

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061869.D
 Acq On : 8 Mar 2019 18:18
 Operator : VA/AP
 Sample : K1807-09
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5

Quant Time: Mar 09 00:46:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	54124	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	64069	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	49528	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	22998	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	13671	34.68	ug/l	-0.02
Spiked Amount 50.000			Recovery =	69.36%		
35) Dibromofluoromethane	4.09	113	25555	57.15	ug/l	-0.03
Spiked Amount 50.000			Recovery =	114.30%		
50) Toluene-d8	7.54	98	79371	59.72	ug/l	-0.03
Spiked Amount 50.000			Recovery =	119.44%		
62) 4-Bromofluorobenzene	11.40	95	25007	48.04	ug/l	-0.02
Spiked Amount 50.000			Recovery =	96.08%		

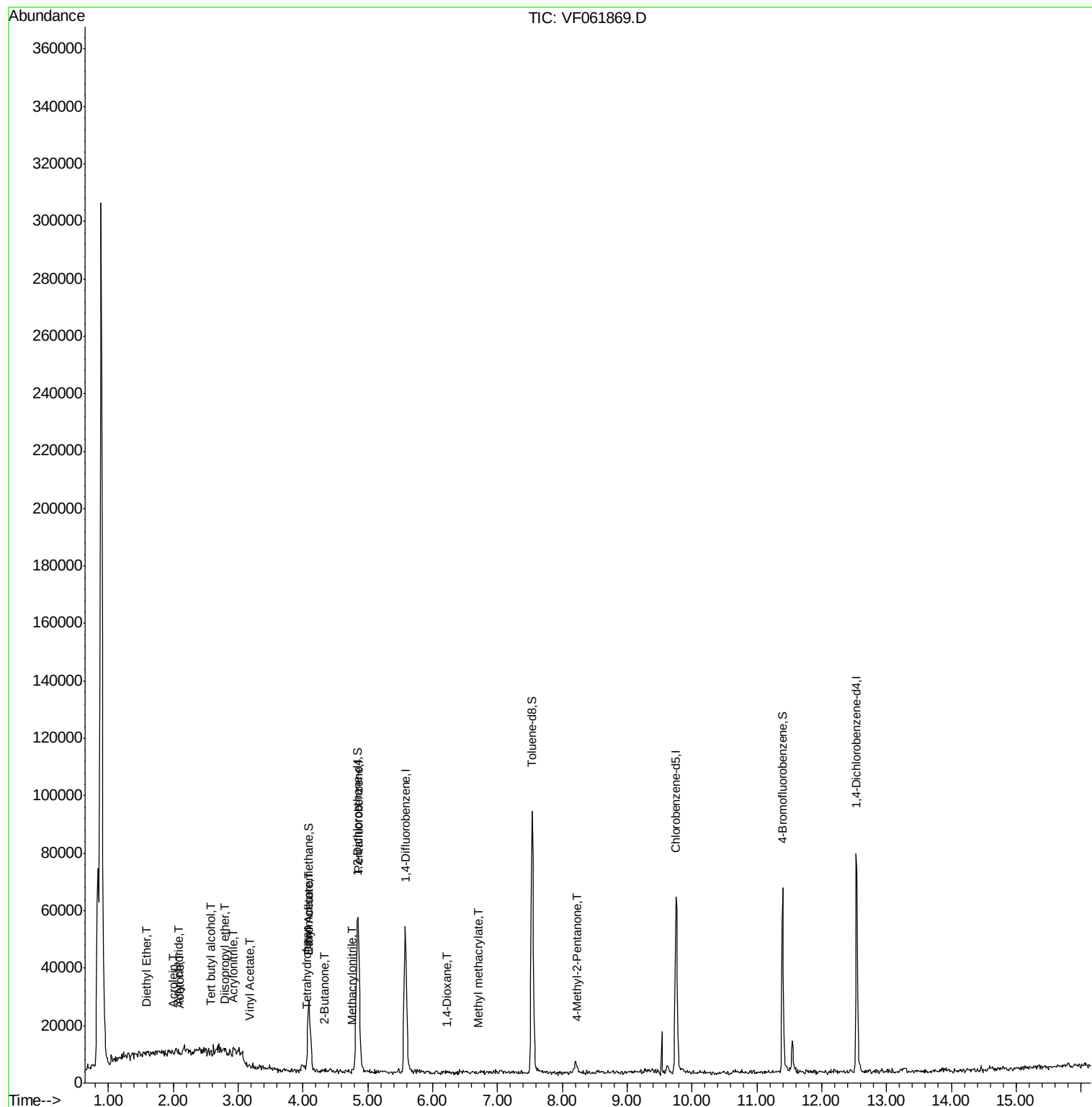
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.59	74	172	1.013	ug/l	51
11) Tert butyl alcohol	2.58	59	63	2.816	ug/l #	1
13) Acrolein	2.00	56	625	22.048	ug/l #	59
14) Allyl chloride	2.07	41	1081	2.120	ug/l #	59
15) Acrylonitrile	2.94	53	734	10.303	ug/l #	56
16) Acetone	2.10	43	729	8.829	ug/l	97
18) Methyl Acetate	2.34	43	811	Below Cal	#	62
20) Methylene Chloride	2.17	84	864	Below Cal	#	85
22) Diisopropyl ether	2.81	45	2187	1.649	ug/l #	1
23) Vinyl Acetate	3.17	43	1037	1.750	ug/l #	76
25) 2-Butanone	4.33	43	378	2.251	ug/l #	56
29) Tetrahydrofuran	4.05	42	104	1.436	ug/l #	33
37) Ethyl Acetate	4.10	43	412	1.622	ug/l #	20
41) Methacrylonitrile	4.75	41	234	1.681	ug/l #	24
48) Methyl methacrylate	6.70	41	322	1.625	ug/l #	18
49) 1,4-Dioxane	6.23	88	69	38.089	ug/l #	26
51) 4-Methyl-2-Pentanone	8.24	43	437	2.019	ug/l #	80

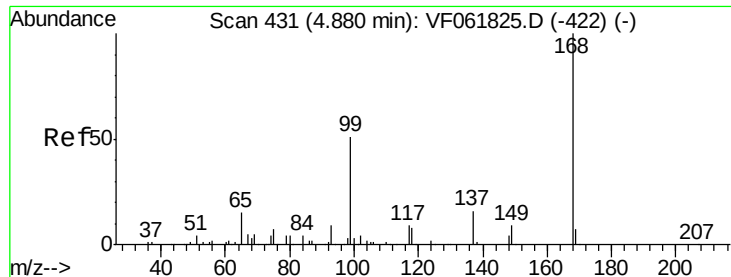
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030819\
Data File : VF061869.D
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Quant Time: Mar 09 00:46:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

Instrument :

MSVOA_F

ClientSampleId :

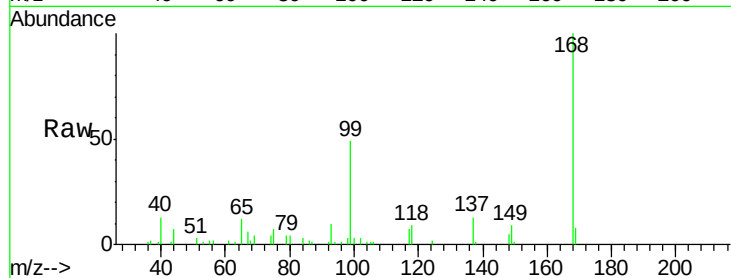
TP-5

Tot Ion:168 Resp: 54124

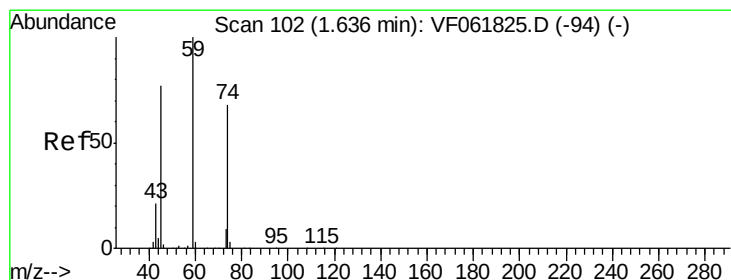
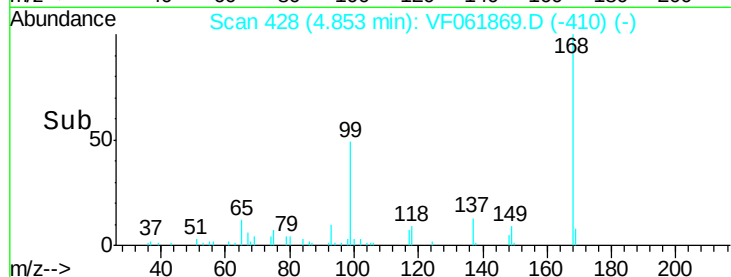
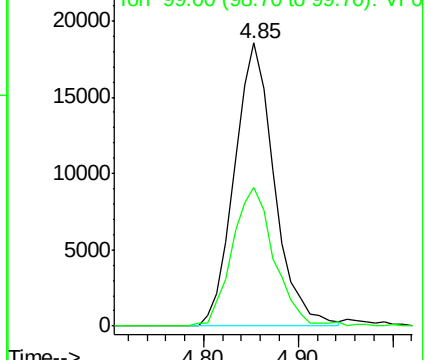
Ion Ratio Lower Upper

168 100

99 49.2 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.013 ug/l

RT: 1.59 min Scan# 97

Delta R.T. -0.05 min

Lab File: VF061869.D

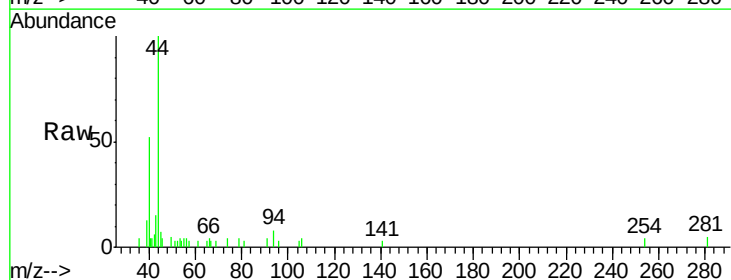
Acq: 8 Mar 2019 18:18

Tgt Ion: 74 Resp: 172

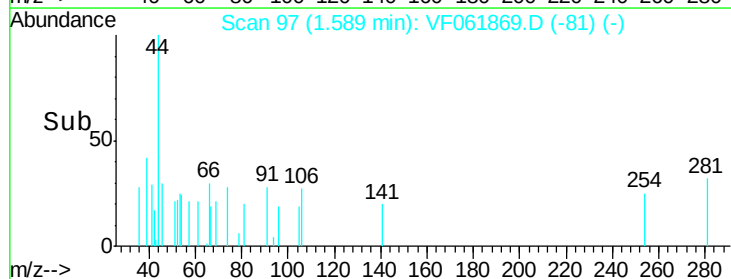
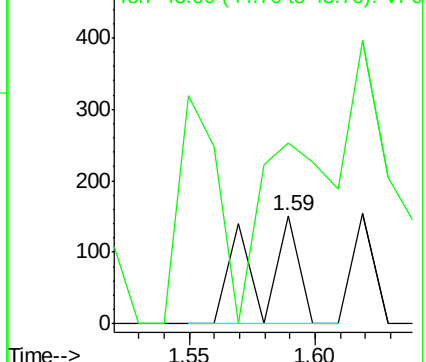
Ion Ratio Lower Upper

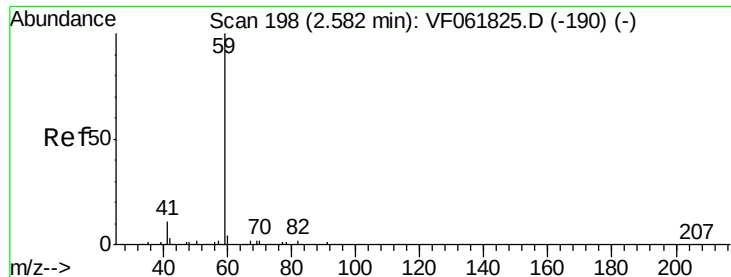
74 100

45 167.5 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0



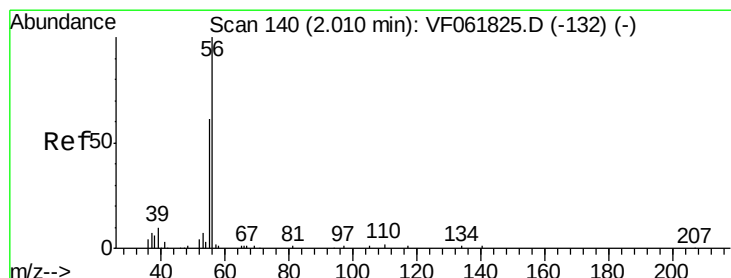
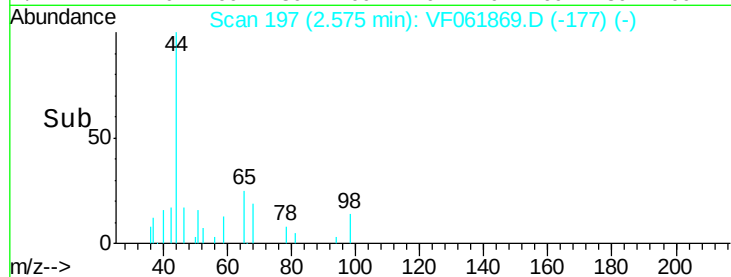
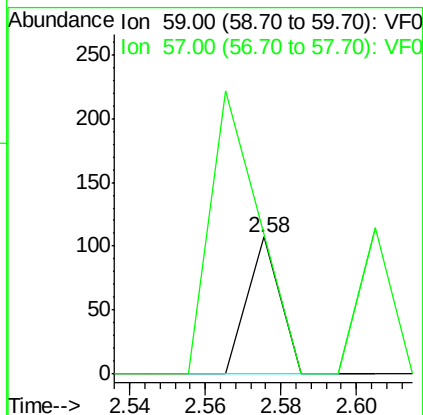
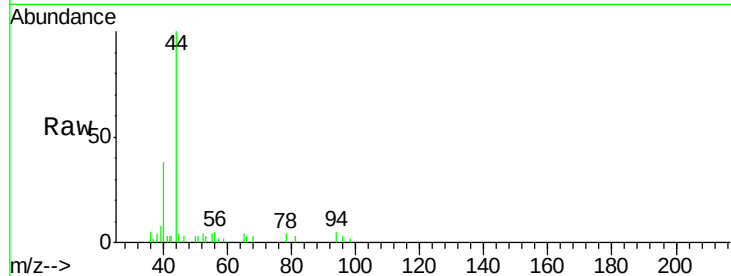


#11

Tert butyl alcohol
 Concen: 2.816 ug/l
 RT: 2.58 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF061869.D
 Acq: 8 Mar 2019 18:18

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5

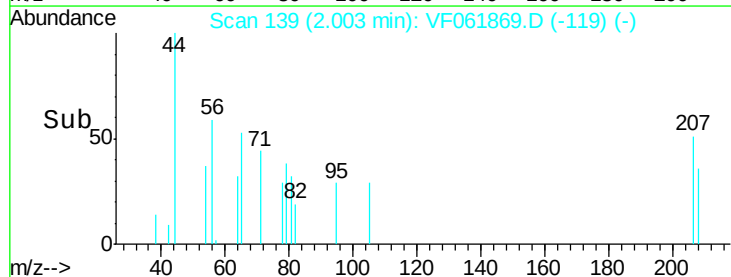
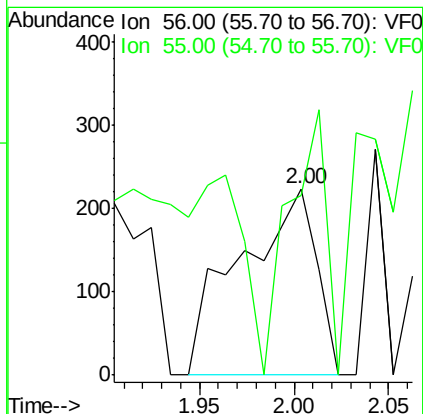
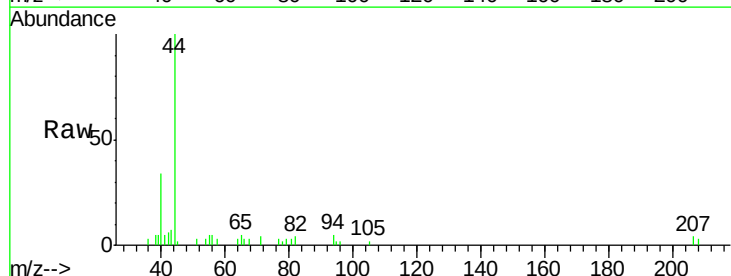
Tot Ion: 59 Resp: 63
 Ion Ratio Lower Upper
 59 100
 57 101.9 11.8 17.6#

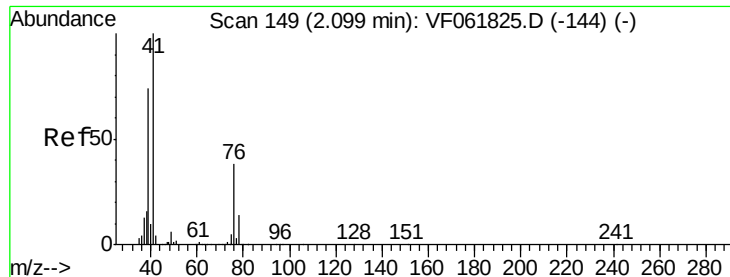


#13

Acrolein
 Concen: 22.048 ug/l
 RT: 2.00 min Scan# 139
 Delta R.T. -0.01 min
 Lab File: VF061869.D
 Acq: 8 Mar 2019 18:18

Tgt Ion: 56 Resp: 625
 Ion Ratio Lower Upper
 56 100
 55 96.4 51.3 76.9#

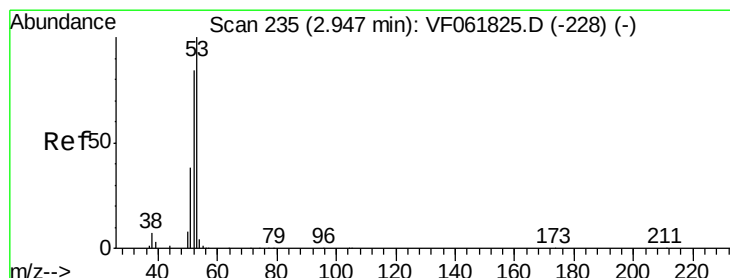
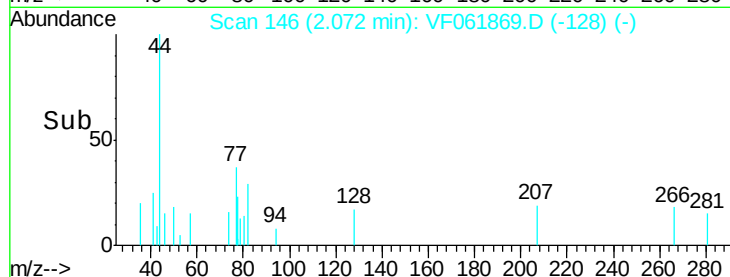
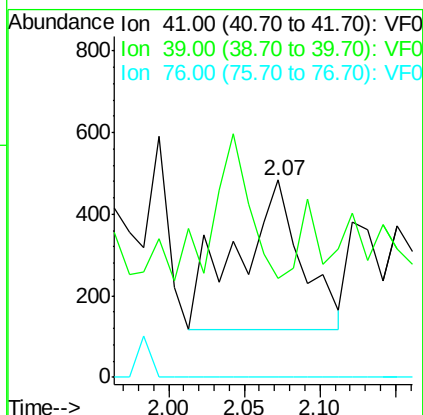
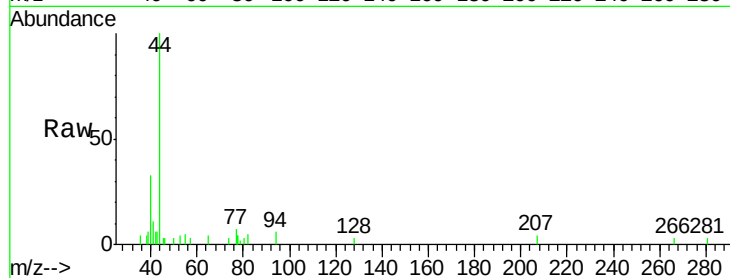




#14
Allvl chloride
Concen: 2.120 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.03 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

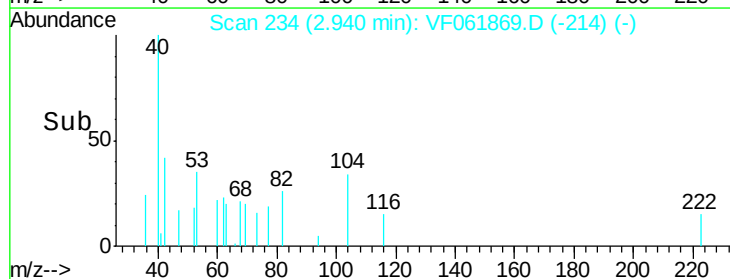
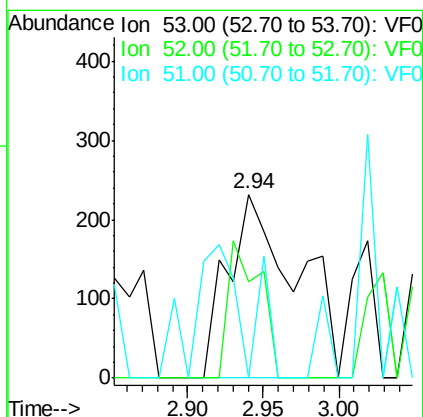
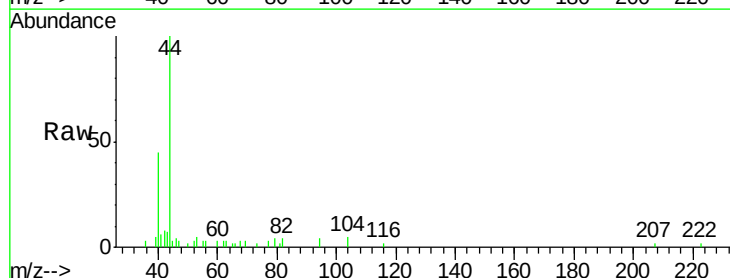
Instrument :
MSVOA_F
ClientSampled :
TP-5

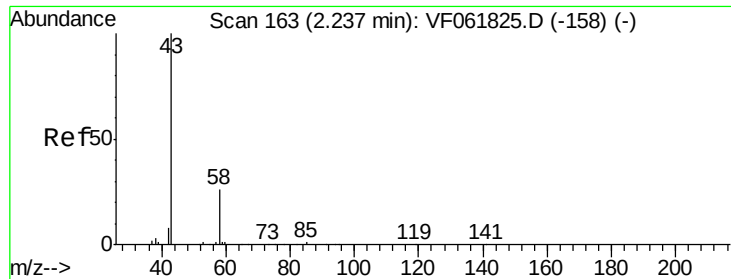
Tot Ion: 41 Resp: 1081
Ion Ratio Lower Upper
41 100
39 50.5 59.6 89.4#
76 0.0 32.3 48.5#



#15
Acrylonitrile
Concen: 10.303 ug/l
RT: 2.94 min Scan# 234
Delta R.T. -0.01 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

Tgt Ion: 53 Resp: 734
Ion Ratio Lower Upper
53 100
52 52.2 67.4 101.0#
51 0.0 30.7 46.1#





#16

Acetone

Concen: 8.829 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.13 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

Instrument :

MSVOA_F

ClientSampled :

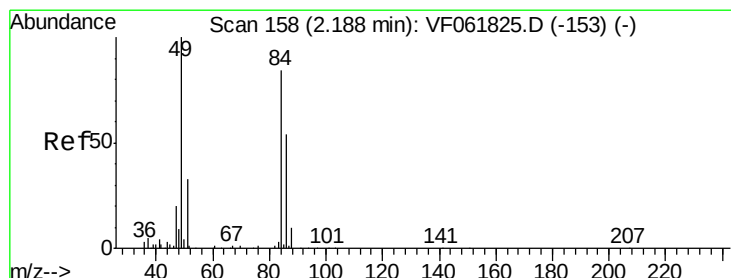
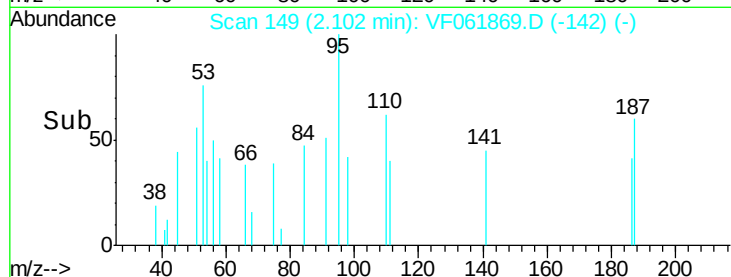
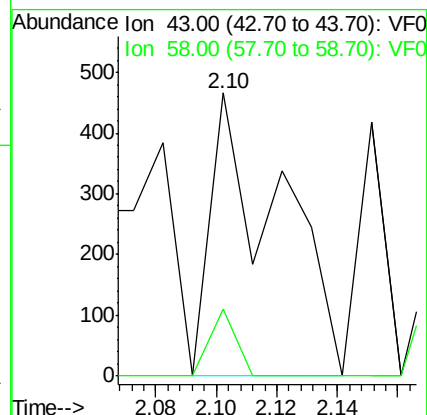
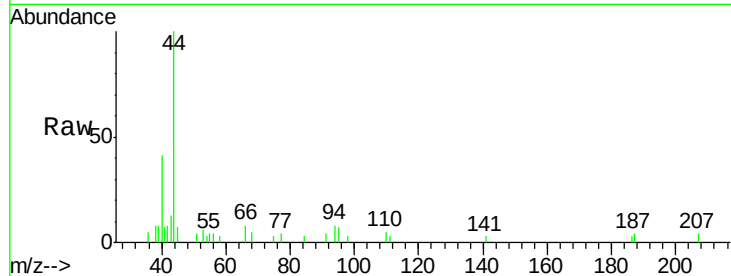
TP-5

Tot Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

58 23.8 20.3 30.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

Tgt Ion: 84 Resp: 864

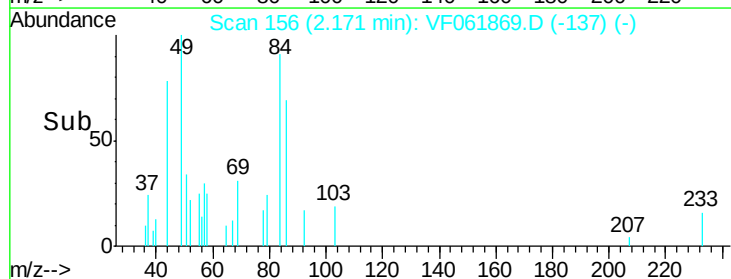
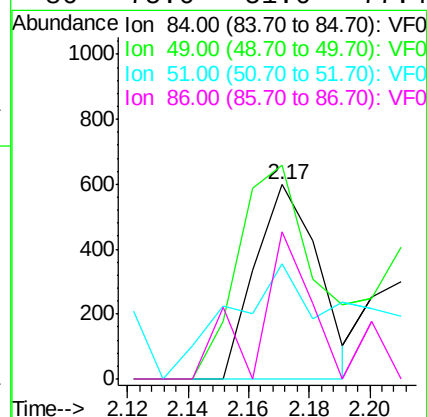
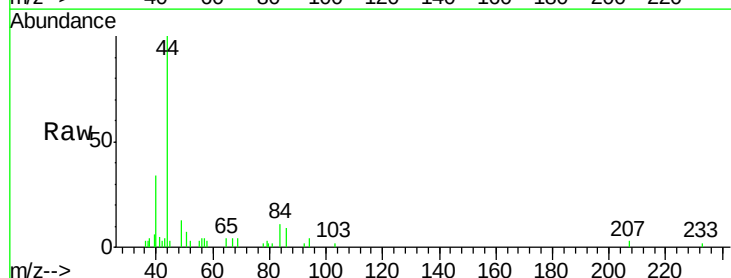
Ion Ratio Lower Upper

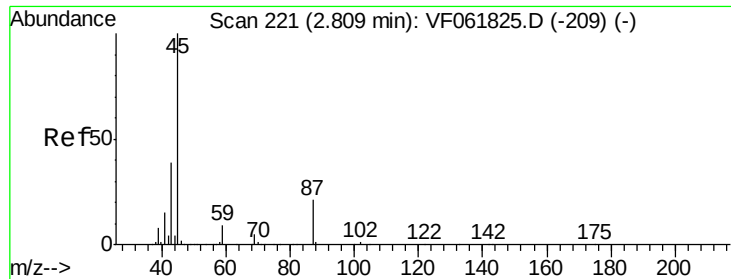
84 100

49 109.8 96.8 145.2

51 59.4 31.8 47.6#

86 75.6 51.6 77.4

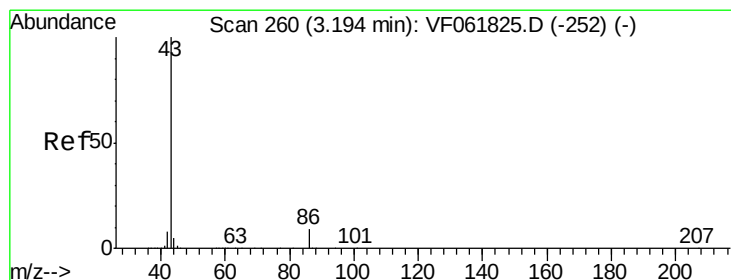
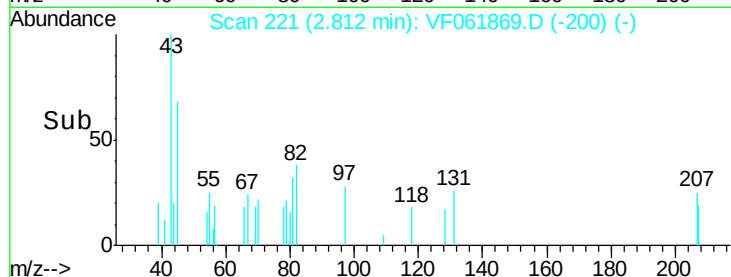
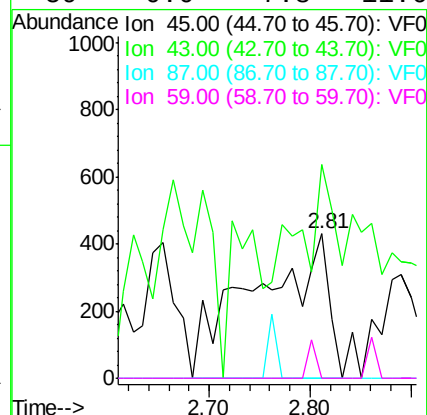
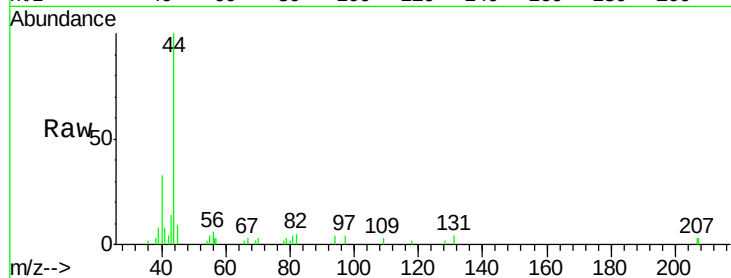




#22
Diisopropyl ether
Concen: 1.649 ug/l
RT: 2.81 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

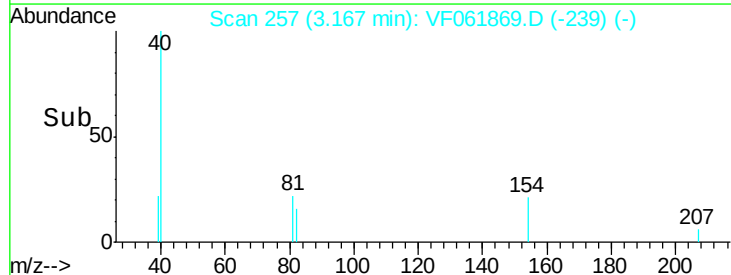
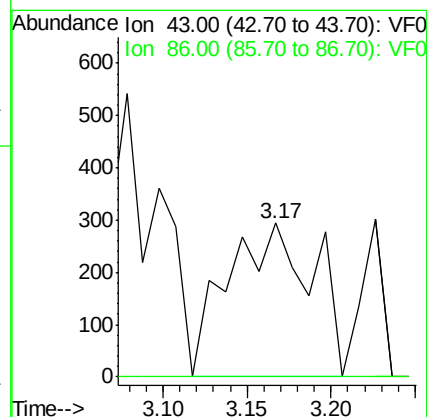
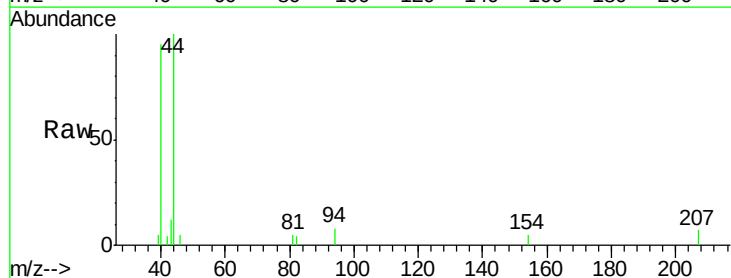
Instrument :
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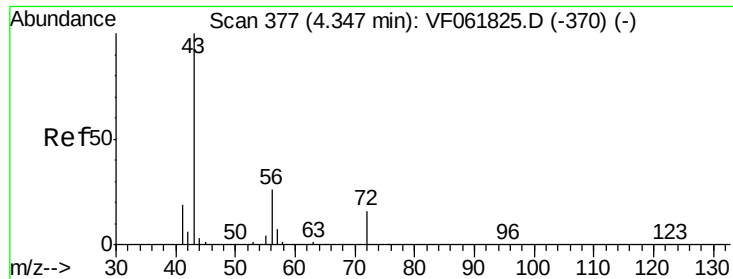
Tot Ion: 45 Resp: 2187
Ion Ratio Lower Upper
45 100
43 147.8 31.8 47.8#
87 0.0 17.1 25.7#
59 0.0 7.8 11.6#



#23
Vinyl Acetate
Concen: 1.750 ug/l
RT: 3.17 min Scan# 257
Delta R.T. -0.03 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
86 0.0 7.0 10.4#

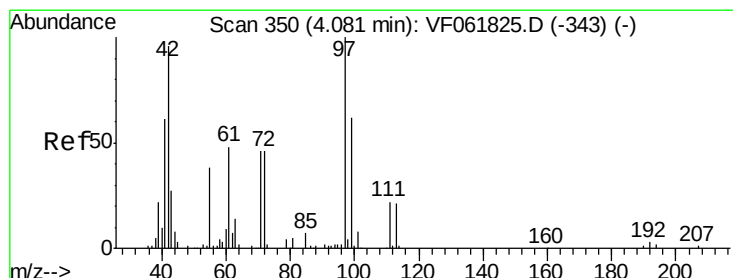
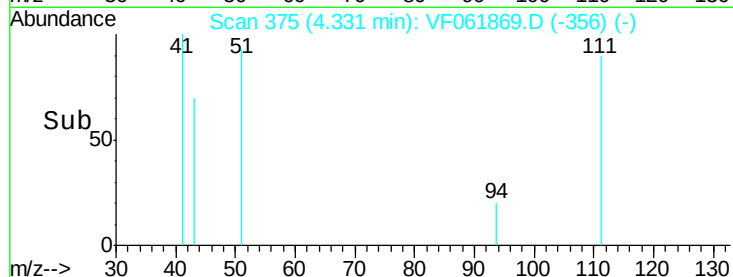
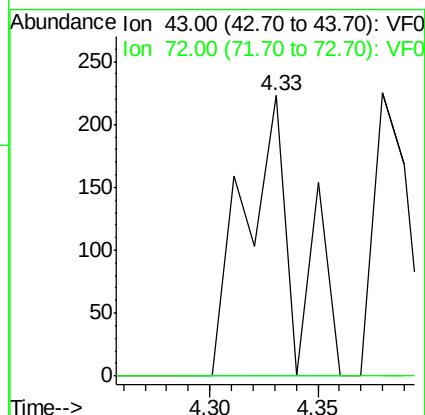
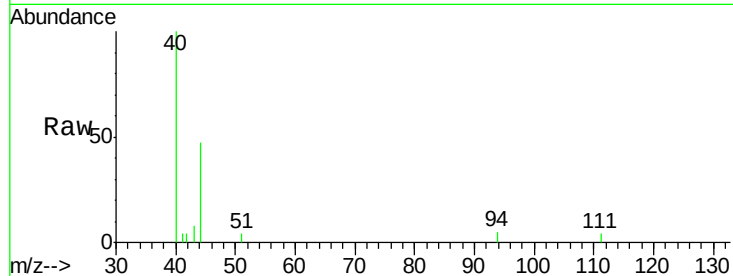




#25
2-Butanone
Concen: 2.251 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.02 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

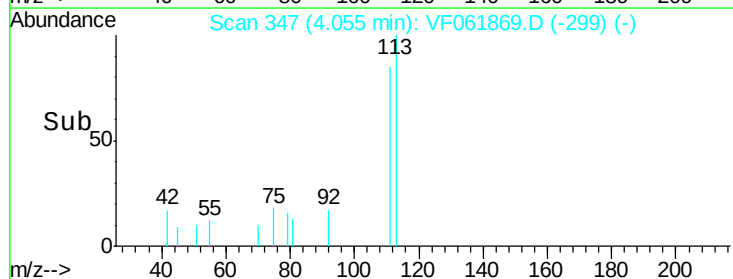
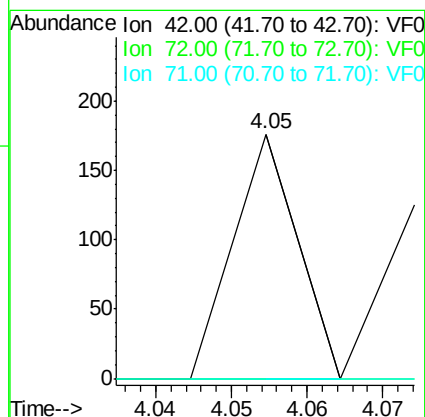
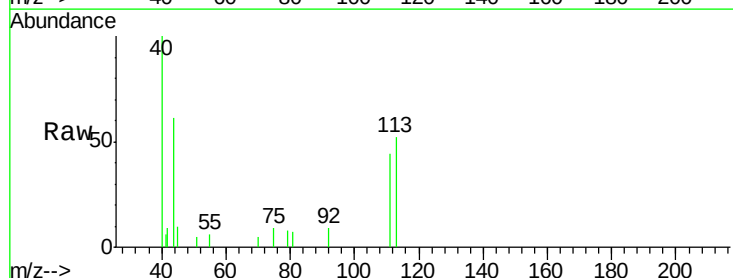
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MSVOA_F
ClientSampled :
TP-5

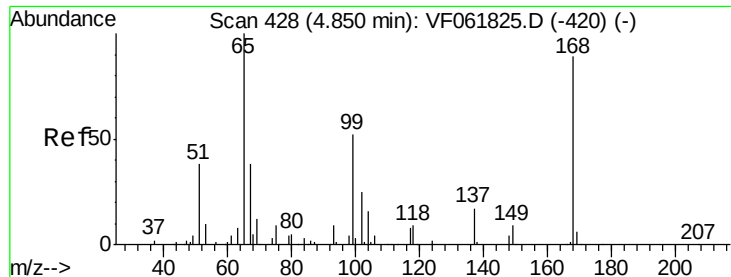
Tot Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#29
Tetrahydrofuran
Concen: 1.436 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

Tgt Ion: 42 Resp: 104
Ion Ratio Lower Upper
42 100
72 0.0 34.4 51.6#
71 0.0 34.6 52.0#

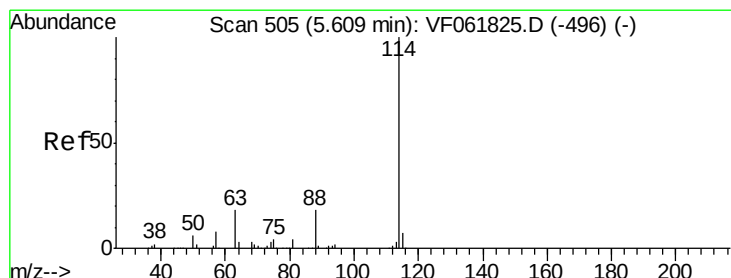
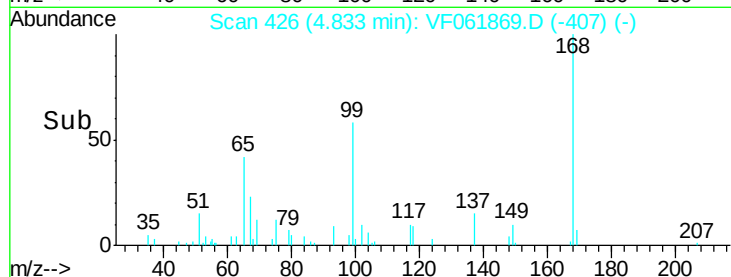
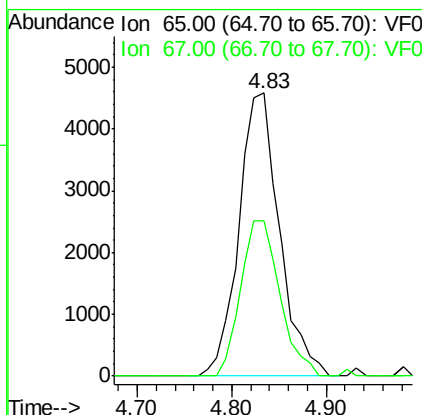
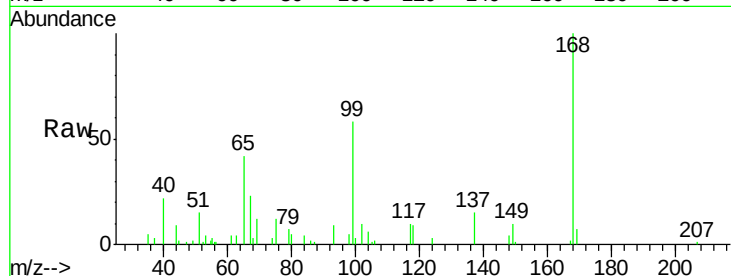




#33
 1,2-Dichloroethane-d4
 Concen: 34.684 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061869.D
 Acq: 8 Mar 2019 18:18

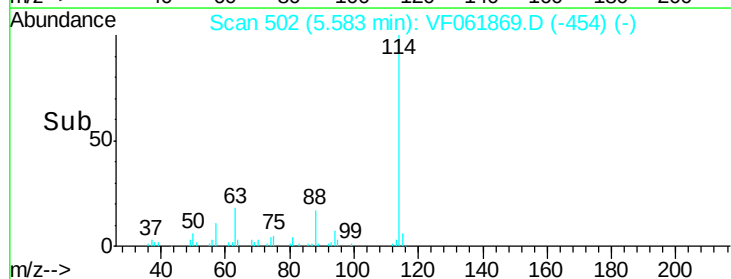
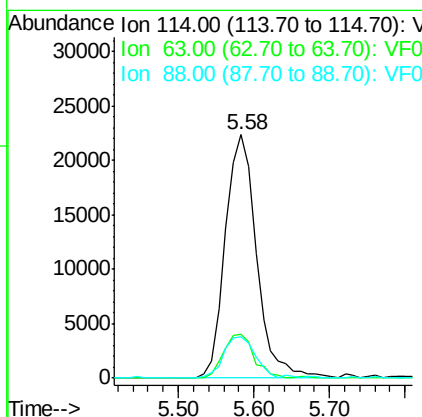
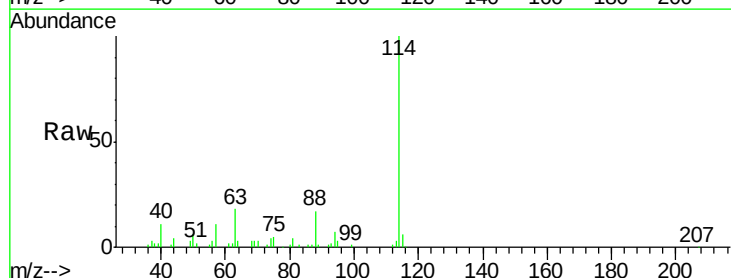
Instrument :
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 TP-5

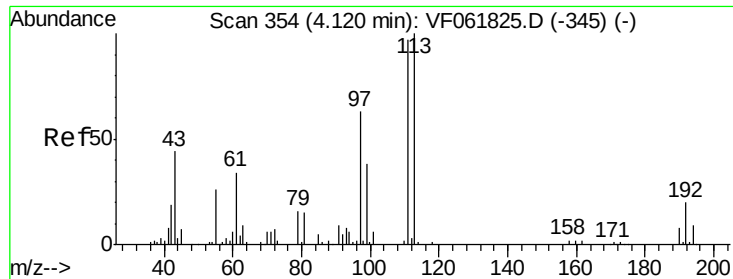
Tot Ion: 65 Resp: 13671
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061869.D
 Acq: 8 Mar 2019 18:18

Tgt Ion: 114 Resp: 64069
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.6
 88 16.9 0.0 35.6

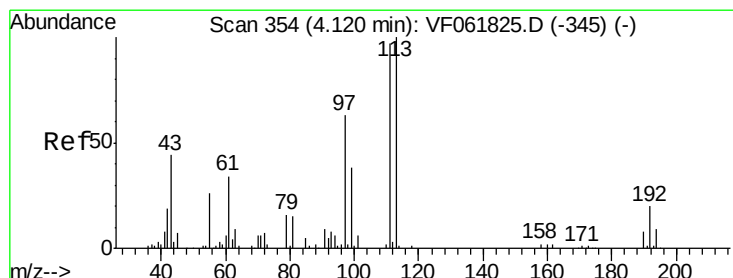
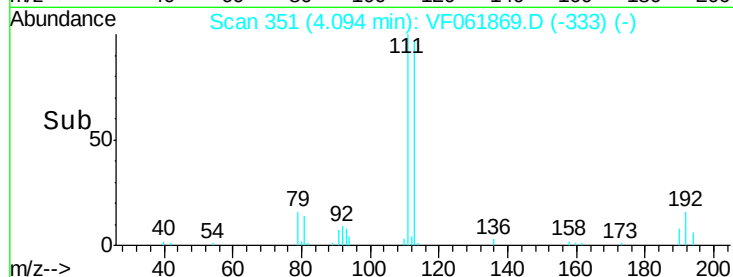
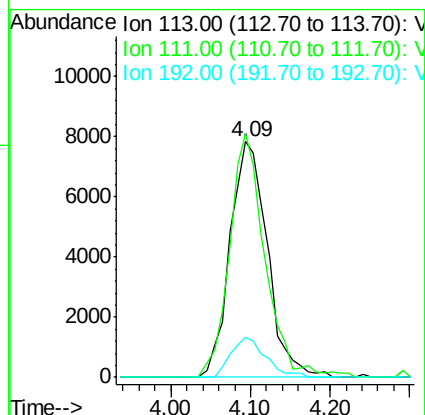
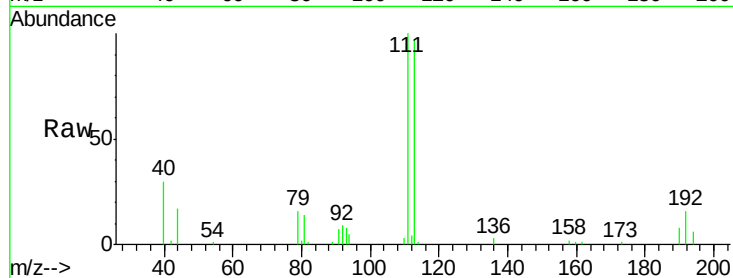




#35
Dibromofluoromethane
Concen: 57.155 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

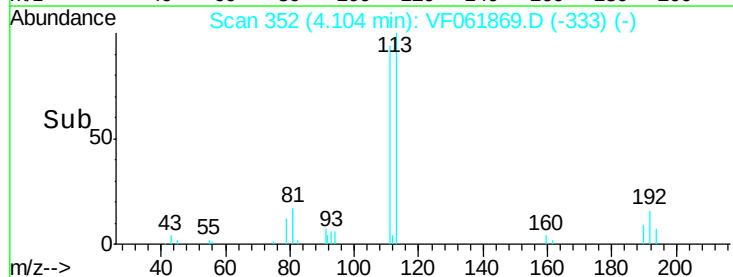
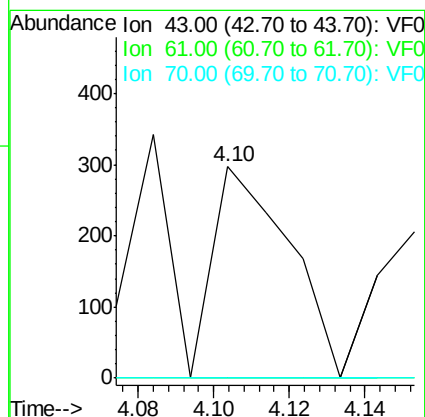
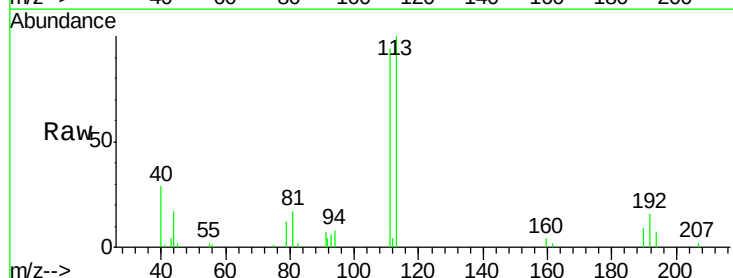
Instrument :
MSVOA_F
ClientSampleId :
TP-5

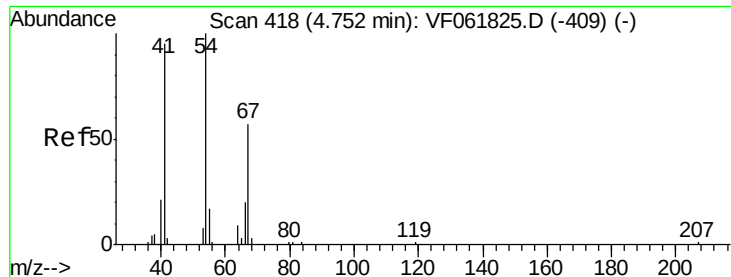
Tot Ion:113 Resp: 25555
Ion Ratio Lower Upper
113 100
111 103.3 77.6 116.4
192 17.0 15.9 23.9



#37
Ethyl Acetate
Concen: 1.622 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
61 0.0 60.7 91.1#
70 0.0 10.6 15.8#





#41

Methacrylonitrile

Concen: 1.681 ug/l

RT: 4.75 min Scan# 418

Delta R.T. 0.00 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

Instrument :

MSVOA_F

ClientSampled :

TP-5

Tot Ion: 41 Resp: 234

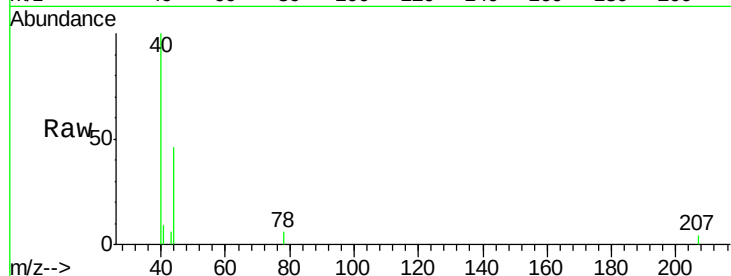
Ion Ratio Lower Upper

41 100

39 0.0 43.0 64.6#

67 0.0 47.8 71.8#

52 0.0 40.5 60.7#

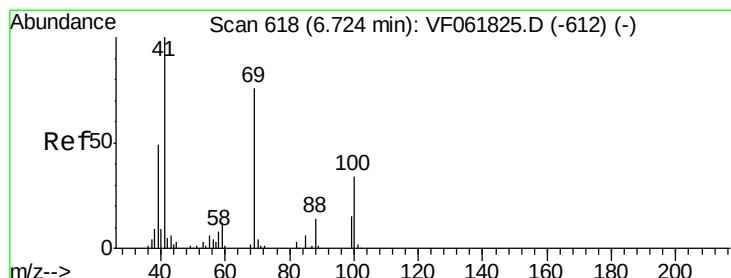
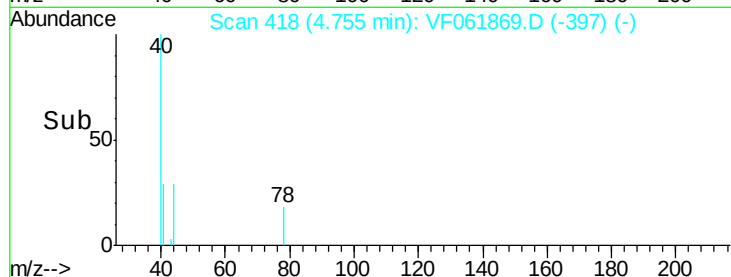
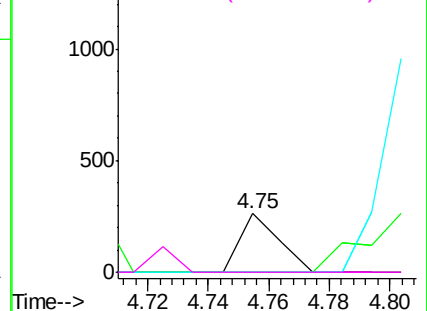


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#48

Methyl methacrylate

Concen: 1.625 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

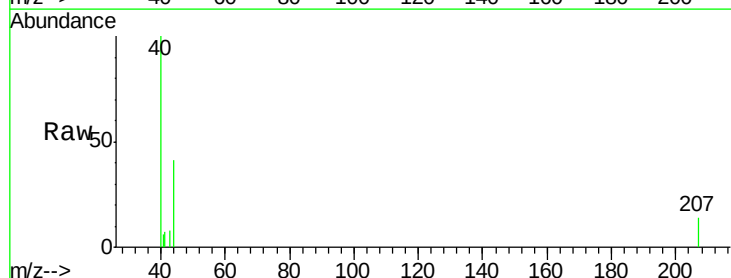
Tgt Ion: 41 Resp: 322

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

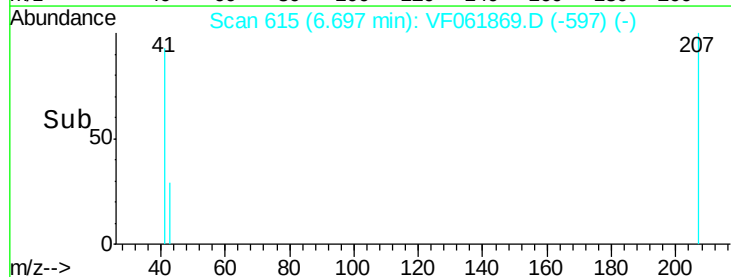
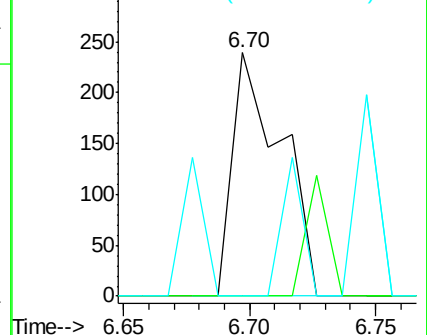
39 0.0 39.7 59.5#

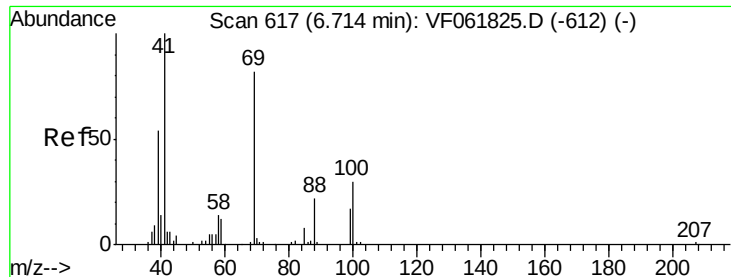


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

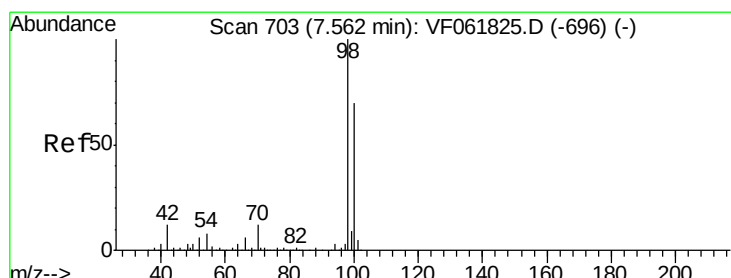
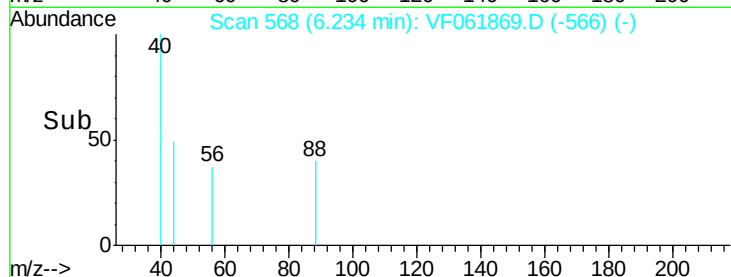
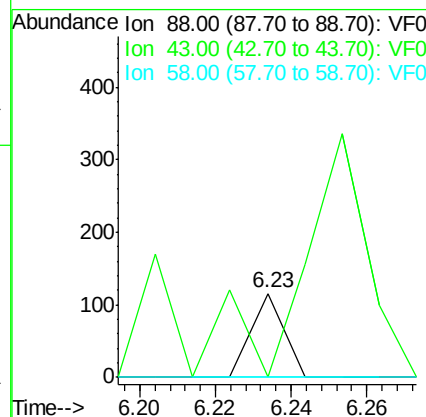
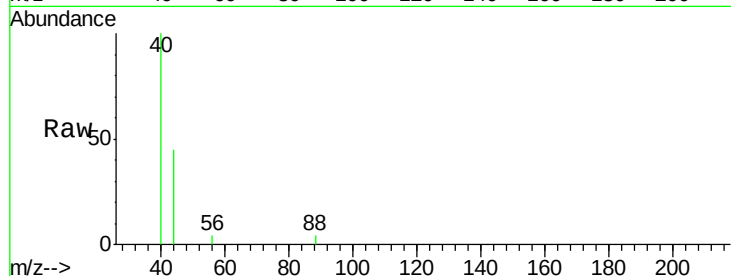




#49
1,4-Dioxane
Concen: 38.089 ug/l
RT: 6.23 min Scan# 568
Delta R.T. -0.48 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

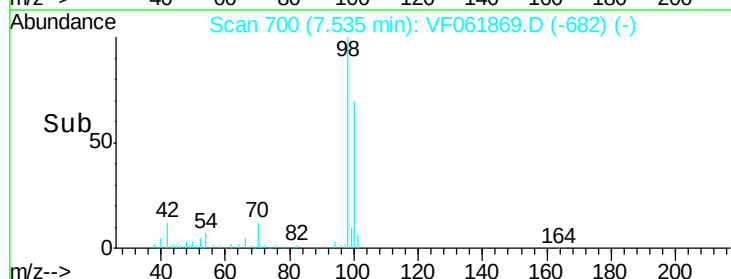
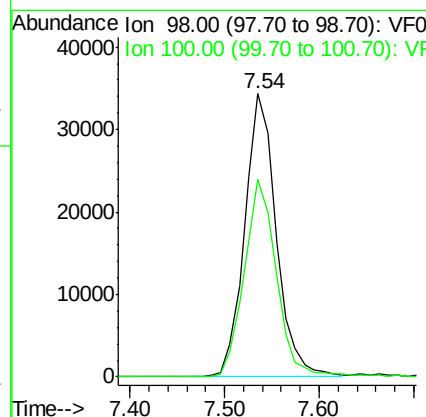
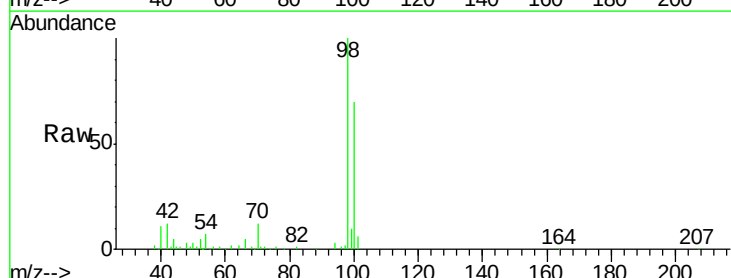
Instrument :
MSVOA_F
ClientSampleId :
TP-5

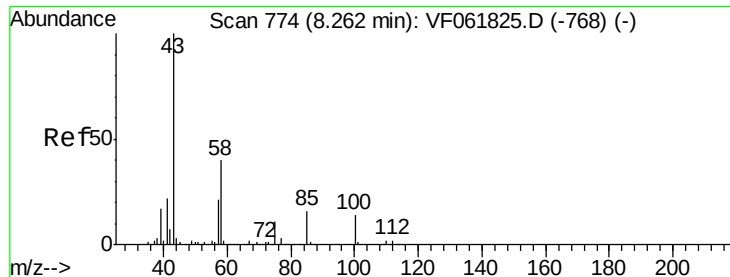
Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 28.4 42.6#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 59.724 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

Tgt Ion: 98 Resp: 79371
Ion Ratio Lower Upper
98 100
100 70.0 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 2.019 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

Instrument :

MSVOA_F

ClientSampled :

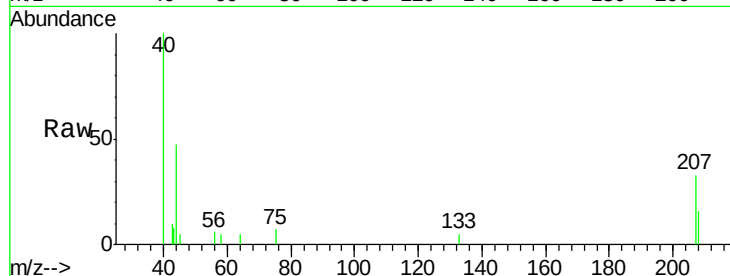
TP-5

Tot Ion: 43 Resp: 437

Ion Ratio Lower Upper

43 100

58 27.2 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.24

400

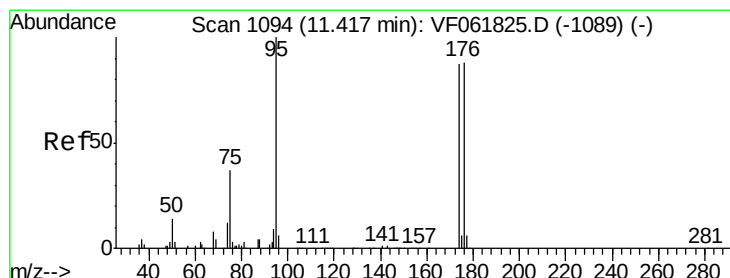
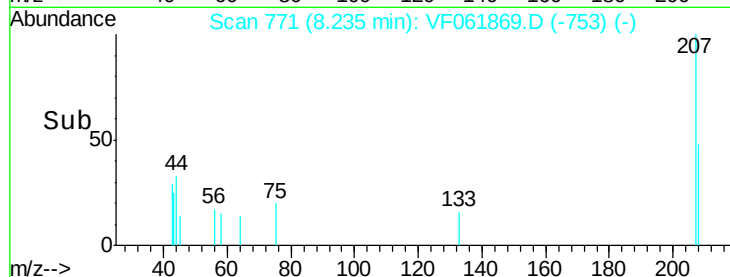
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.036 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061869.D

Acq: 8 Mar 2019 18:18

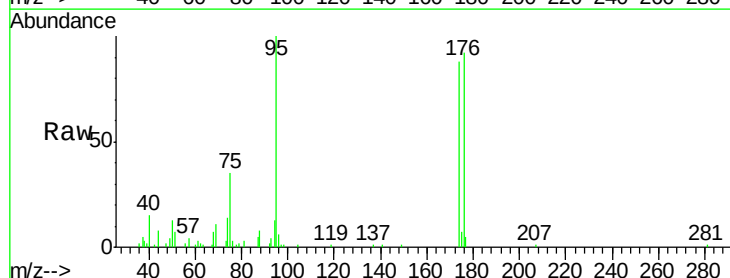
Tgt Ion: 95 Resp: 25007

Ion Ratio Lower Upper

95 100

174 88.4 0.0 174.0

176 92.0 0.0 175.2



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

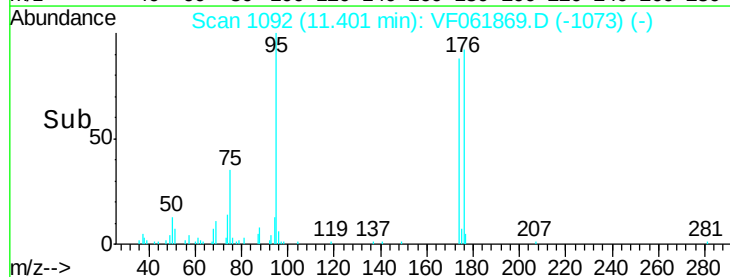
15000

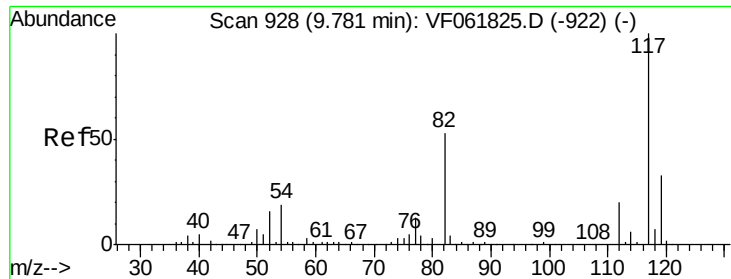
11000

5000

0

Time-->

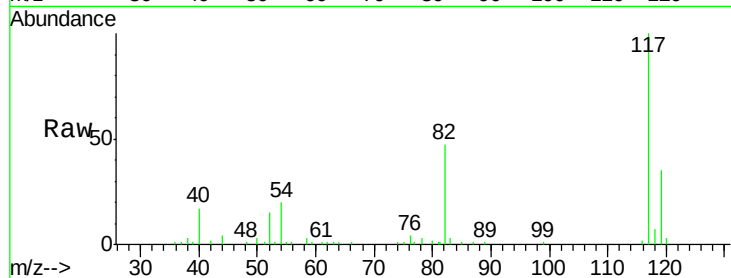




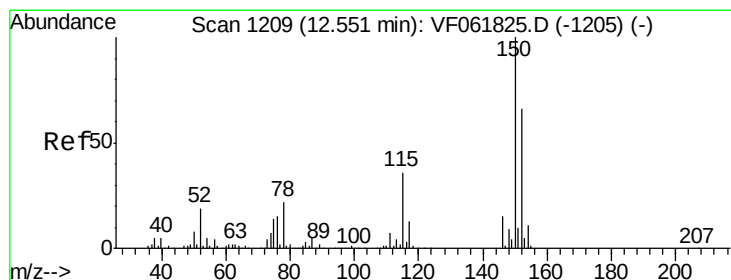
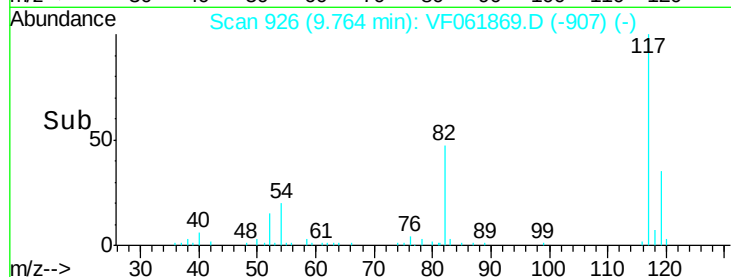
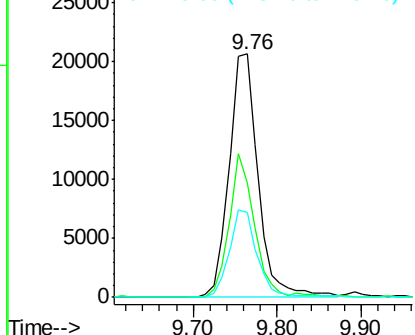
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

Instrument :
MSVOA_F
ClientSampled :
TP-5

Tot Ion:117 Resp: 49528
Ion Ratio Lower Upper
117 100
82 47.2 42.6 63.8
119 34.9 26.0 39.0

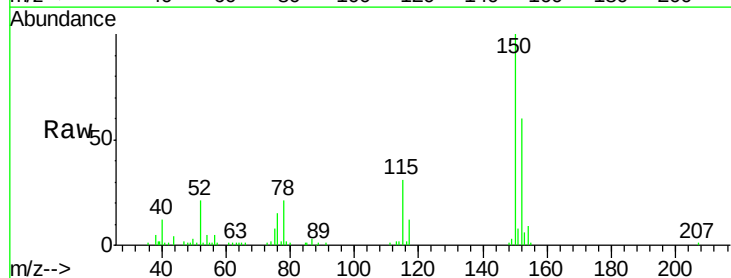


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061869.D
Acq: 8 Mar 2019 18:18

Tgt Ion:152 Resp: 22998
Ion Ratio Lower Upper
152 100
115 51.9 27.7 83.1
150 166.7 0.0 304.2



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

