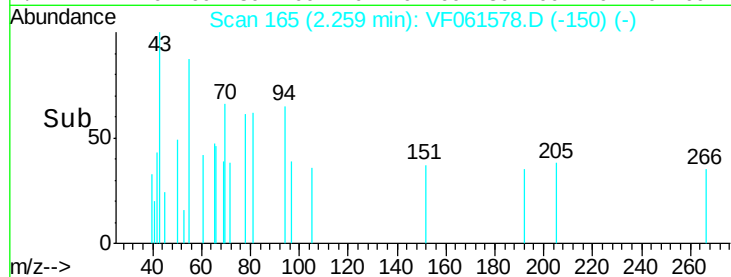
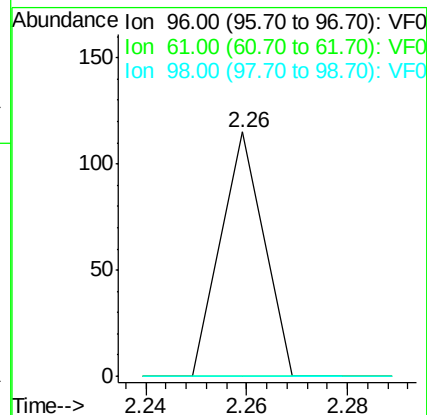
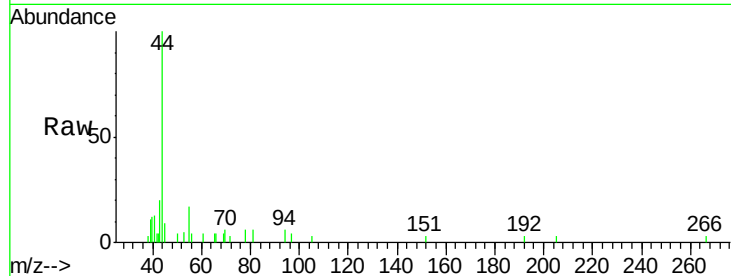
Tot Ion: 96 Resp: 68

Ion Ratio Lower Upper

96 100

61 0.0 131.8 197.8#

98 0.0 47.4 71.0#



#22

Diisopropyl ether

Concen: 8.888 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.03 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Tgt Ion: 45 Resp: 429

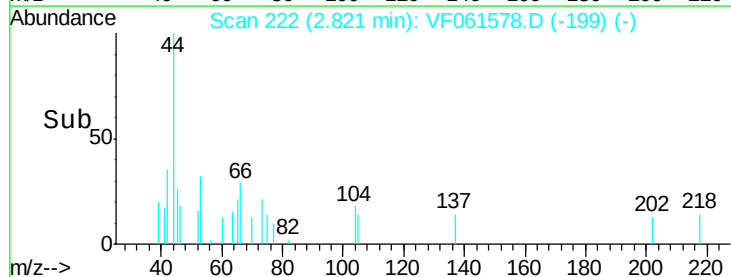
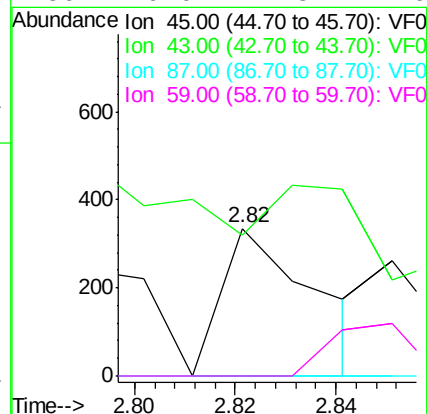
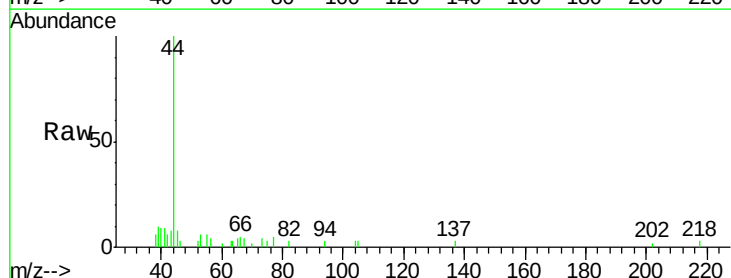
Ion Ratio Lower Upper

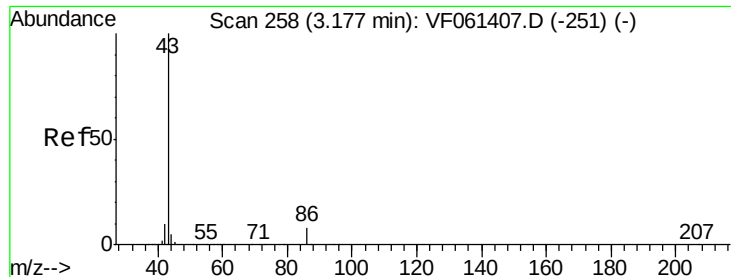
45 100

43 95.8 39.0 58.6#

87 0.0 13.9 20.9#

59 0.0 7.8 11.6#





#23

Vinyl Acetate

Concen: 12.633 ug/l

RT: 3.16 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

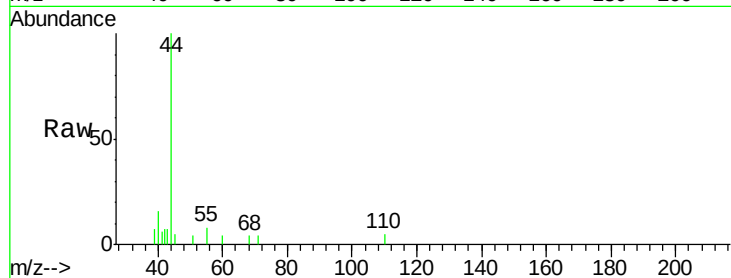
SB-05(8-9)RE

Tot Ion: 43 Resp: 203

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

3.16

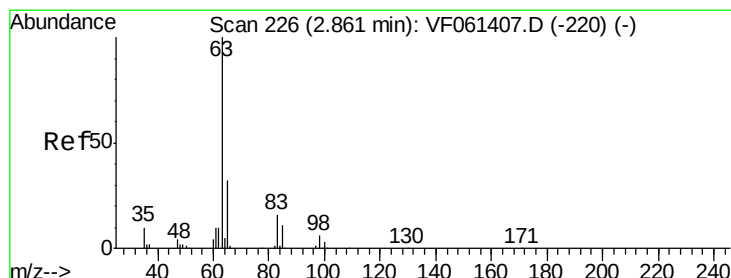
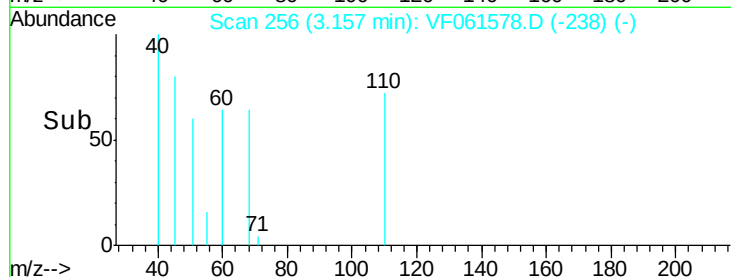
150

100

50

0

Time--> 3.12 3.14 3.16 3.18



#24

1,1-Dichloroethane

Concen: 2.971 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.04 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

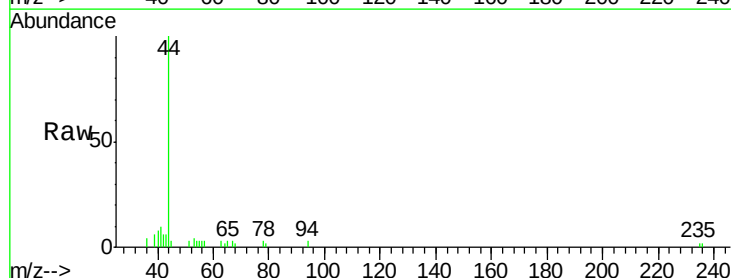
Tgt Ion: 63 Resp: 90

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

2.90

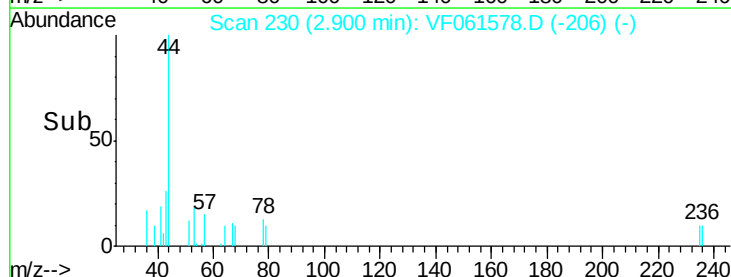
150

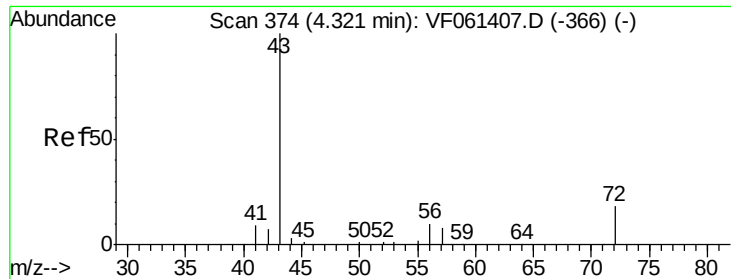
100

50

0

Time--> 2.88 2.90 2.92





#25

2-Butanone

Concen: 68.458 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

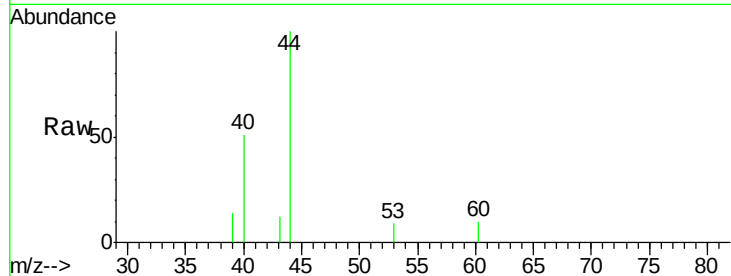
SB-05(8-9)RE

Tot Ion: 43 Resp: 430

Ion Ratio Lower Upper

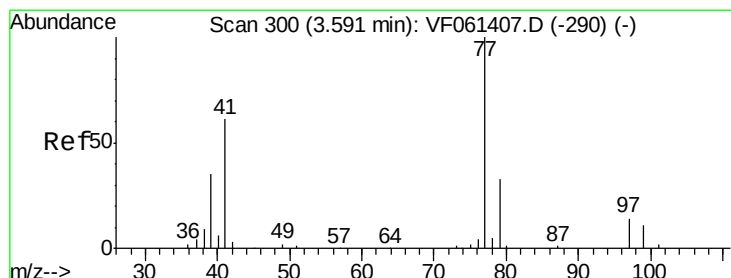
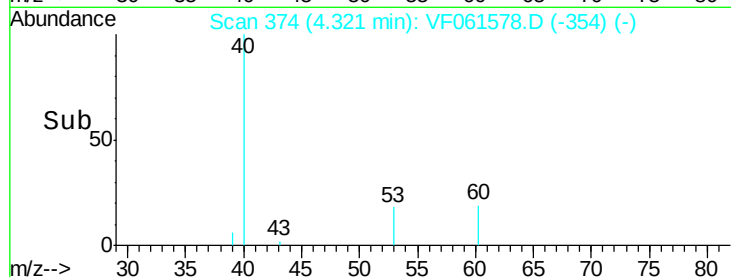
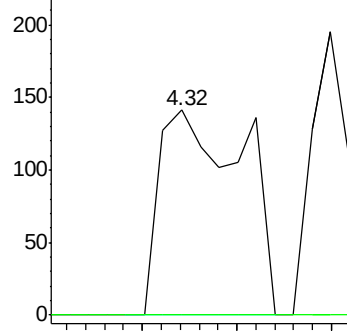
43 100

72 0.0 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 3.976 ug/l

RT: 3.63 min Scan# 304

Delta R.T. 0.04 min

Lab File: VF061578.D

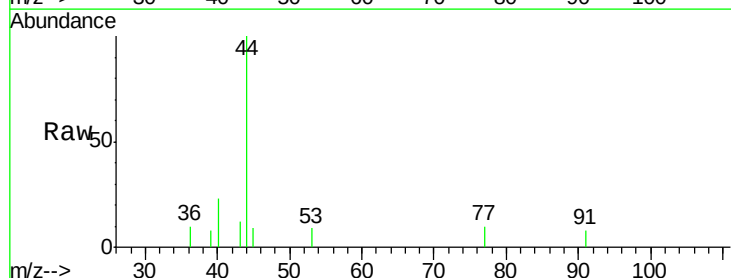
Acq: 9 Feb 2019 00:58

Tgt Ion: 77 Resp: 74

Ion Ratio Lower Upper

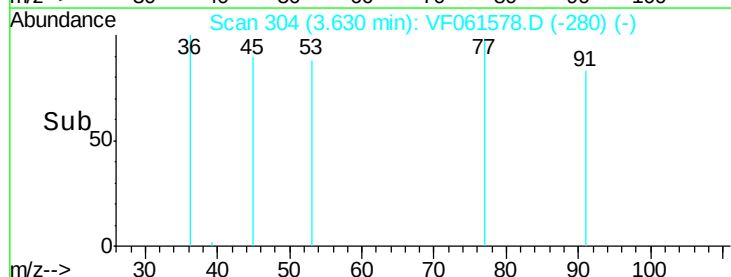
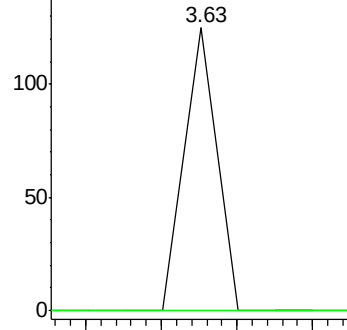
77 100

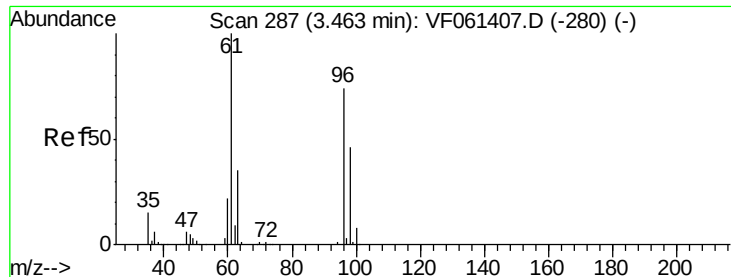
97 0.0 8.5 25.5#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



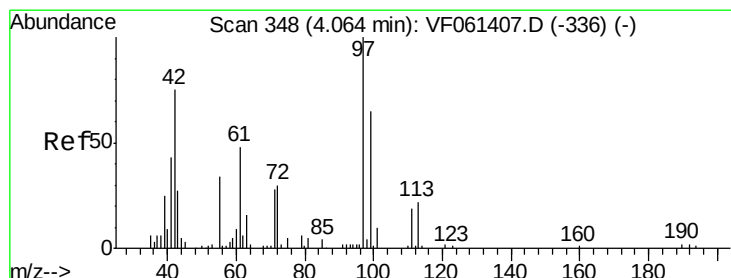
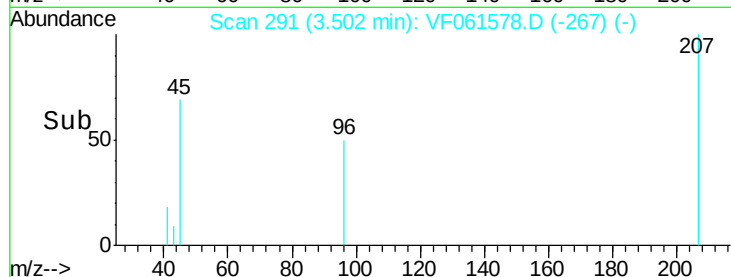
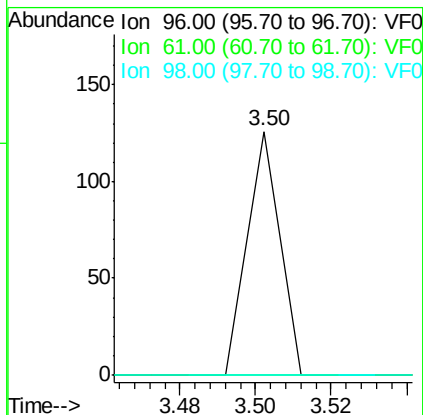
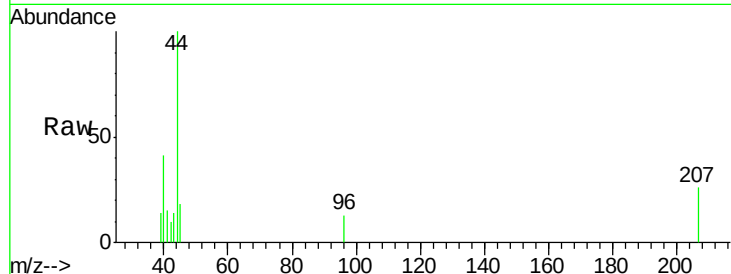


#27

cis-1,2-Dichloroethene
 Concen: 3.405 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. 0.04 min
 Lab File: VF061578.D
 Acq: 9 Feb 2019 00:58

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-05(8-9)RE

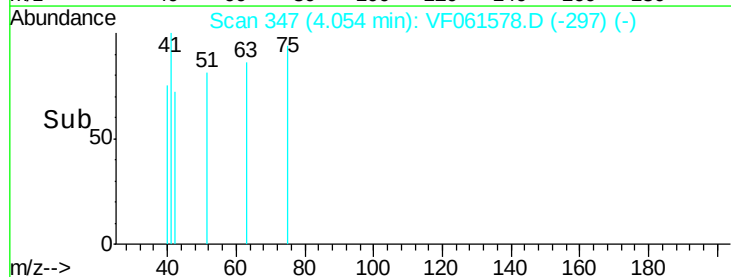
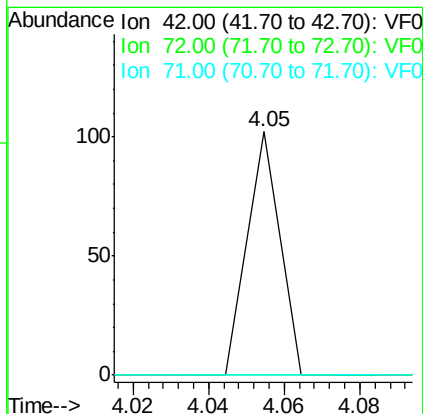
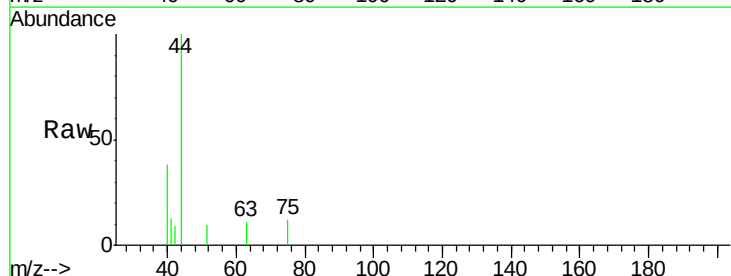
Tot Ion:	96	Resp:	75
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	270.2
98	0.0	0.0	124.0

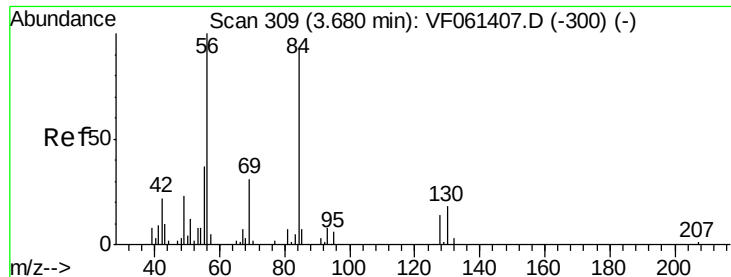


#29

Tetrahydrofuran
 Concen: 22.184 ug/l
 RT: 4.05 min Scan# 347
 Delta R.T. -0.01 min
 Lab File: VF061578.D
 Acq: 9 Feb 2019 00:58

Tgt Ion:	42	Resp:	60
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.9	43.3#
71	0.0	29.6	44.4#





#31

Cvclohexane

Concen: 2.082 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.06 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

SB-05(8-9)RE

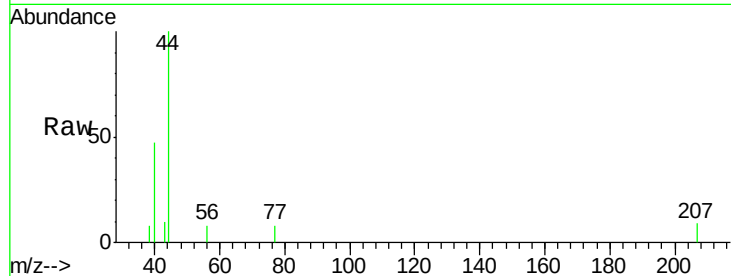
Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

69 0.0 24.6 36.8#

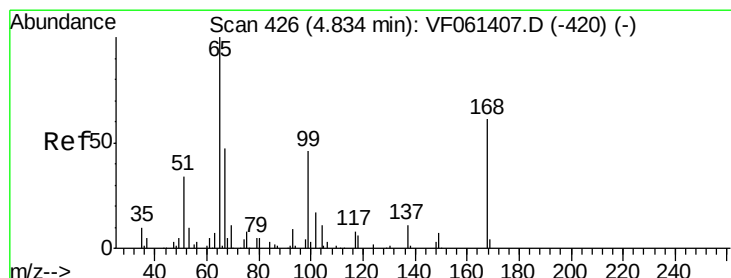
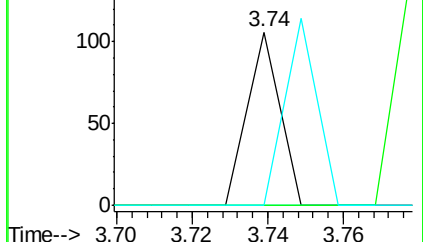
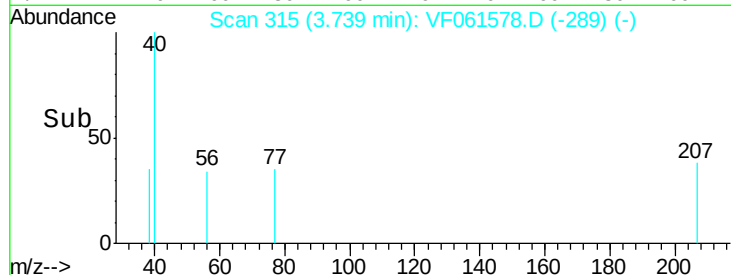
84 0.0 74.2 111.2#



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: 5.046 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.01 min

Lab File: VF061578.D

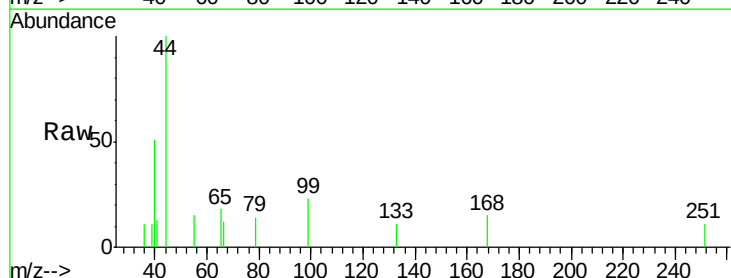
Acq: 9 Feb 2019 00:58

Tgt Ion: 65 Resp: 95

Ion Ratio Lower Upper

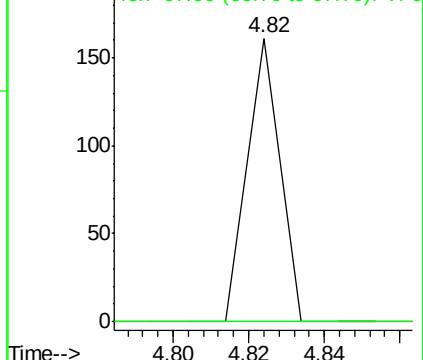
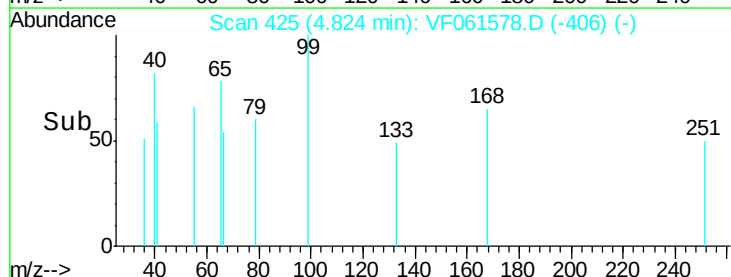
65 100

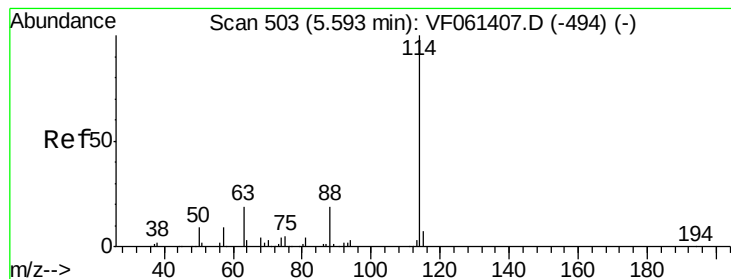
67 0.0 0.0 99.8



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: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

SB-05(8-9)RE

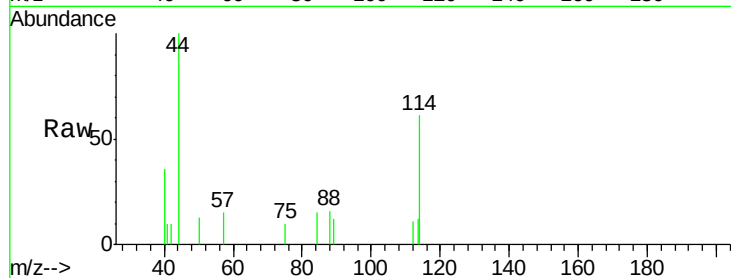
Tot Ion:114 Resp: 1735

Ion Ratio Lower Upper

114 100

63 0.0 0.0 39.0

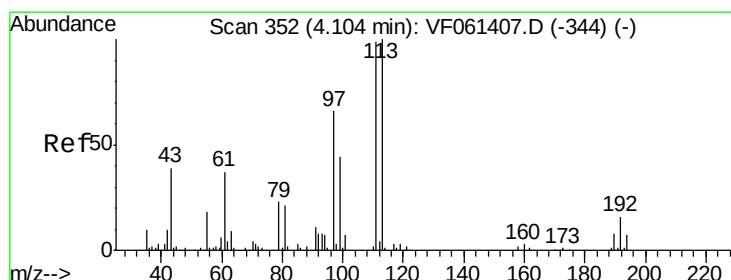
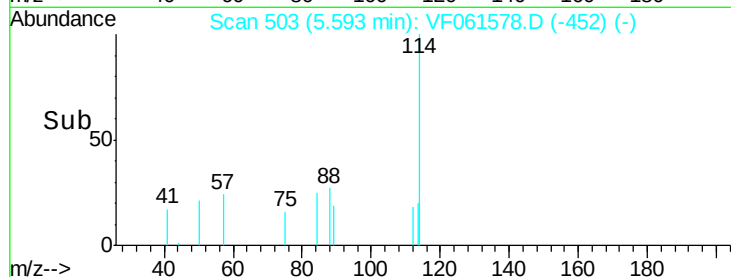
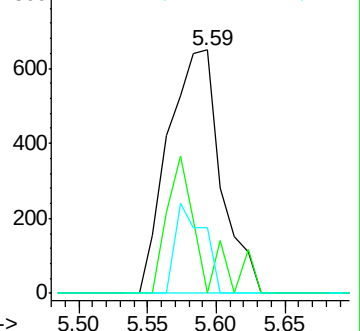
88 27.0 0.0 37.4



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: 38.786 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

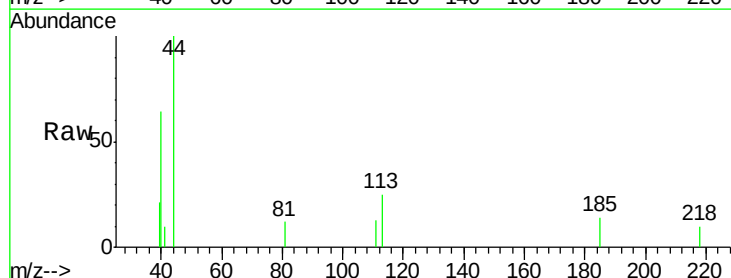
Tgt Ion:113 Resp: 531

Ion Ratio Lower Upper

113 100

111 49.1 79.4 119.0#

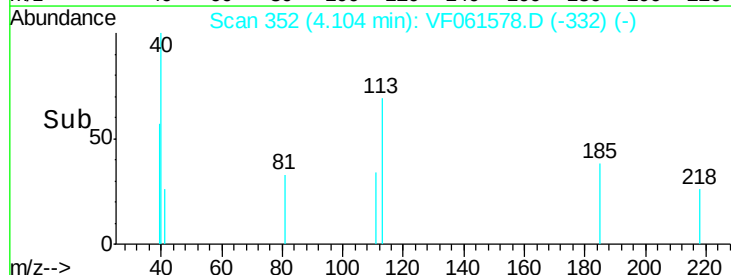
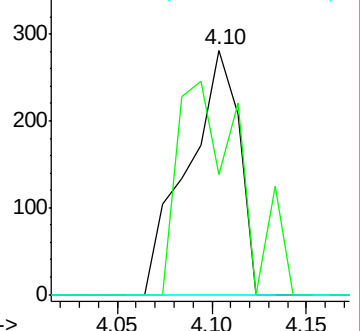
192 0.0 12.4 18.6#

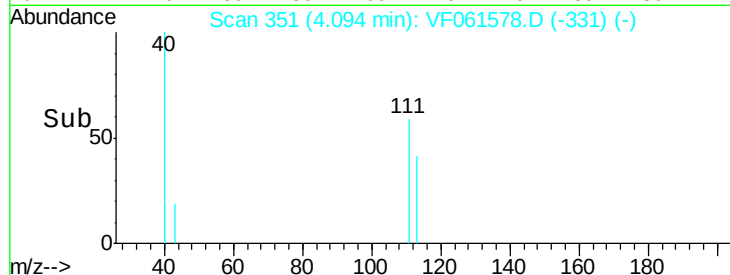
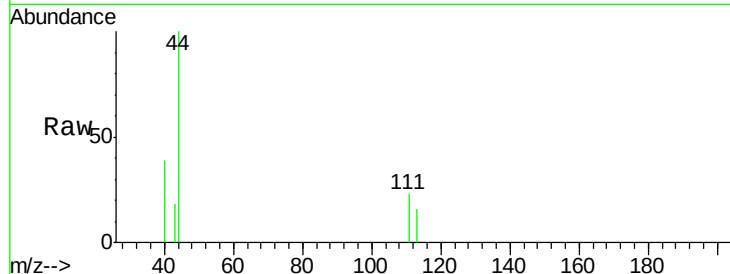
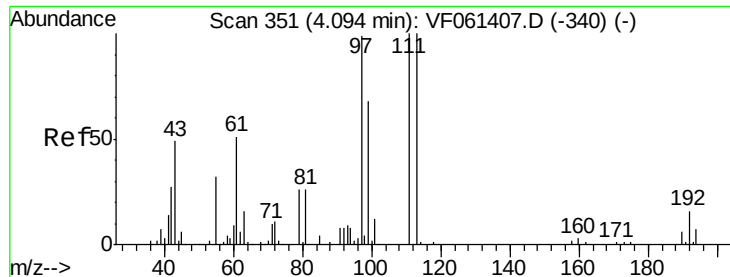


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

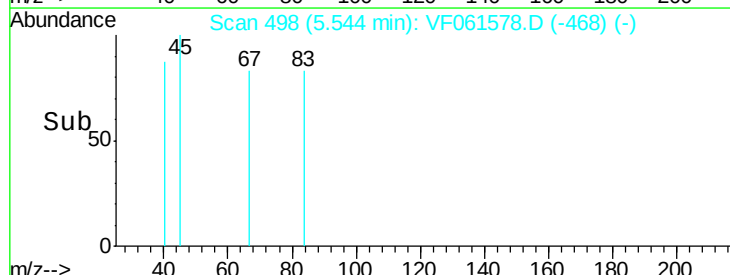
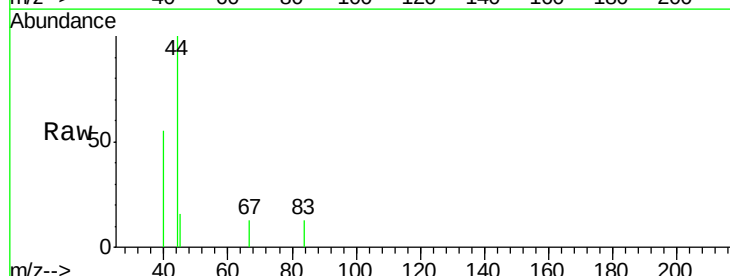
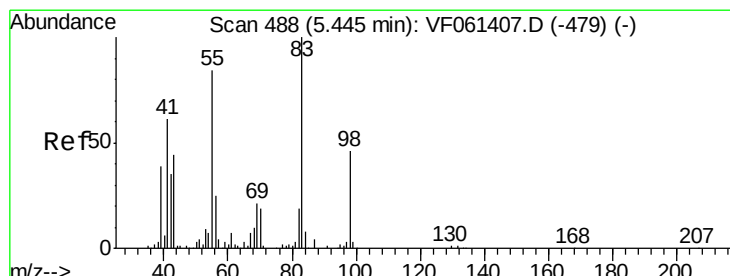
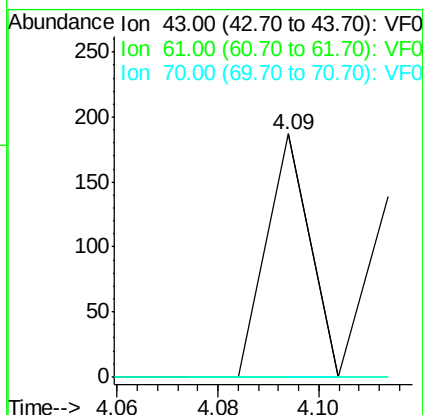




#37
Ethyl Acetate
Concen: 13.804 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

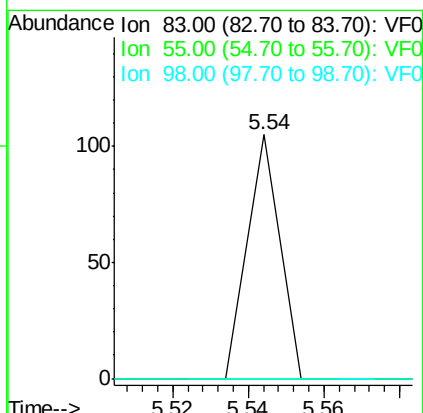
Instrument :
MSVOA_F
ClientSampleId :
SB-05(8-9)RE

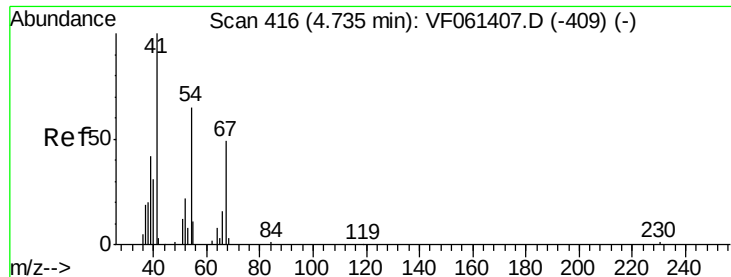
Tot Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
61 0.0 81.7 122.5#
70 0.0 6.2 9.2#



#39
Methylcyclohexane
Concen: 2.844 ug/l
RT: 5.54 min Scan# 498
Delta R.T. 0.10 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

Tgt Ion: 83 Resp: 62
Ion Ratio Lower Upper
83 100
55 0.0 67.4 101.2#
98 0.0 36.7 55.1#

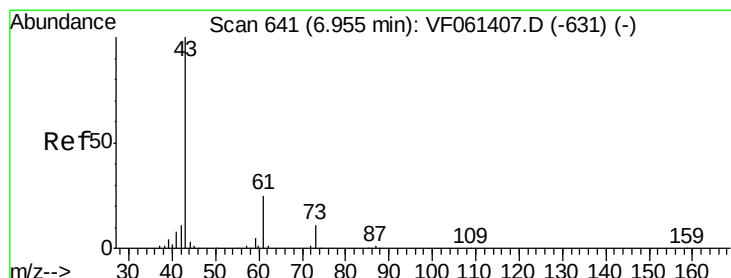
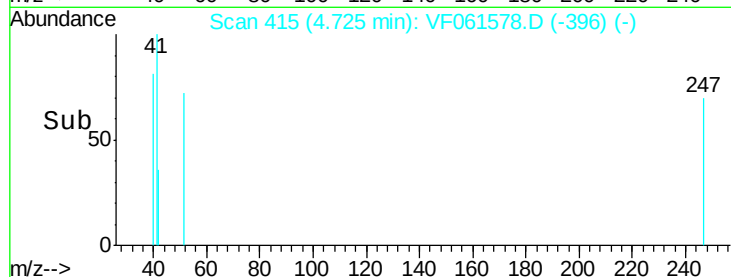
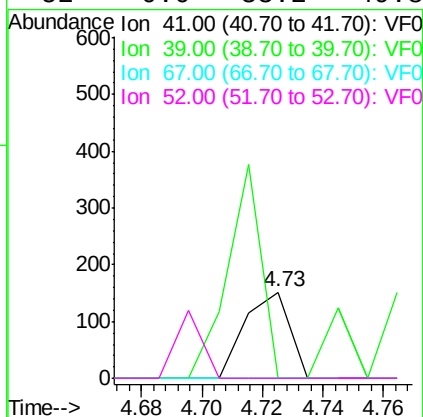
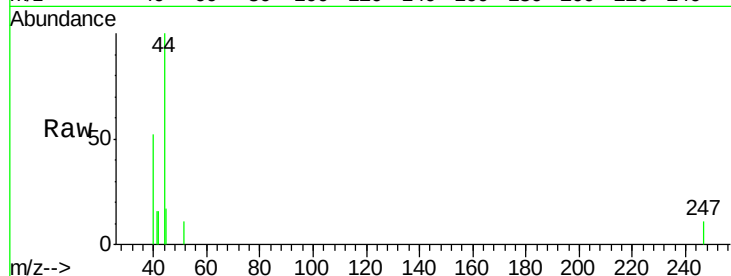




#41
Methacrylonitrile
Concen: 37.160 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.01 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

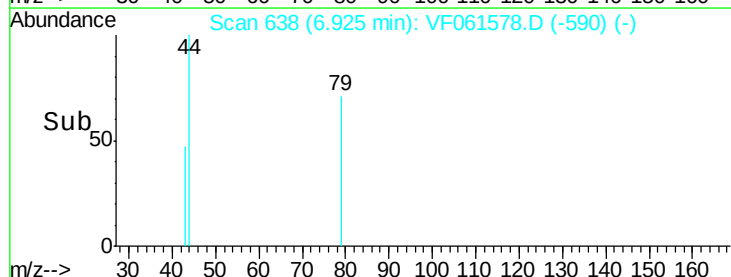
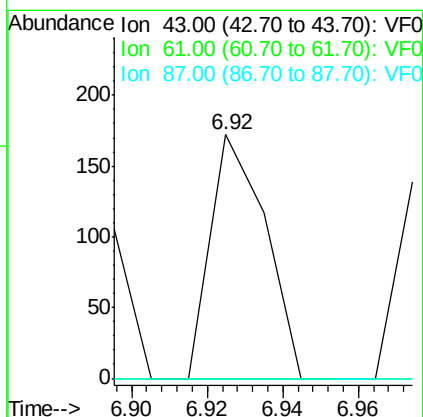
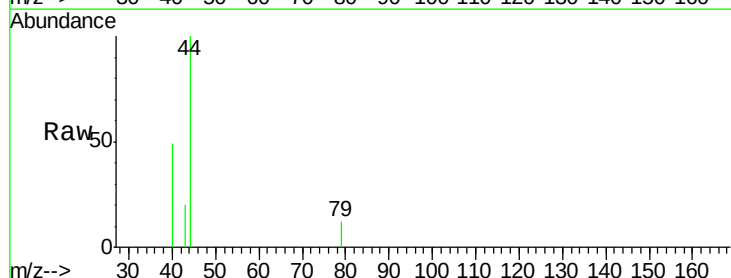
Instrument :
MSVOA_F
ClientSampleId :
SB-05(8-9)RE

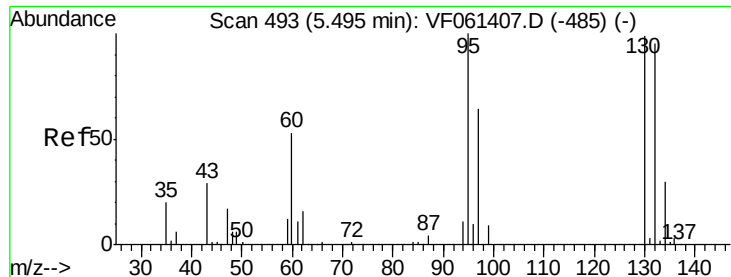
Tot Ion:	41	Resp:	159
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



#43
Isopropyl Acetate
Concen: 16.944 ug/l
RT: 6.92 min Scan# 638
Delta R.T. -0.03 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

Tgt Ion:	43	Resp:	171
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.3	30.5#
87	0.0	0.5	0.7#





#44

Trichloroethene

Concen: 5.826 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.12 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

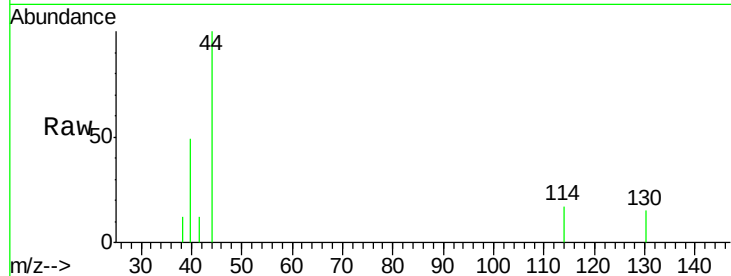
SB-05(8-9)RE

Tot Ion:130 Resp: 80

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

5.61

150

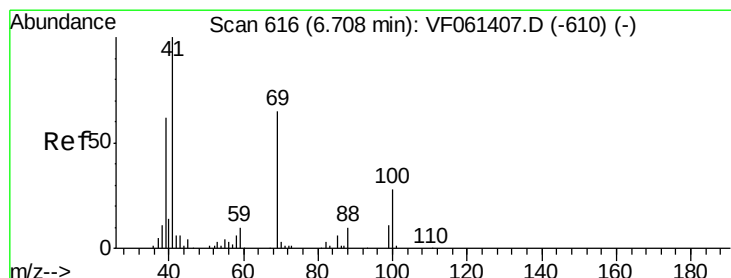
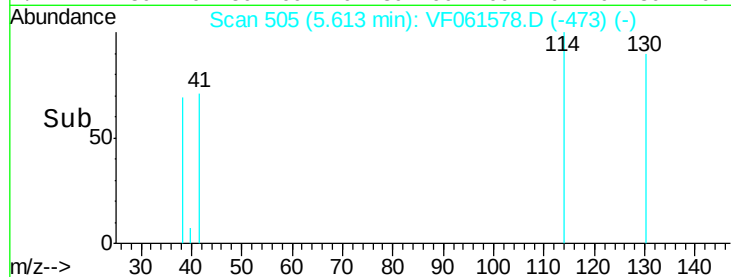
100

50

0

5.58 5.60 5.62 5.64

Time-->



#48

Methyl methacrylate

Concen: 25.085 ug/l

RT: 6.68 min Scan# 613

Delta R.T. -0.03 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

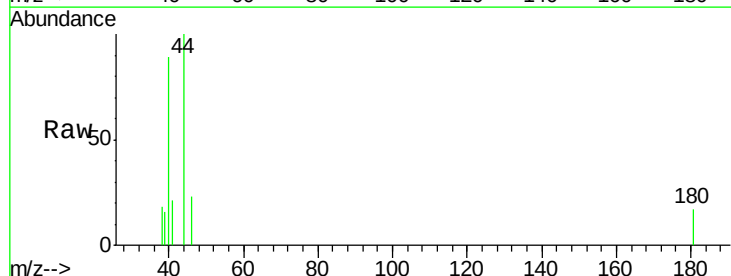
Tgt Ion: 41 Resp: 170

Ion Ratio Lower Upper

41 100

69 0.0 51.7 77.5#

39 77.2 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

200

150

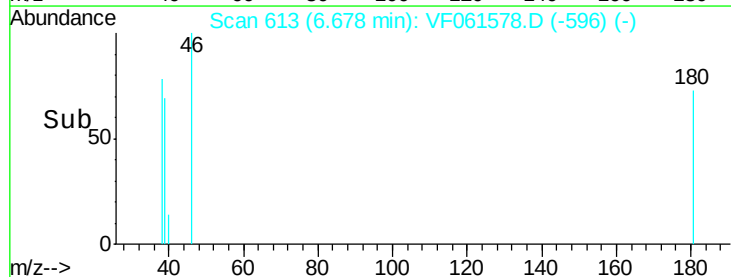
100

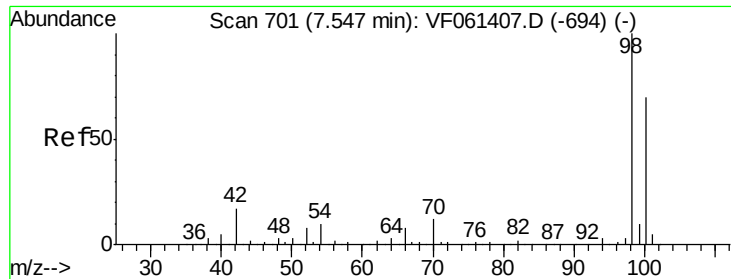
50

0

6.64 6.66 6.68 6.70

Time-->





#50

Toluene-d8

Concen: 50.280 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

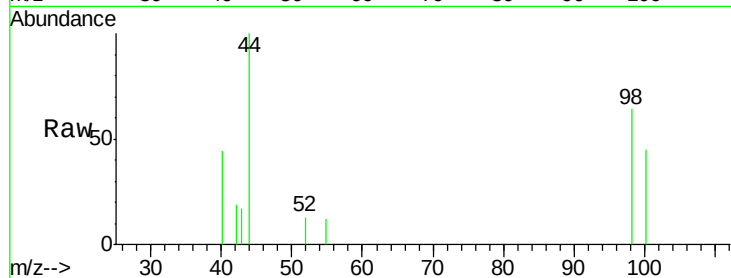
SB-05(8-9)RE

Tot Ion: 98 Resp: 1886

Ion Ratio Lower Upper

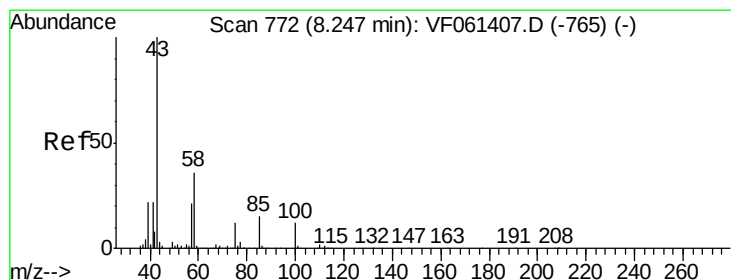
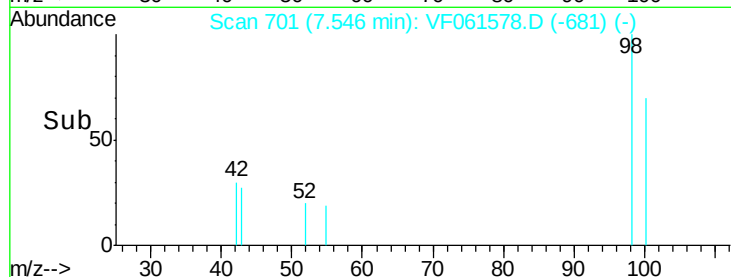
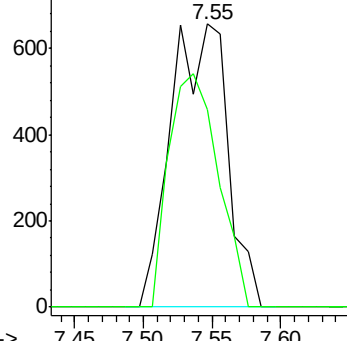
98 100

100 69.7 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 53.373 ug/l

RT: 8.23 min Scan# 770

Delta R.T. -0.02 min

Lab File: VF061578.D

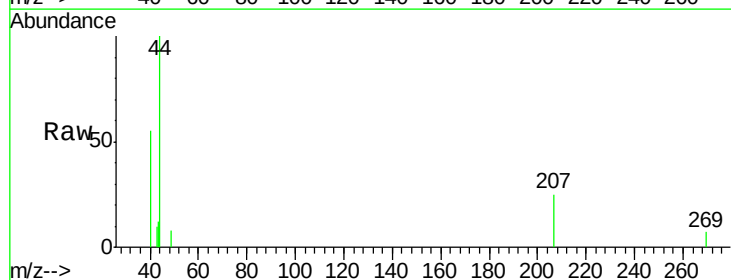
Acq: 9 Feb 2019 00:58

Tgt Ion: 43 Resp: 396

Ion Ratio Lower Upper

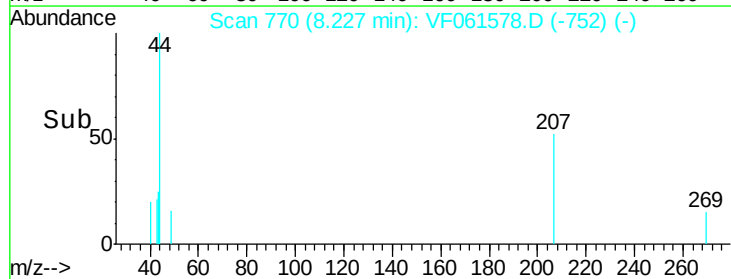
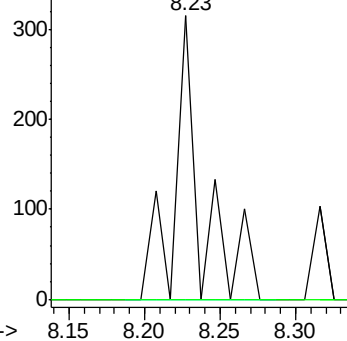
43 100

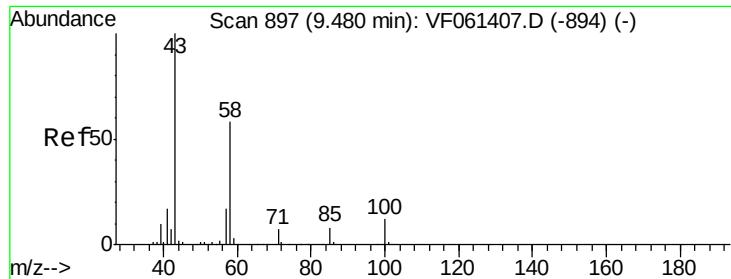
58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#59

2-Hexanone

Concen: 32.472 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.00 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

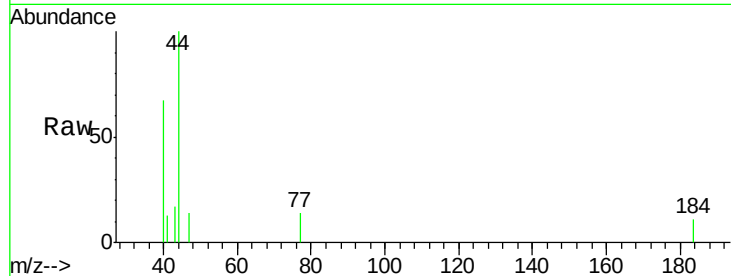
SB-05(8-9)RE

Tot Ion: 43 Resp: 168

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

9.48

150

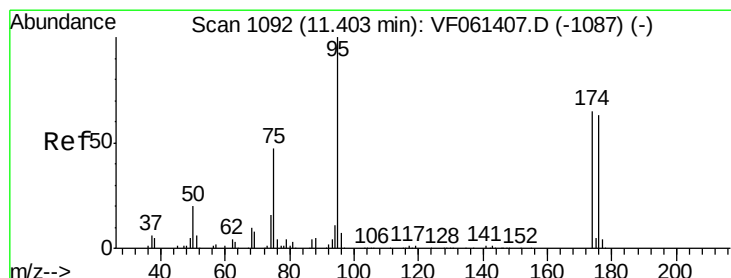
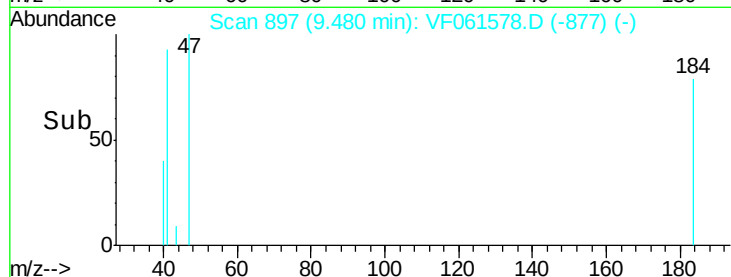
100

50

0

9.46 9.48 9.50

Time-->



#62

4-Bromofluorobenzene

Concen: 15.007 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

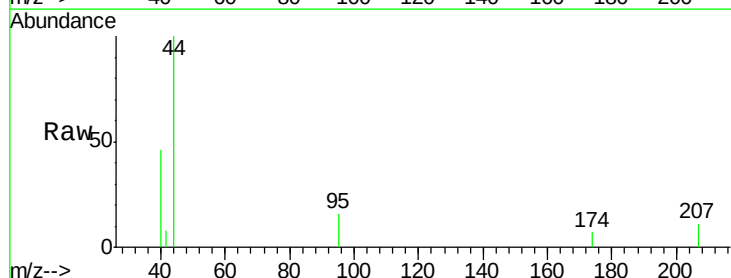
Tgt Ion: 95 Resp: 263

Ion Ratio Lower Upper

95 100

174 43.7 0.0 130.4

176 0.0 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

500

400

300

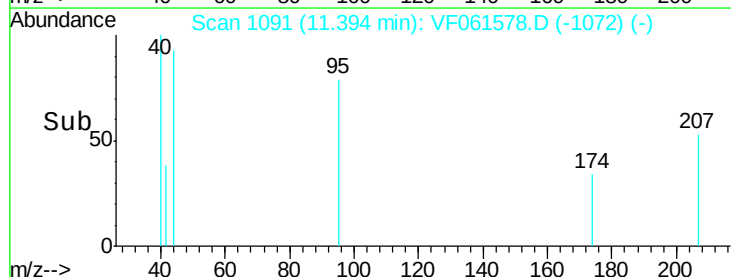
200

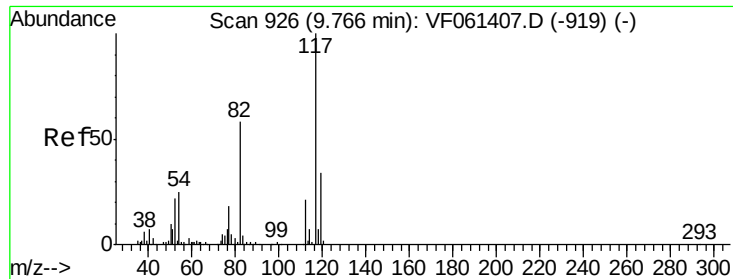
100

0

11.35 11.40

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

SB-05(8-9)RE

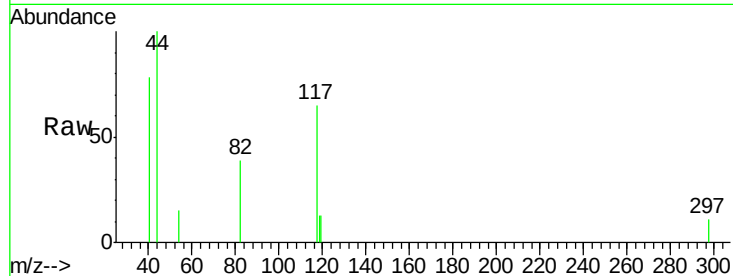
Tot Ion:117 Resp: 1289

Ion Ratio Lower Upper

117 100

82 60.3 46.4 69.6

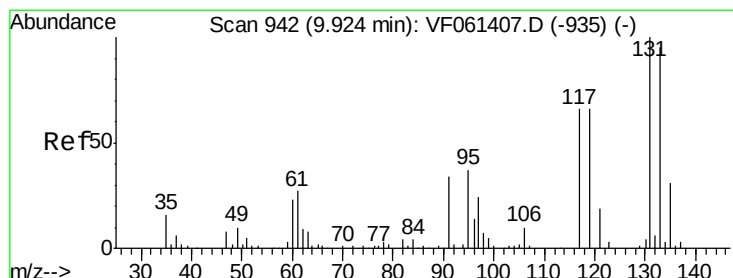
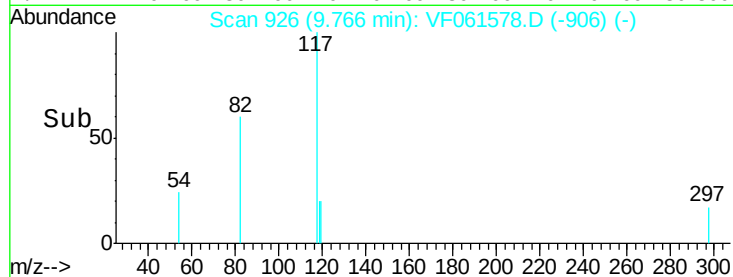
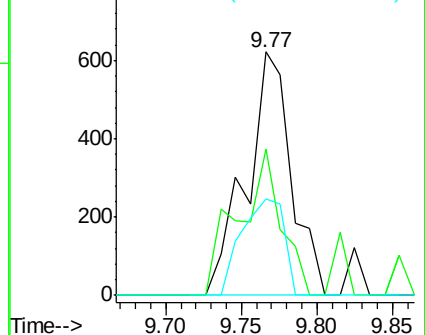
119 39.7 27.2 40.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 6.704 ug/l

RT: 10.07 min Scan# 957

Delta R.T. 0.15 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

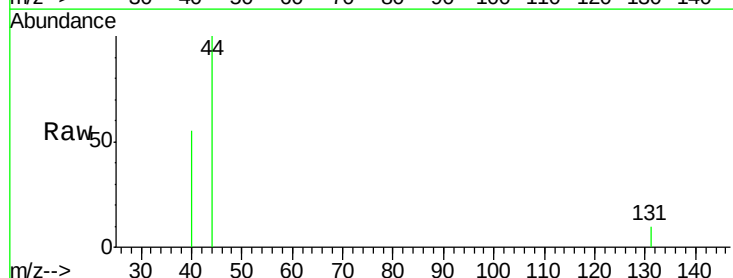
Tgt Ion:131 Resp: 70

Ion Ratio Lower Upper

131 100

133 0.0 47.4 142.2#

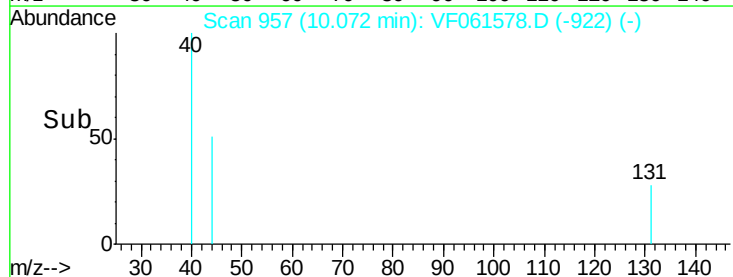
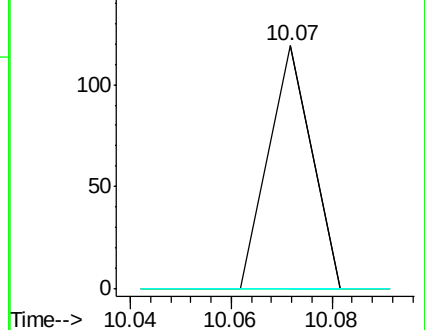
119 0.0 33.1 99.3#

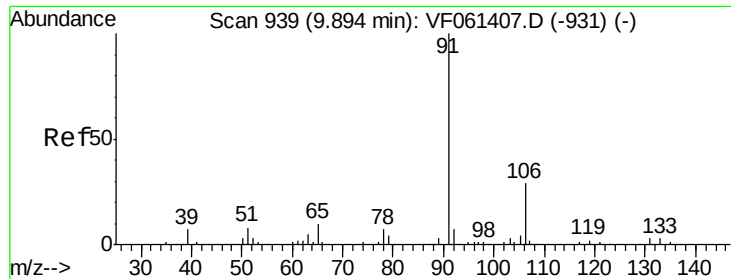


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

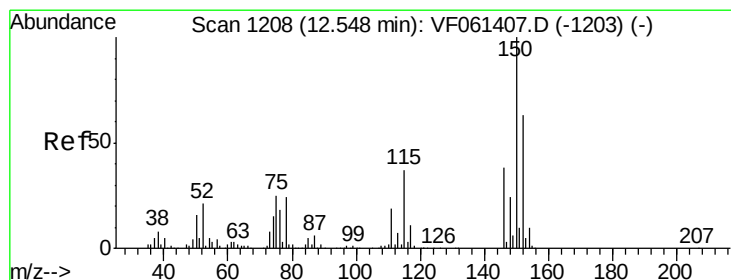
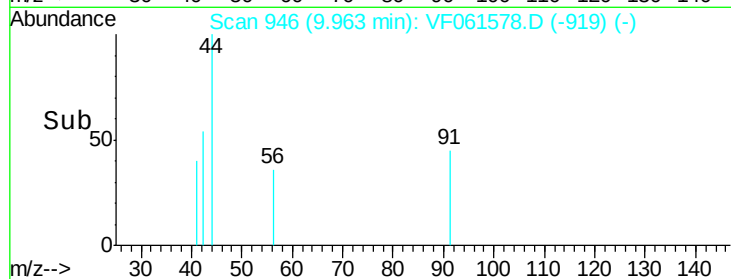
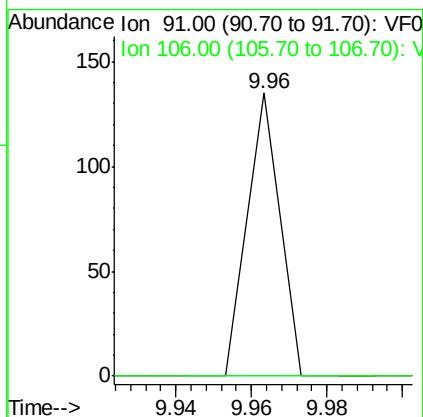
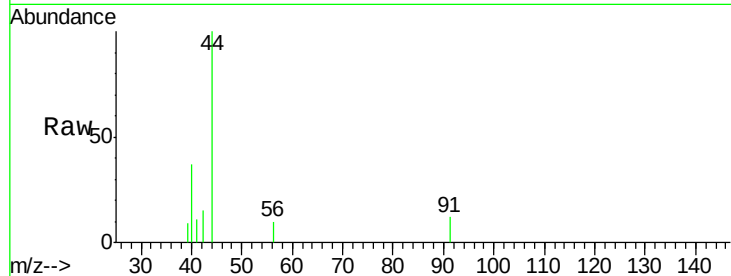




#67
Ethyl Benzene
Concen: 1.670 ug/l
RT: 9.96 min Scan# 946
Delta R.T. 0.07 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

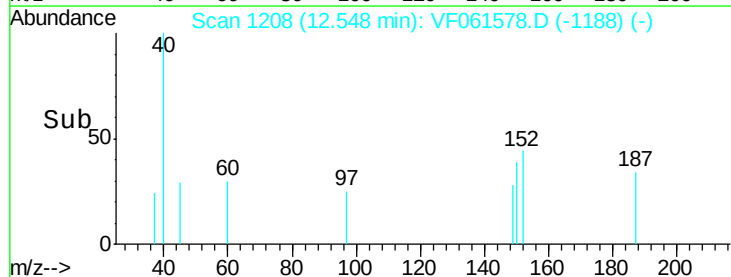
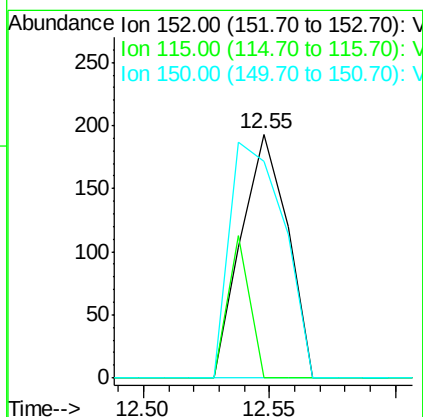
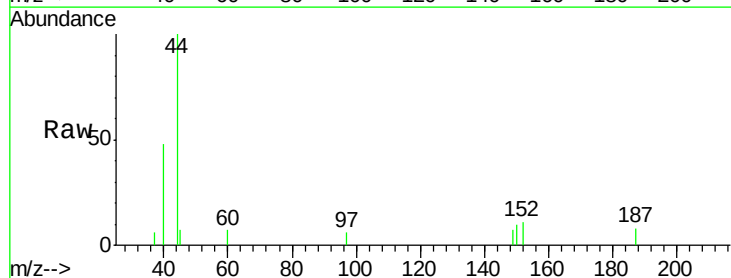
Instrument :
MSVOA_F
ClientSampleId :
SB-05(8-9)RE

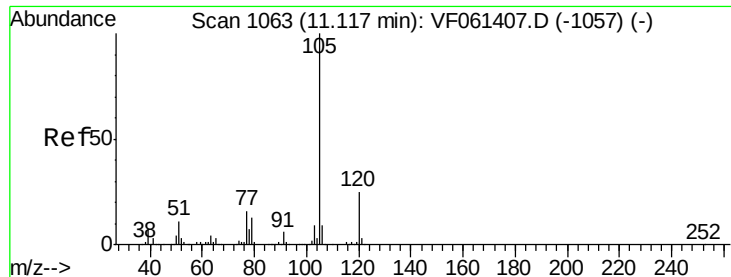
Tot Ion: 91 Resp: 80
Ion Ratio Lower Upper
91 100
106 0.0 23.1 34.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

Tgt Ion: 152 Resp: 247
Ion Ratio Lower Upper
152 100
115 0.0 30.0 90.0#
150 89.1 0.0 321.4





#73

Isopropylbenzene

Concen: 3.186 ug/l

RT: 11.01 min Scan# 1052

Delta R.T. -0.11 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

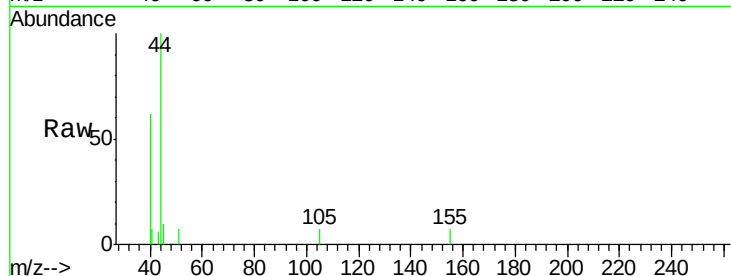
SB-05(8-9)RE

Tot Ion:105 Resp: 64

Ion Ratio Lower Upper

105 100

120 0.0 12.6 37.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

100

80

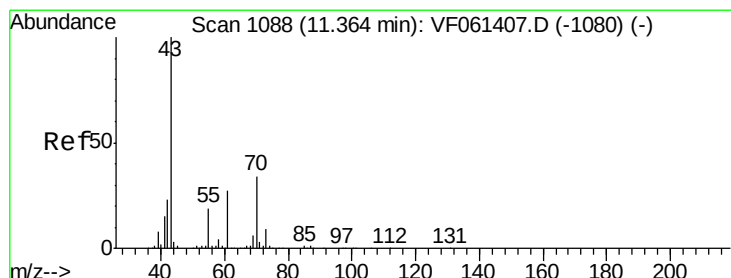
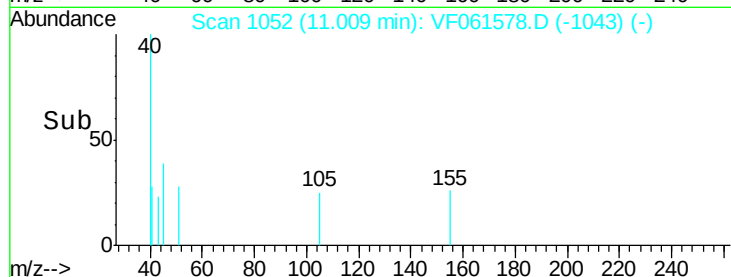
60

40

20

0

Time--> 10.98 11.00 11.02 11.04



#74

N-ethyl acetate

Concen: 15.578 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.04 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Tgt Ion: 43 Resp: 74

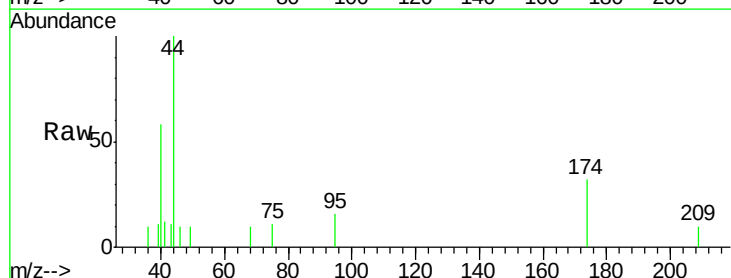
Ion Ratio Lower Upper

43 100

70 0.0 27.6 41.4#

55 0.0 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

11.40

100

80

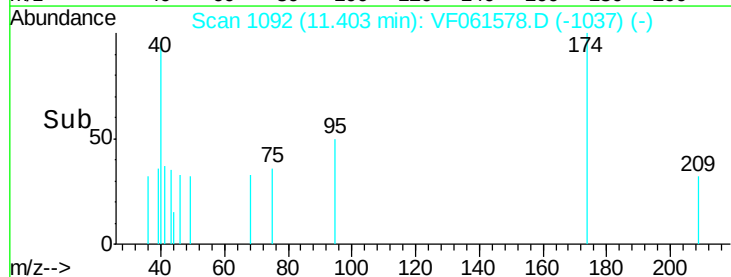
60

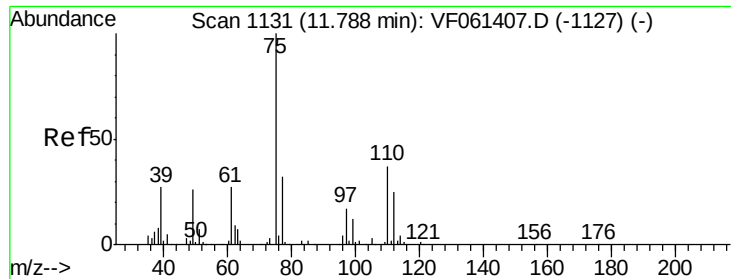
40

20

0

Time--> 11.38 11.40 11.42





#76

1,2,3-Trichloropropane

Concen: 30.332 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. 0.02 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampled :

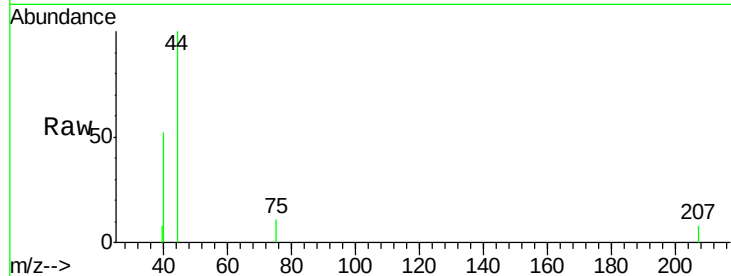
SB-05(8-9)RE

Tot Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

77 0.0 16.1 48.3#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

11.81

150

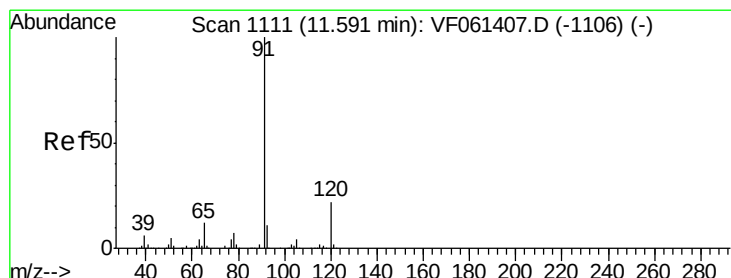
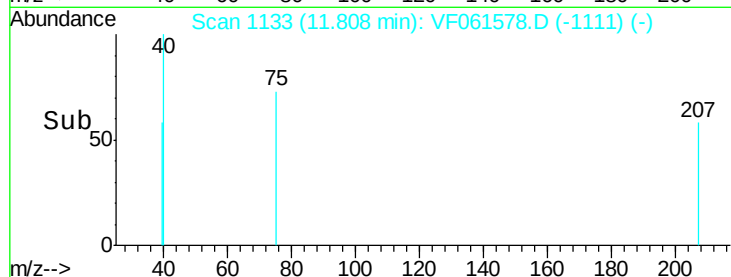
100

50

0

11.78 11.80 11.82 11.84

Time-->



#78

n-propylbenzene

Concen: 3.023 ug/l

RT: 11.55 min Scan# 1107

Delta R.T. -0.04 min

Lab File: VF061578.D

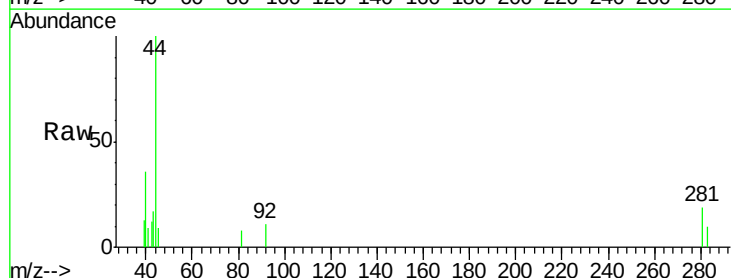
Acq: 9 Feb 2019 00:58

Tgt Ion: 91 Resp: 77

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

11.55

150

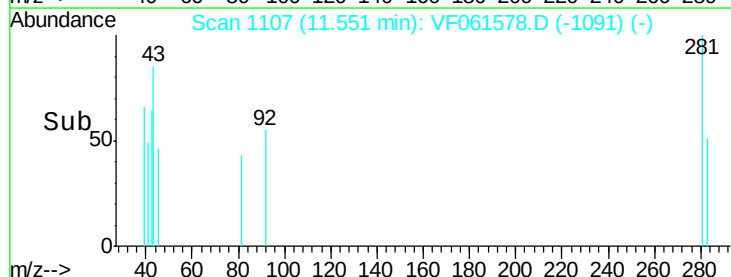
100

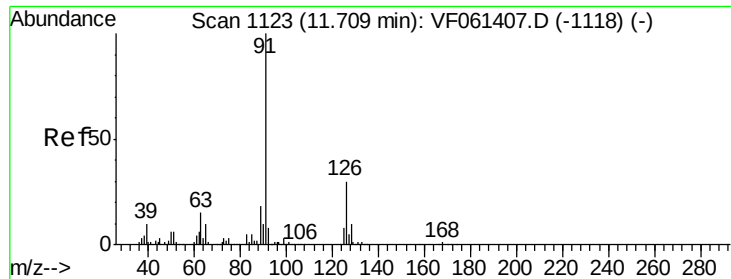
50

0

11.54 11.56 11.58

Time-->

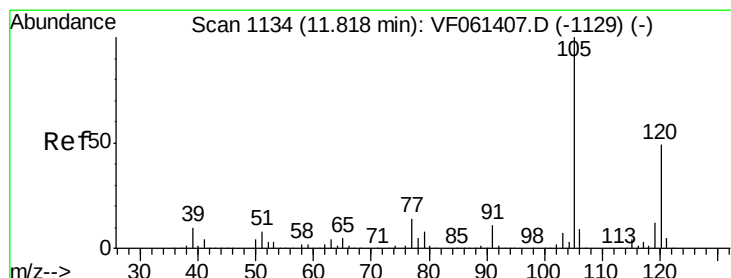
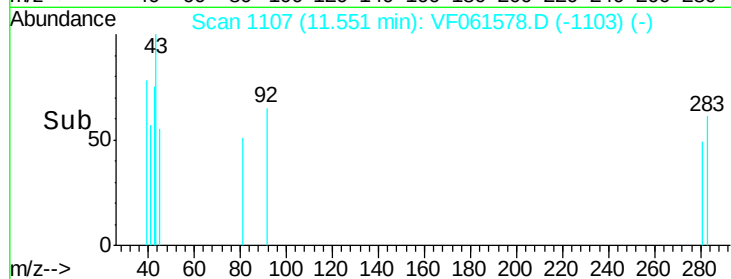
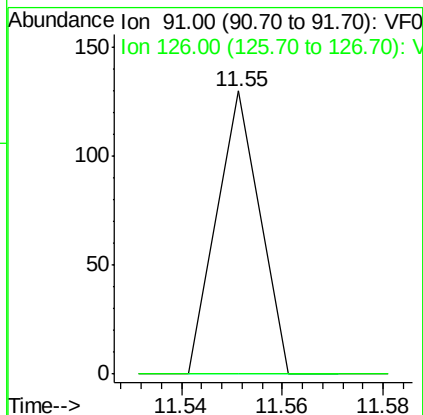
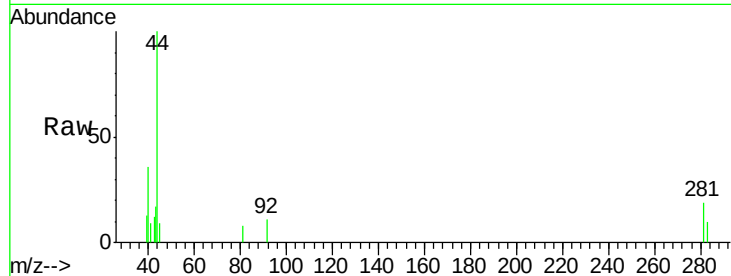




#79
 2-Chlorotoluene
 Concen: 5.524 ug/l
 RT: 11.55 min Scan# 1107
 Delta R.T. -0.16 min
 Lab File: VF061578.D
 Acq: 9 Feb 2019 00:58

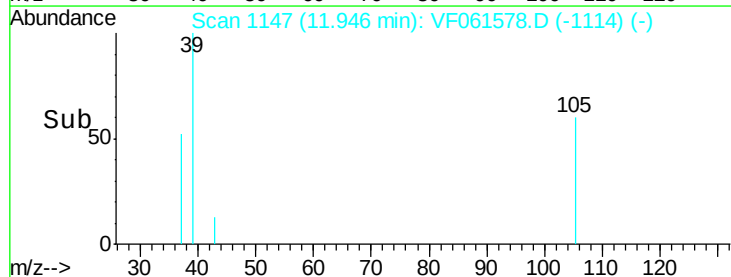
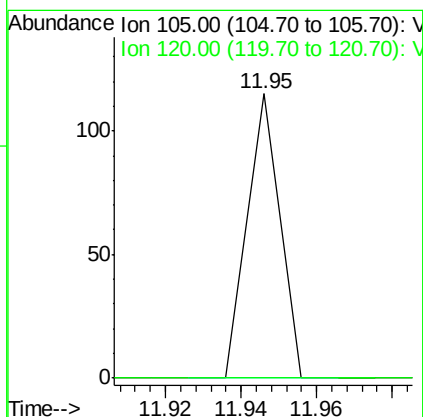
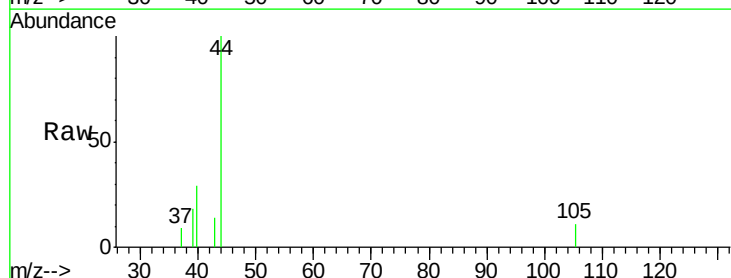
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-05(8-9)RE

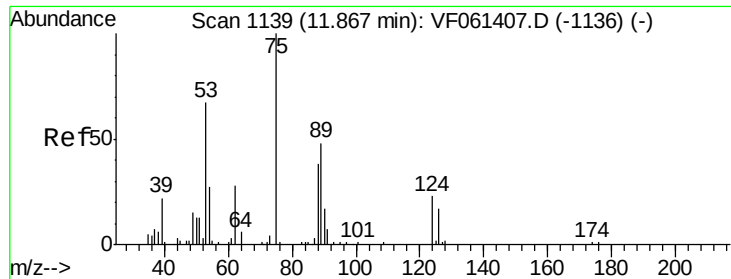
Tot Ion: 91 Resp: 77
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.0 45.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.194 ug/l
 RT: 11.95 min Scan# 1147
 Delta R.T. 0.13 min
 Lab File: VF061578.D
 Acq: 9 Feb 2019 00:58

Tgt Ion: 105 Resp: 68
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.7 74.1#

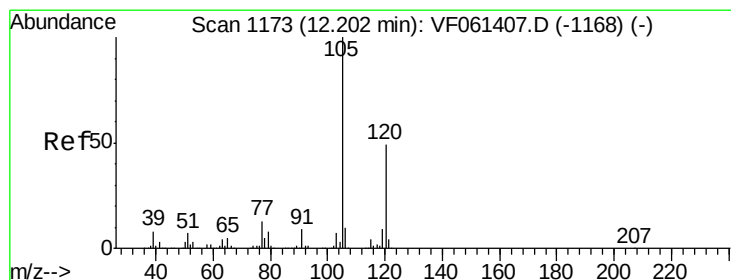
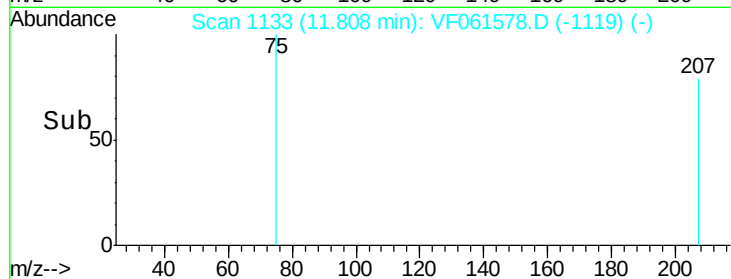
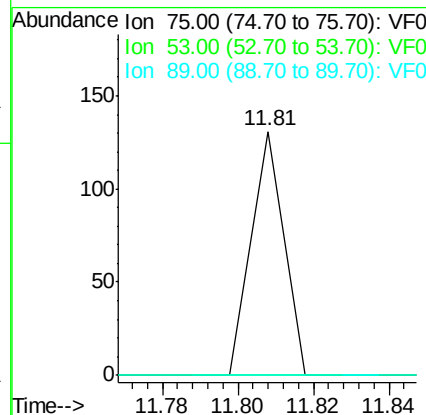
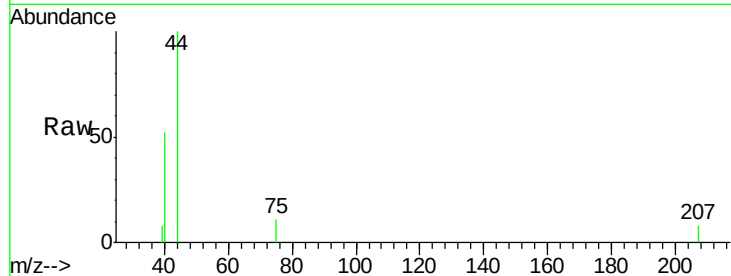




#81
trans-1,4-Dichloro-2-butene
Concen: 69.776 ug/l
RT: 11.81 min Scan# 1133
Delta R.T. -0.06 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

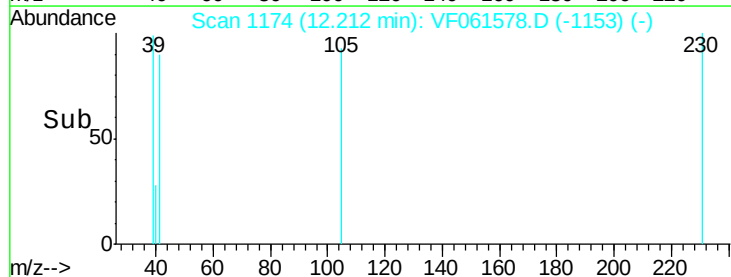
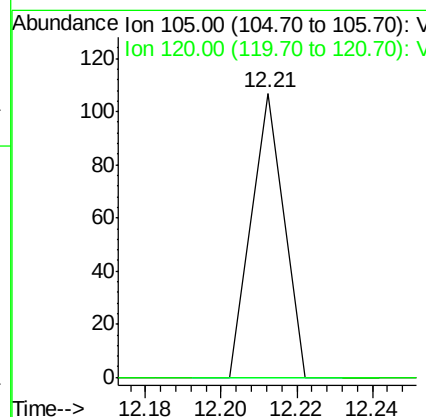
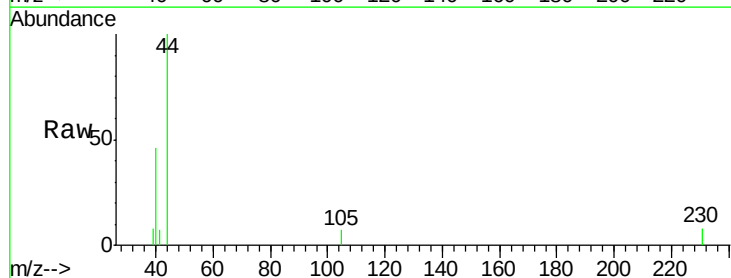
Instrument :
MSVOA_F
ClientSampleId :
SB-05(8-9)RE

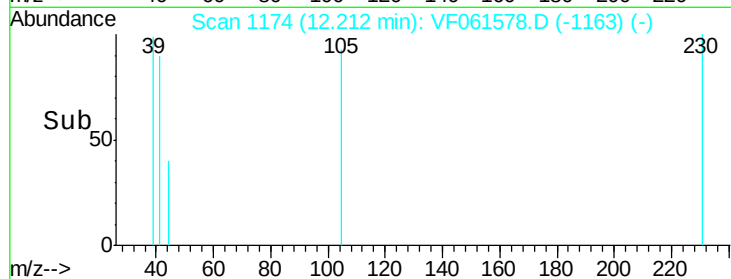
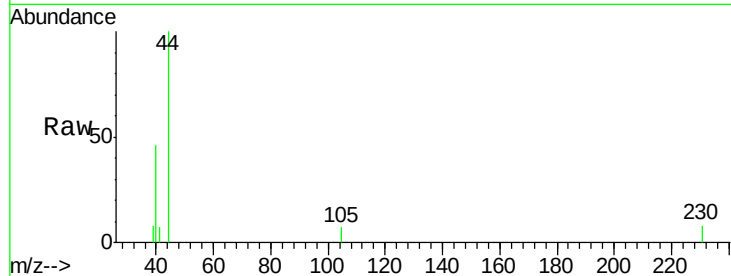
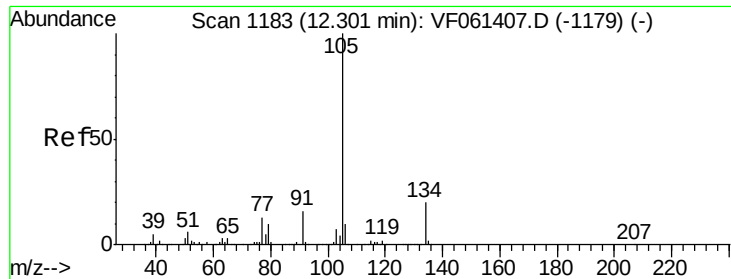
Tot Ion: 75 Resp: 78
Ion Ratio Lower Upper
75 100
53 0.0 57.8 86.6#
89 0.0 40.7 61.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.773 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061578.D
Acq: 9 Feb 2019 00:58

Tgt Ion: 105 Resp: 63
Ion Ratio Lower Upper
105 100
120 0.0 24.9 74.6#





#85

sec-Butylbenzene

Concen: 2.765 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.09 min

Lab File: VF061578.D

Acq: 9 Feb 2019 00:58

Instrument :

MSVOA_F

ClientSampleId :

SB-05(8-9)RE

Tot Ion:105 Resp: 63

Ion Ratio Lower Upper

105 100

134 0.0 10.0 30.0#

