

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
 Data File : VF062070.D
 Acq On : 21 Mar 2019 19:48
 Operator : VA/AP
 Sample : K1694-05
 Misc : 6.93q/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-032019-C

Quant Time: Mar 22 08:10:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	5834	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	6587	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	3693	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	928	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	558	13.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	26.58%	
35) Dibromofluoromethane	4.14	113	1664	37.62	ug/l	0.03
Spiked Amount	50.000		Recovery	=	75.24%	
50) Toluene-d8	7.58	98	4865	37.62	ug/l	0.03
Spiked Amount	50.000		Recovery	=	75.24%	
62) 4-Bromofluorobenzene	11.42	95	1063	20.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.38%	

Target Compounds

						Qvalue
3) Chloromethane	1.09	50	77	1.218	ug/l #	46
4) Vinyl Chloride	1.24	62	88	1.440	ug/l #	40
5) Bromomethane	1.34	94	378	8.803	ug/l #	33
6) Chloroethane	1.25	64	67	2.123	ug/l #	40
8) Diethyl Ether	1.76	74	81	4.499	ug/l	67
12) 1,1-Dichloroethene	1.74	96	191	3.879	ug/l #	1
13) Acrolein	1.93	56	541	195.018	ug/l	88
14) Allyl chloride	2.12	41	549	8.735	ug/l #	61
15) Acrylonitrile	2.96	53	68	8.702	ug/l #	71
16) Acetone	2.27	43	1340	142.096	ug/l #	50
18) Methyl Acetate	2.37	43	1450	67.851	ug/l #	53
20) Methylene Chloride	2.20	84	283	5.752	ug/l #	44
21) trans-1,2-Dichloroethene	2.34	96	90	1.752	ug/l #	1
22) Diisopropyl ether	2.86	45	1304	8.625	ug/l #	25
23) Vinyl Acetate	3.18	43	448	7.517	ug/l #	77
24) 1,1-Dichloroethane	2.88	63	129	1.467	ug/l #	1
25) 2-Butanone	4.35	43	83	4.444	ug/l #	51
26) 2,2-Dichloropropane	3.66	77	67	1.616	ug/l #	54
29) Tetrahydrofuran	4.12	42	406	49.986	ug/l #	33
37) Ethyl Acetate	4.09	43	68	2.546	ug/l #	19
41) Methacrylonitrile	4.74	41	102	7.148	ug/l #	22
43) Isopropyl Acetate	6.98	43	166	5.253	ug/l #	38
48) Methyl methacrylate	6.71	41	78	3.819	ug/l #	20
51) 4-Methyl-2-Pentanone	8.29	43	102	4.545	ug/l #	36
55) 1,1,2-Trichloroethane	8.45	97	62	2.307	ug/l #	14
56) Ethyl methacrylate	8.63	69	74	2.422	ug/l #	24
59) 2-Hexanone	9.54	43	124	7.635	ug/l #	23
74) N-amyl acetate	11.36	43	62	4.220	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.68	83	71	6.709	ug/l #	22
80) 1,3,5-Trimethylbenzene	11.83	105	73	1.410	ug/l #	25
83) tert-Butylbenzene	12.16	119	83	1.532	ug/l #	32
86) p-Isopropyltoluene	12.45	119	72	1.179	ug/l #	51
89) n-Butylbenzene	12.77	91	86	1.499	ug/l #	27
95) Naphthalene	14.48	128	66	1.950	ug/l #	70

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration

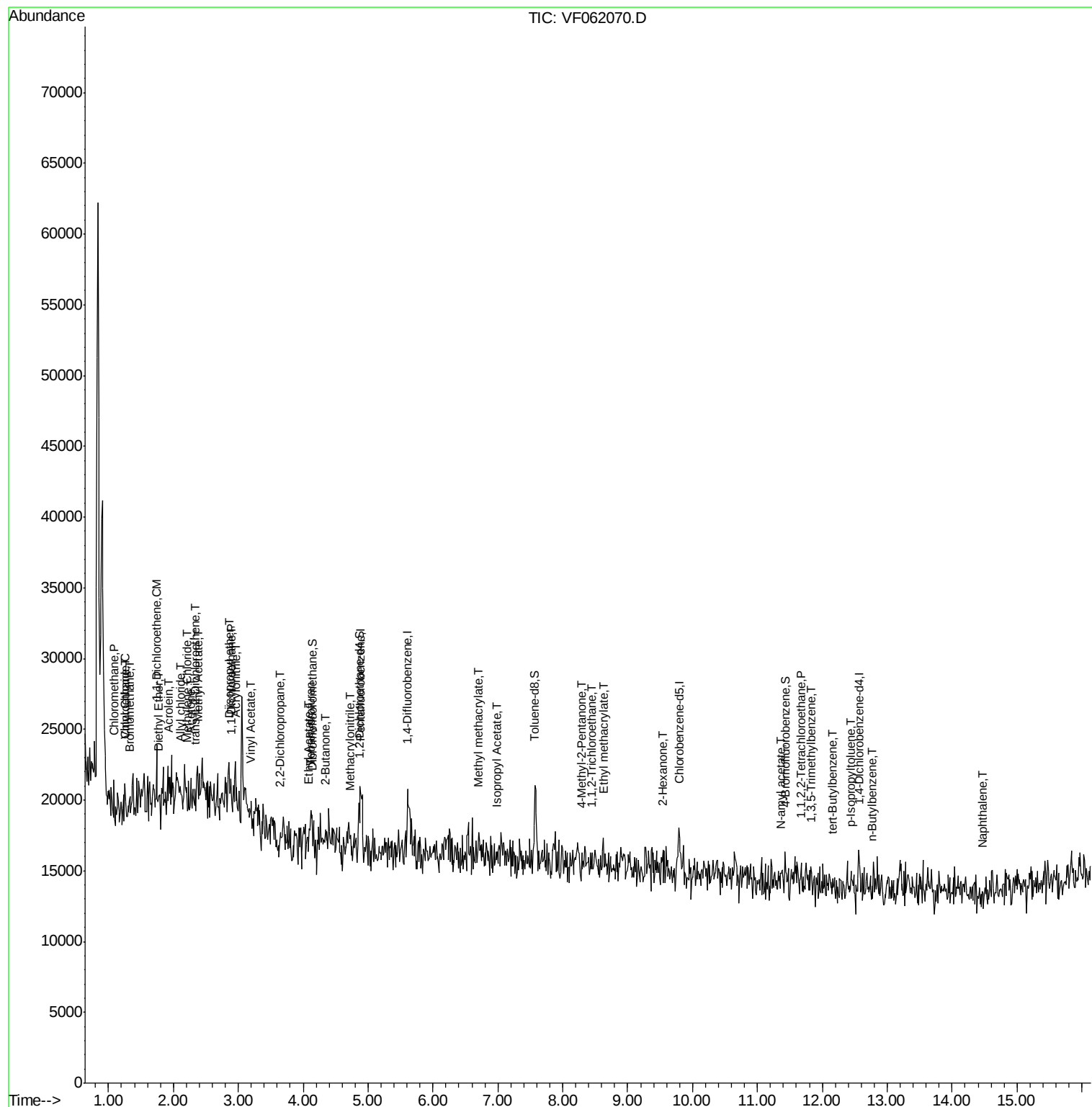
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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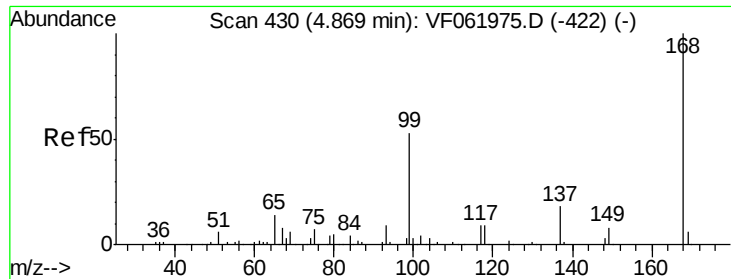
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

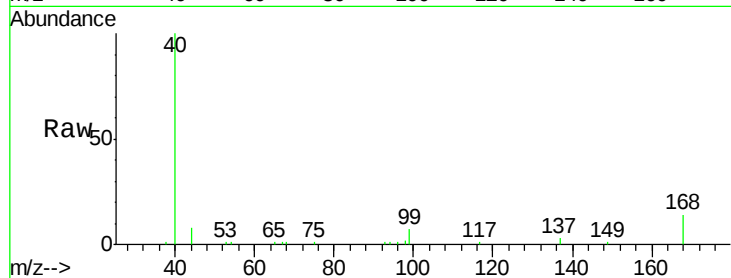
EO-02-032019-C

Tot Ion:168 Resp: 5834

Ion Ratio Lower Upper

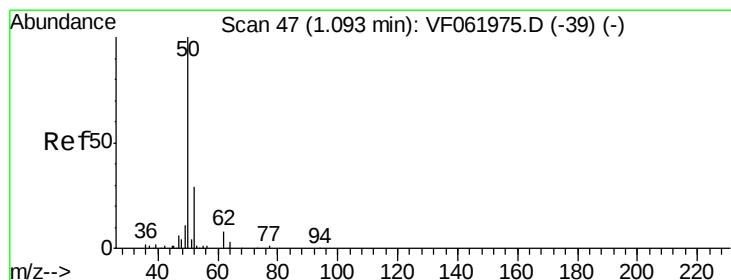
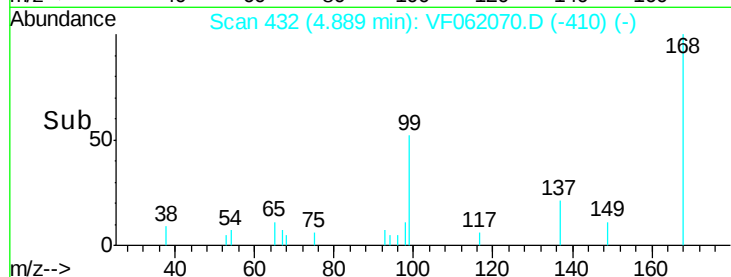
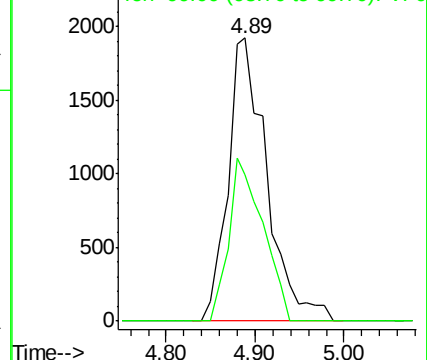
168 100

99 51.5 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.218 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062070.D

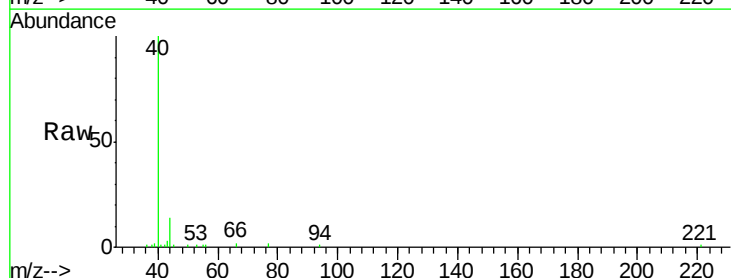
Acq: 21 Mar 2019 19:48

Tgt Ion: 50 Resp: 77

Ion Ratio Lower Upper

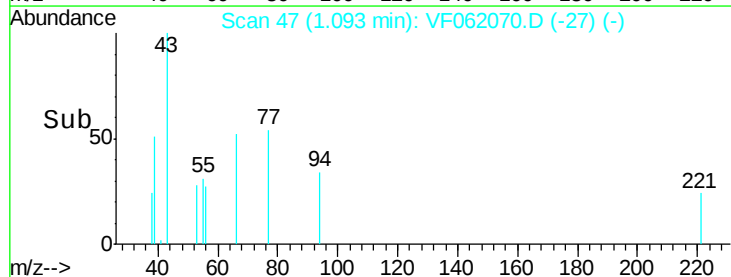
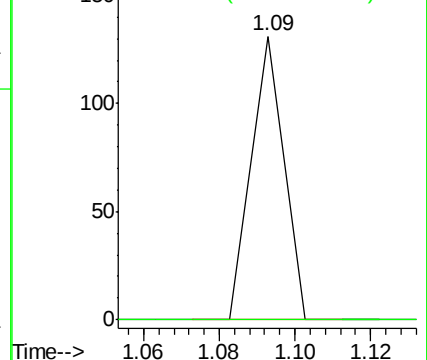
50 100

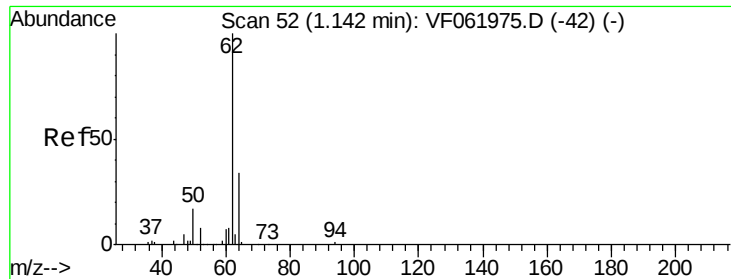
52 0.0 22.6 34.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#4

Vinyl Chloride

Concen: 1.440 ug/l

RT: 1.24 min Scan# 62

Delta R.T. 0.10 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

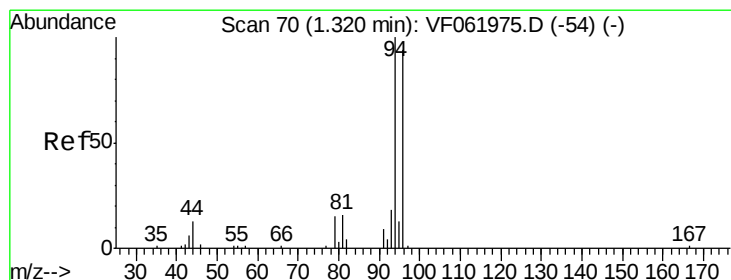
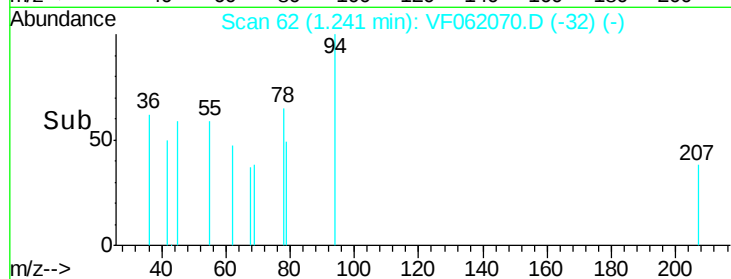
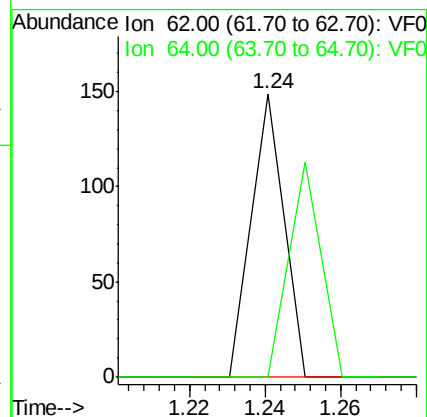
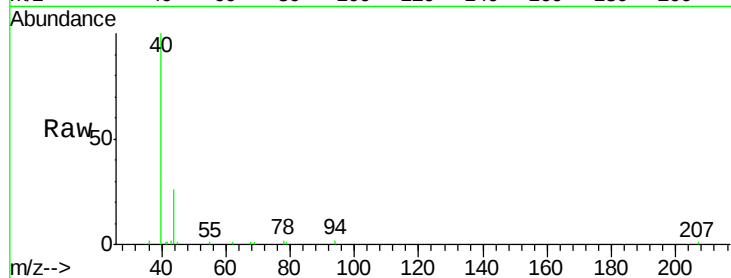
EO-02-032019-C

Tot Ion: 62 Resp: 88

Ion Ratio Lower Upper

62 100

64 0.0 27.4 41.2#



#5

Bromomethane

Concen: 8.803 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.02 min

Lab File: VF062070.D

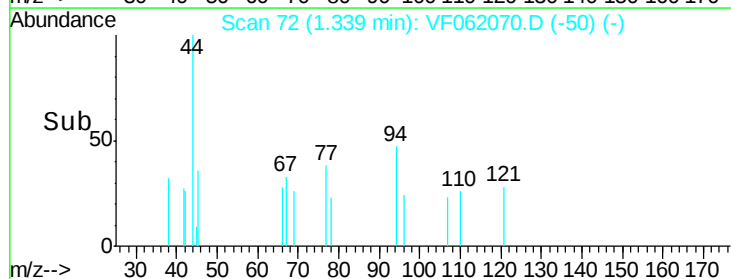
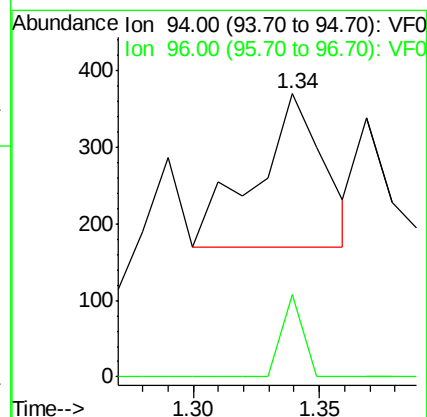
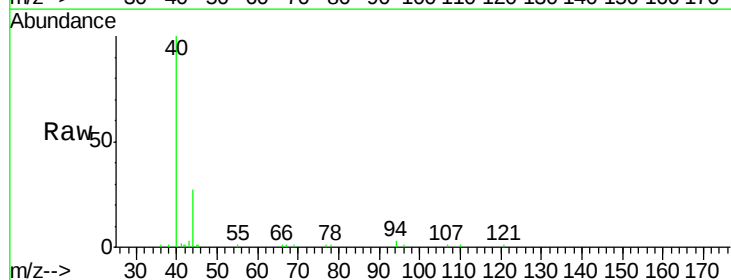
Acq: 21 Mar 2019 19:48

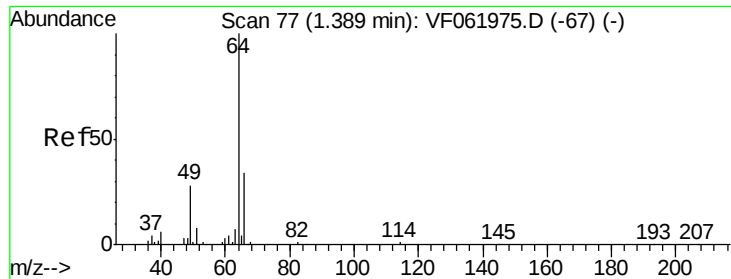
Tgt Ion: 94 Resp: 378

Ion Ratio Lower Upper

94 100

96 28.9 75.0 112.6#





#6

Chloroethane

Concen: 2.123 ug/l

RT: 1.25 min Scan# 63

Delta R.T. -0.14 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

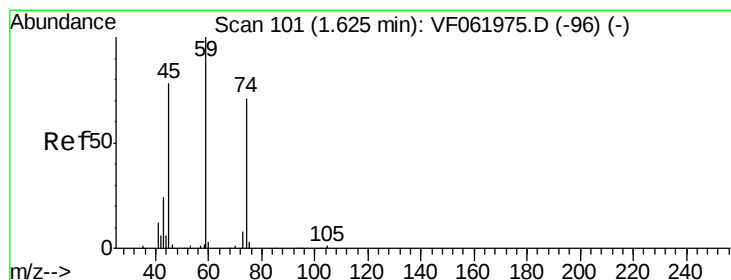
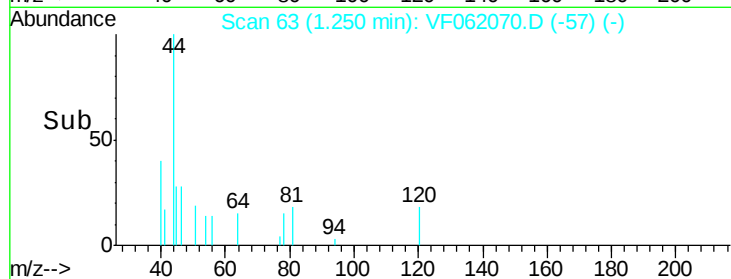
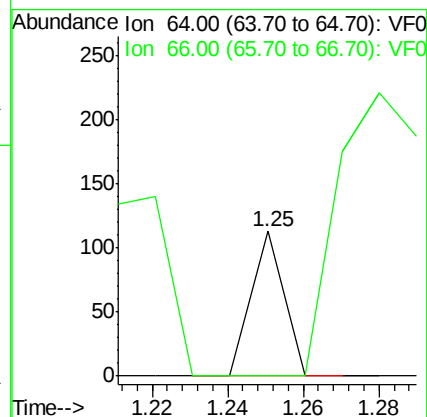
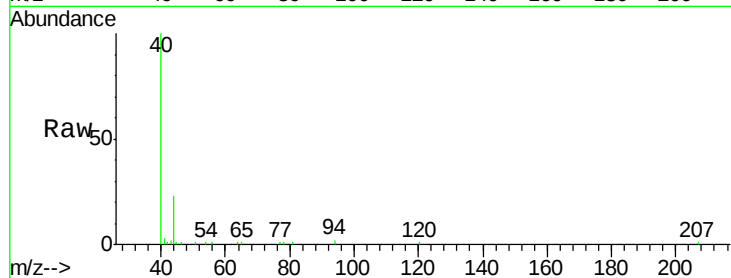
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Tot Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 0.0 27.6 41.4#



#8

Diethyl Ether

Concen: 4.499 ug/l

RT: 1.76 min Scan# 115

Delta R.T. 0.14 min

Lab File: VF062070.D

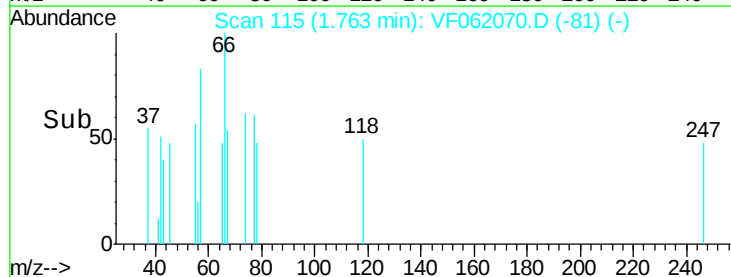
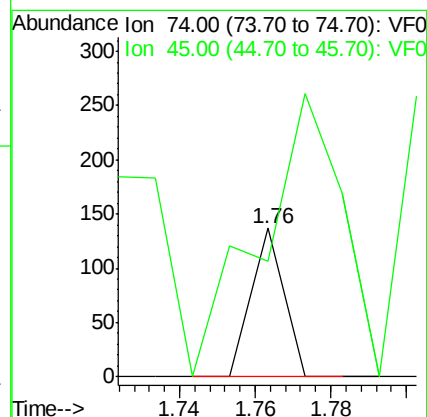
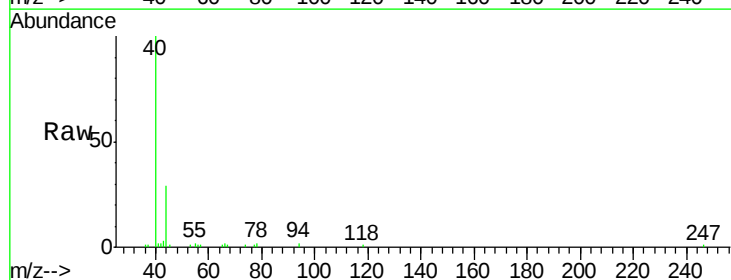
Acq: 21 Mar 2019 19:48

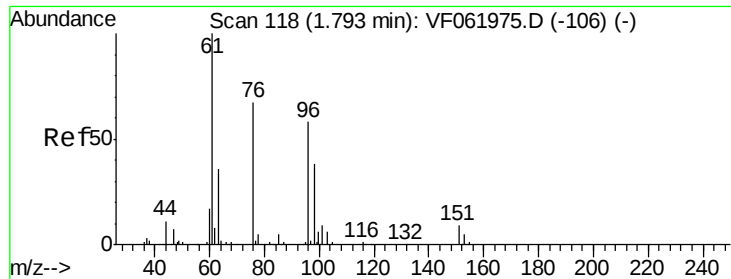
Tgt Ion: 74 Resp: 81

Ion Ratio Lower Upper

74 100

45 77.4 56.3 168.8





#12

1,1-Dichloroethene

Concen: 3.879 ug/l

RT: 1.74 min Scan# 113

Delta R.T. -0.05 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

EO-02-032019-C

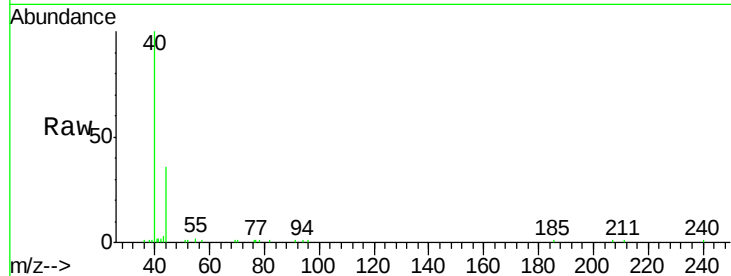
Tot Ion: 96 Resp: 191

Ion Ratio Lower Upper

96 100

61 0.0 138.6 208.0#

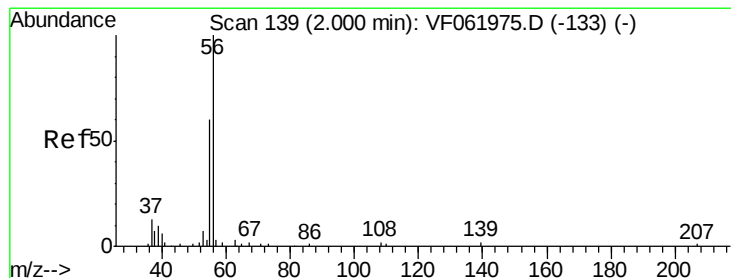
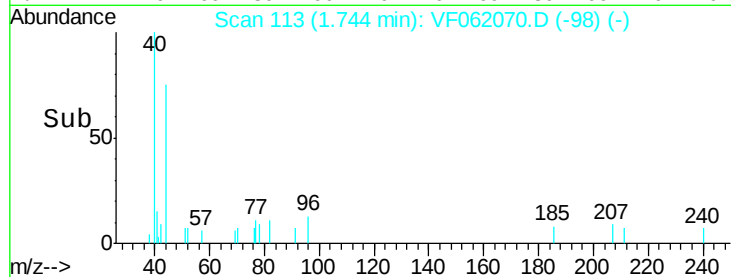
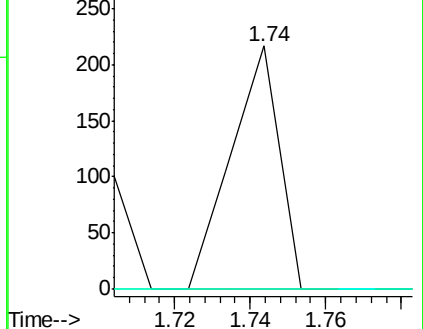
98 0.0 53.2 79.8#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 195.018 ug/l

RT: 1.93 min Scan# 132

Delta R.T. -0.07 min

Lab File: VF062070.D

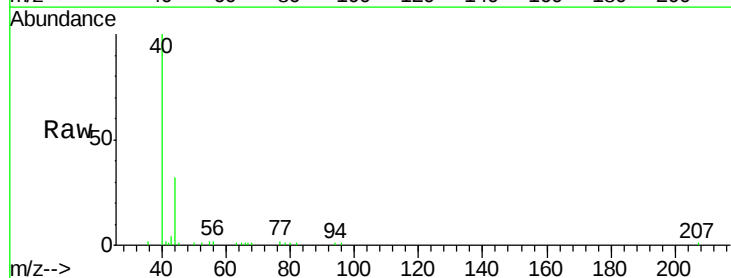
Acq: 21 Mar 2019 19:48

Tgt Ion: 56 Resp: 541

Ion Ratio Lower Upper

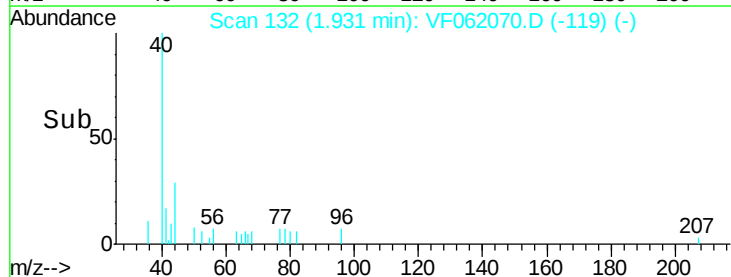
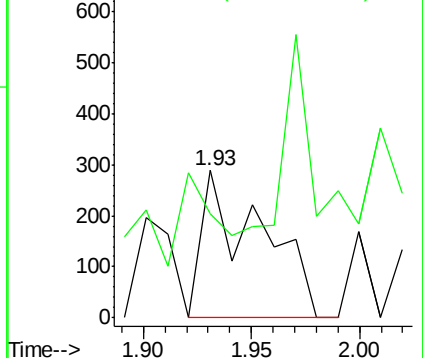
56 100

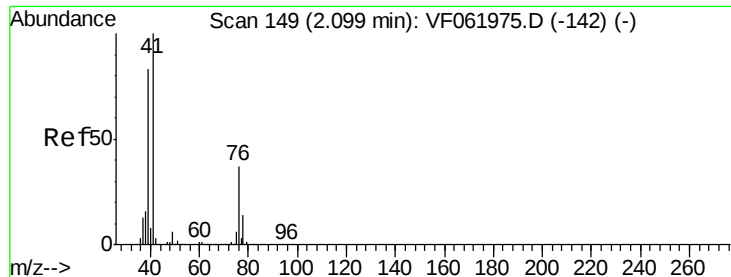
55 70.2 49.1 73.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

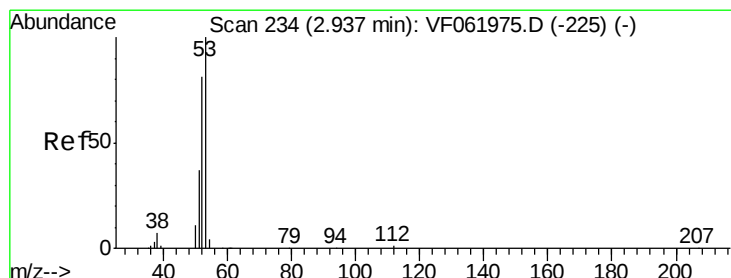
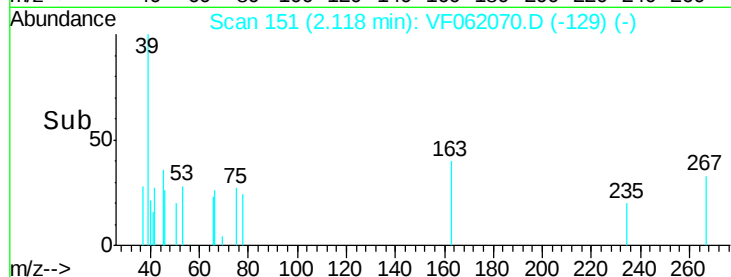
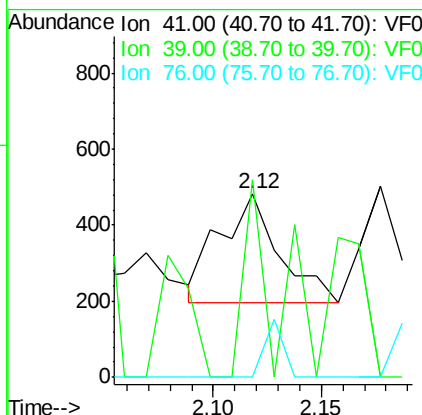
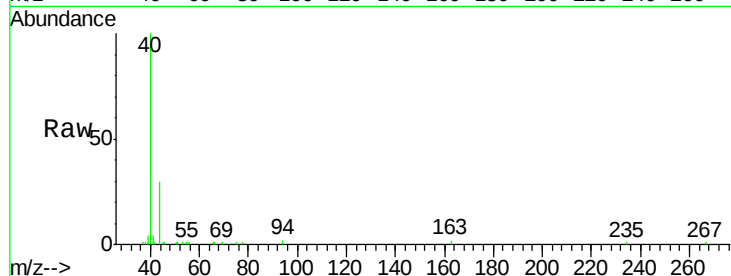




#14
Allvl chloride
Concen: 8.735 ug/l
RT: 2.12 min Scan# 151
Delta R.T. 0.02 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

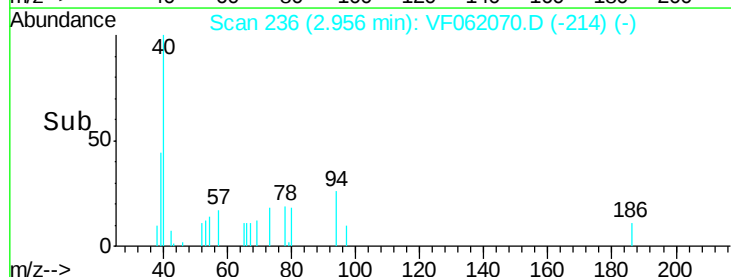
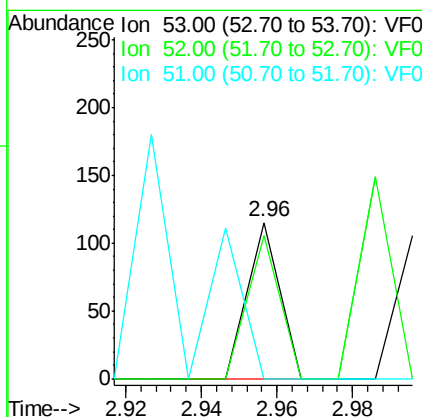
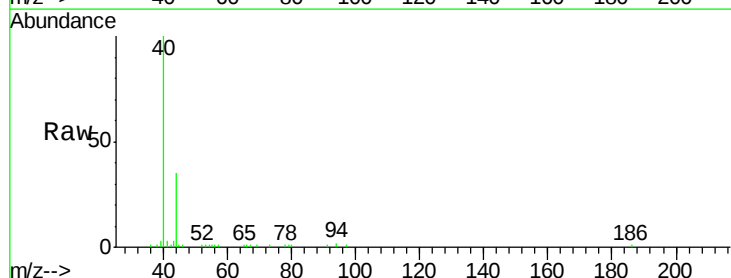
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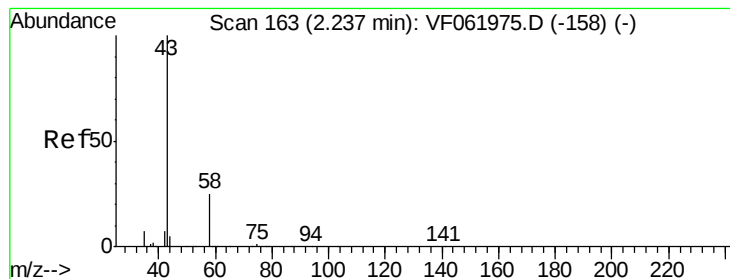
Tot Ion: 41 Resp: 549
Ion Ratio Lower Upper
41 100
39 107.9 66.8 100.2#
76 0.0 31.1 46.7#



#15
Acrylonitrile
Concen: 8.702 ug/l
RT: 2.96 min Scan# 236
Delta R.T. 0.02 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

Tgt Ion: 53 Resp: 68
Ion Ratio Lower Upper
53 100
52 92.2 64.4 96.6
51 0.0 30.3 45.5#





#16

Acetone

Concen: 142.096 ug/l

RT: 2.27 min Scan# 166

Delta R.T. 0.03 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

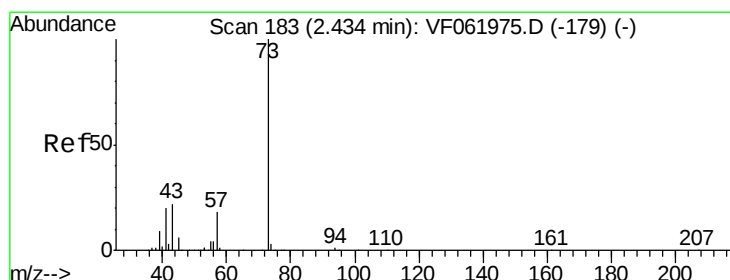
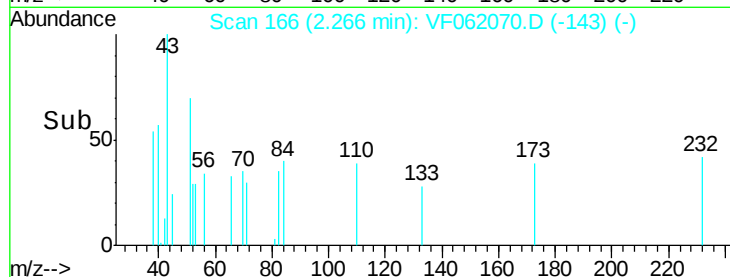
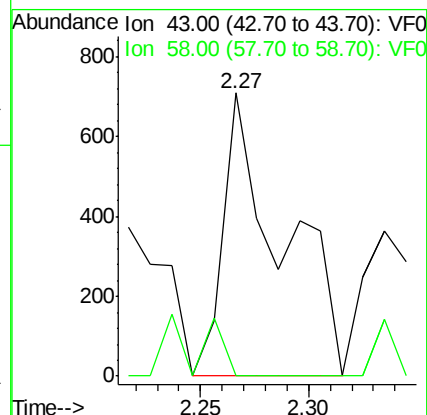
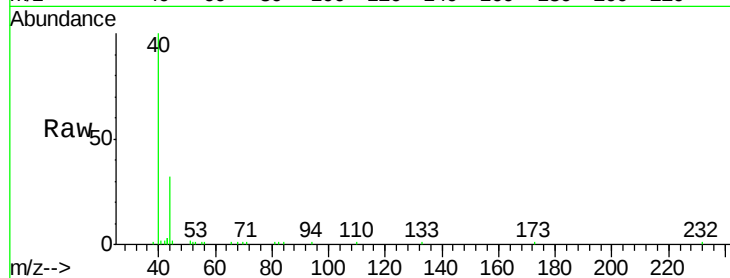
EO-02-032019-C

Tot Ion: 43 Resp: 1340

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



#18

Methyl Acetate

Concen: 67.851 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.03 min

Lab File: VF062070.D

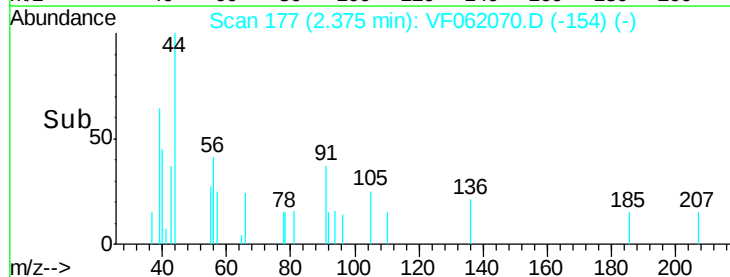
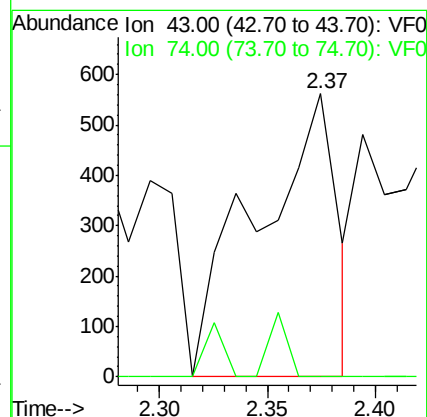
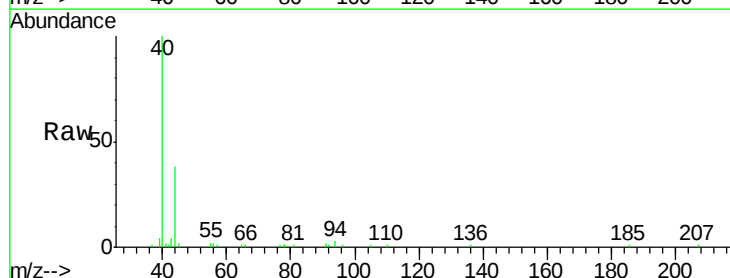
Acq: 21 Mar 2019 19:48

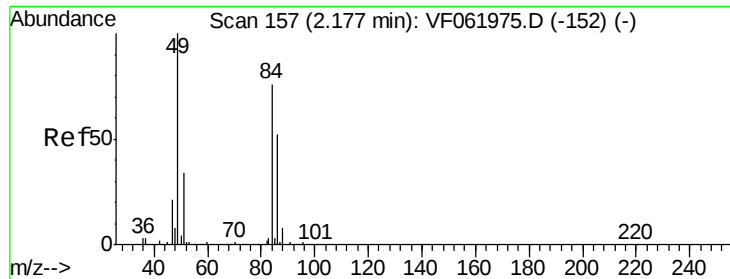
Tgt Ion: 43 Resp: 1450

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#

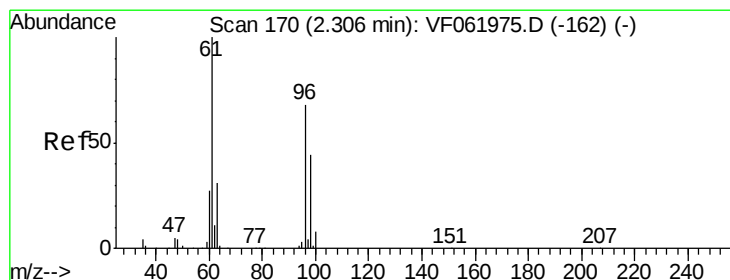
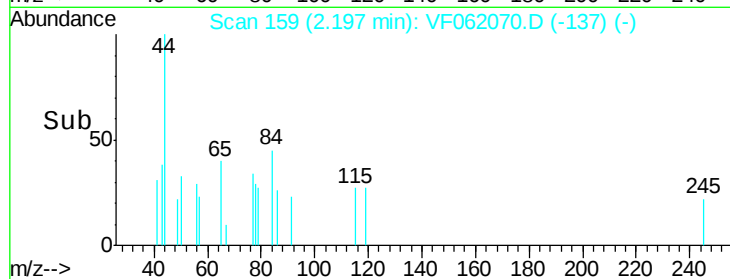
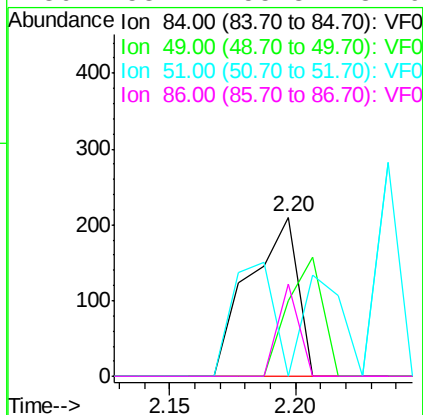
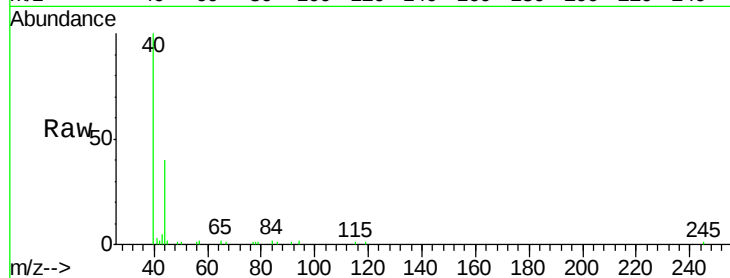




#20
Methvlene Chloride
Concen: 5.752 ug/l
RT: 2.20 min Scan# 159
Delta R.T. 0.02 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

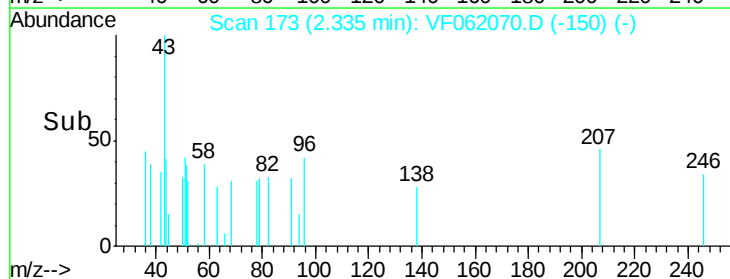
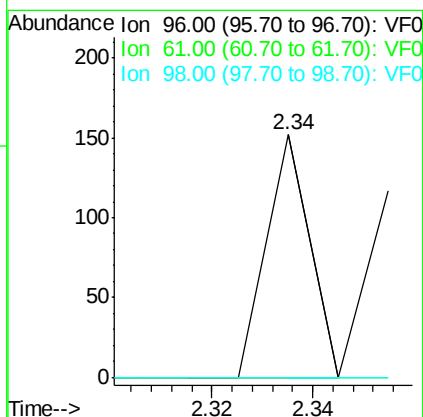
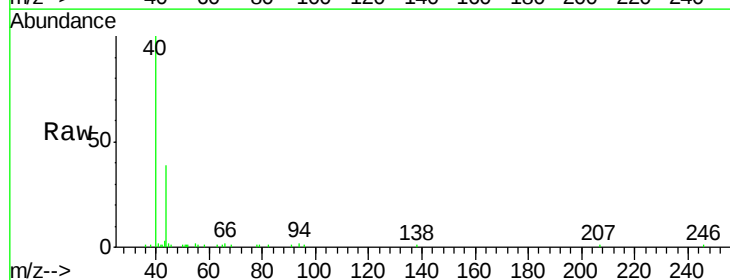
Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-C

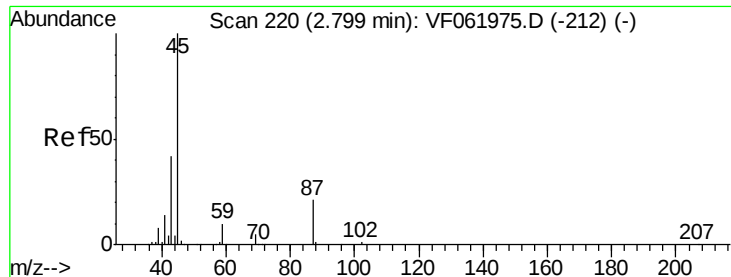
Tot Ion: 84 Resp: 283
Ion Ratio Lower Upper
84 100
49 47.6 107.0 160.6#
51 0.0 37.2 55.8#
86 58.1 55.3 82.9



#21
trans-1,2-Dichloroethene
Concen: 1.752 ug/l
RT: 2.34 min Scan# 173
Delta R.T. 0.03 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

Tgt Ion: 96 Resp: 90
Ion Ratio Lower Upper
96 100
61 0.0 117.4 176.2#
98 0.0 51.2 76.8#





#22

Diisopropyl ether

Concen: 8.625 ug/l

RT: 2.86 min Scan# 226

Delta R.T. 0.06 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

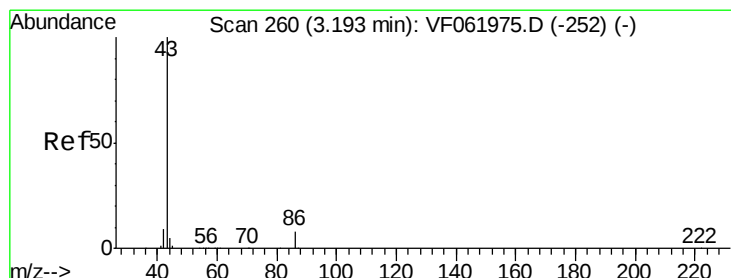
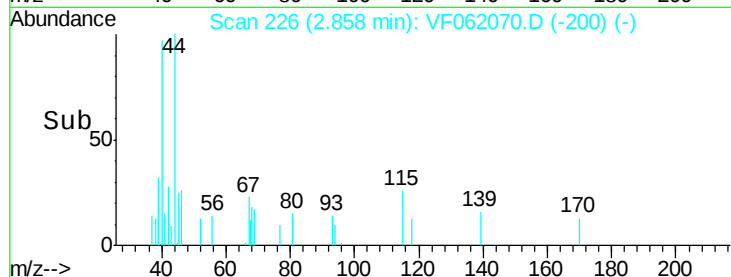
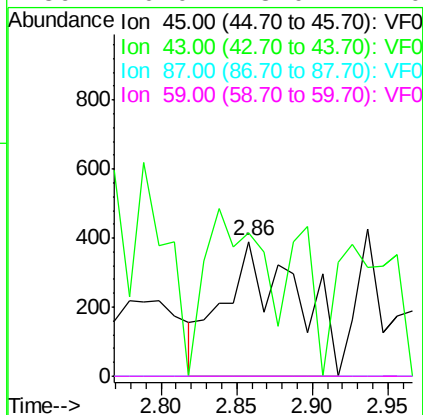
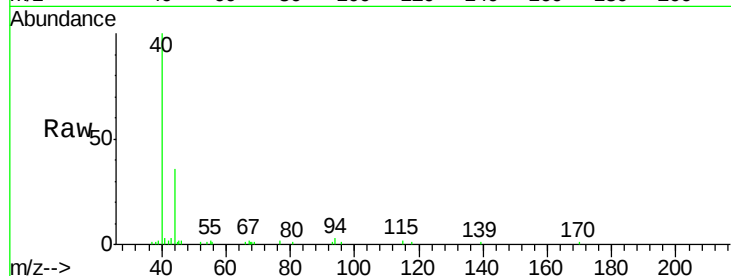
Instrument :

MSVOA_F

ClientSampleId :

EO-02-032019-C

Tot Ion:	45	Resp:	1304
Ion	Ratio	Lower	Upper
45	100		
43	106.2	33.7	50.5#
87	0.0	17.1	25.7#
59	0.0	8.0	12.0#



#23

Vinyl Acetate

Concen: 7.517 ug/l

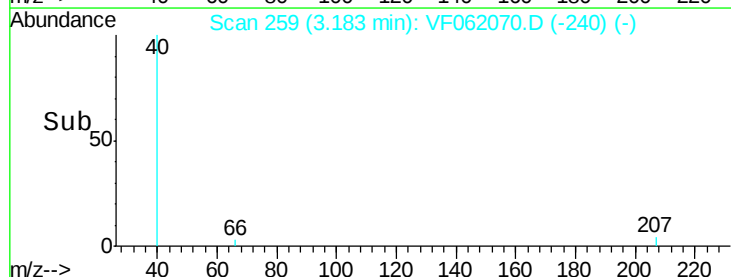
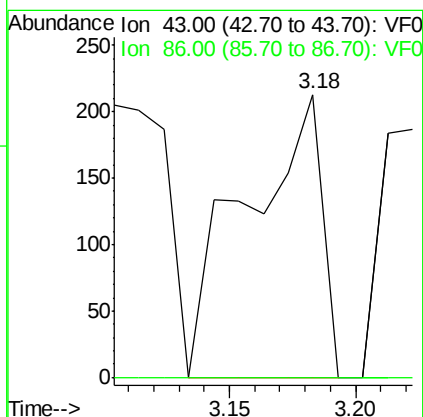
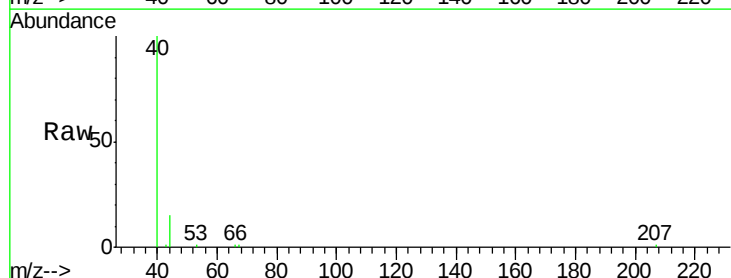
RT: 3.18 min Scan# 259

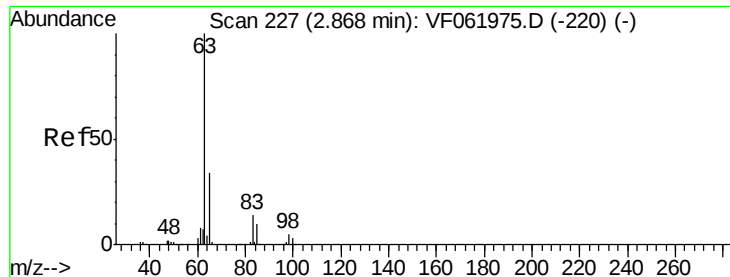
Delta R.T. -0.01 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Tgt Ion:	43	Resp:	448
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#





#24

1,1-Dichloroethane

Concen: 1.467 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

EO-02-032019-C

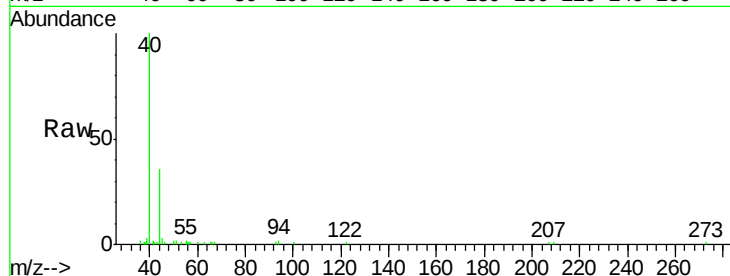
Tot Ion: 63 Resp: 129

Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

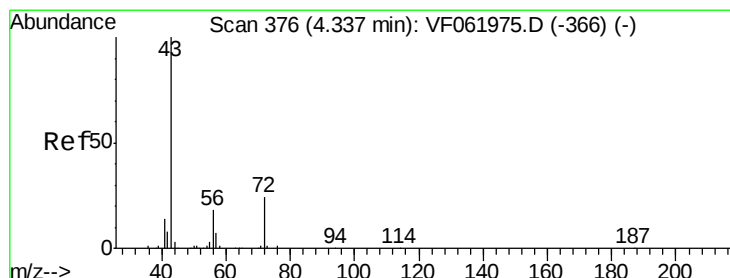
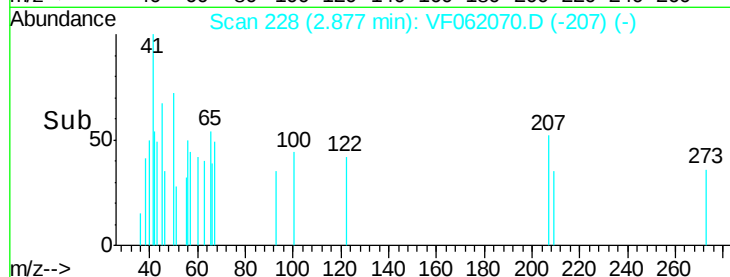
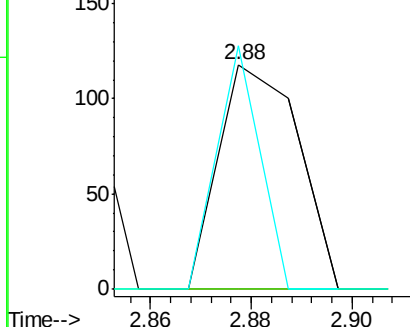
100 108.5 1.7 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 4.444 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF062070.D

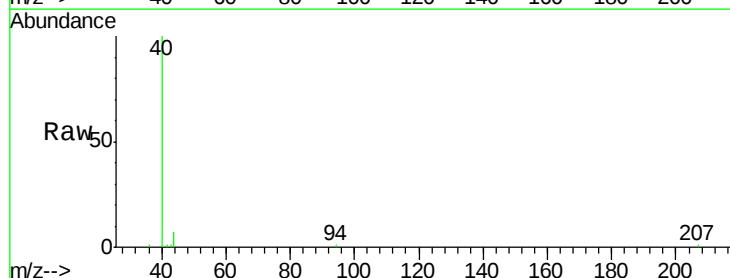
Acq: 21 Mar 2019 19:48

Tgt Ion: 43 Resp: 83

Ion Ratio Lower Upper

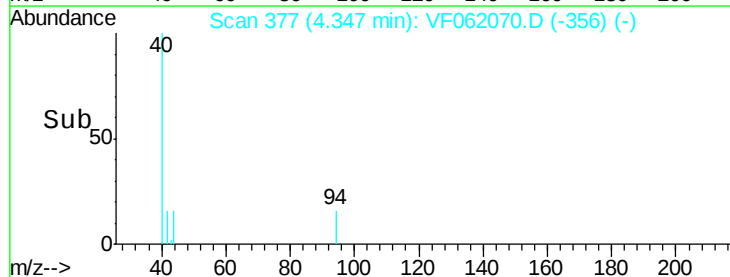
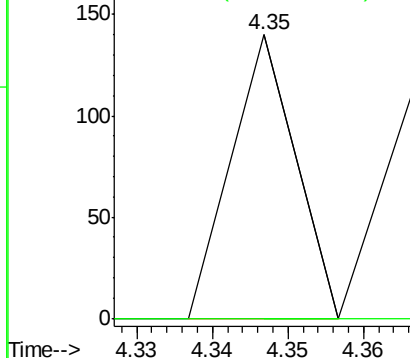
43 100

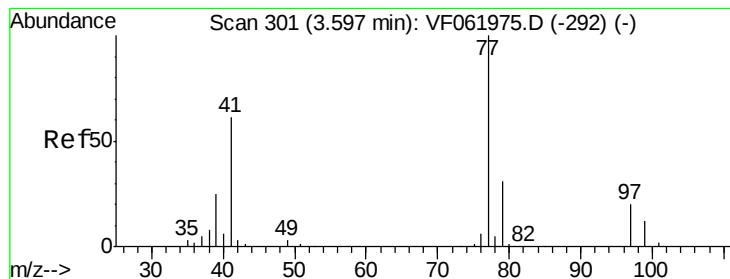
72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 1.616 ug/l

RT: 3.66 min Scan# 307

Delta R.T. 0.06 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

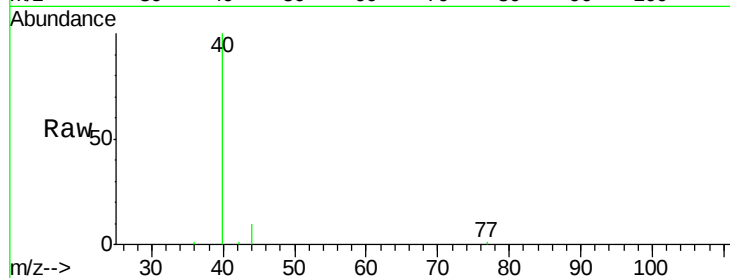
EO-02-032019-C

Tot Ion: 77 Resp: 67

Ion Ratio Lower Upper

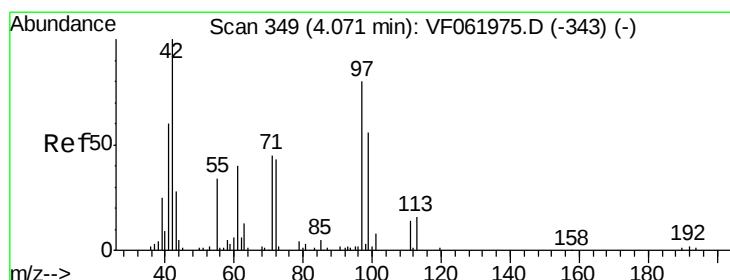
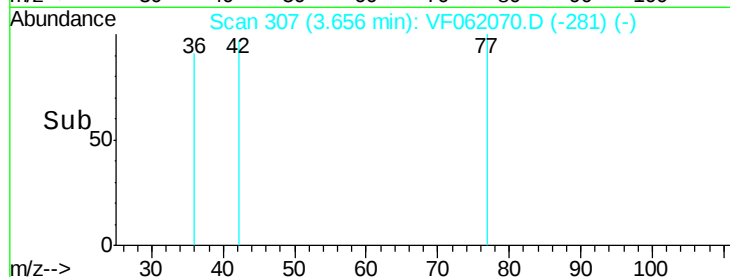
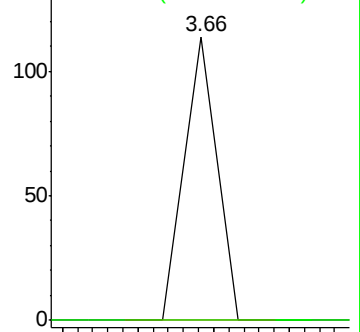
77 100

97 0.0 10.8 32.4#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



#29

Tetrahydrofuran

Concen: 49.986 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.05 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

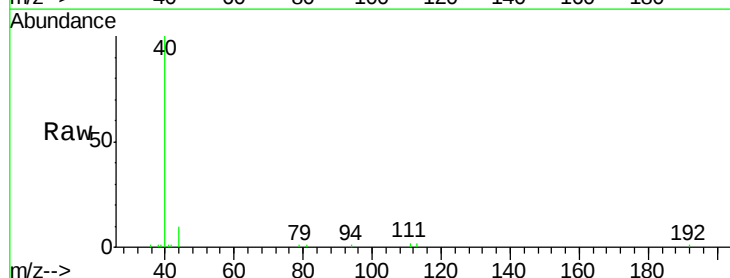
Tgt Ion: 42 Resp: 406

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

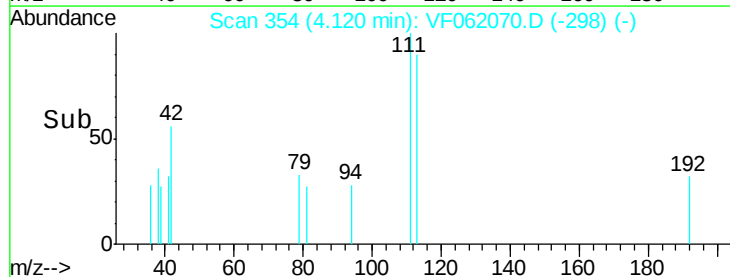
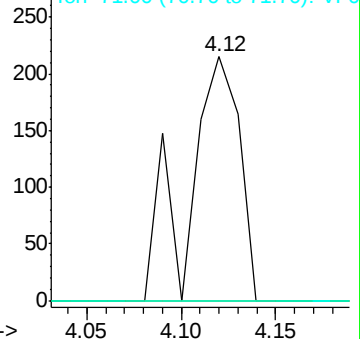
71 0.0 34.2 51.4#

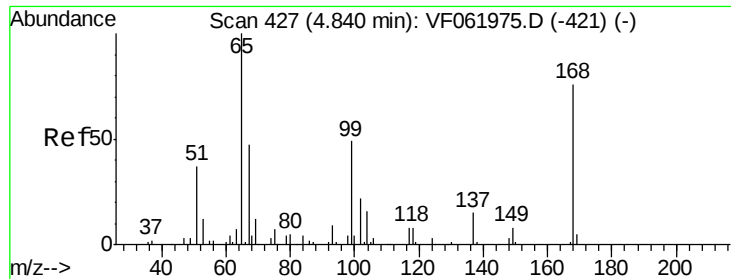


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

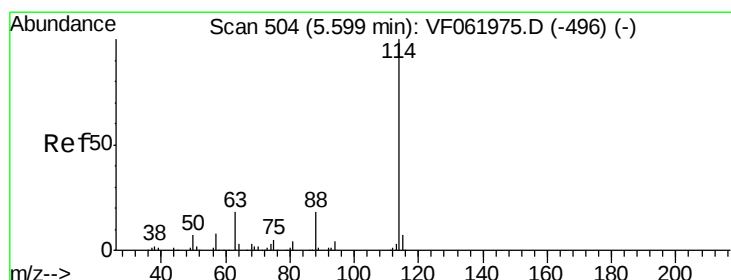
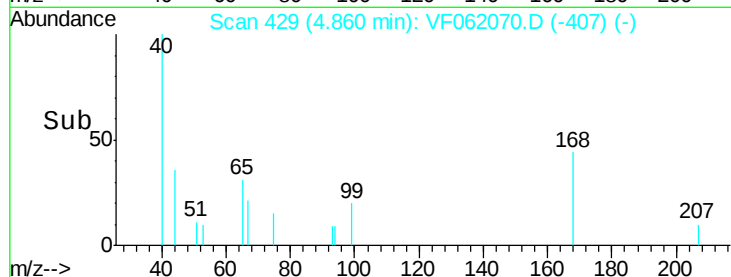
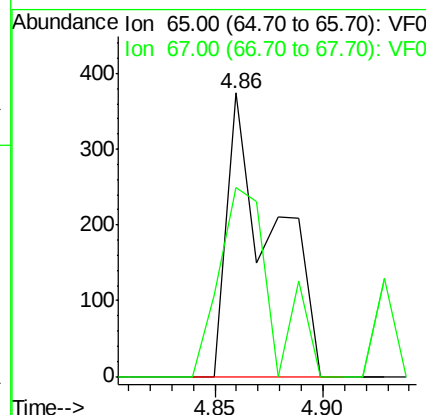
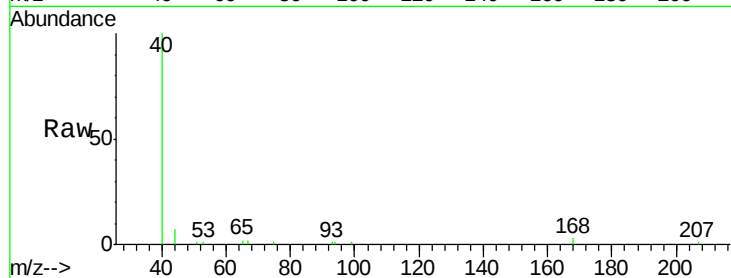




#33
 1,2-Dichloroethane-d4
 Concen: 13.287 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.02 min
 Lab File: VF062070.D
 Acq: 21 Mar 2019 19:48

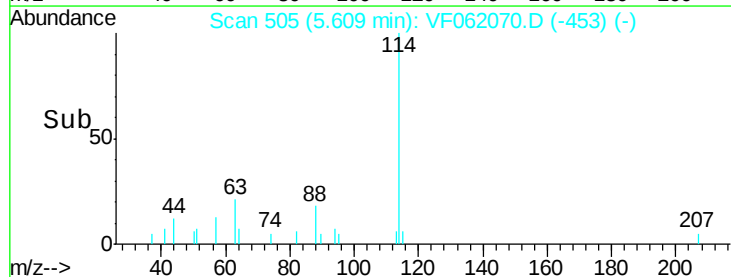
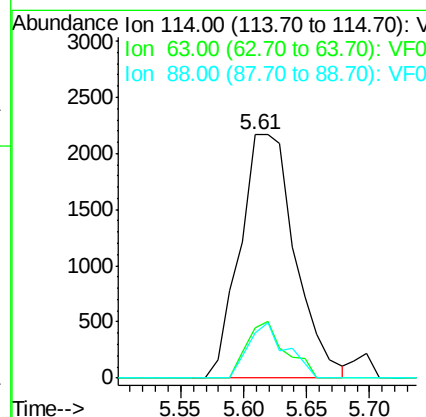
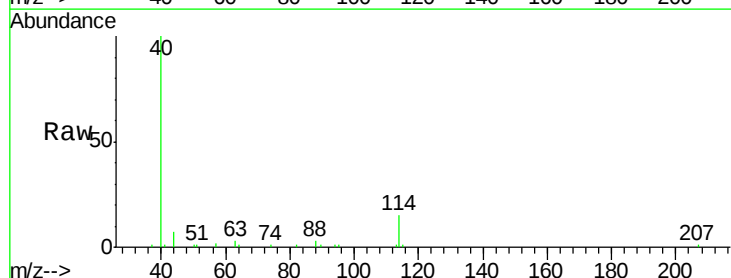
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-032019-C

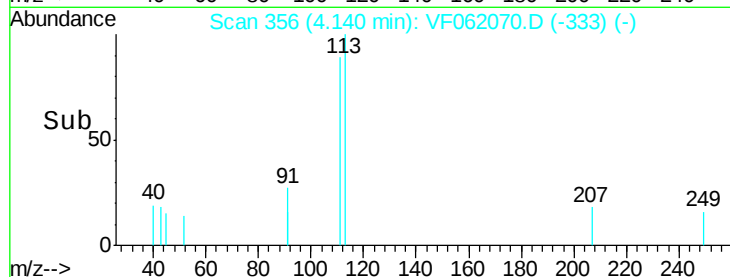
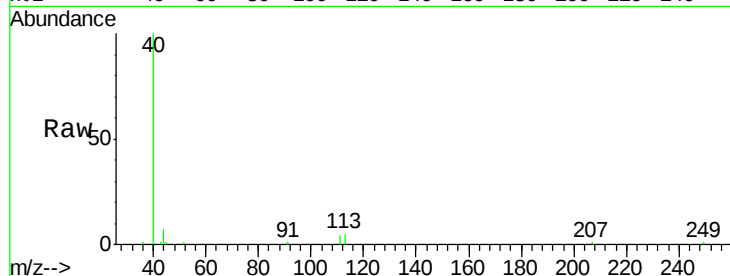
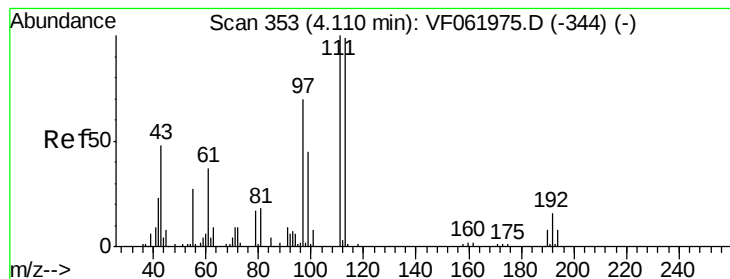
Tot Ion: 65 Resp: 558
 Ion Ratio Lower Upper
 65 100
 67 66.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VF062070.D
 Acq: 21 Mar 2019 19:48

Tgt Ion: 114 Resp: 6587
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 36.4
 88 18.4 0.0 36.4





#35

Dibromofluoromethane

Concen: 37.619 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.03 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

EO-02-032019-C

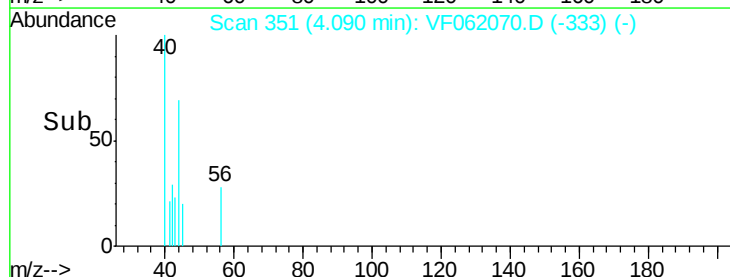
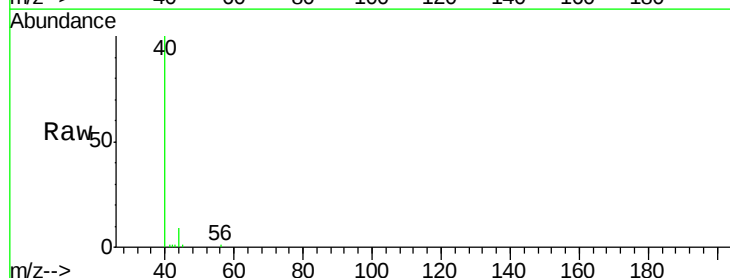
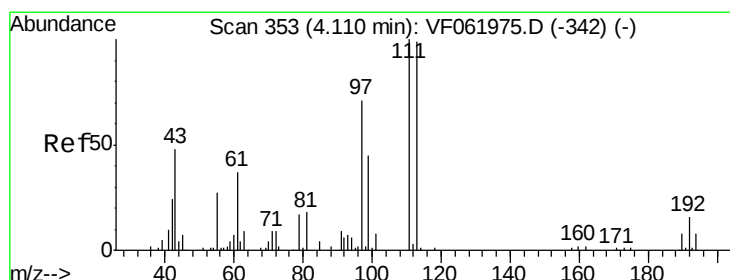
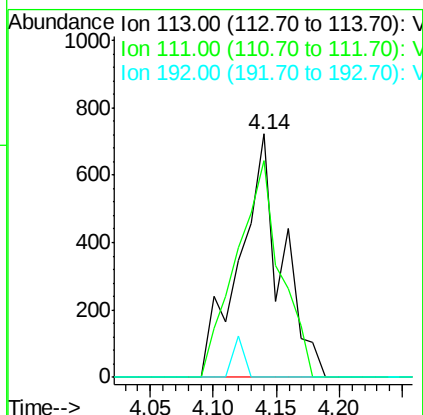
Tot Ion:113 Resp: 1664

Ion Ratio Lower Upper

113 100

111 89.1 80.8 121.2

192 0.0 13.0 19.6#



#37

Ethyl Acetate

Concen: 2.546 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

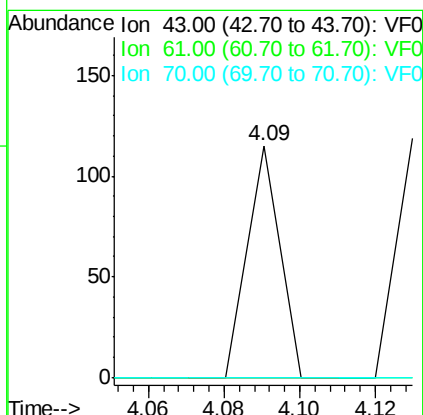
Tgt Ion: 43 Resp: 68

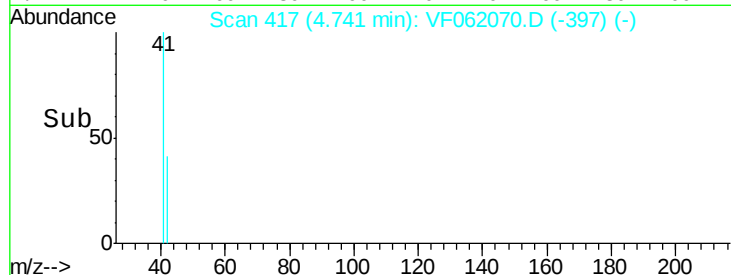
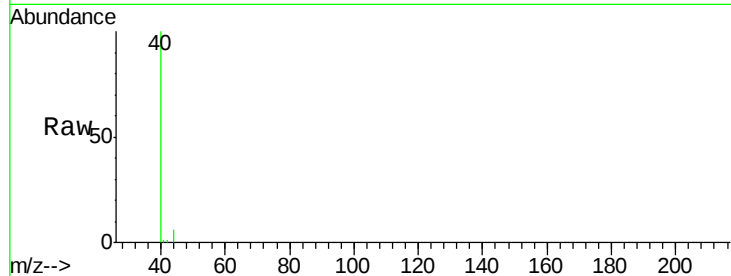
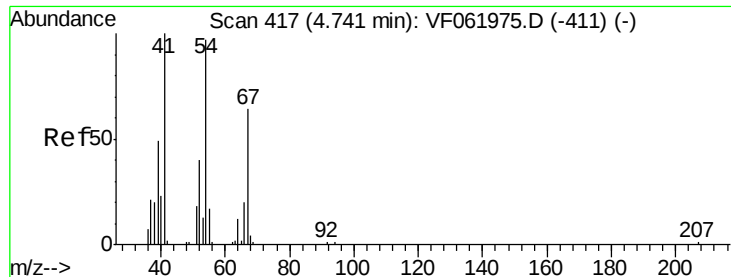
Ion Ratio Lower Upper

43 100

61 0.0 59.8 89.6#

70 0.0 7.8 11.8#





#41

Methacrylonitrile

Concen: 7.148 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.00 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

EO-02-032019-C

Tot Ion: 41 Resp: 102

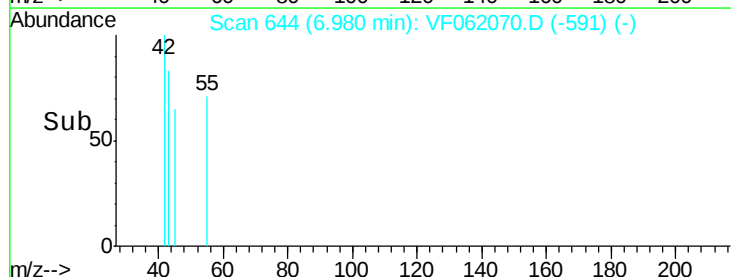
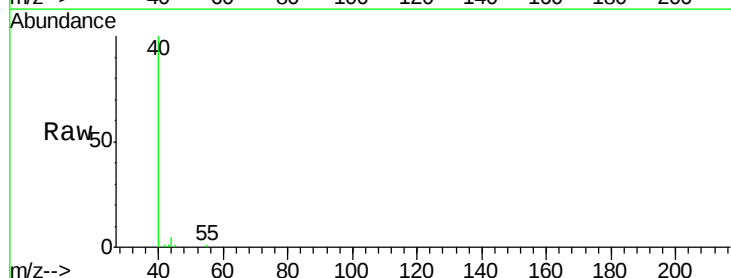
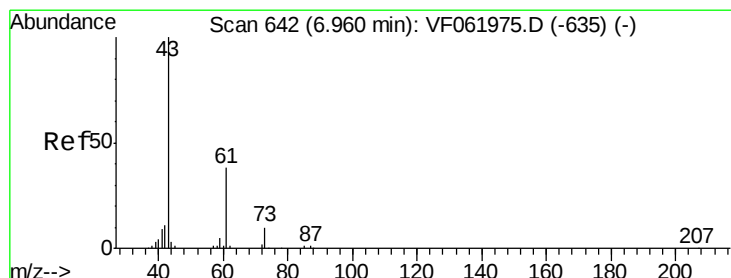
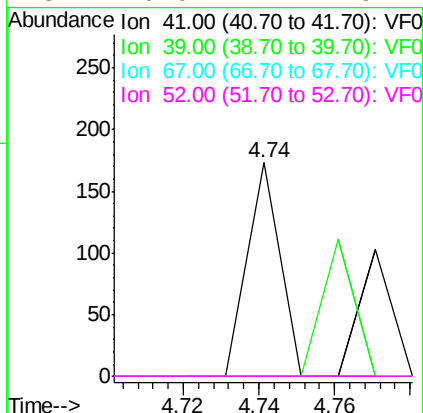
Ion Ratio Lower Upper

41 100

39 0.0 46.2 69.4#

67 0.0 49.8 74.8#

52 0.0 42.7 64.1#



#43

Isopropyl Acetate

Concen: 5.253 ug/l

RT: 6.98 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

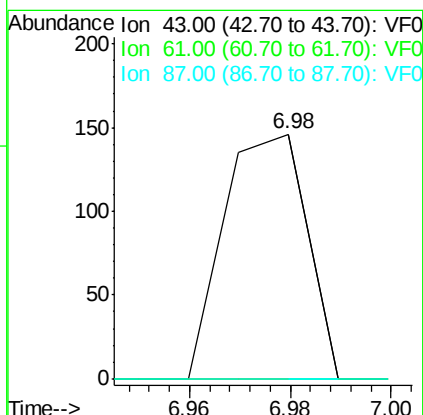
Tgt Ion: 43 Resp: 166

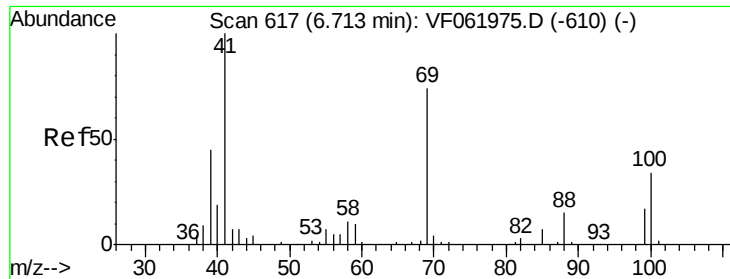
Ion Ratio Lower Upper

43 100

61 0.0 30.1 45.1#

87 0.0 0.4 0.6#

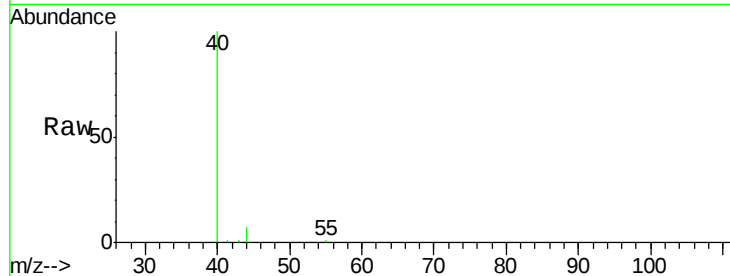




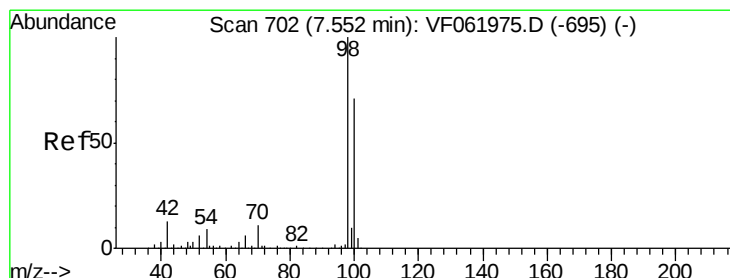
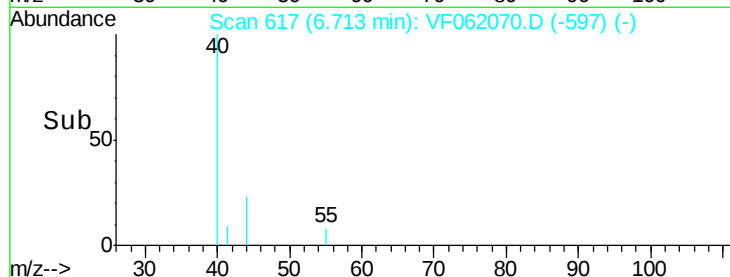
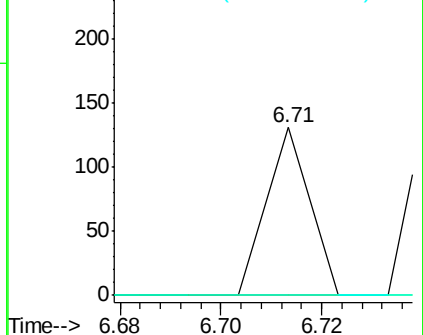
#48
Methyl methacrylate
Concen: 3.819 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.00 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-C

Tot Ion: 41 Resp: 78
Ion Ratio Lower Upper
41 100
69 0.0 59.0 88.6#
39 0.0 35.6 53.4#

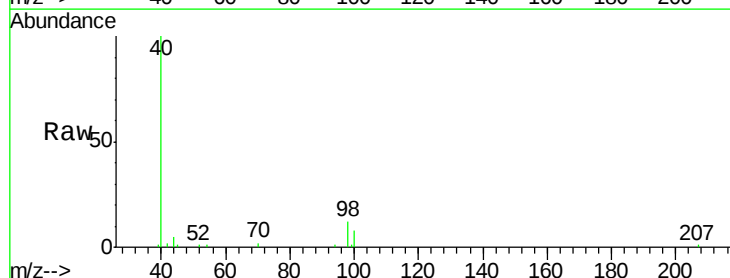


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

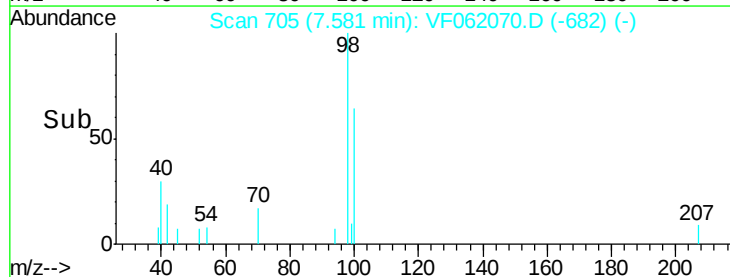
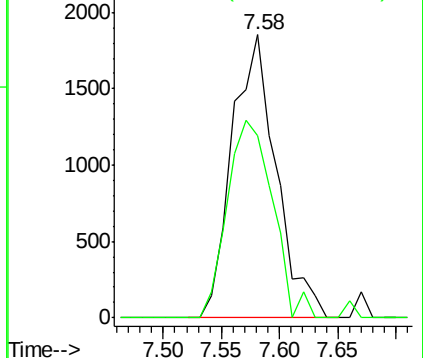


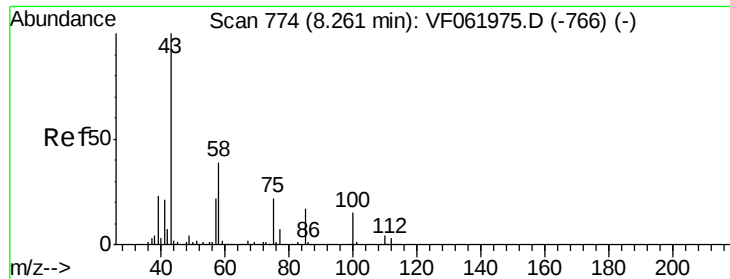
#50
Toluene-d8
Concen: 37.624 ug/l
RT: 7.58 min Scan# 705
Delta R.T. 0.03 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

Tgt Ion: 98 Resp: 4865
Ion Ratio Lower Upper
98 100
100 64.3 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 4.545 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.03 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

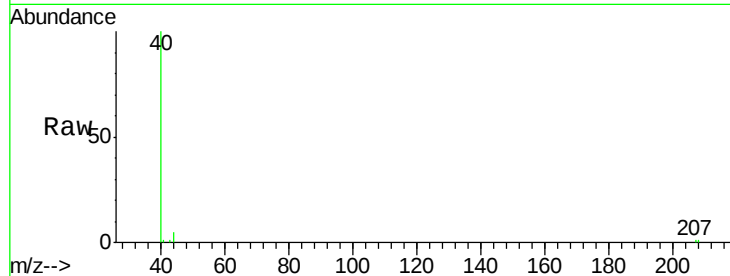
EO-02-032019-C

Tot Ion: 43 Resp: 102

Ion Ratio Lower Upper

43 100

58 0.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.29

150

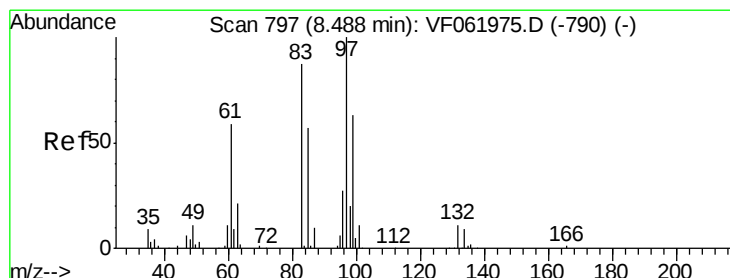
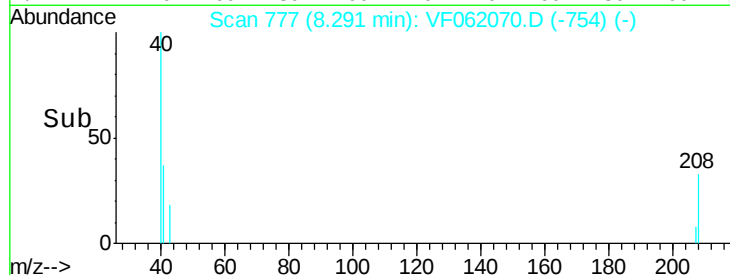
100

50

0

8.28 8.30 8.32

Time-->



#55

1,1,2-Trichloroethane

Concen: 2.307 ug/l

RT: 8.45 min Scan# 793

Delta R.T. -0.04 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Tgt Ion: 97 Resp: 62

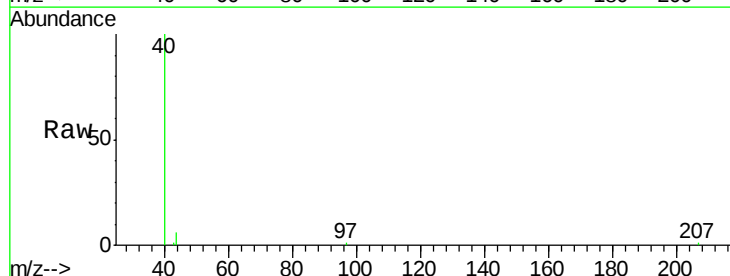
Ion Ratio Lower Upper

97 100

83 0.0 69.7 104.5#

85 0.0 45.8 68.6#

99 0.0 50.3 75.5#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

8.45

150

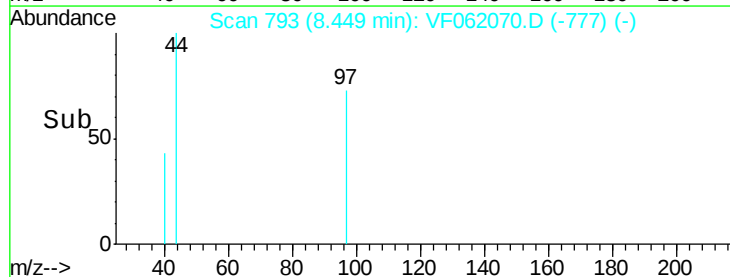
100

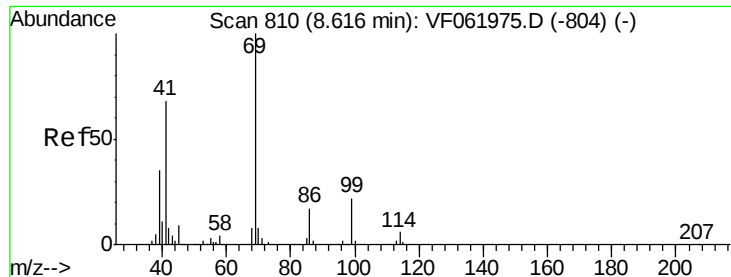
50

0

8.42 8.44 8.46 8.48

Time-->





#56

Ethyl methacrylate

Concen: 2.422 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.01 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

EO-02-032019-C

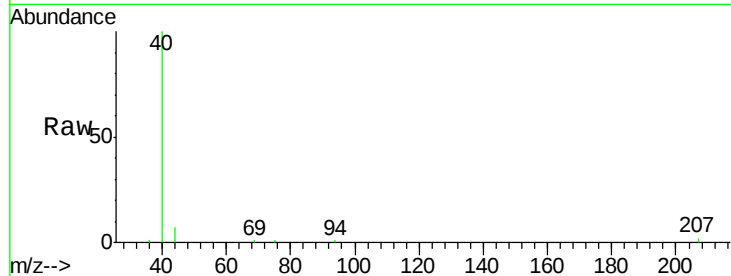
Tot Ion: 69 Resp: 74

Ion Ratio Lower Upper

69 100

41 0.0 54.7 82.1#

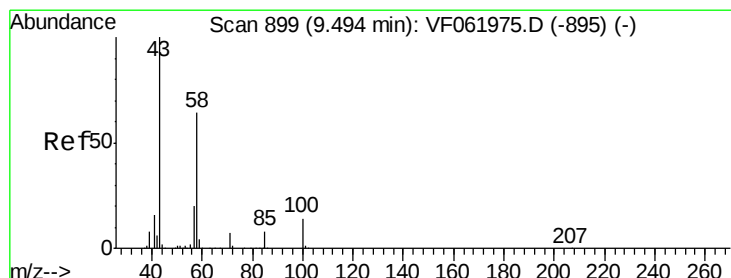
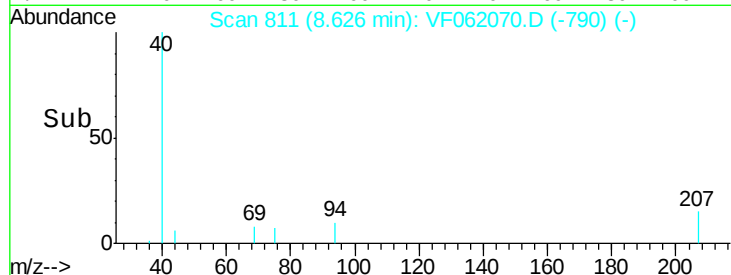
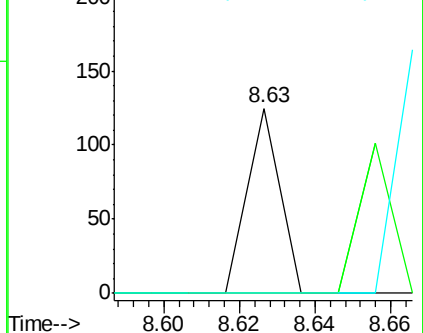
39 0.0 27.9 41.9#



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



#59

2-Hexanone

Concen: 7.635 ug/l

RT: 9.54 min Scan# 904

Delta R.T. 0.05 min

Lab File: VF062070.D

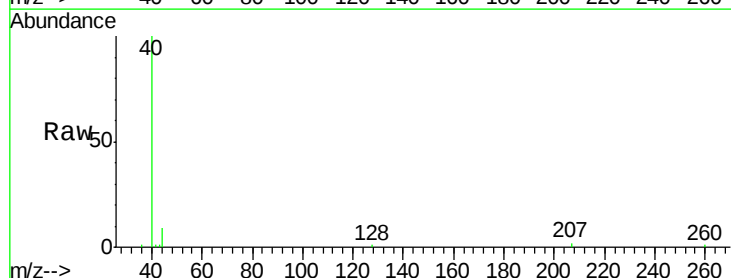
Acq: 21 Mar 2019 19:48

Tgt Ion: 43 Resp: 124

Ion Ratio Lower Upper

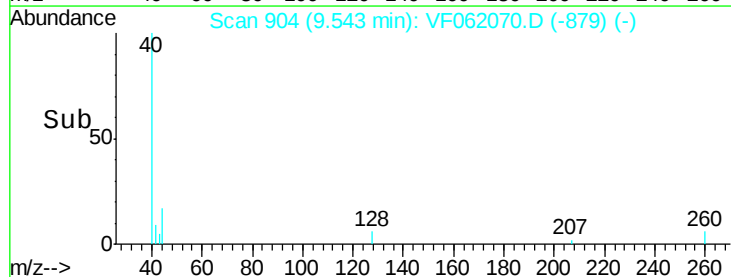
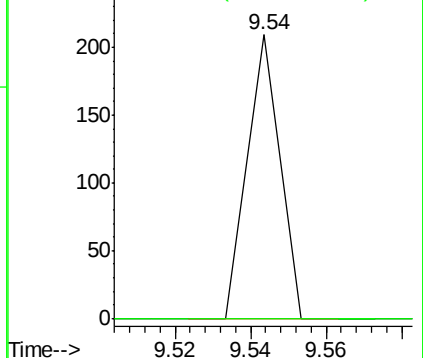
43 100

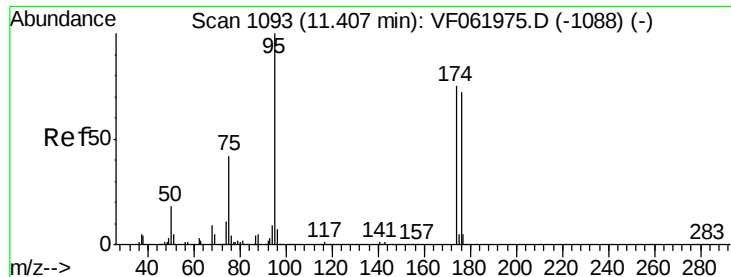
58 0.0 28.4 85.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 20.694 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

EO-02-032019-C

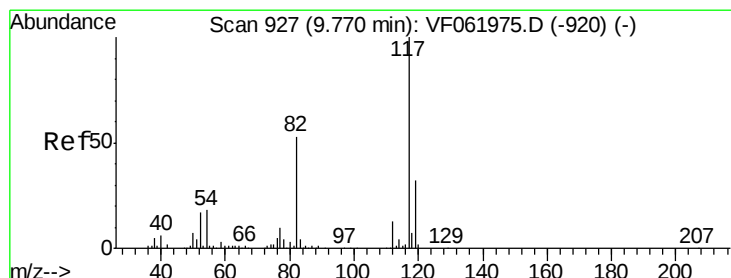
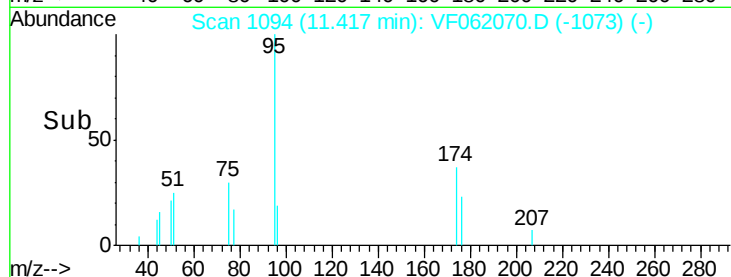
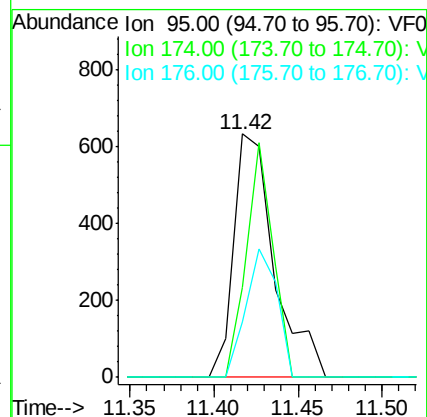
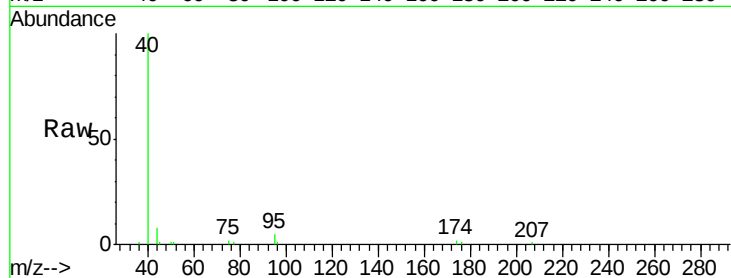
Tot Ion: 95 Resp: 1063

Ion Ratio Lower Upper

95 100

174 36.8 0.0 149.4

176 22.6 0.0 143.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.02 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

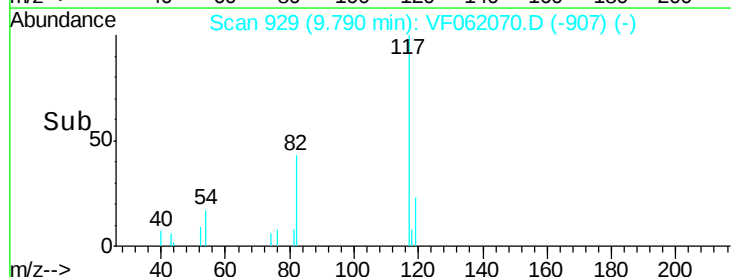
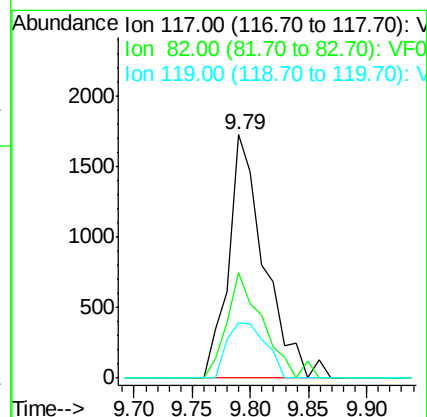
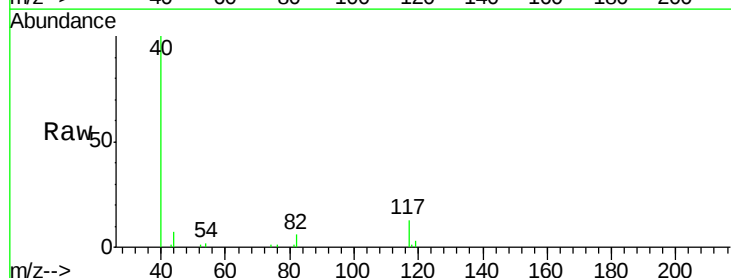
Tgt Ion: 117 Resp: 3693

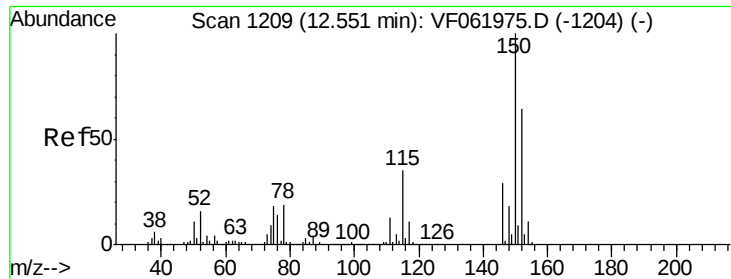
Ion Ratio Lower Upper

117 100

82 43.1 42.5 63.7

119 22.7 25.4 38.0#



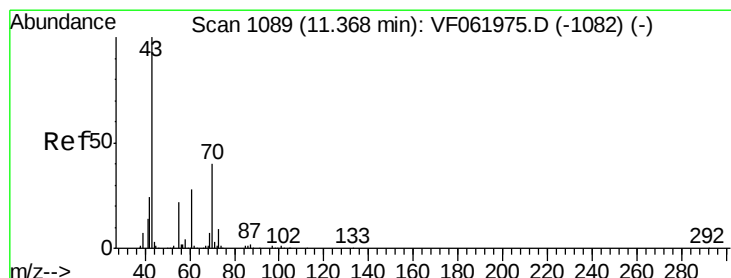
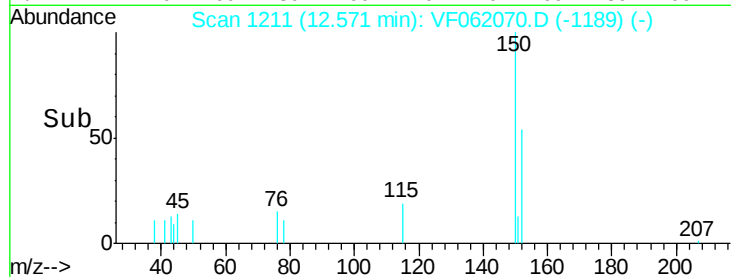
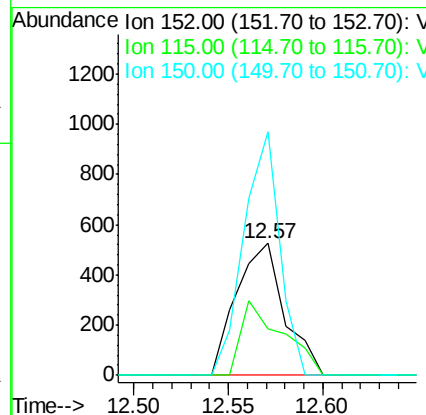
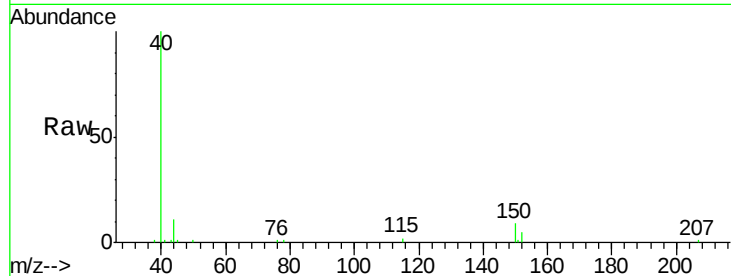


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. 0.02 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-C

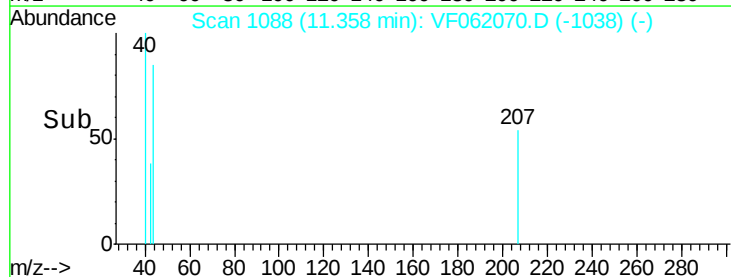
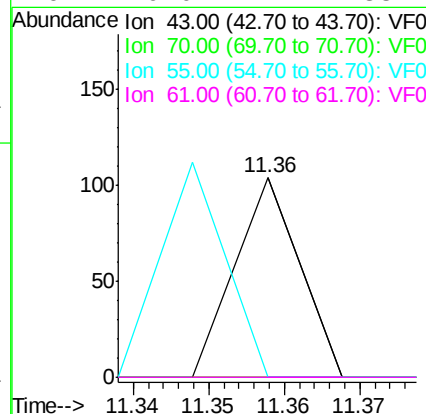
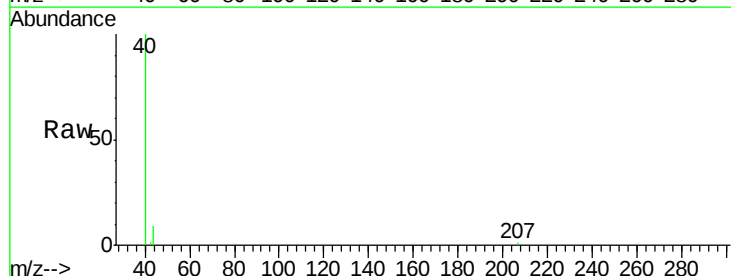
Tot Ion:152 Resp: 928
Ion Ratio Lower Upper
152 100
115 35.4 27.3 81.9
150 184.8 0.0 316.2

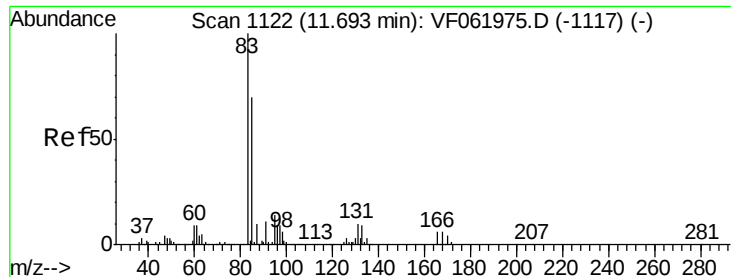


#74

N-ethyl acetate
Concen: 4.220 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
70 0.0 31.9 47.9#
55 0.0 17.9 26.9#
61 0.0 22.2 33.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 6.709 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

EO-02-032019-C

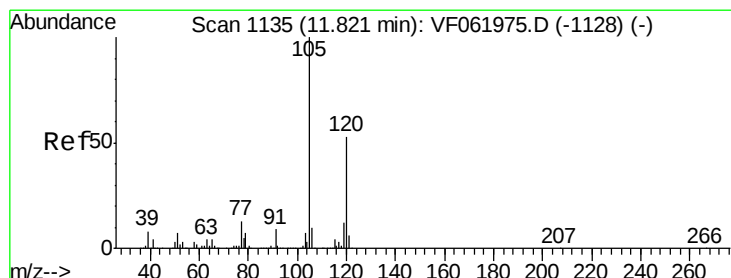
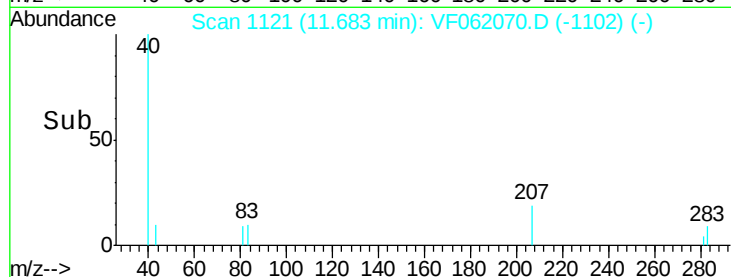
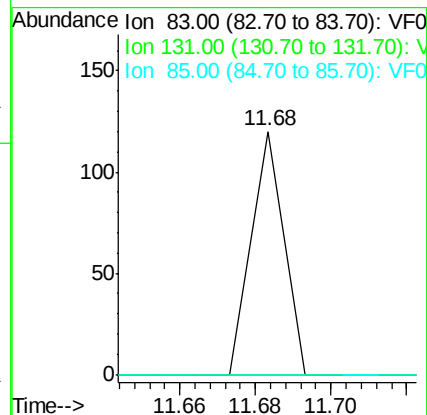
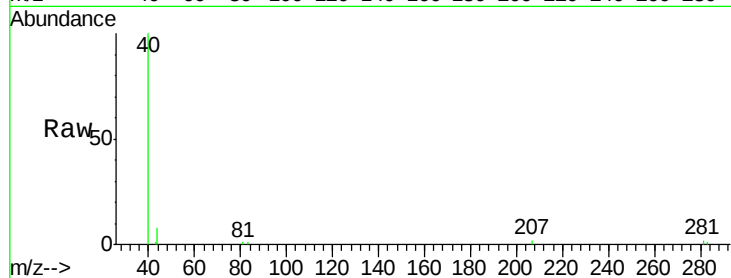
Tot Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 35.3 105.9#



#80

1,3,5-Trimethylbenzene

Concen: 1.410 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF062070.D

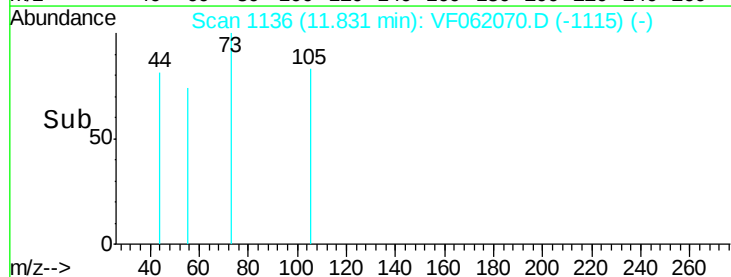
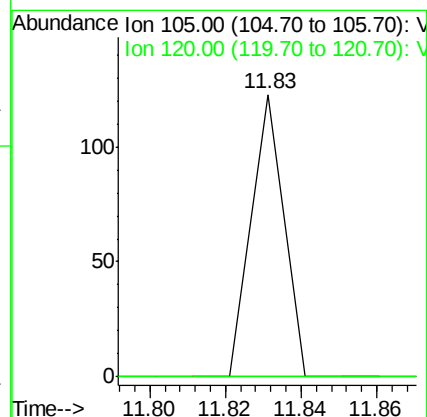
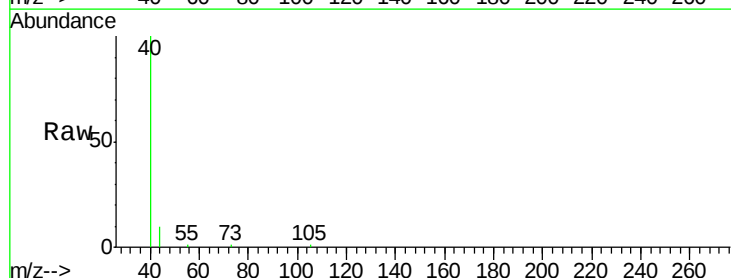
Acq: 21 Mar 2019 19:48

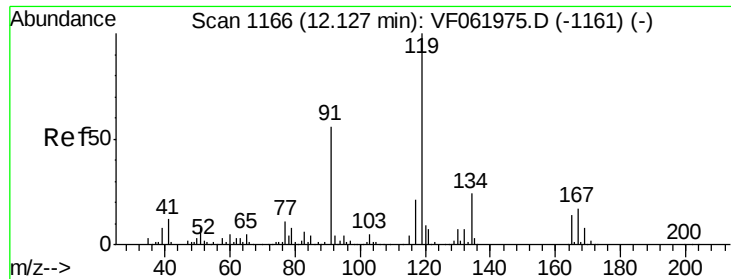
Tgt Ion:105 Resp: 73

Ion Ratio Lower Upper

105 100

120 0.0 26.6 79.7#





#83

tert-Butylbenzene

Concen: 1.532 ug/l

RT: 12.16 min Scan# 1169

Delta R.T. 0.03 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

EO-02-032019-C

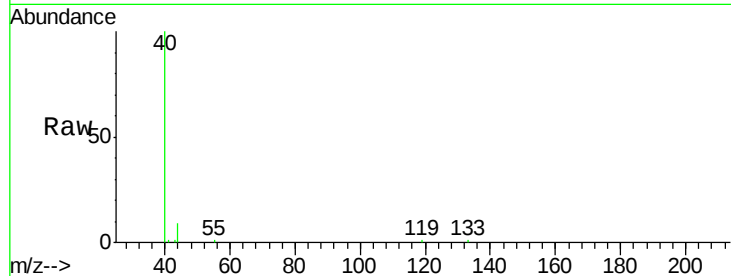
Tot Ion:119 Resp: 83

Ion Ratio Lower Upper

119 100

91 0.0 27.9 83.6#

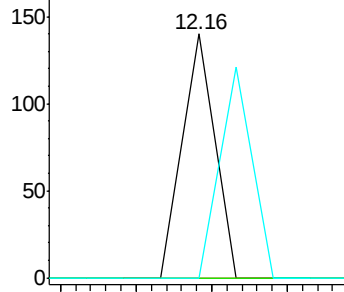
134 0.0 12.3 36.8#



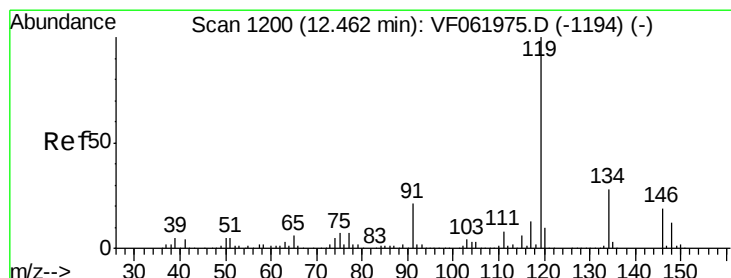
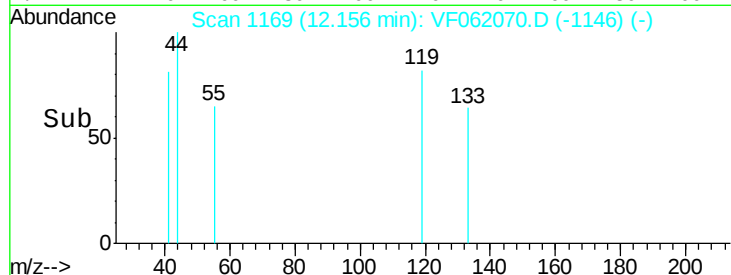
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time--> 12.12 12.14 12.16 12.18



#86

p-Isopropyltoluene

Concen: 1.179 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF062070.D

Acq: 21 Mar 2019 19:48

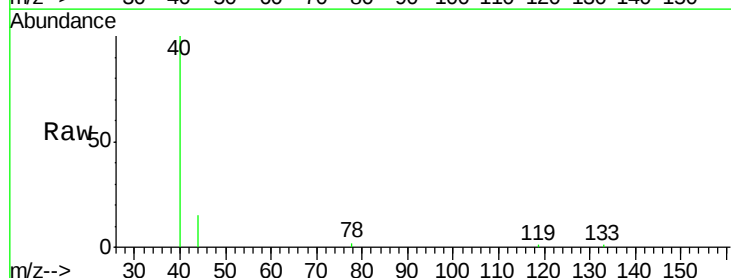
Tgt Ion:119 Resp: 72

Ion Ratio Lower Upper

119 100

134 0.0 13.9 41.7#

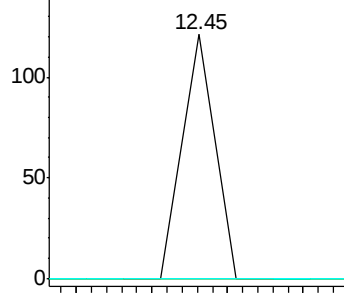
91 0.0 10.4 31.1#



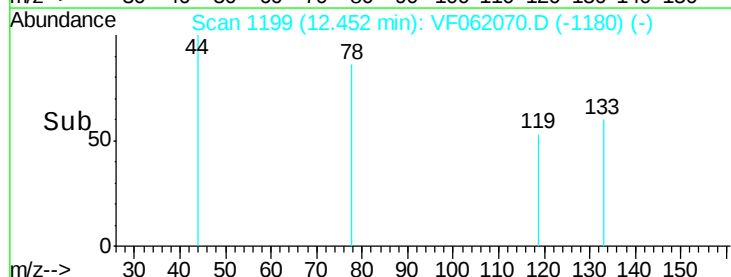
Abundance Ion 119.00 (118.70 to 119.70): V

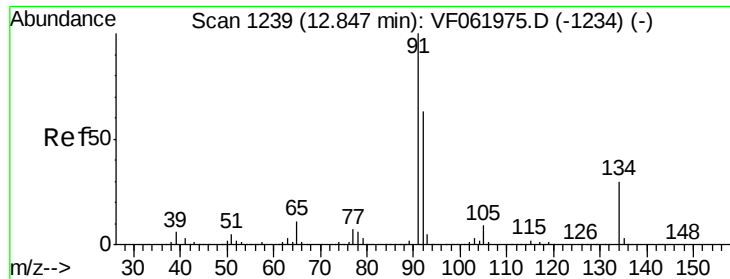
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time--> 12.42 12.44 12.46 12.48

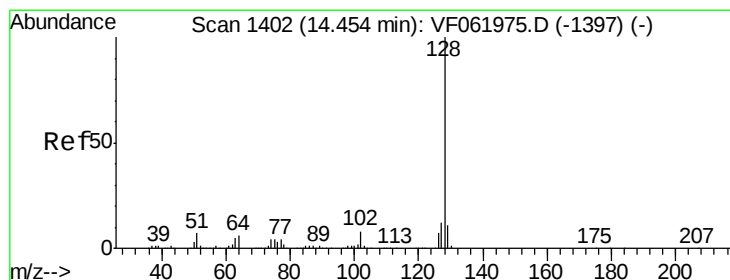
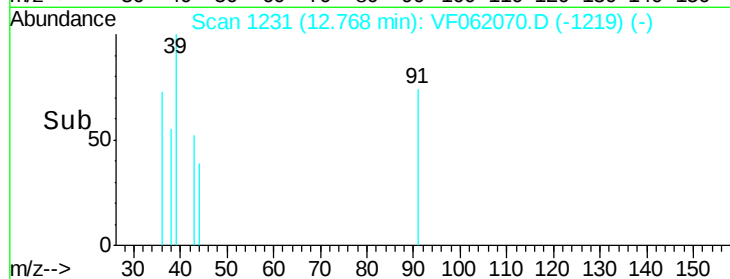
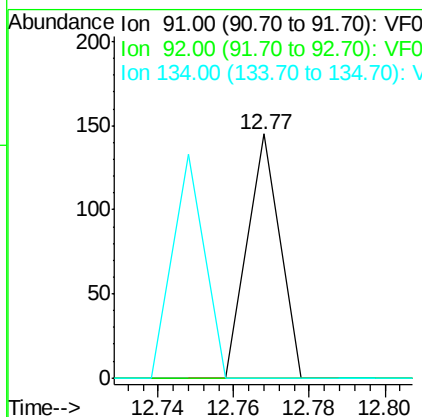
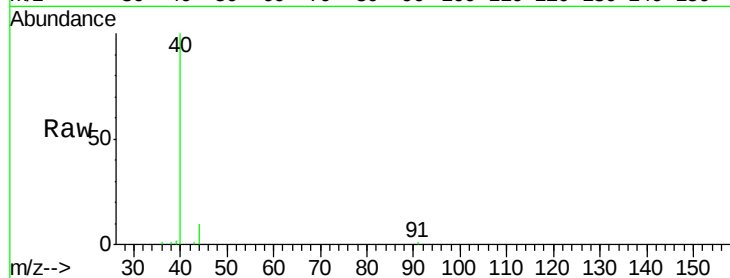




#89
n-Butylbenzene
Concen: 1.499 ug/l
RT: 12.77 min Scan# 1231
Delta R.T. -0.08 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

Instrument :
MSVOA_F
ClientSampleId :
EO-02-032019-C

Tot Ion: 91 Resp: 86
Ion Ratio Lower Upper
91 100
92 0.0 31.7 95.1#
134 0.0 15.1 45.3#



#95
Naphthalene
Concen: 1.950 ug/l
RT: 14.48 min Scan# 1405
Delta R.T. 0.03 min
Lab File: VF062070.D
Acq: 21 Mar 2019 19:48

Tgt Ion: 128 Resp: 66
Ion Ratio Lower Upper
128 100
127 0.0 9.3 13.9#
129 0.0 9.1 13.7#

