

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012419\
 Data File : VF061512.D
 Acq On : 24 Jan 2019 20:57
 Operator : VA/AP
 Sample : k1216-01
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MULCH-1

Quant Time: Jan 25 04:11:09 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	4.90	168	8688	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.63	114	8933	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	2705	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.56	152	179	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	2243	20.91	ug/l	0.03
Spiked Amount			Recovery	=	41.82%	
35) Dibromofluoromethane	4.14	113	2999	42.55	ug/l	0.03
Spiked Amount			Recovery	=	85.10%	
50) Toluene-d8	7.58	98	7503	38.85	ug/l	0.03
Spiked Amount			Recovery	=	77.70%	
62) 4-Bromofluorobenzene	11.43	95	660	7.31	ug/l	0.02
Spiked Amount			Recovery	=	14.62%	

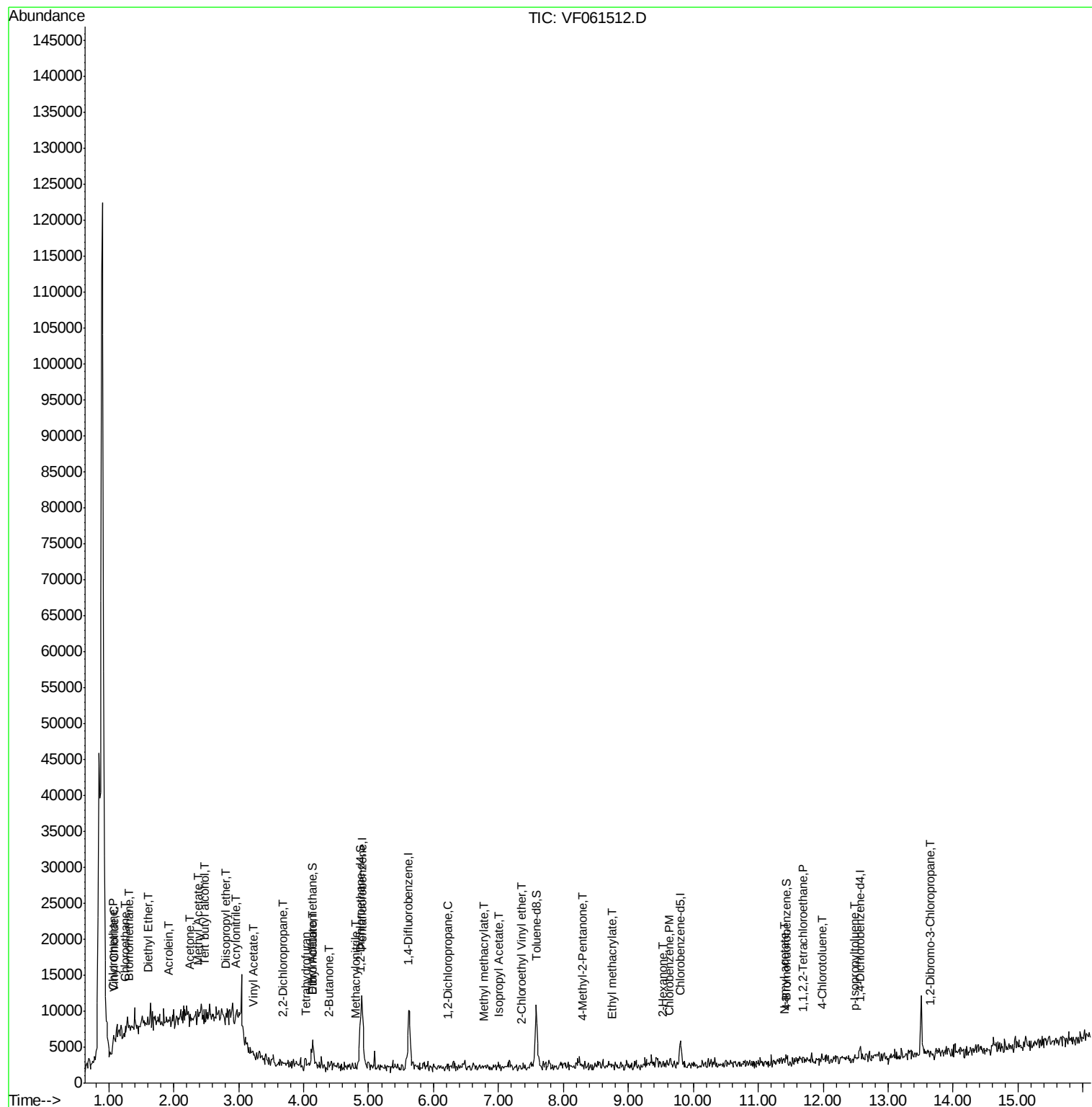
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.07	50	440	3.515	ug/l #	44
4) Vinyl Chloride	1.09	62	202	1.814	ug/l #	43
5) Bromomethane	1.32	94	295	4.063	ug/l #	2
6) Chloroethane	1.25	64	68	1.378	ug/l #	41
8) Diethyl Ether	1.61	74	72	2.596	ug/l	89
11) Tert butyl alcohol	2.47	59	60	13.215	ug/l #	1
13) Acrolein	1.93	56	638	166.731	ug/l	89
14) Allyl chloride	2.11	41	620	Below Cal	#	80
15) Acrylonitrile	2.95	53	663	57.008	ug/l #	23
16) Acetone	2.26	43	2842	132.072	ug/l #	61
18) Methyl Acetate	2.37	43	1754	41.102	ug/l #	61
22) Diisopropyl ether	2.80	45	357	1.298	ug/l #	1
23) Vinyl Acetate	3.23	43	921	10.711	ug/l #	78
25) 2-Butanone	4.37	43	180	5.030	ug/l #	57
26) 2,2-Dichloropropane	3.67	77	116	1.094	ug/l #	61
29) Tetrahydrofuran	4.05	42	67	4.348	ug/l #	38
37) Ethyl Acetate	4.13	43	200	4.831	ug/l #	5
41) Methacrylonitrile	4.79	41	77	3.495	ug/l #	29
43) Isopropyl Acetate	7.00	43	78	1.501	ug/l #	51
45) 1,2-Dichloropropane	6.23	63	94	1.554	ug/l #	44
48) Methyl methacrylate	6.77	41	149	4.270	ug/l #	19
51) 4-Methyl-2-Pentanone	8.30	43	208	5.445	ug/l #	39
56) Ethyl methacrylate	8.73	69	72	1.436	ug/l #	55
58) 2-Chloroethyl Vinyl ether	7.35	63	60	37.673	ug/l #	47
59) 2-Hexanone	9.53	43	125	4.693	ug/l #	26
65) Chlorobenzene	9.62	112	85	1.545	ug/l #	43
74) N-amyl acetate	11.40	43	460	133.623	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	11.69	83	59	22.749	ug/l #	24
82) 4-Chlorotoluene	11.97	91	65	6.377	ug/l #	43
86) p-Isopropyltoluene	12.48	119	229	16.893	ug/l #	50
92) 1,2-Dibromo-3-Chloropropan	13.64	75	66	143.474	ug/l #	1

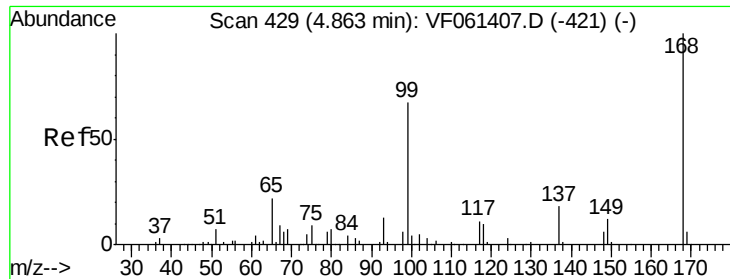
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.03 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

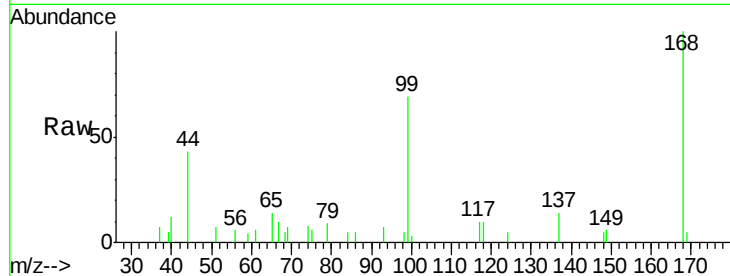
MULCH-1

Tot Ion:168 Resp: 8688

Ion Ratio Lower Upper

168 100

99 69.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

3000

2000

1000

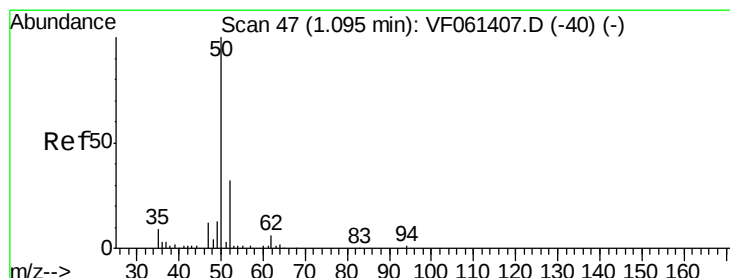
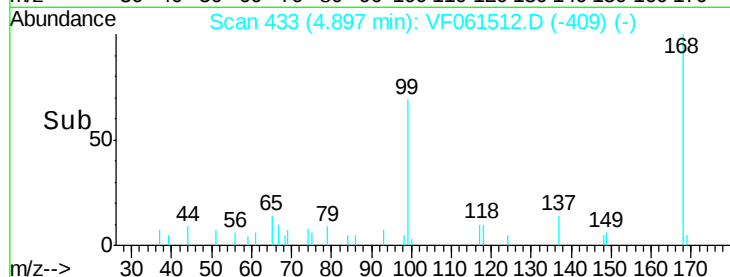
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Time-->

4.80

4.90

5.00



#3

Chloromethane

Concen: 3.515 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.03 min

Lab File: VF061512.D

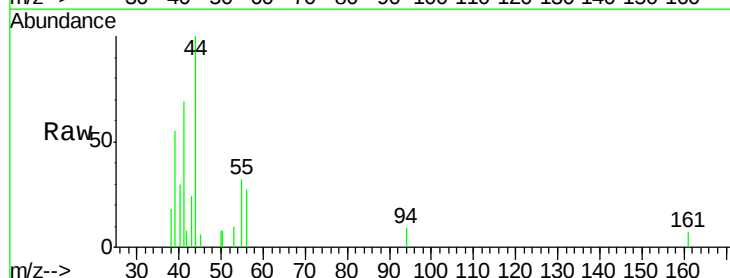
Acq: 24 Jan 2019 20:57

Tgt Ion: 50 Resp: 440

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

1.07

300

250

200

150

100

50

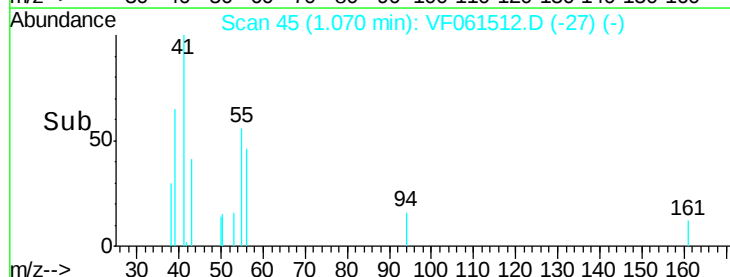
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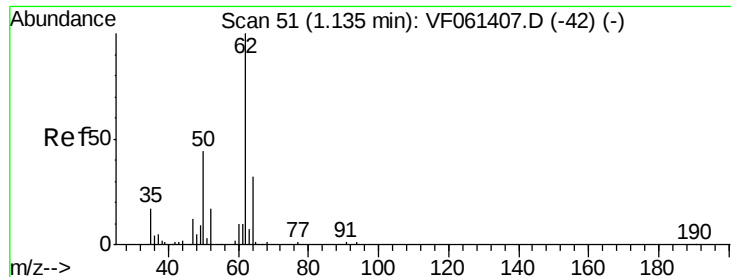
Time-->

1.00

1.05

1.10





#4

Vinyl Chloride

Concen: 1.814 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.04 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampled :

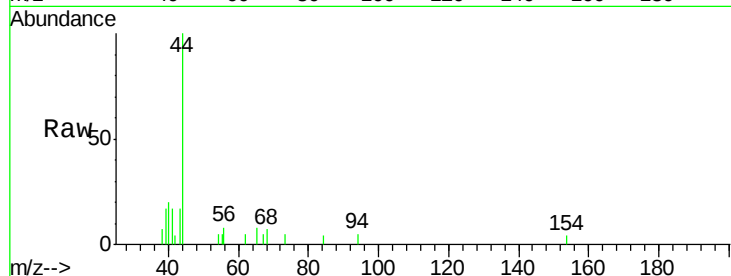
MULCH-1

Tot Ion: 62 Resp: 202

Ion Ratio Lower Upper

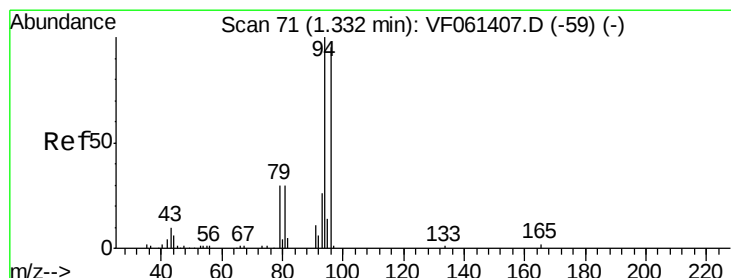
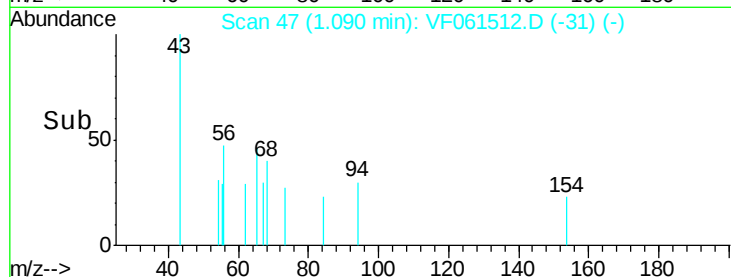
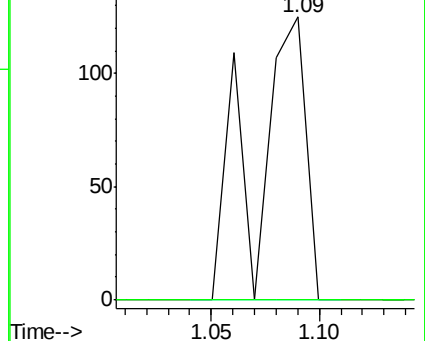
62 100

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: 4.063 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061512.D

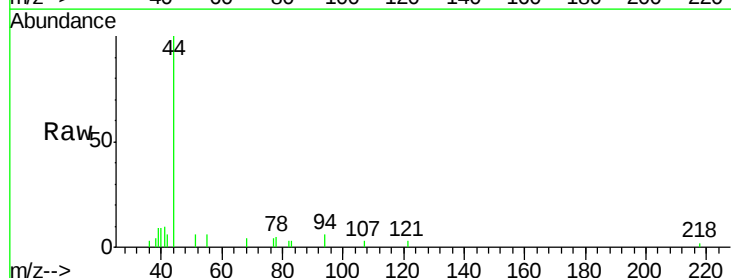
Acq: 24 Jan 2019 20:57

Tgt Ion: 94 Resp: 295

Ion Ratio Lower Upper

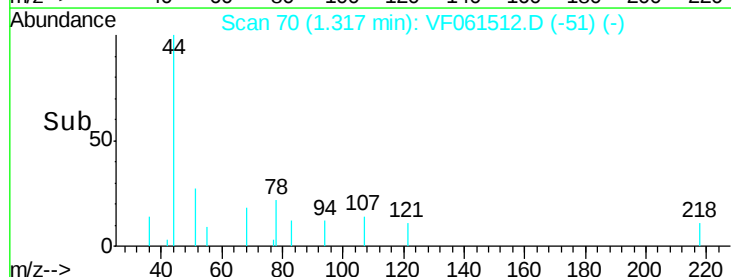
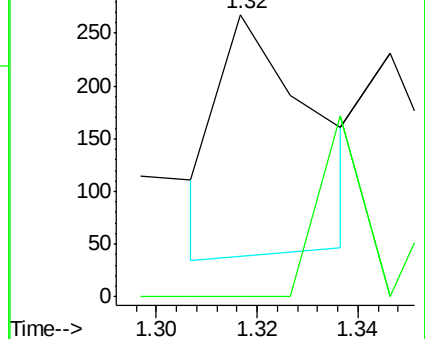
94 100

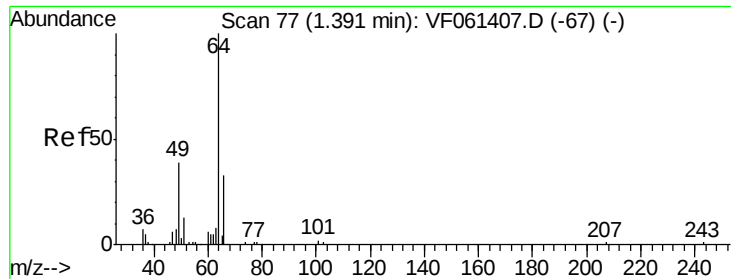
96 0.0 76.0 114.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 1.378 ug/l

RT: 1.25 min Scan# 63

Delta R.T. -0.14 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

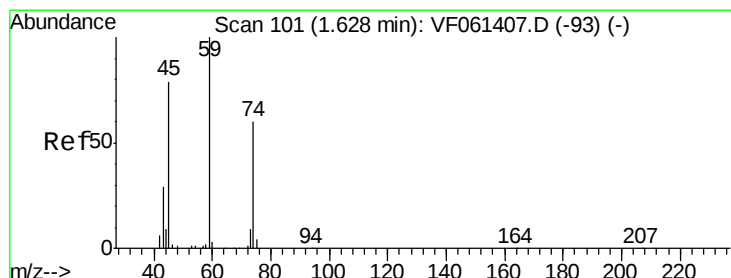
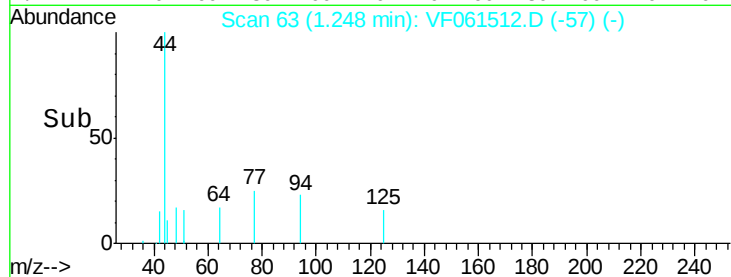
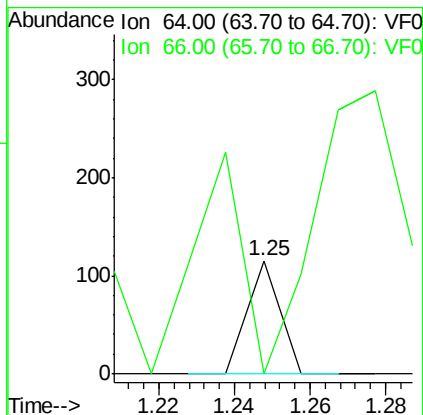
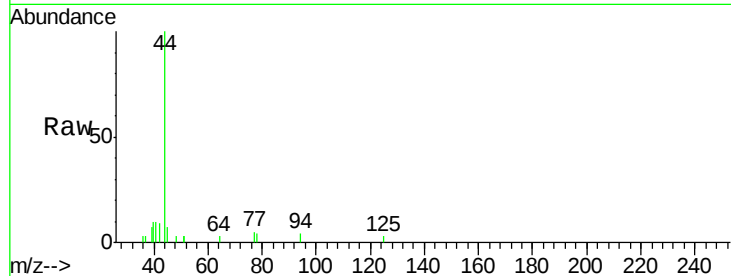
MULCH-1

Tot Ion: 64 Resp: 68

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#8

Diethyl Ether

Concen: 2.596 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF061512.D

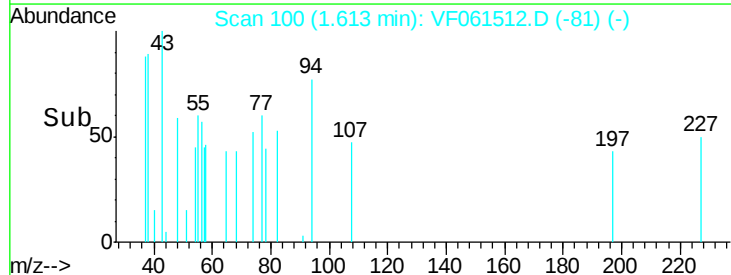
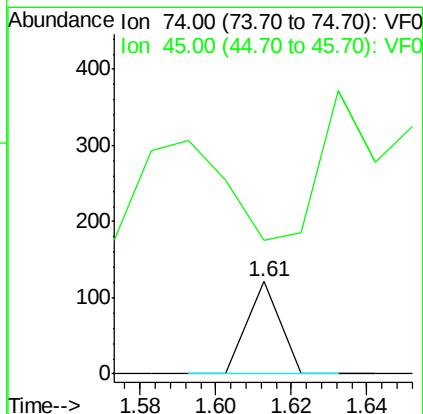
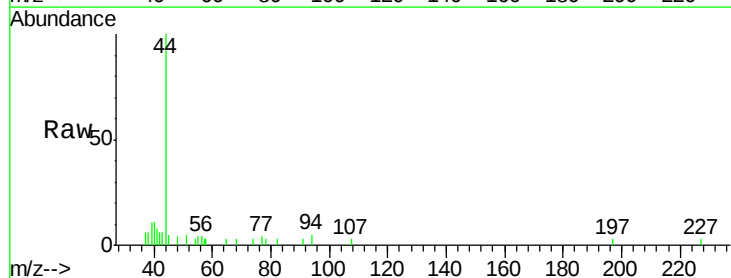
Acq: 24 Jan 2019 20:57

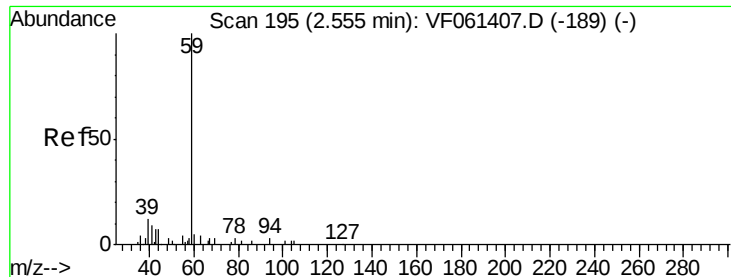
Tgt Ion: 74 Resp: 72

Ion Ratio Lower Upper

74 100

45 144.6 65.8 197.5



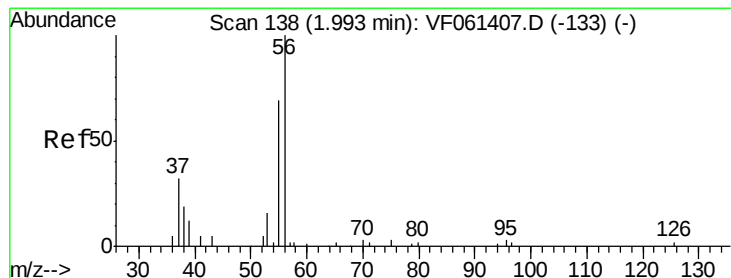
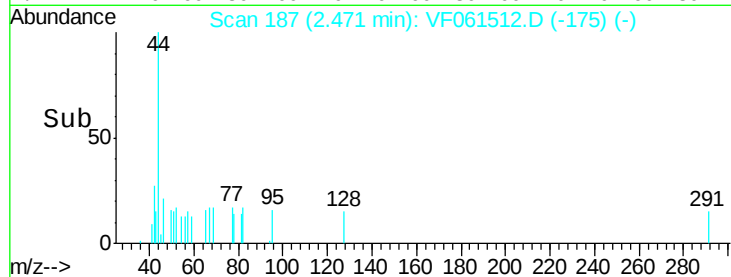
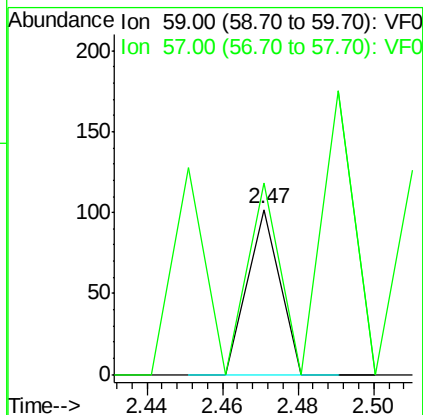
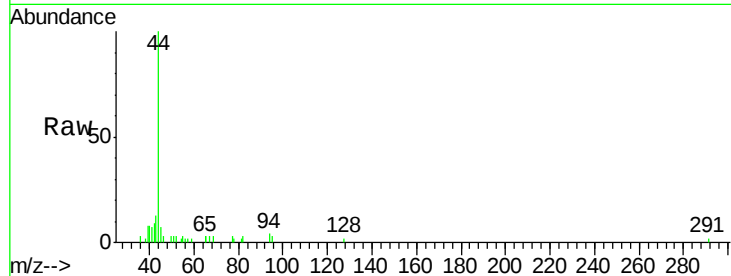


#11

Tert butyl alcohol
 Concen: 13.215 ug/l
 RT: 2.47 min Scan# 187
 Delta R.T. -0.08 min
 Lab File: VF061512.D
 Acq: 24 Jan 2019 20:57

Instrument :
 MSVOA_F
 ClientSampleId :
 MULCH-1

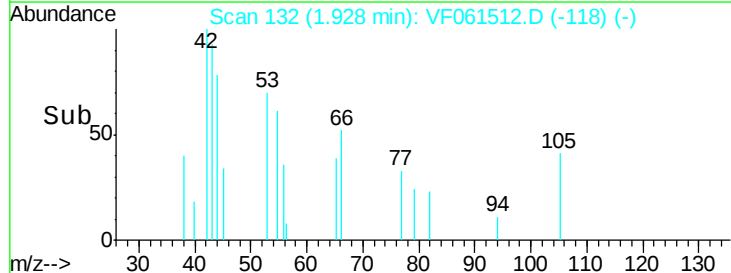
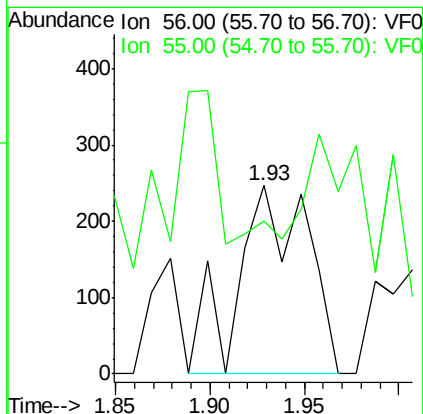
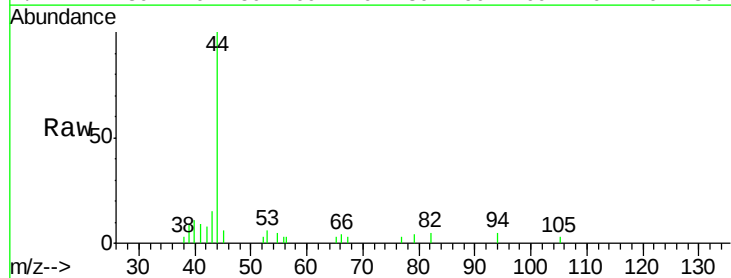
Tot Ion: 59 Resp: 60
 Ion Ratio Lower Upper
 59 100
 57 115.7 11.9 17.9#

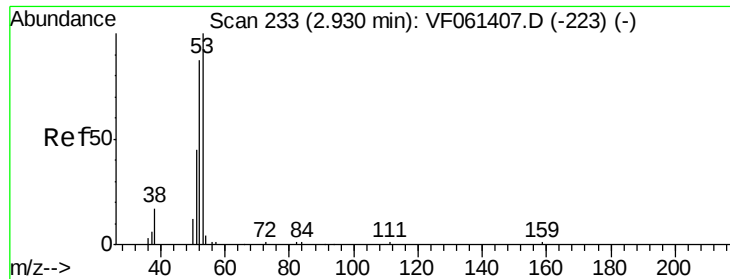


#13

Acrolein
 Concen: 166.731 ug/l
 RT: 1.93 min Scan# 132
 Delta R.T. -0.06 min
 Lab File: VF061512.D
 Acq: 24 Jan 2019 20:57

Tgt Ion: 56 Resp: 638
 Ion Ratio Lower Upper
 56 100
 55 81.4 57.5 86.3





#15

Acrylonitrile

Concen: 57.008 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

MULCH-1

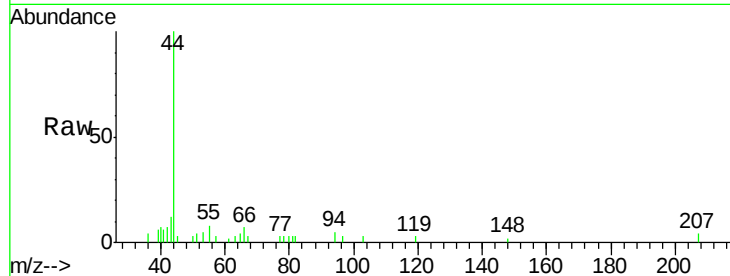
Tot Ion: 53 Resp: 663

Ion Ratio Lower Upper

53 100

52 0.0 69.6 104.4#

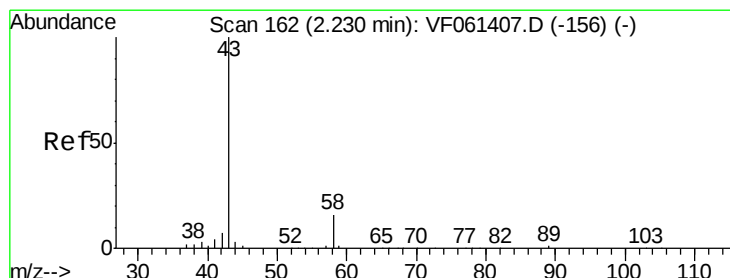
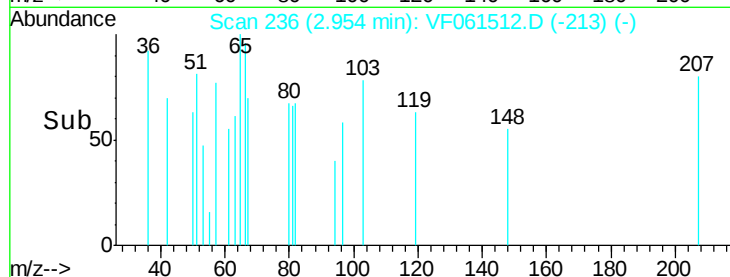
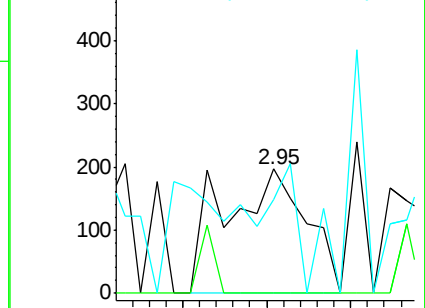
51 75.6 36.8 55.2#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 132.072 ug/l

RT: 2.26 min Scan# 166

Delta R.T. 0.03 min

Lab File: VF061512.D

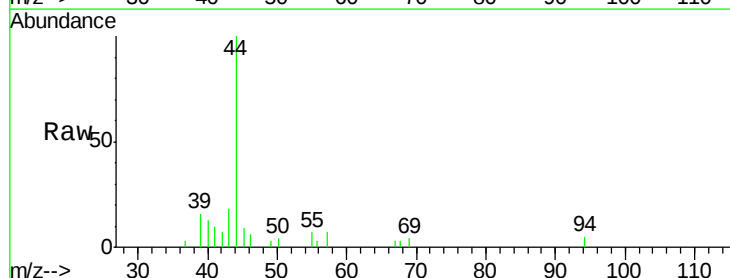
Acq: 24 Jan 2019 20:57

Tgt Ion: 43 Resp: 2842

Ion Ratio Lower Upper

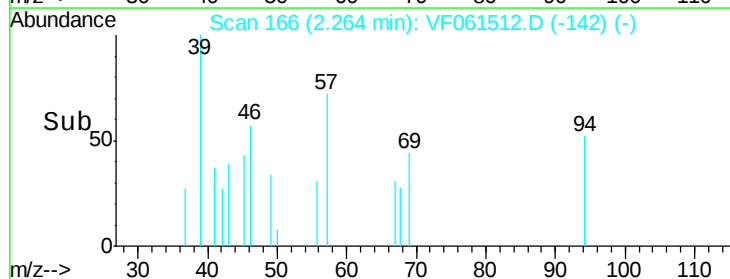
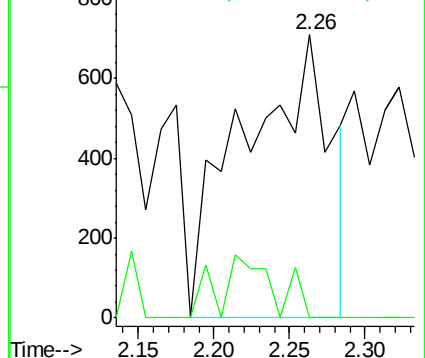
43 100

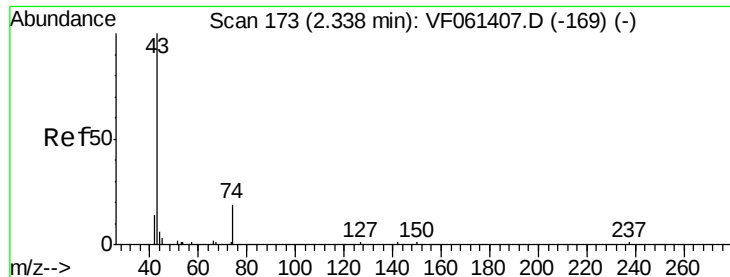
58 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

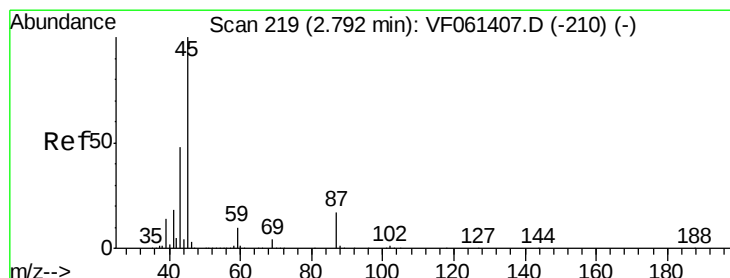
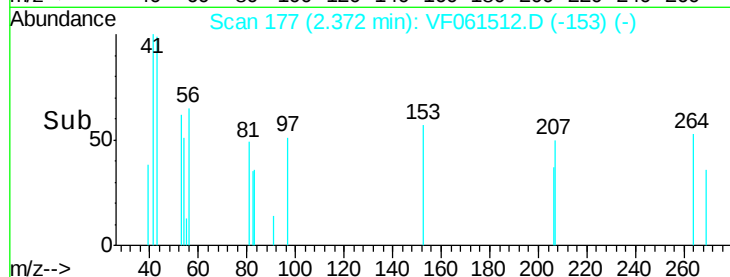
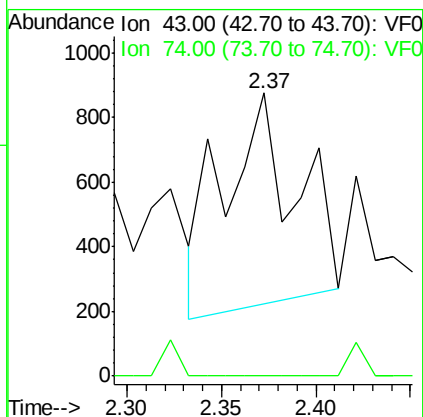
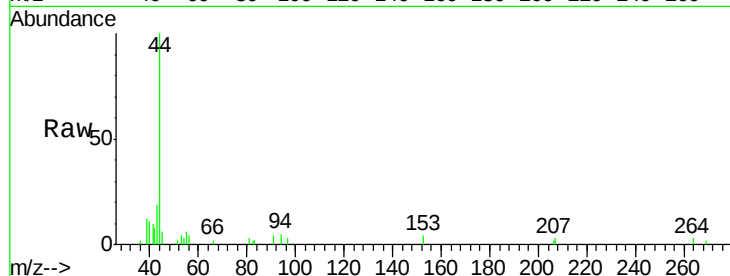




#18
Methyl Acetate
Concen: 41.102 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.03 min
Lab File: VF061512.D
Acq: 24 Jan 2019 20:57

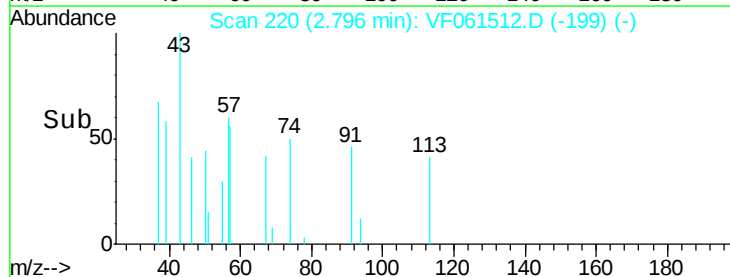
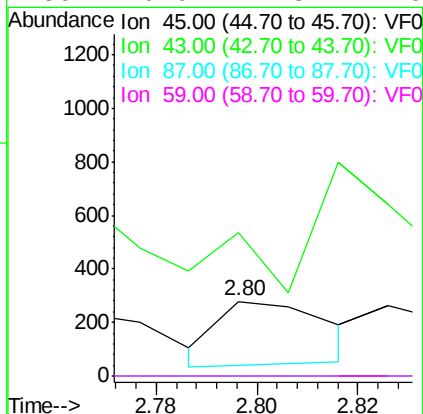
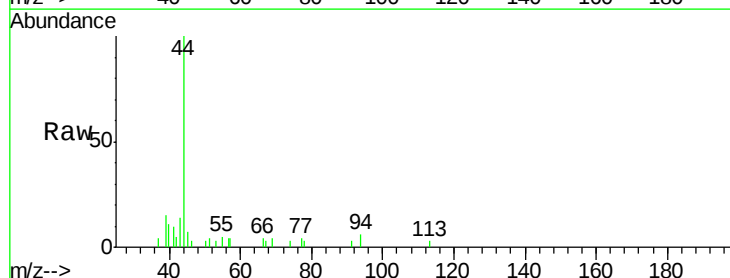
Instrument :
MSVOA_F
ClientSampled :
MULCH-1

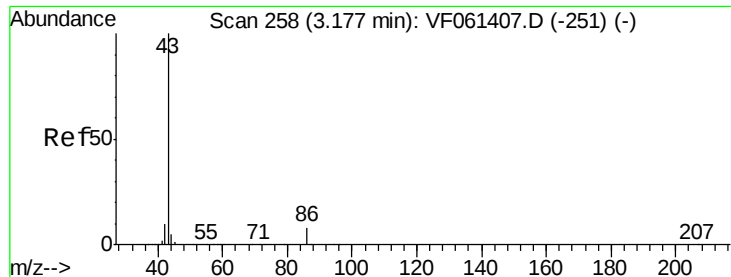
Tot Ion: 43 Resp: 1754
Ion Ratio Lower Upper
43 100
74 0.0 13.4 20.0#



#22
Diisopropyl ether
Concen: 1.298 ug/l
RT: 2.80 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF061512.D
Acq: 24 Jan 2019 20:57

Tgt Ion: 45 Resp: 357
Ion Ratio Lower Upper
45 100
43 192.1 39.0 58.6#
87 0.0 13.9 20.9#
59 0.0 7.8 11.6#





#23

Vinyl Acetate

Concen: 10.711 ug/l

RT: 3.23 min Scan# 264

Delta R.T. 0.05 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

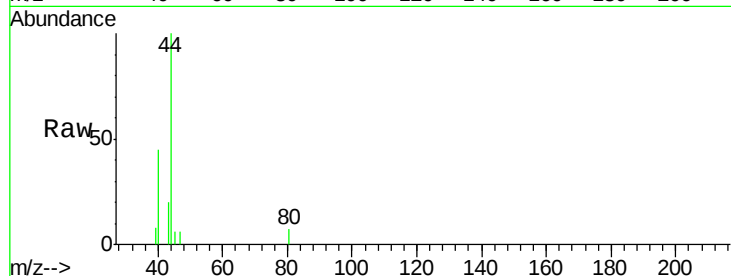
MULCH-1

Tot Ion: 43 Resp: 921

Ion Ratio Lower Upper

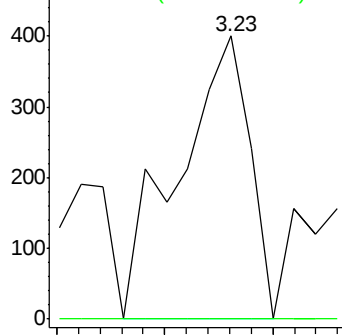
43 100

86 0.0 6.2 9.4#

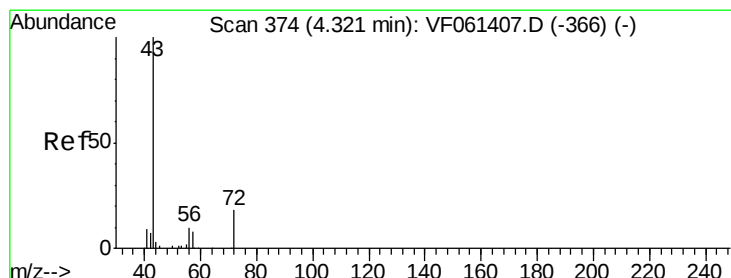
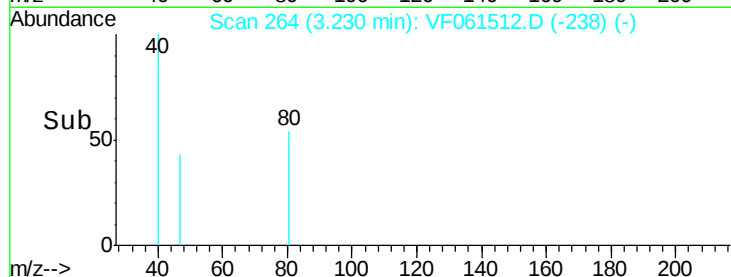


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time--> 3.15 3.20 3.25



#25

2-Butanone

Concen: 5.030 ug/l

RT: 4.37 min Scan# 380

Delta R.T. 0.05 min

Lab File: VF061512.D

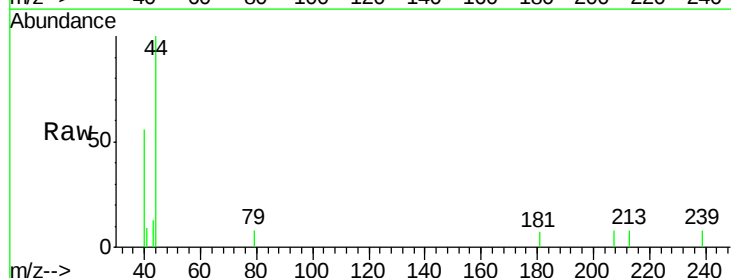
Acq: 24 Jan 2019 20:57

Tgt Ion: 43 Resp: 180

Ion Ratio Lower Upper

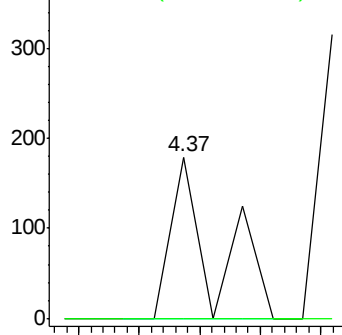
43 100

72 0.0 15.8 23.6#

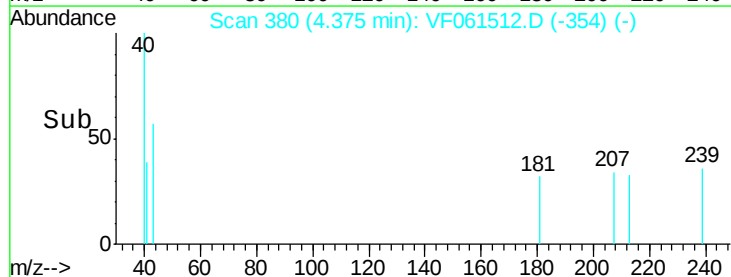


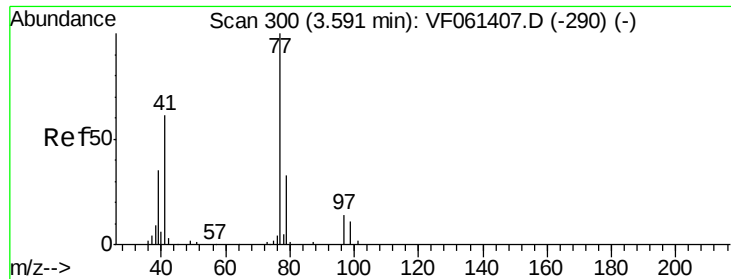
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time--> 4.34 4.36 4.38 4.40 4.42





#26

2,2-Dichloropropane

Concen: 1.094 ug/l

RT: 3.67 min Scan# 309

Delta R.T. 0.08 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

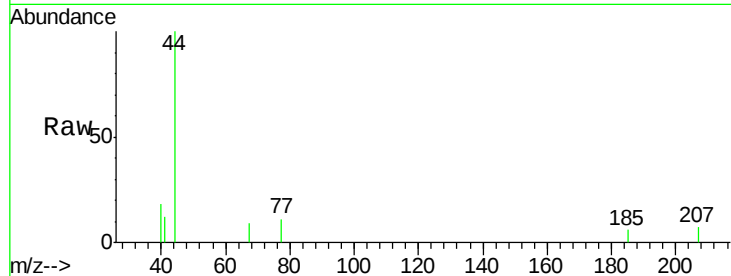
MULCH-1

Tot Ion: 77 Resp: 116

Ion Ratio Lower Upper

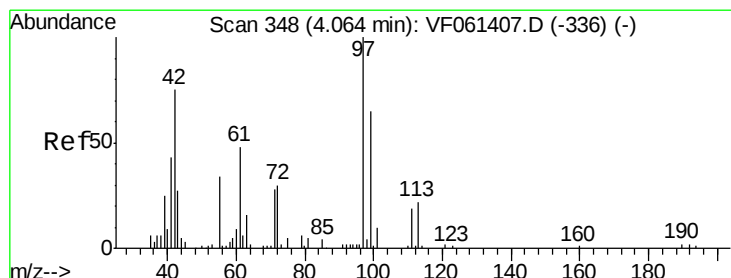
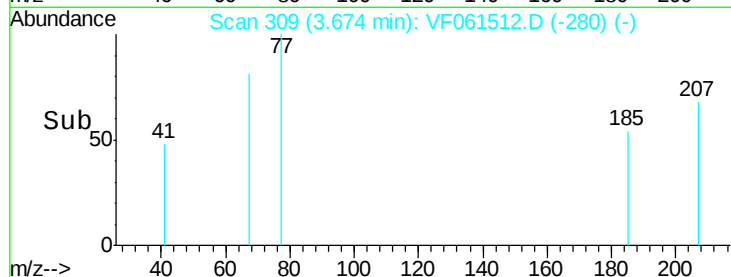
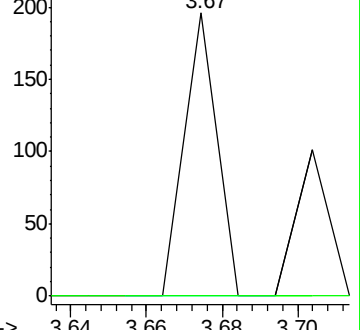
77 100

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



#29

Tetrahydrofuran

Concen: 4.348 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

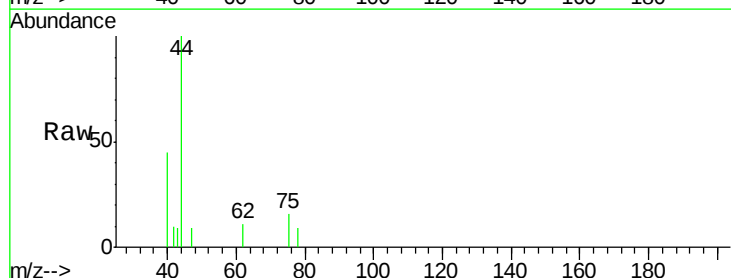
Tgt Ion: 42 Resp: 67

Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

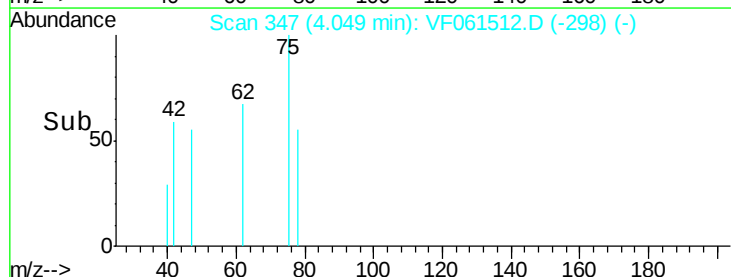
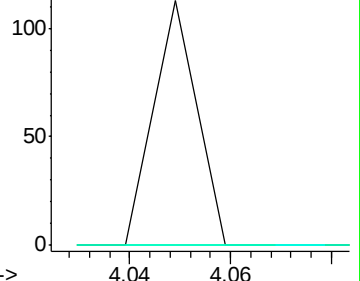
71 0.0 29.6 44.4#

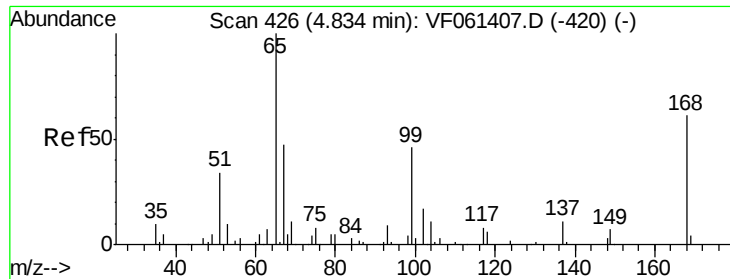


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 20.911 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.03 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

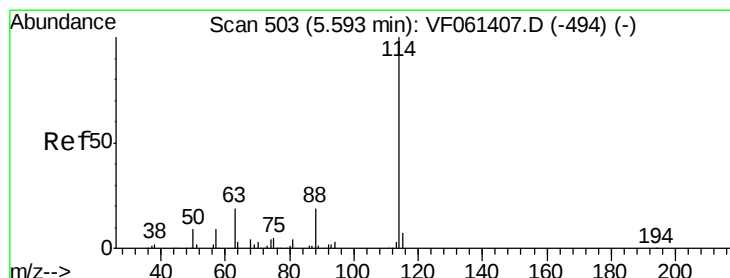
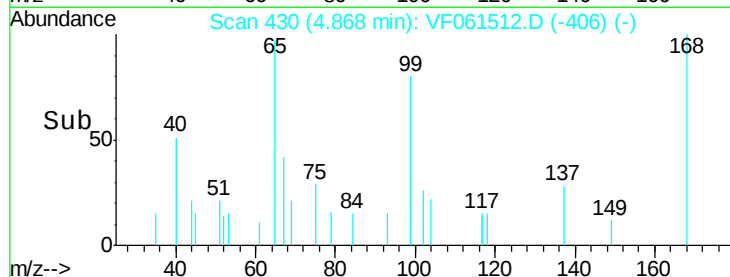
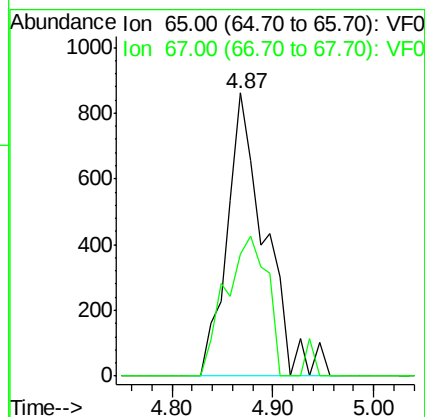
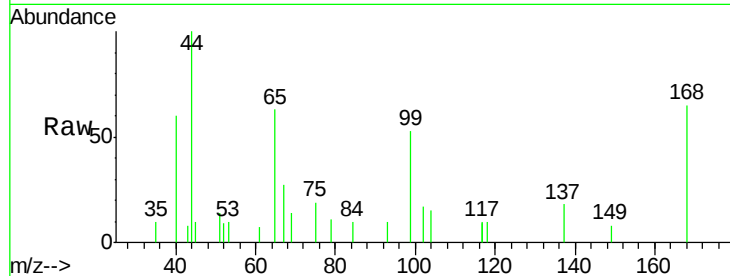
MULCH-1

Tot Ion: 65 Resp: 2243

Ion Ratio Lower Upper

65 100

67 43.2 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. 0.03 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

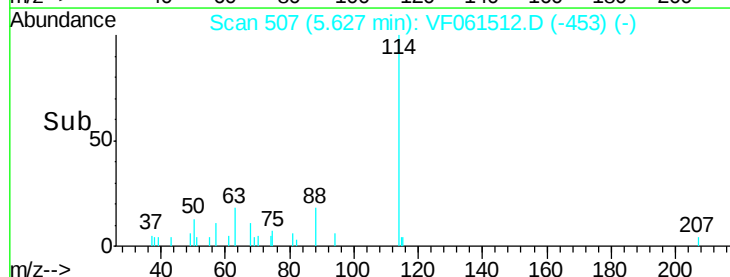
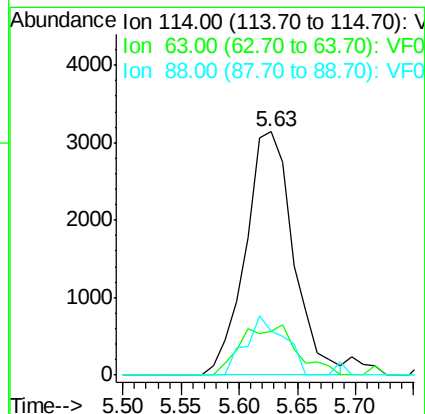
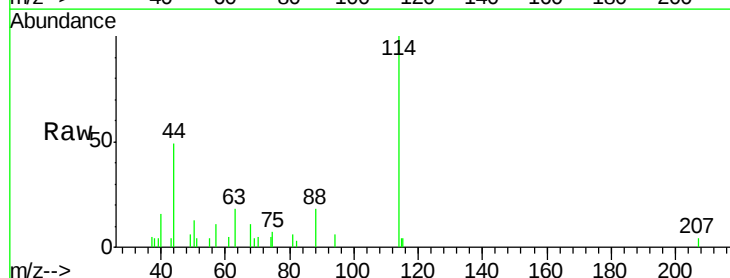
Tgt Ion: 114 Resp: 8933

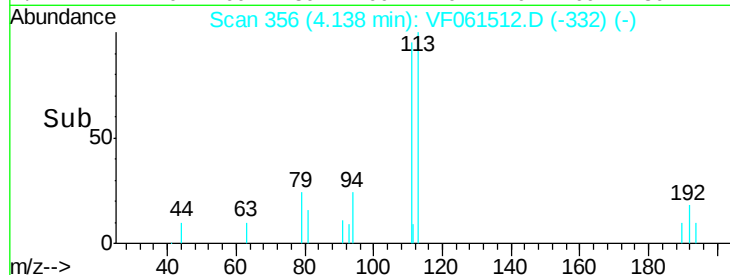
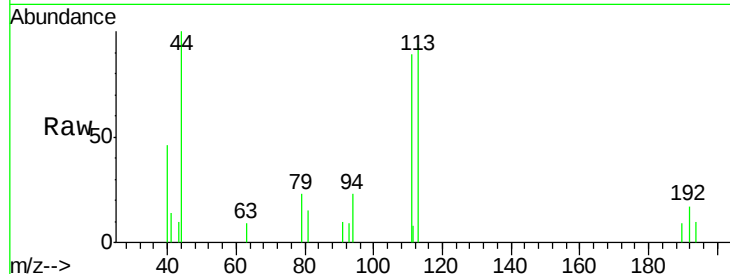
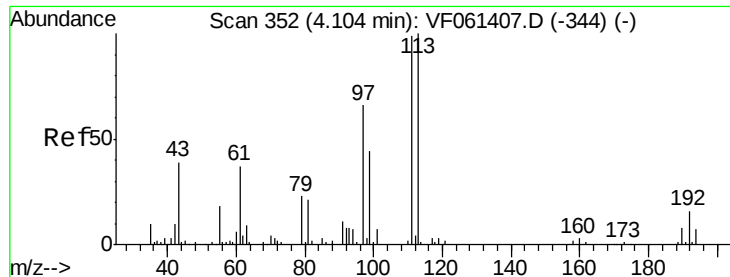
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.0

88 17.9 0.0 37.4

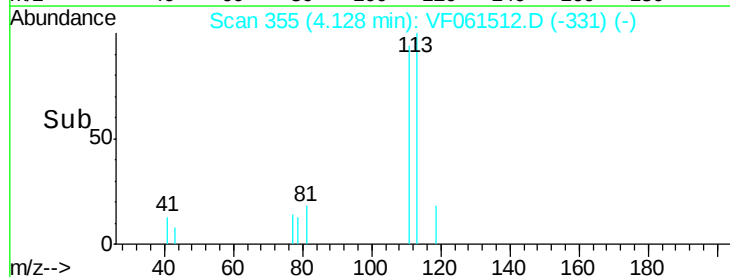
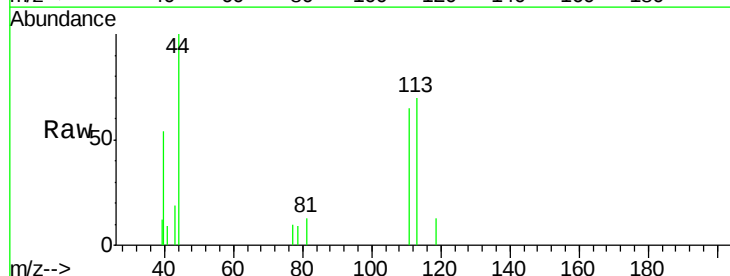
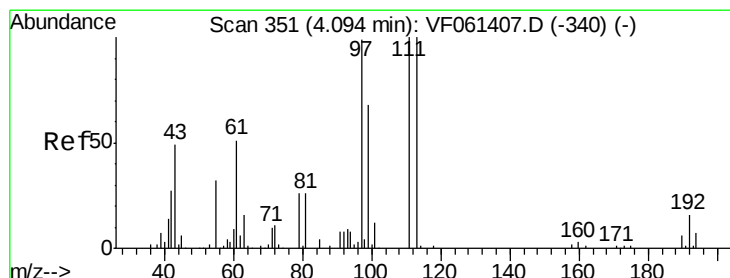
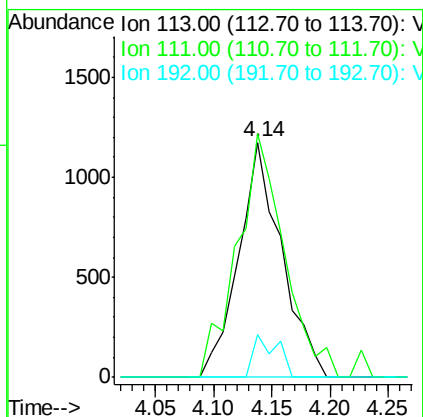




#35
Dibromofluoromethane
Concen: 42.546 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.03 min
Lab File: VF061512.D
Acq: 24 Jan 2019 20:57

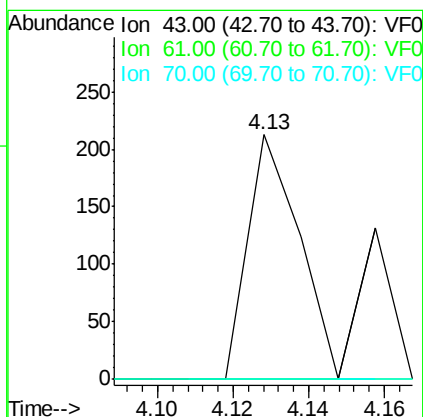
Instrument :
MSVOA_F
ClientSampleId :
MULCH-1

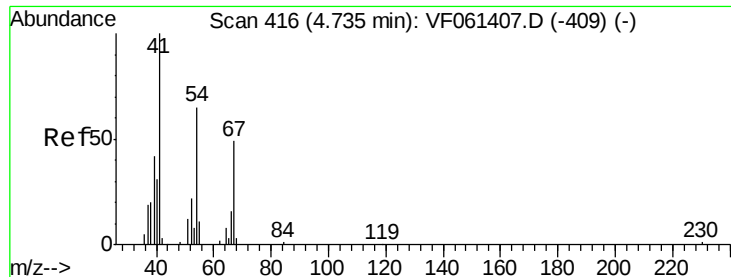
Tot Ion:113 Resp: 2999
Ion Ratio Lower Upper
113 100
111 103.6 79.4 119.0
192 18.4 12.4 18.6



#37
Ethyl Acetate
Concen: 4.831 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.03 min
Lab File: VF061512.D
Acq: 24 Jan 2019 20:57

Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
61 0.0 81.7 122.5#
70 0.0 6.2 9.2#





#41

Methacrylonitrile

Concen: 3.495 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.05 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

MULCH-1

Tot Ion: 41 Resp: 77

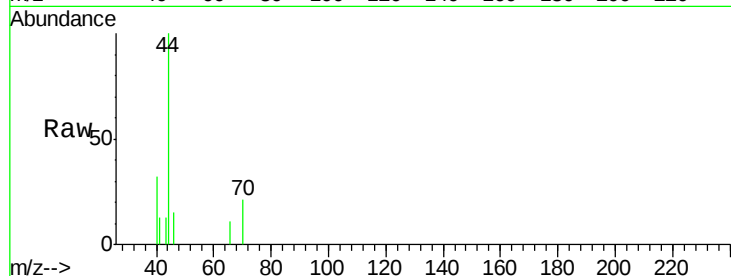
Ion Ratio Lower Upper

41 100

39 0.0 43.1 64.7#

67 0.0 38.8 58.2#

52 0.0 33.2 49.8#

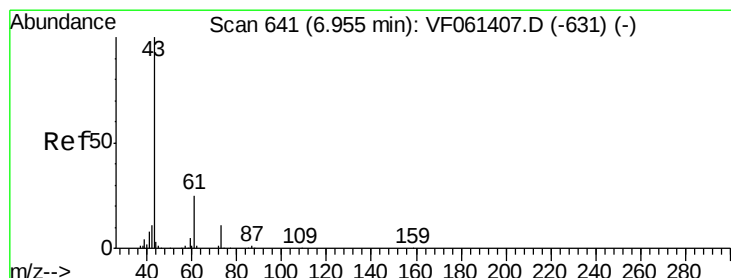
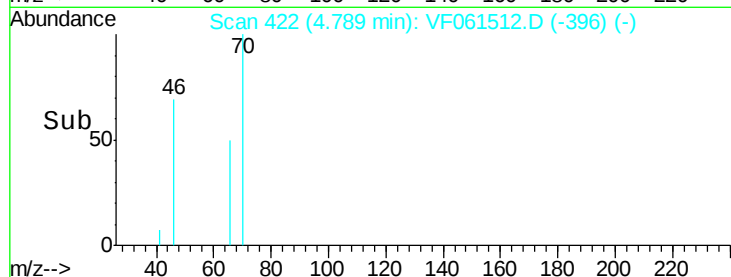
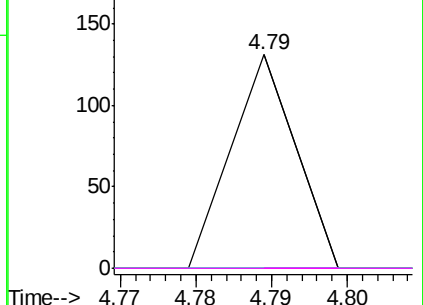


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#43

Isopropyl Acetate

Concen: 1.501 ug/l

RT: 7.00 min Scan# 646

Delta R.T. 0.04 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

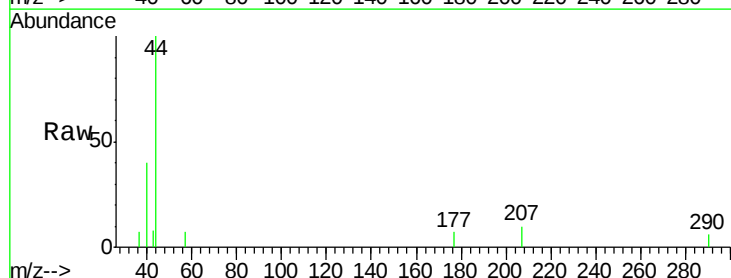
Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

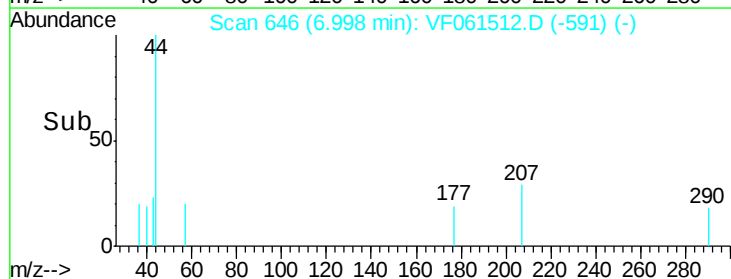
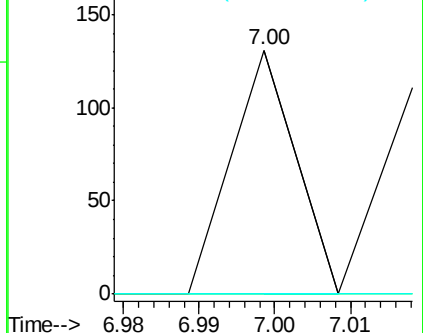
87 0.0 0.5 0.7#

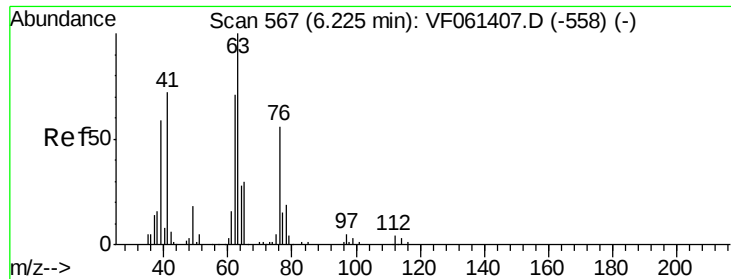


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#45

1,2-Dichloropropane

Concen: 1.554 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

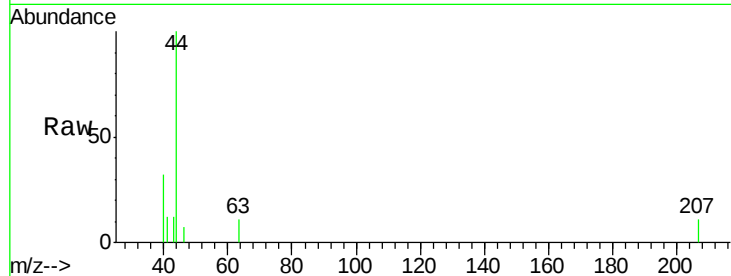
MULCH-1

Tot Ion: 63 Resp: 94

Ion Ratio Lower Upper

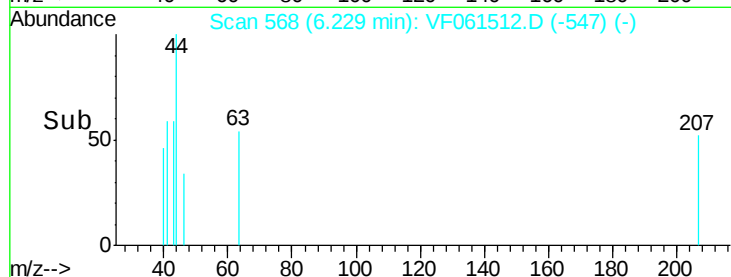
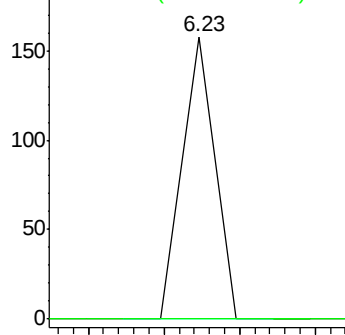
63 100

65 0.0 24.4 36.6#

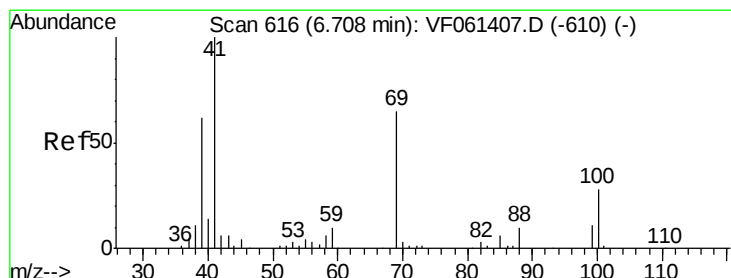


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



Time-->



#48

Methyl methacrylate

Concen: 4.270 ug/l

RT: 6.77 min Scan# 623

Delta R.T. 0.06 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

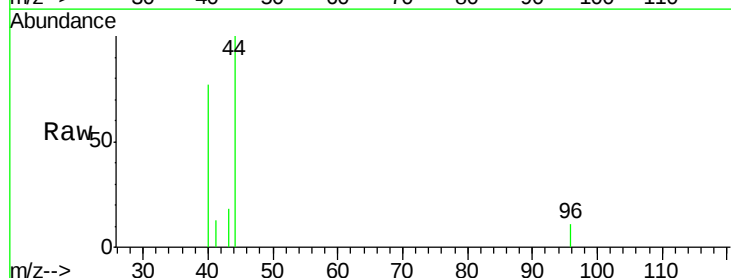
Tgt Ion: 41 Resp: 149

Ion Ratio Lower Upper

41 100

69 0.0 51.7 77.5#

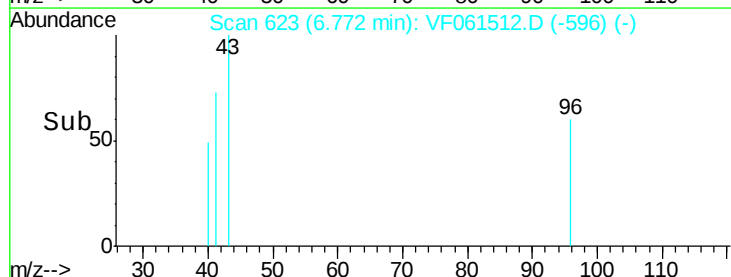
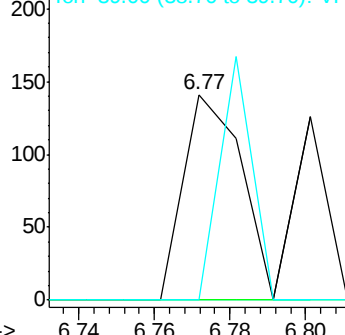
39 0.0 49.2 73.8#



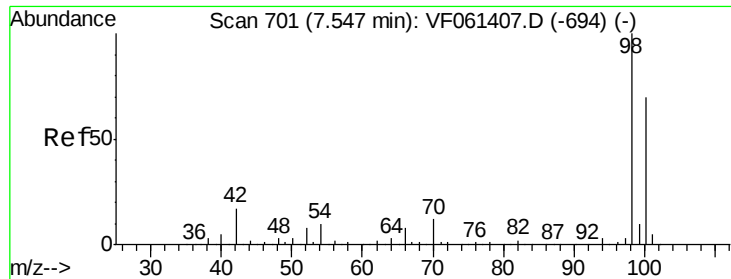
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#50

Toluene-d8

Concen: 38.850 ug/l

RT: 7.58 min Scan# 705

Delta R.T. 0.03 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

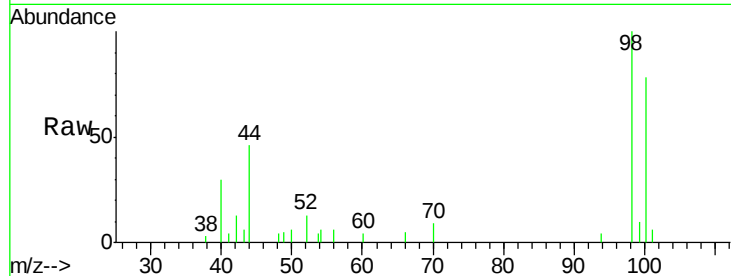
MULCH-1

Tot Ion: 98 Resp: 7503

Ion Ratio Lower Upper

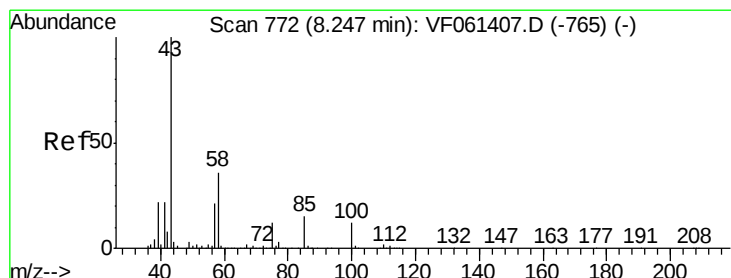
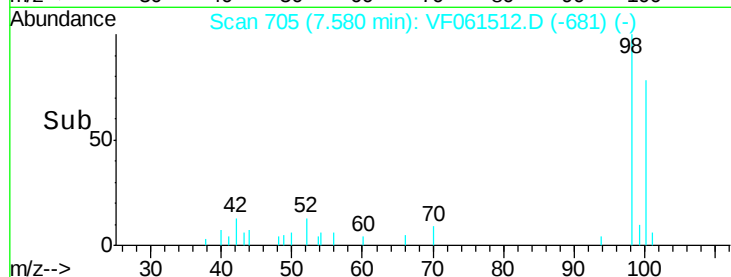
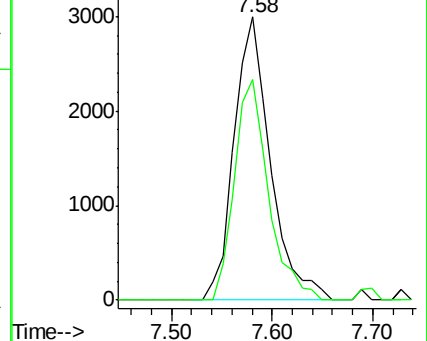
98 100

100 78.0 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: 5.445 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.05 min

Lab File: VF061512.D

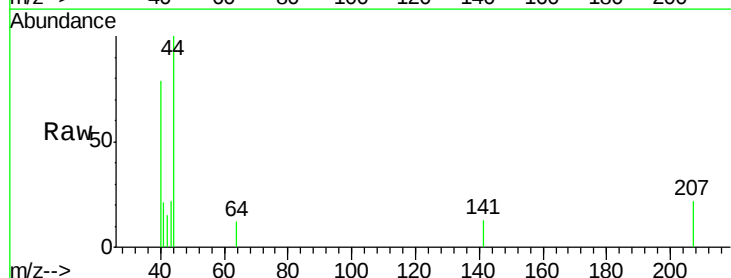
Acq: 24 Jan 2019 20:57

Tgt Ion: 43 Resp: 208

Ion Ratio Lower Upper

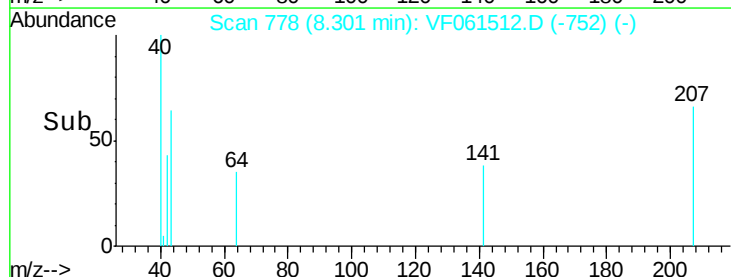
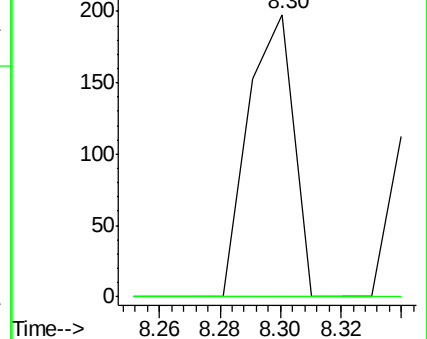
43 100

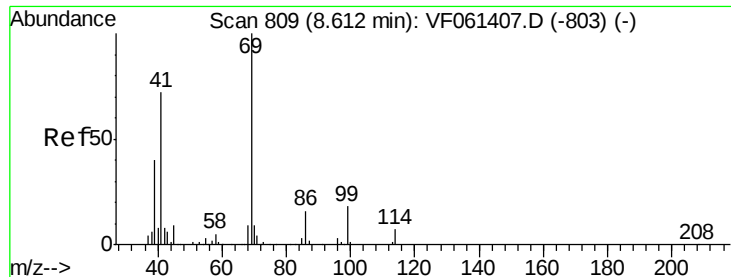
58 0.0 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#56

Ethyl methacrylate

Concen: 1.436 ug/l

RT: 8.73 min Scan# 822

Delta R.T. 0.12 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

MULCH-1

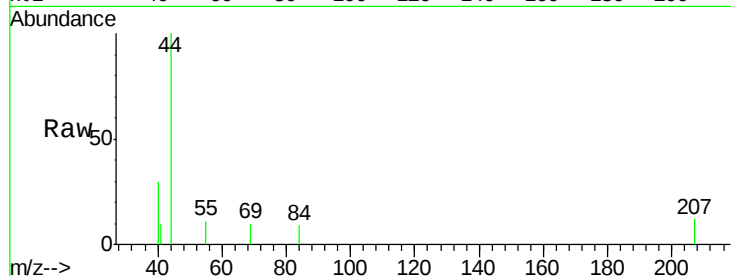
Tot Ion: 69 Resp: 72

Ion Ratio Lower Upper

69 100

41 100.8 57.5 86.3#

39 0.0 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

250

200

150

100

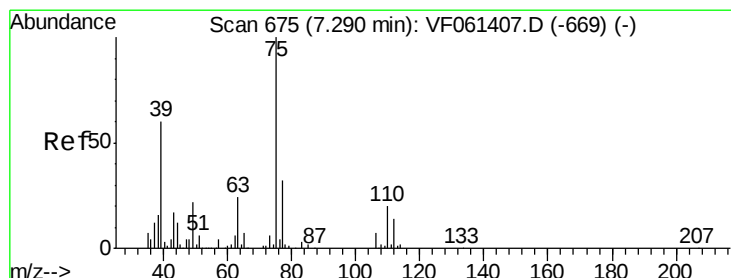
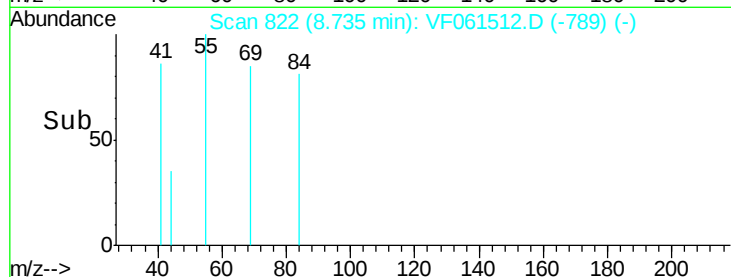
50

0

8.70 8.72 8.74 8.76

8.73

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 37.673 ug/l

RT: 7.35 min Scan# 682

Delta R.T. 0.06 min

Lab File: VF061512.D

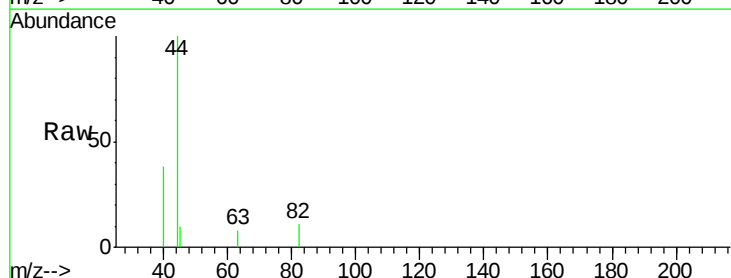
Acq: 24 Jan 2019 20:57

Tgt Ion: 63 Resp: 60

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

120

100

80

60

40

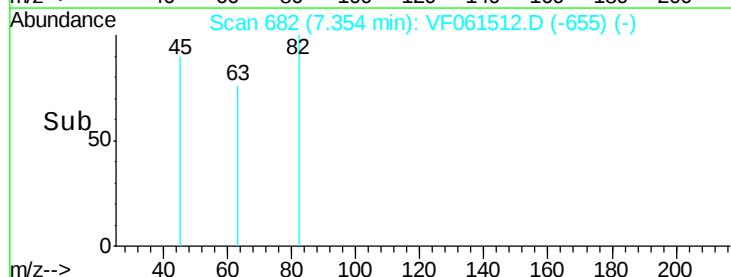
20

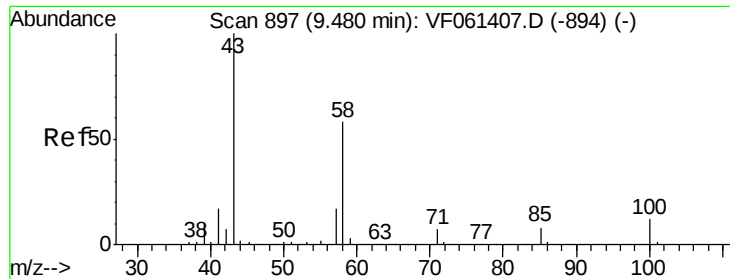
0

7.32 7.34 7.36 7.38

7.35

Time-->

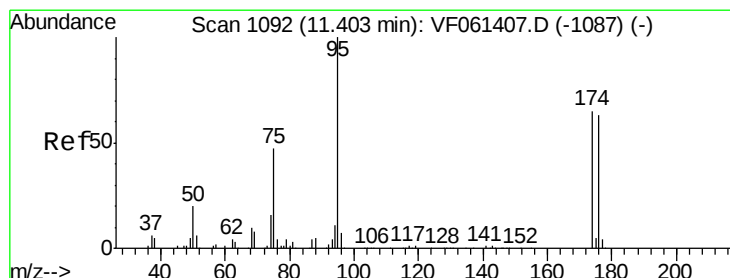
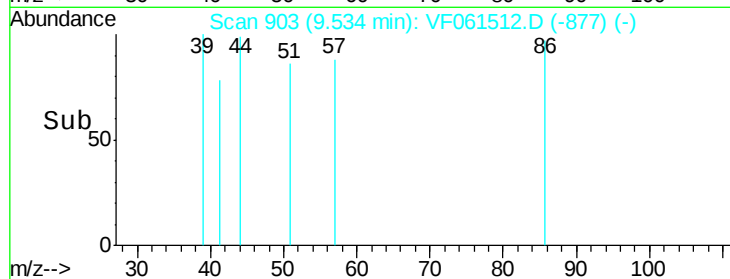
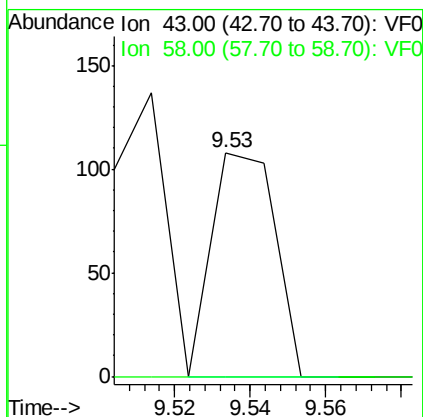
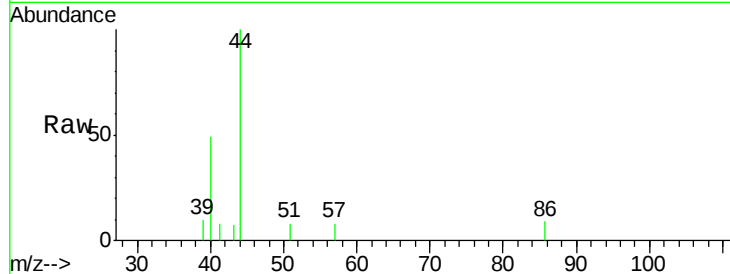




#59
2-Hexanone
Concen: 4.693 ug/l
RT: 9.53 min Scan# 903
Delta R.T. 0.05 min
Lab File: VF061512.D
Acq: 24 Jan 2019 20:57

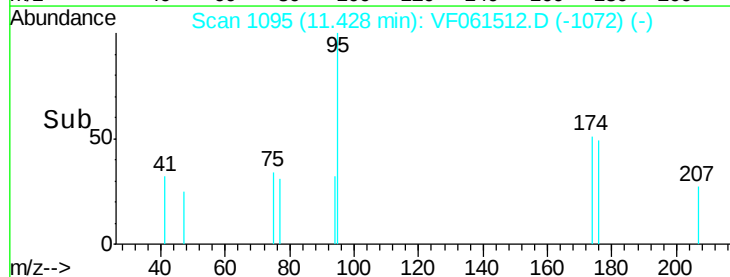
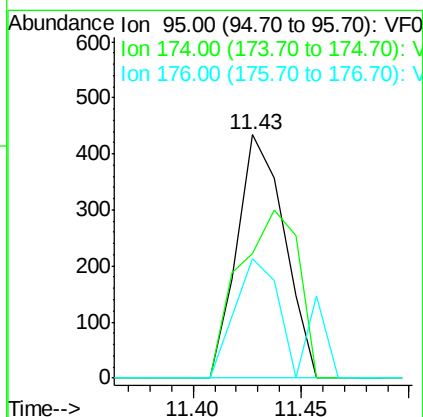
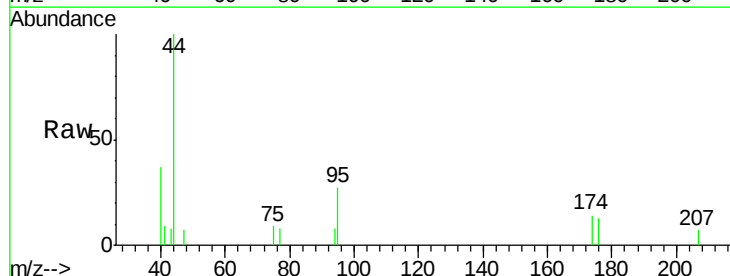
Instrument :
MSVOA_F
ClientSampleId :
MULCH-1

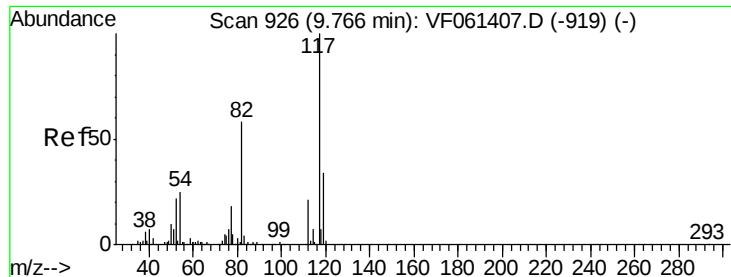
Tot Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 7.314 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.02 min
Lab File: VF061512.D
Acq: 24 Jan 2019 20:57

Tgt Ion: 95 Resp: 660
Ion Ratio Lower Upper
95 100
174 51.2 0.0 130.4
176 49.1 0.0 126.2

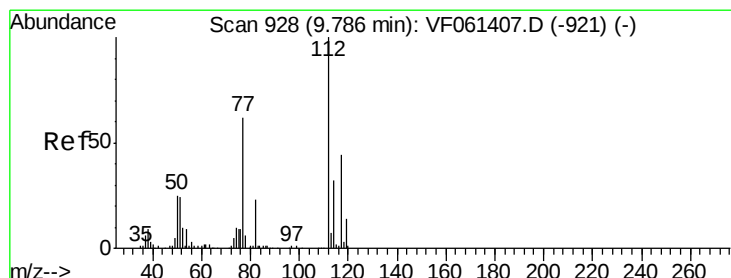
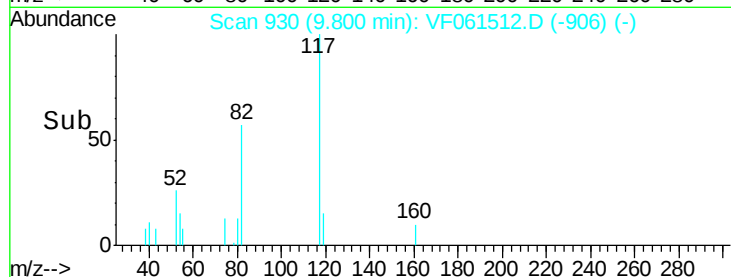
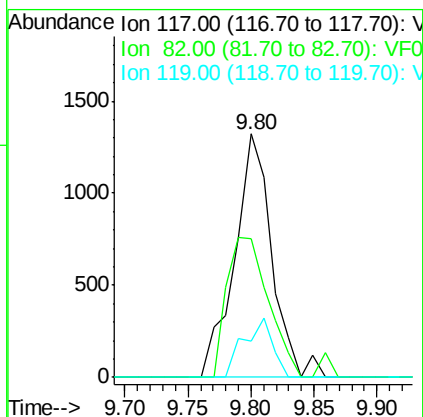
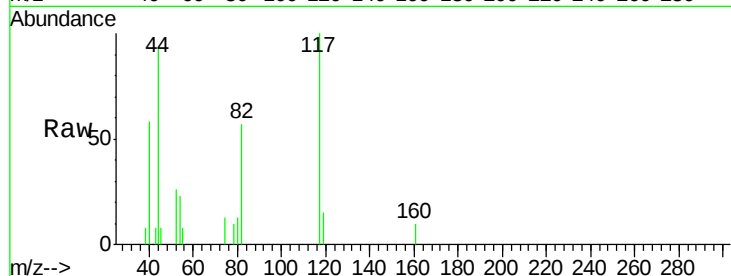




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.03 min
Lab File: VF061512.D
Acq: 24 Jan 2019 20:57

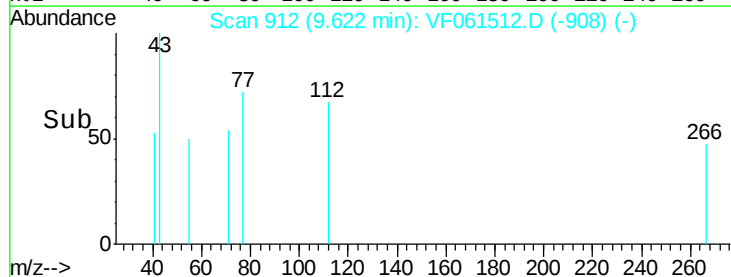
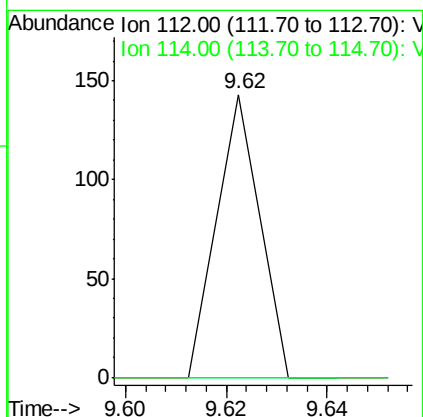
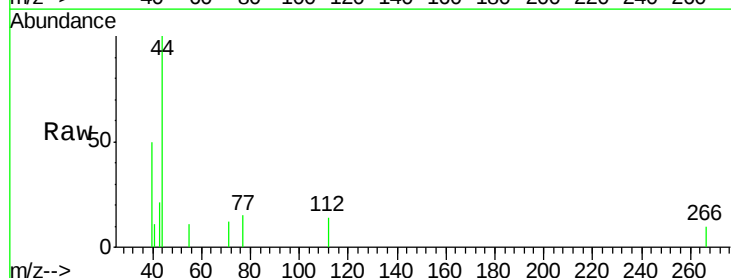
Instrument :
MSVOA_F
ClientSampleId :
MULCH-1

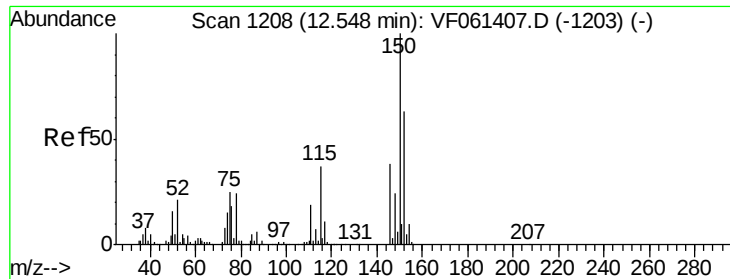
Tot Ion:117 Resp: 2705
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 15.1 27.2 40.8#



#65
Chlorobenzene
Concen: 1.545 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.16 min
Lab File: VF061512.D
Acq: 24 Jan 2019 20:57

Tgt Ion:112 Resp: 85
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

MULCH-1

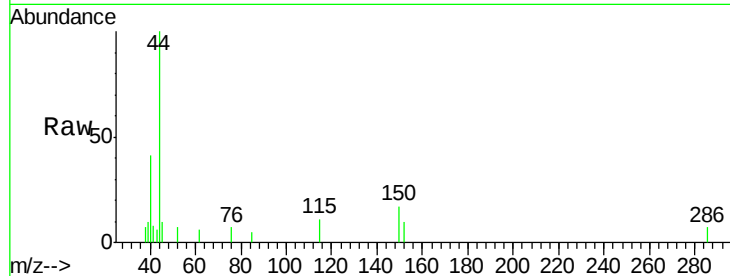
Tot Ion:152 Resp: 179

Ion Ratio Lower Upper

152 100

115 111.1 30.0 90.0#

150 166.7 0.0 321.4

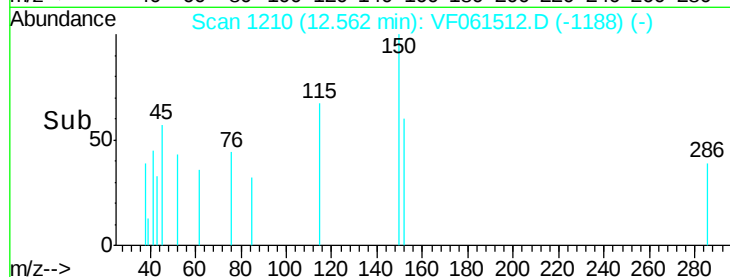


Abundance Ion 152.00 (151.70 to 152.70): V

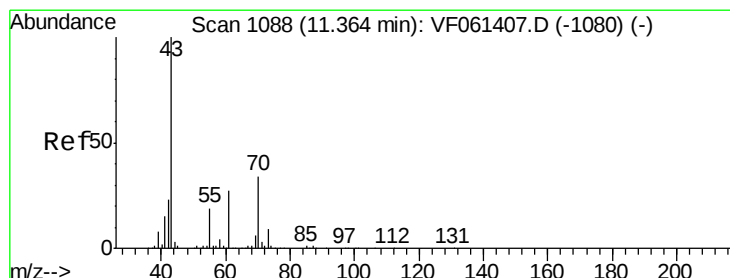
Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

Time-->



Time-->



#74

N-ethyl acetate

Concen: 133.623 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Tgt Ion: 43 Resp: 460

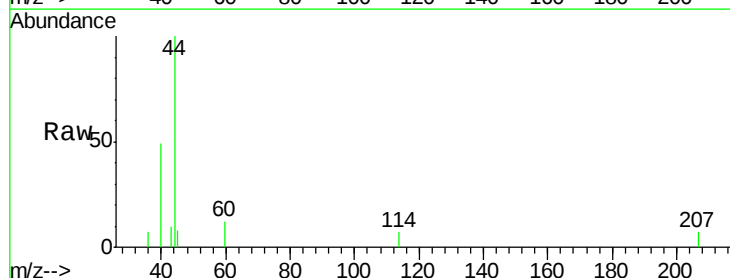
Ion Ratio Lower Upper

43 100

70 0.0 27.6 41.4#

55 0.0 15.4 23.2#

61 0.0 21.8 32.6#



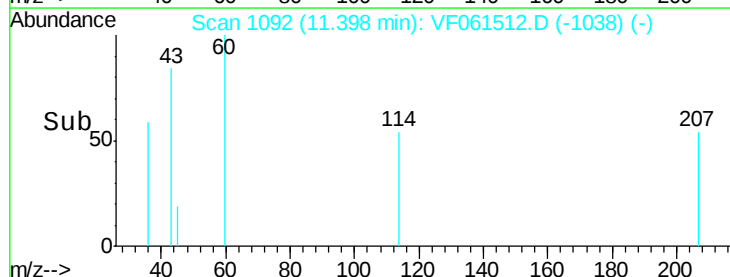
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

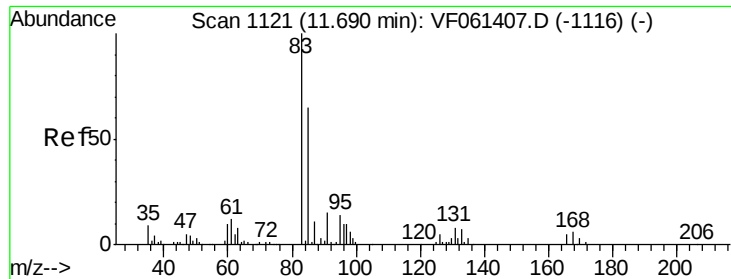
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Time-->



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 22.749 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061512.D

Acq: 24 Jan 2019 20:57

Instrument :

MSVOA_F

ClientSampleId :

MULCH-1

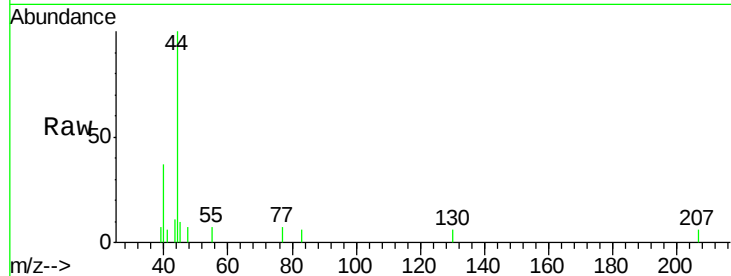
Tot Ion: 83 Resp: 59

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.2#

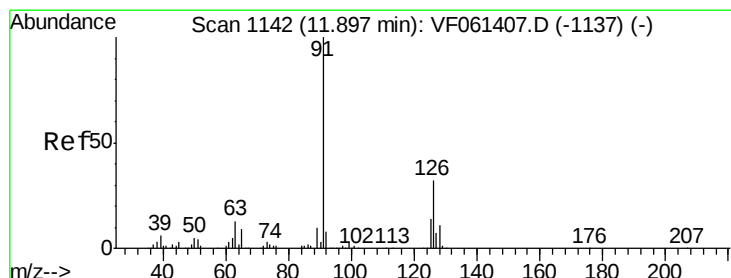
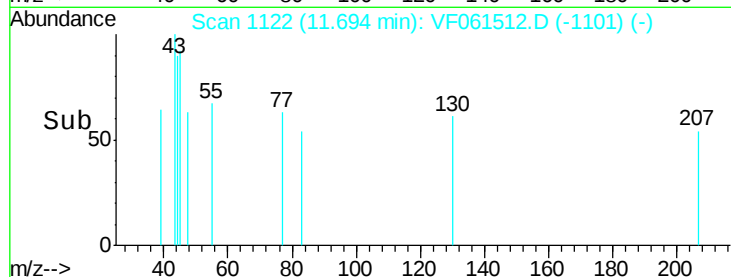
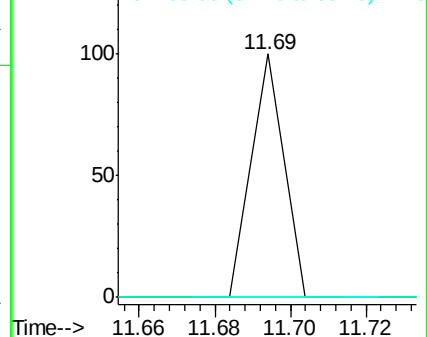
85 0.0 32.7 98.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#82

4-Chlorotoluene

Concen: 6.377 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. 0.07 min

Lab File: VF061512.D

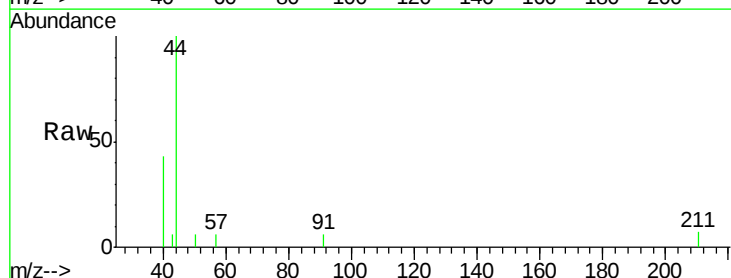
Acq: 24 Jan 2019 20:57

Tgt Ion: 91 Resp: 65

Ion Ratio Lower Upper

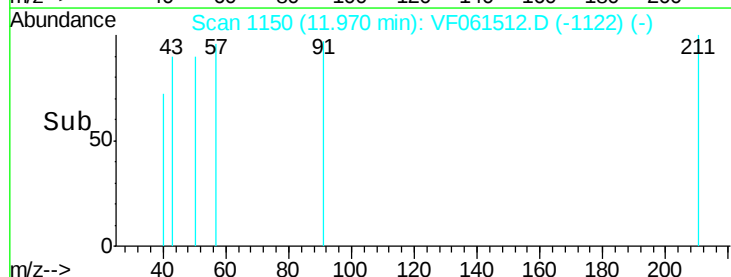
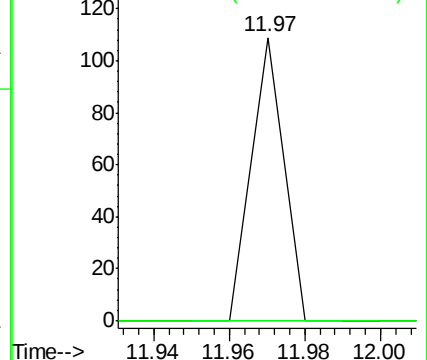
91 100

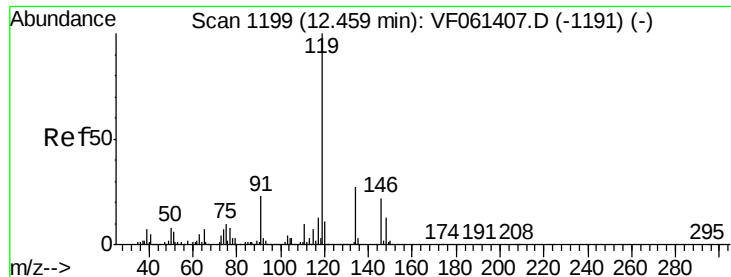
126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

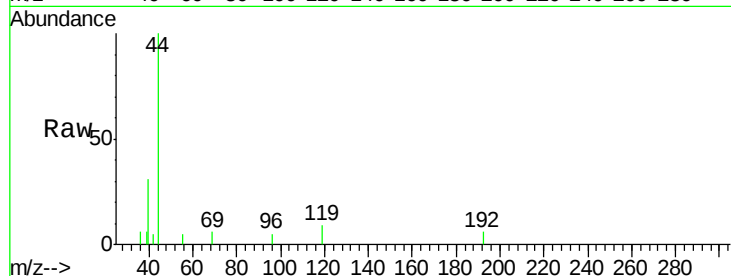




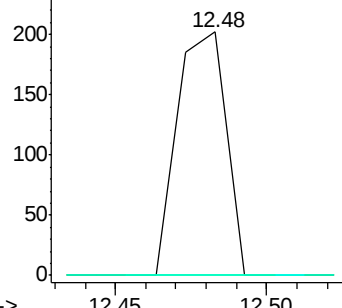
#86
 p-Isopropyltoluene
 Concen: 16.893 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.02 min
 Lab File: VF061512.D
 Acq: 24 Jan 2019 20:57

Instrument :
 MSVOA_F
 ClientSampleId :
 MULCH-1

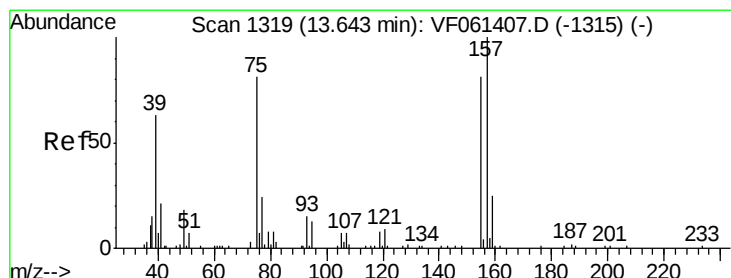
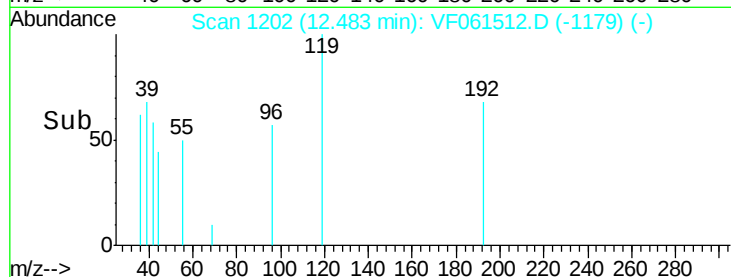
Tot Ion:119 Resp: 229
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.4 40.2#
 91 0.0 11.4 34.2#



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

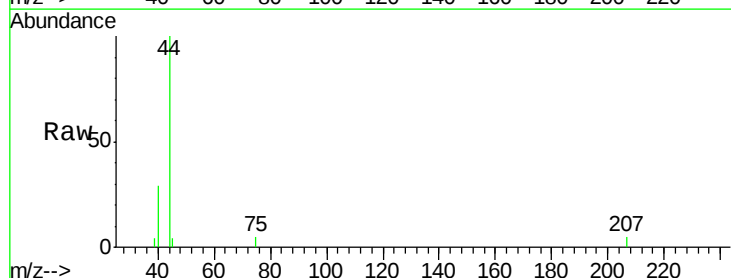


Time-->

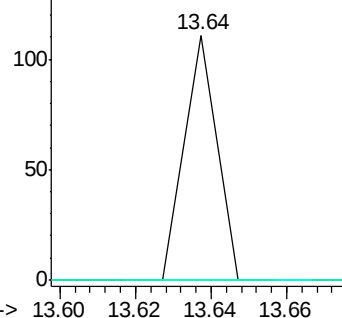


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 143.474 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061512.D
 Acq: 24 Jan 2019 20:57

Tgt Ion: 75 Resp: 66
 Ion Ratio Lower Upper
 75 100
 155 0.0 49.7 149.1#
 157 0.0 61.4 184.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V



Time-->

