

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060902.D
 Acq On : 3 Dec 2018 20:17
 Operator : VA/AP
 Sample : J6148-01
 Misc : 5.61q/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-MH-F

Quant Time: Dec 04 03:12:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	187345	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	309433	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.80	117	262651	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	106071	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	105797	47.94	ug/l	-0.01
Spiked Amount				50.000		
Recovery						95.88%
35) Dibromofluoromethane	4.14	113	116268	47.36	ug/l	-0.01
Spiked Amount				50.000		
Recovery						94.72%
50) Toluene-d8	7.58	98	294360	40.71	ug/l	-0.01
Spiked Amount				50.000		
Recovery						81.42%
62) 4-Bromofluorobenzene	11.43	95	125271	38.12	ug/l	-0.01
Spiked Amount				50.000		
Recovery						76.24%

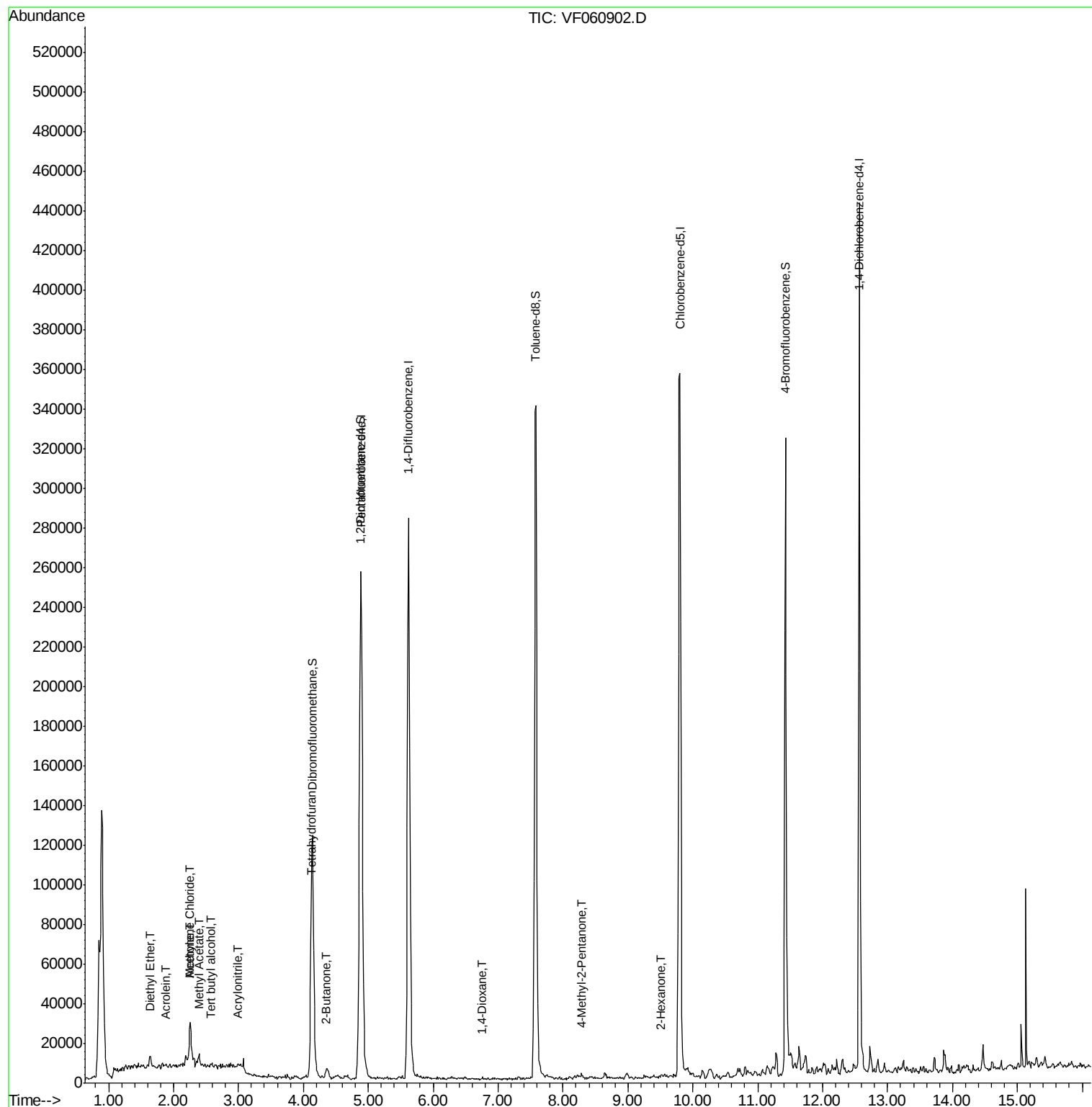
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.64	74	1377	2.625	ug/l	92
11) Tert butyl alcohol	2.56	59	203	2.244	ug/l #	1
13) Acrolein	1.88	56	552	6.440	ug/l	88
15) Acrylonitrile	2.99	53	728	3.589	ug/l #	11
16) Acetone	2.26	43	28767	70.684	ug/l	96
18) Methyl Acetate	2.39	43	2768	2.485	ug/l #	61
20) Methylene Chloride	2.26	84	3439	2.303	ug/l #	83
25) 2-Butanone	4.36	43	10444	14.837	ug/l	96
29) Tetrahydrofuran	4.11	42	1157	3.878	ug/l #	62
41) Methacrylonitrile	4.78	41	807	Below Cal	#	60
43) Isopropyl Acetate	6.97	43	265	Below Cal	#	49
49) 1,4-Dioxane	6.74	88	71	7.684	ug/l #	17
51) 4-Methyl-2-Pentanone	8.28	43	2400	1.866	ug/l #	77
59) 2-Hexanone	9.53	43	2076	2.301	ug/l	92
95) Naphthalene	14.47	128	7645	Below Cal	#	92

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

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TP-MH-F

Quant Time: Dec 04 03:12:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060902.D

Acq: 3 Dec 2018 20:17

Instrument :

MSVOA_F

ClientSampleId :

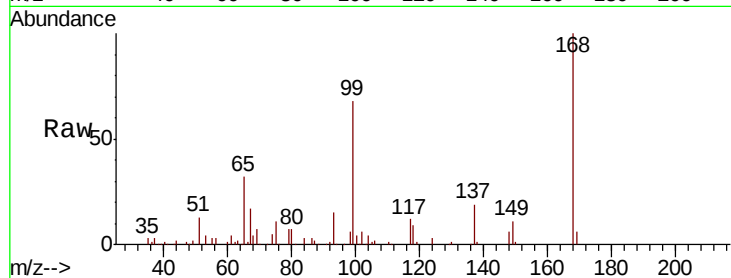
TP-MH-F

Tot Ion:168 Resp: 187345

Ion Ratio Lower Upper

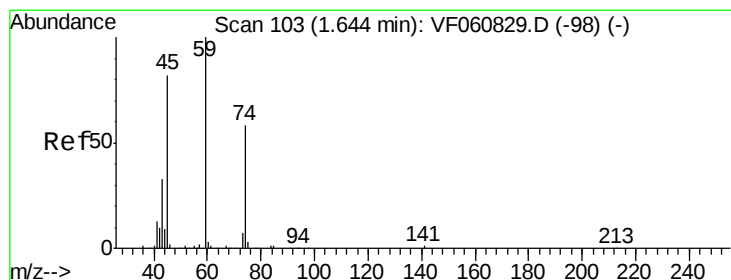
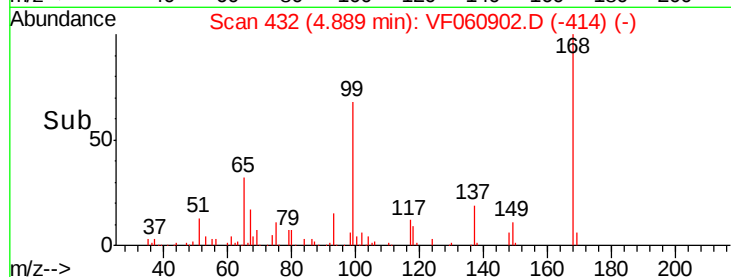
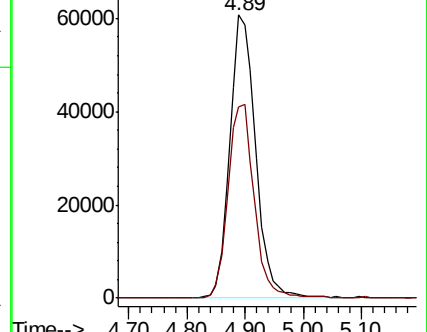
168 100

99 67.7 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 2.625 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060902.D

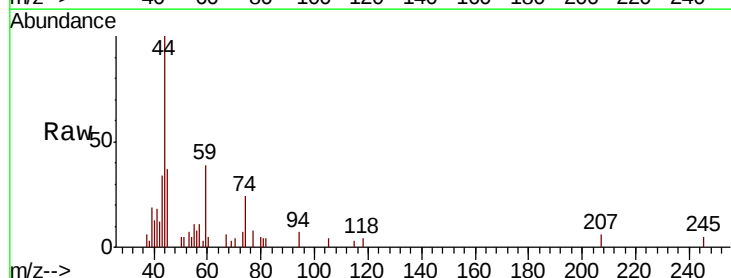
Acq: 3 Dec 2018 20:17

Tgt Ion: 74 Resp: 1377

Ion Ratio Lower Upper

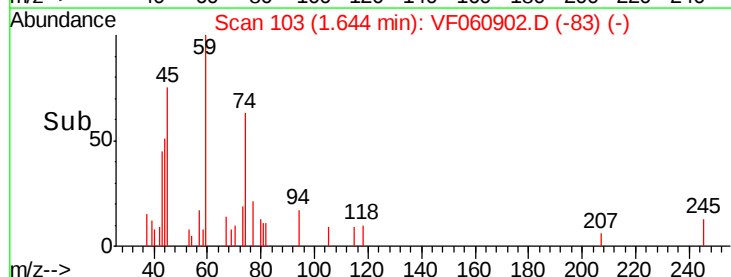
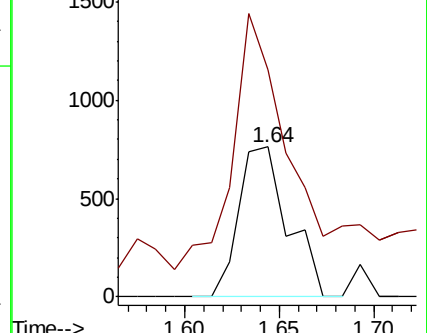
74 100

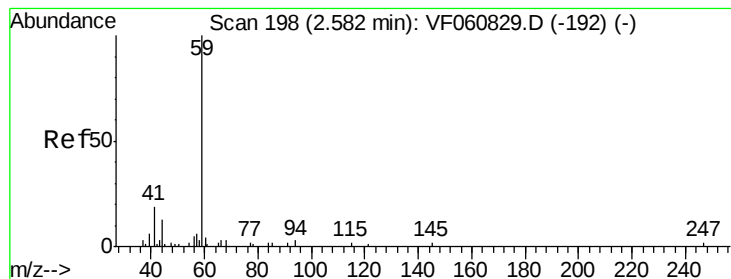
45 151.4 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



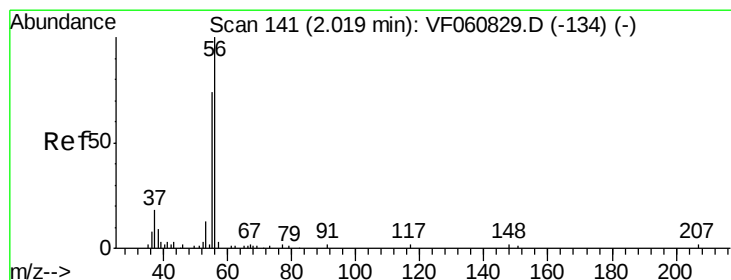
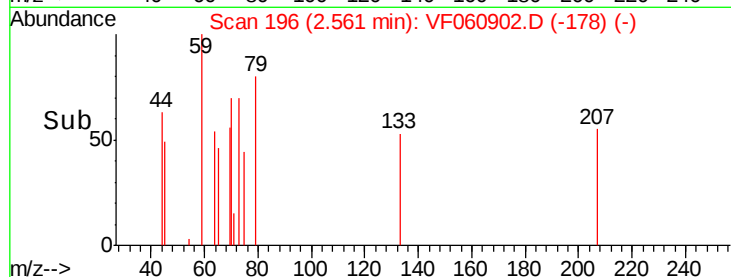
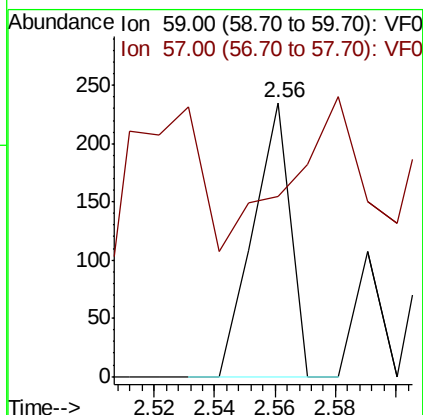
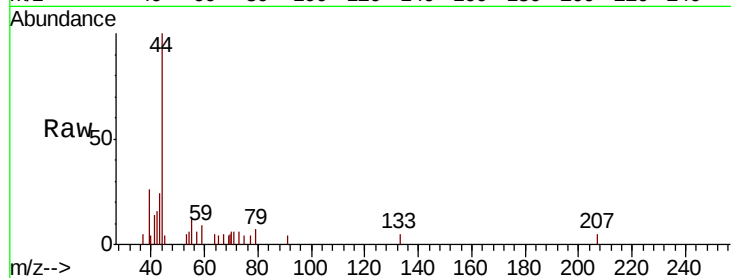


#11

Tert butyl alcohol
Concen: 2.244 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

Instrument :
MSVOA_F
ClientSampled :
TP-MH-F

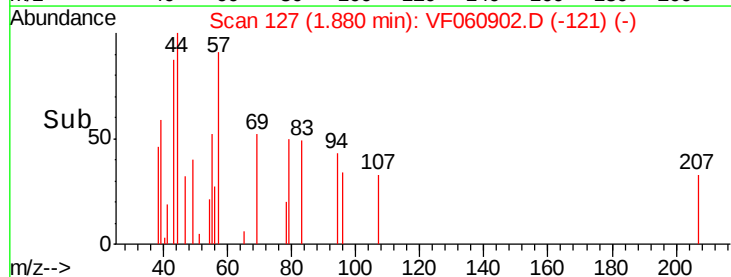
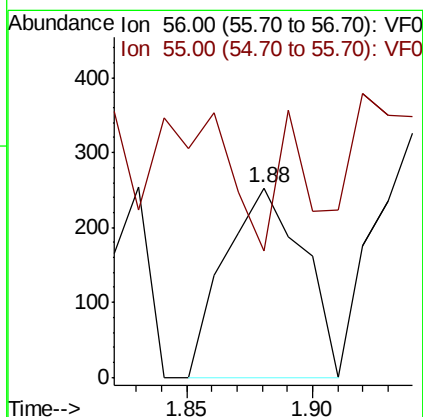
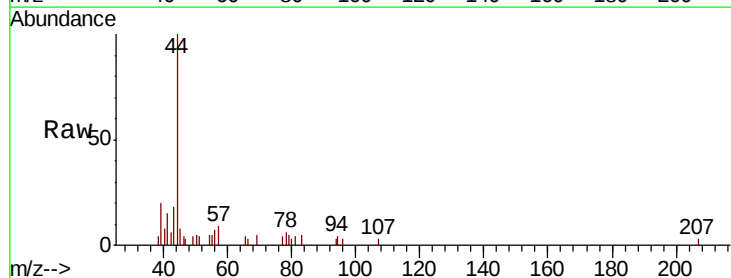
Tot Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 66.0 12.7 19.1#

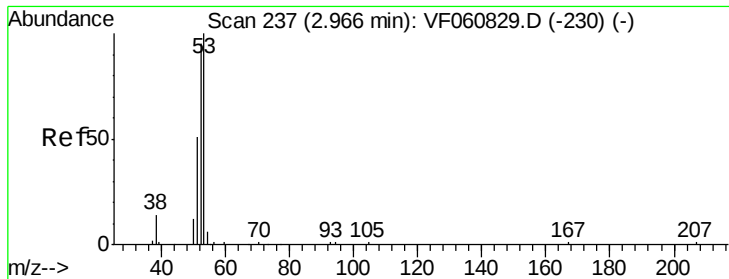


#13

Acrolein
Concen: 6.440 ug/l
RT: 1.88 min Scan# 127
Delta R.T. -0.14 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

Tgt Ion: 56 Resp: 552
Ion Ratio Lower Upper
56 100
55 66.4 61.2 91.8





#15

Acrylonitrile

Concen: 3.589 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.02 min

Lab File: VF060902.D

Acq: 3 Dec 2018 20:17

Instrument :

MSVOA_F

ClientSampleId :

TP-MH-F

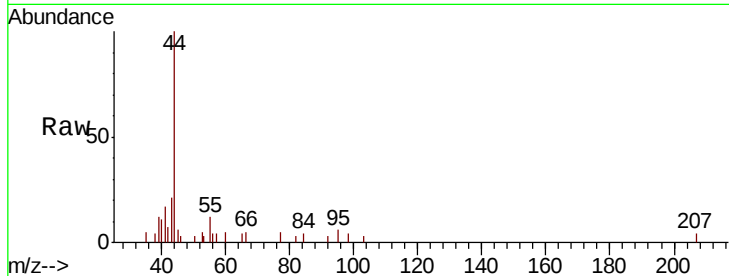
Tot Ion: 53 Resp: 728

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

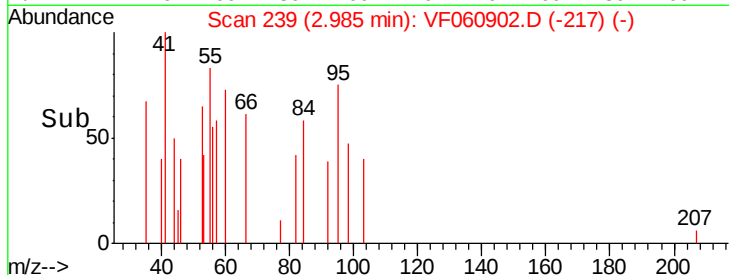
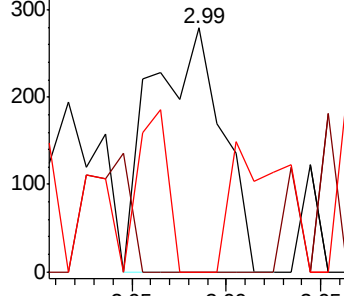
51 0.0 40.7 61.1#



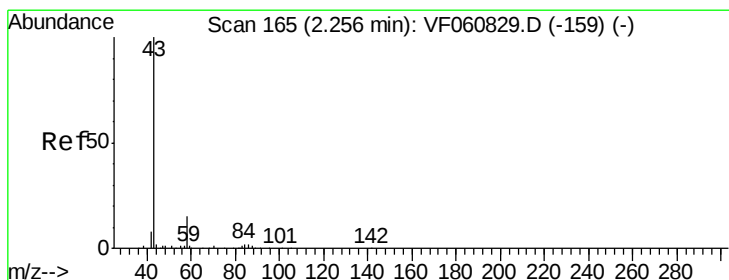
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 70.684 ug/l

RT: 2.26 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060902.D

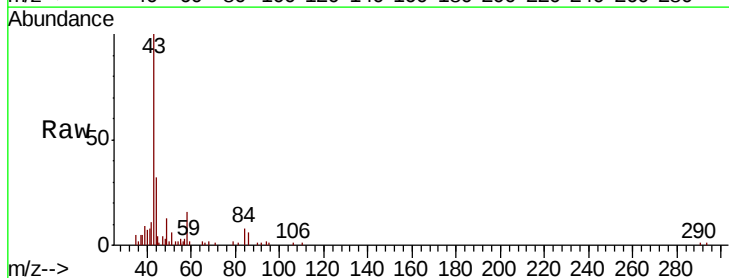
Acq: 3 Dec 2018 20:17

Tgt Ion: 43 Resp: 28767

Ion Ratio Lower Upper

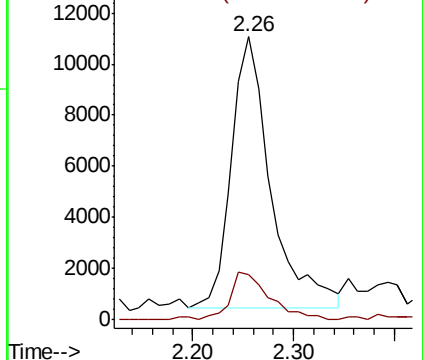
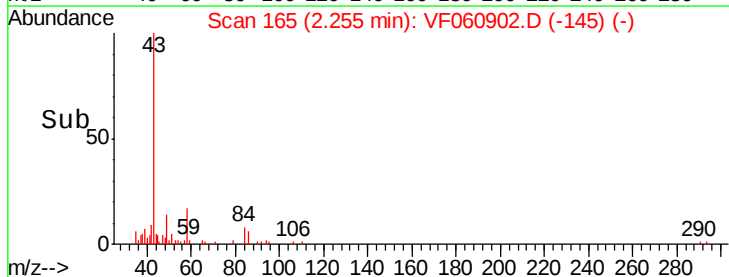
43 100

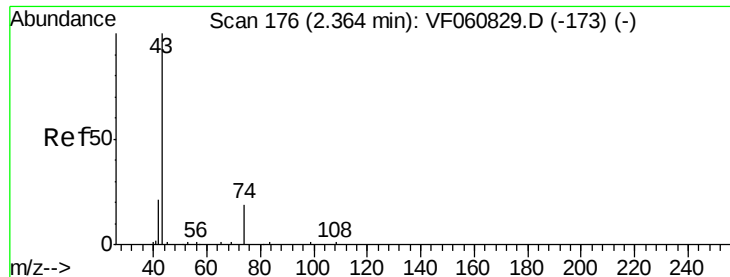
58 16.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

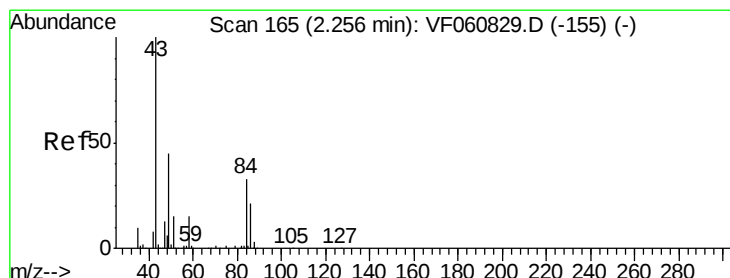
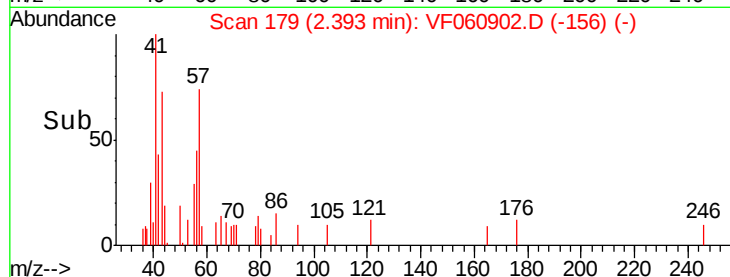
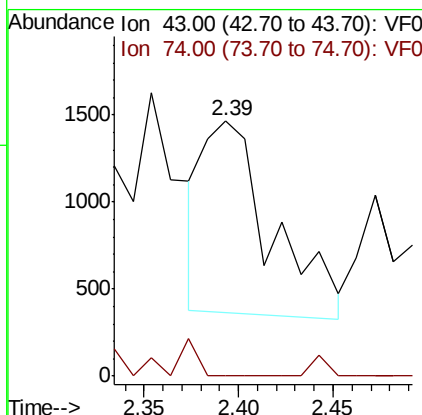
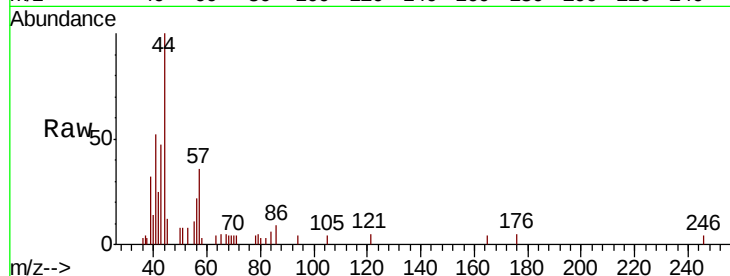




#18
Methyl Acetate
Concen: 2.485 ug/l
RT: 2.39 min Scan# 179
Delta R.T. 0.03 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

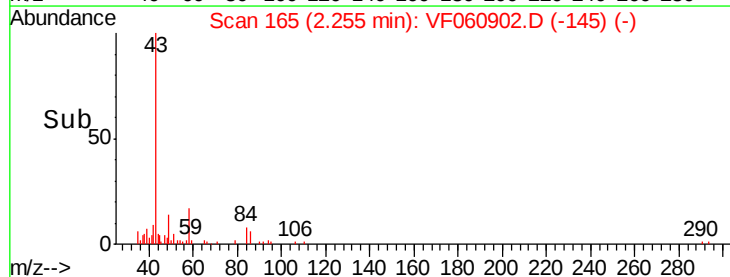
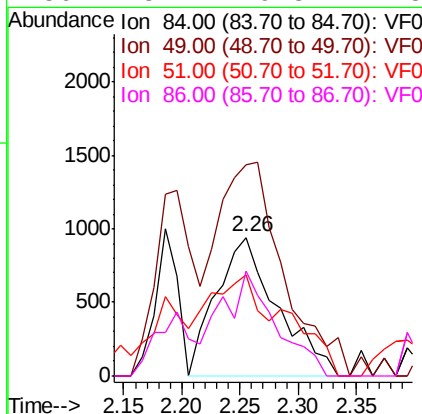
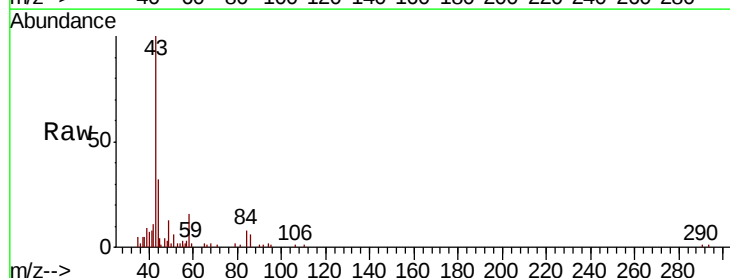
Instrument :
MSVOA_F
ClientSampleId :
TP-MH-F

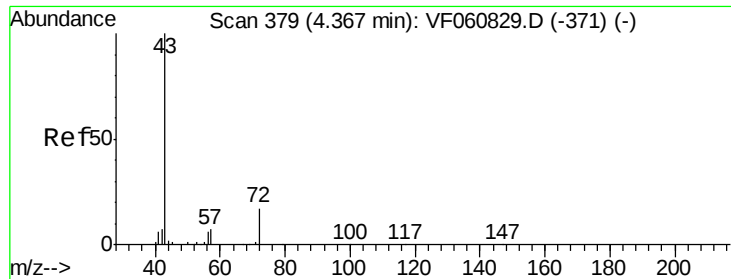
Tot Ion: 43 Resp: 2768
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: 2.303 ug/l
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

Tgt Ion: 84 Resp: 3439
Ion Ratio Lower Upper
84 100
49 152.2 111.3 166.9
51 72.7 38.0 57.0#
86 75.4 49.8 74.8#





#25

2-Butanone

Concen: 14.837 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060902.D

Acq: 3 Dec 2018 20:17

Instrument :

MSVOA_F

ClientSampleId :

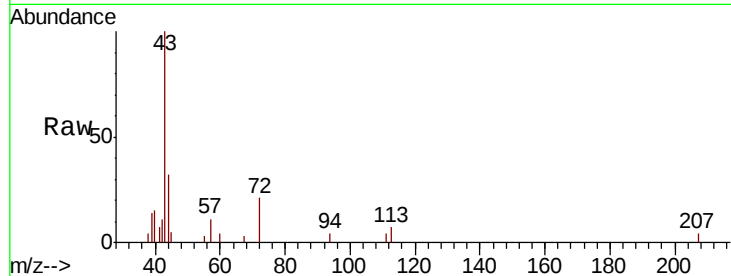
TP-MH-F

Tot Ion: 43 Resp: 10444

Ion Ratio Lower Upper

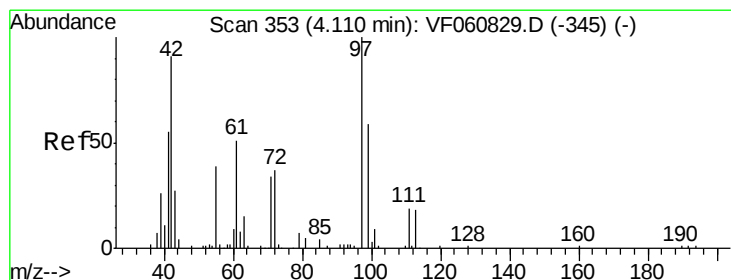
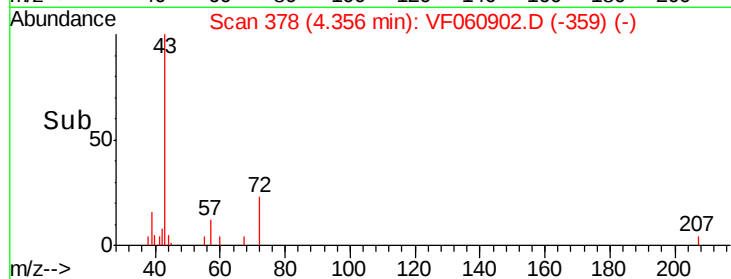
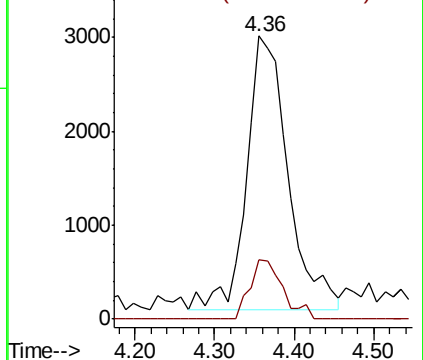
43 100

72 20.9 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 3.878 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF060902.D

Acq: 3 Dec 2018 20:17

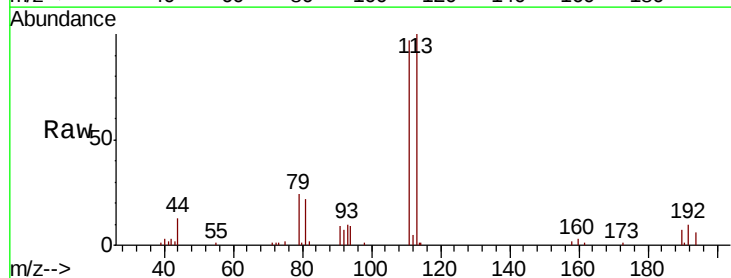
Tgt Ion: 42 Resp: 1157

Ion Ratio Lower Upper

42 100

72 15.0 31.9 47.9#

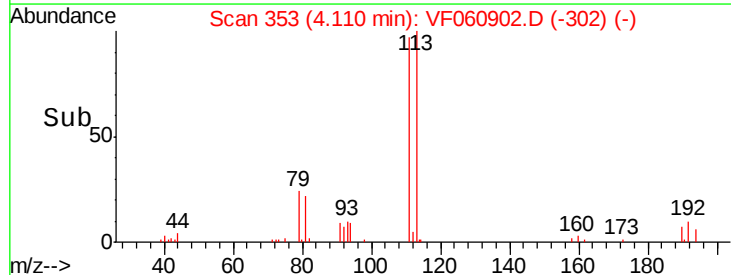
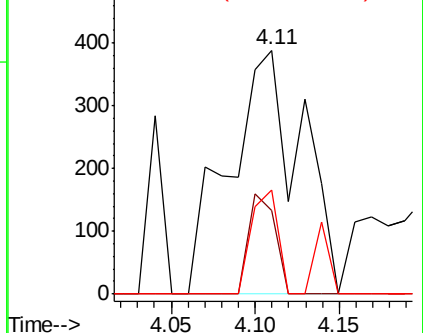
71 15.6 28.7 43.1#

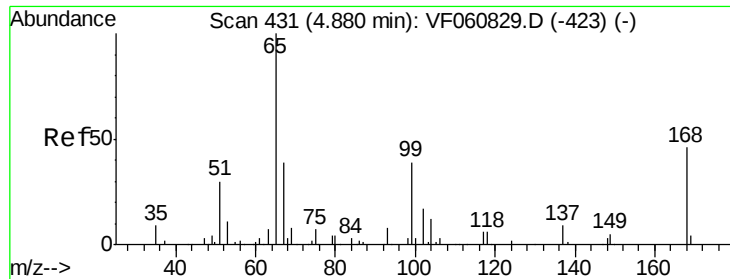


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

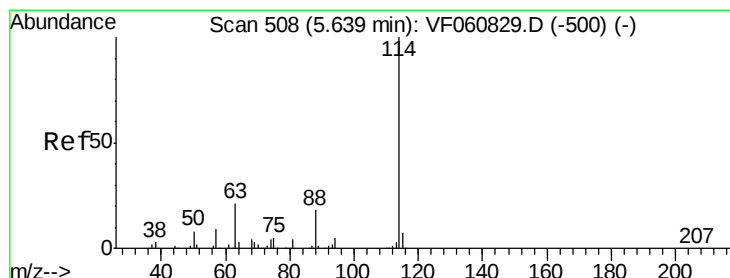
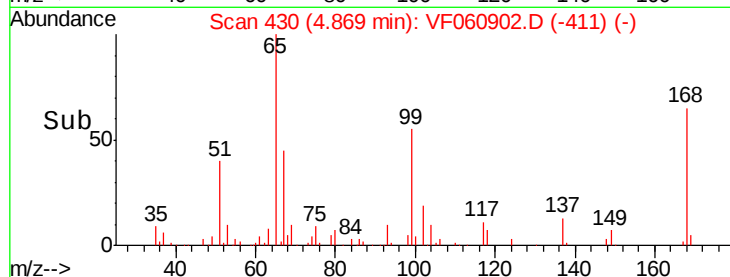
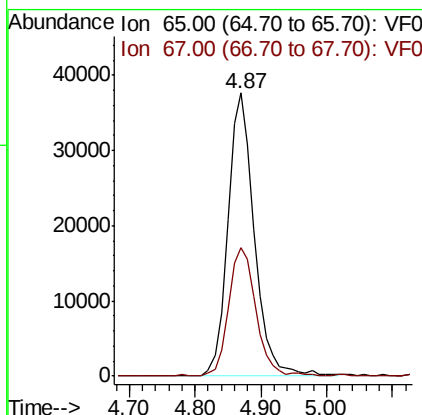
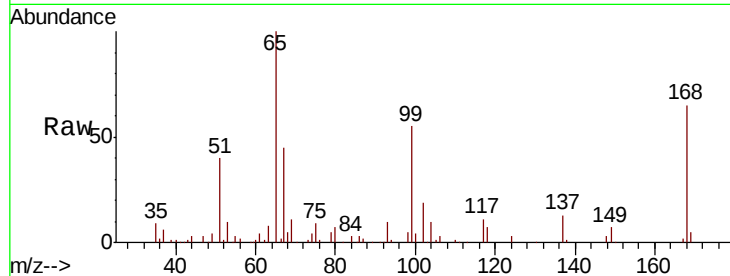




#33
 1,2-Dichloroethane-d4
 Concen: 47.937 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VF060902.D
 Acq: 3 Dec 2018 20:17

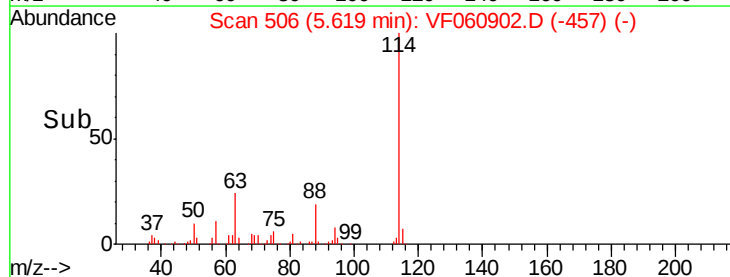
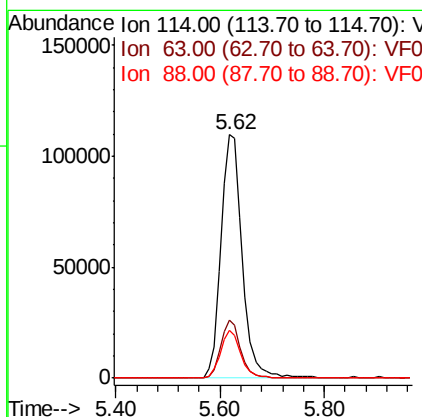
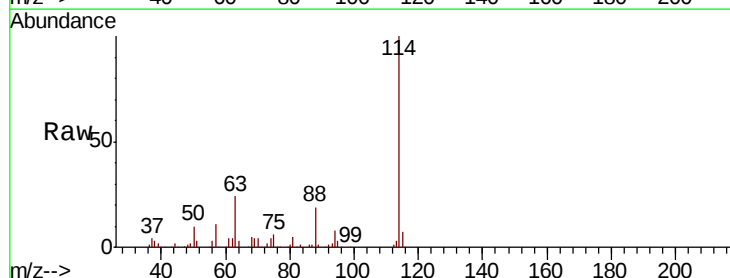
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-MH-F

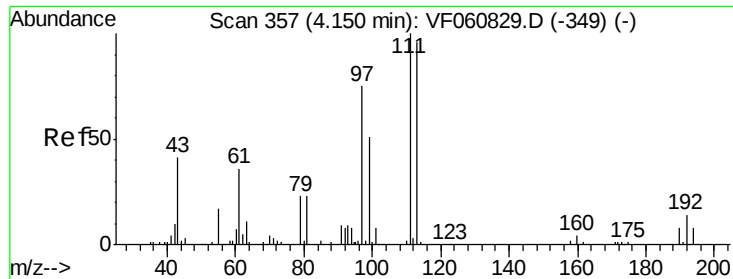
Tot Ion: 65 Resp: 105797
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VF060902.D
 Acq: 3 Dec 2018 20:17

Tgt Ion: 114 Resp: 309433
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 41.6
 88 19.5 0.0 36.6

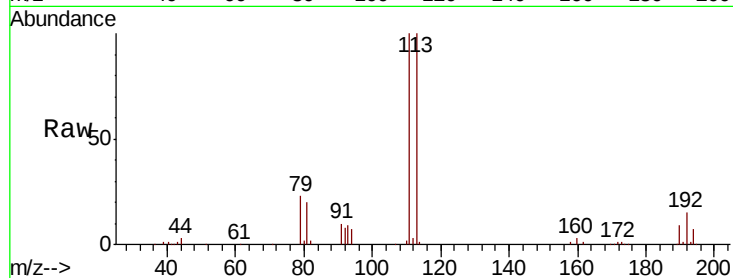




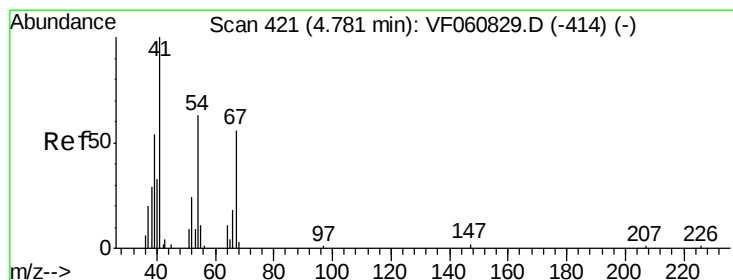
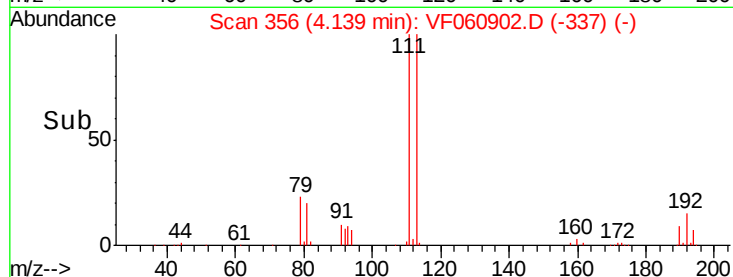
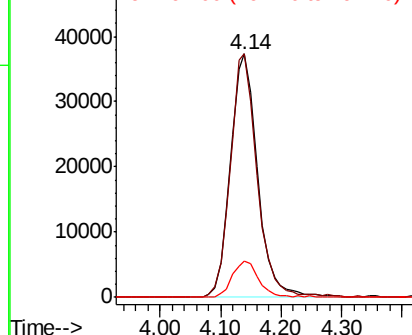
#35
Dibromofluoromethane
Concen: 47.363 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

Instrument :
MSVOA_F
ClientSampleId :
TP-MH-F

Tot Ion:113 Resp: 116268
Ion Ratio Lower Upper
113 100
111 100.0 83.0 124.6
192 14.8 12.3 18.5

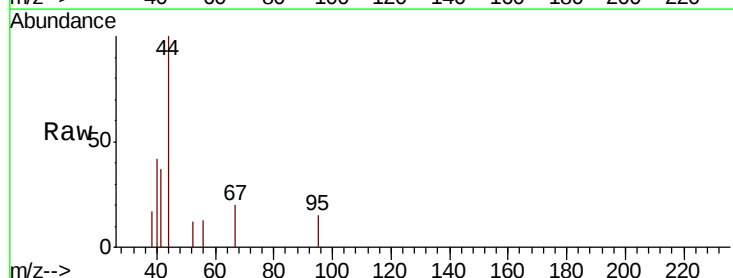


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

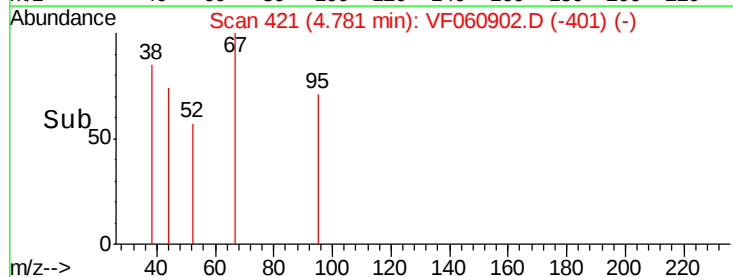
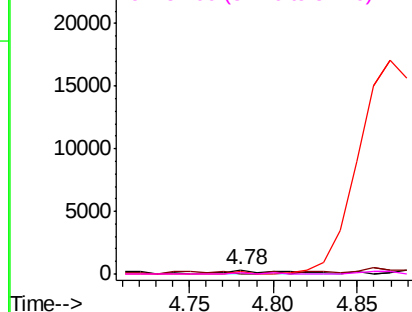


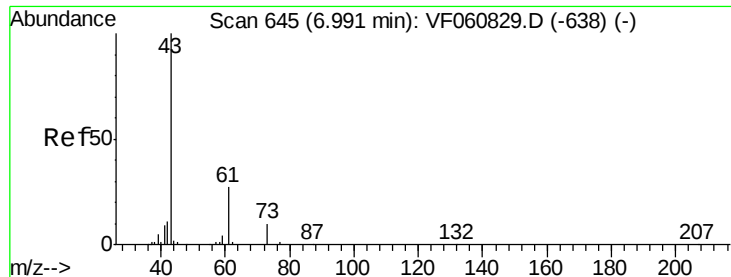
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.78 min Scan# 421
Delta R.T. -0.00 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

Tgt Ion: 41 Resp: 807
Ion Ratio Lower Upper
41 100
39 0.0 53.0 79.6#
67 55.3 43.8 65.6
52 31.8 37.8 56.8#



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



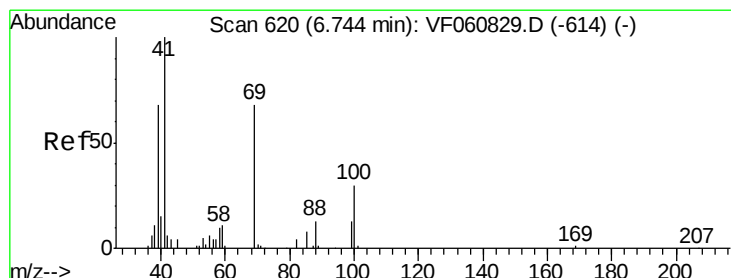
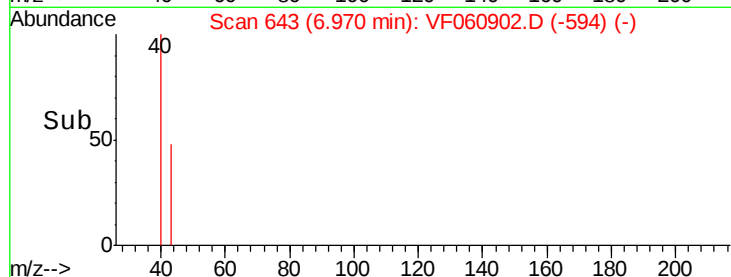
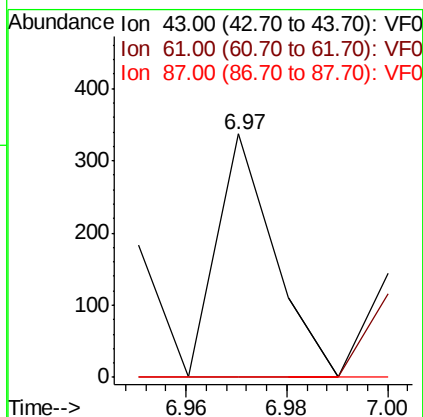
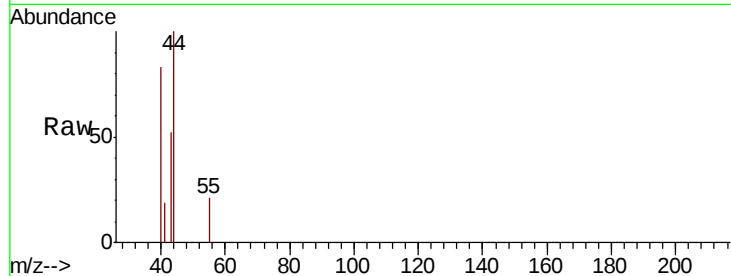


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.97 min Scan# 643
 Delta R.T. -0.02 min
 Lab File: VF060902.D
 Acq: 3 Dec 2018 20:17

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-MH-F

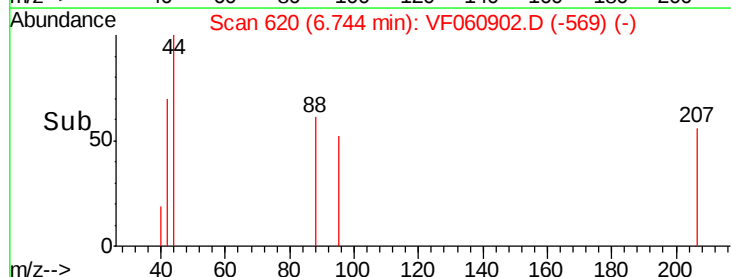
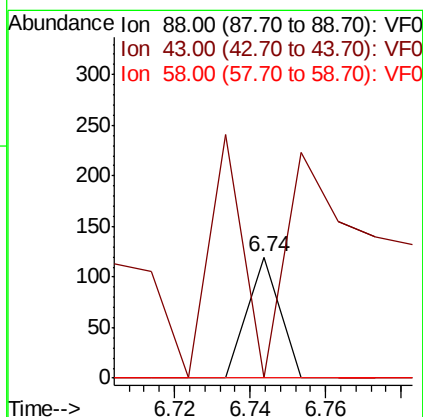
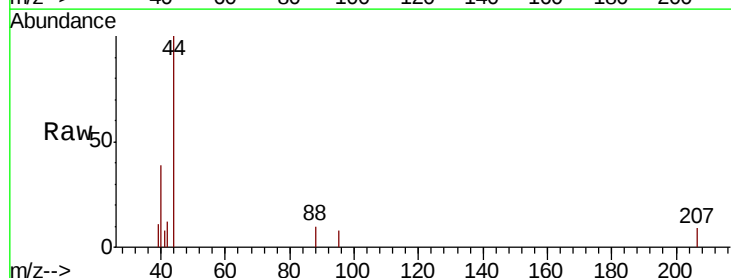
Tot Ion: 43 Resp: 265
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#

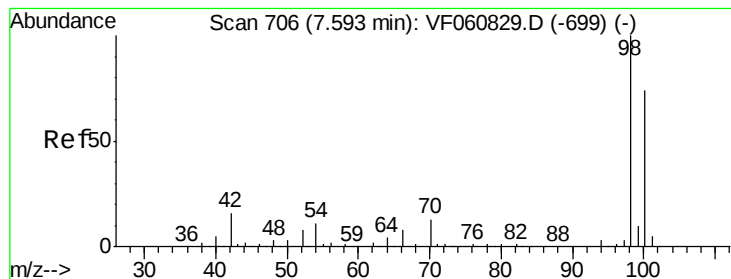


#49

1,4-Dioxane
 Concen: 7.684 ug/l
 RT: 6.74 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: VF060902.D
 Acq: 3 Dec 2018 20:17

Tgt Ion: 88 Resp: 71
 Ion Ratio Lower Upper
 88 100
 43 0.0 42.0 63.0#
 58 0.0 61.8 92.8#





#50

Toluene-d8

Concen: 40.707 ug/l

RT: 7.58 min Scan# 705

Delta R.T. -0.01 min

Lab File: VF060902.D

Acq: 3 Dec 2018 20:17

Instrument :

MSVOA_F

ClientSampleId :

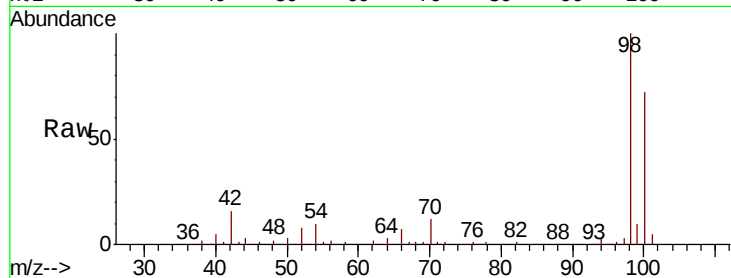
TP-MH-F

Tot Ion: 98 Resp: 294360

Ion Ratio Lower Upper

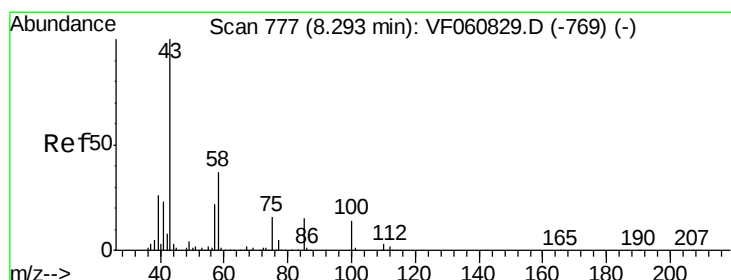
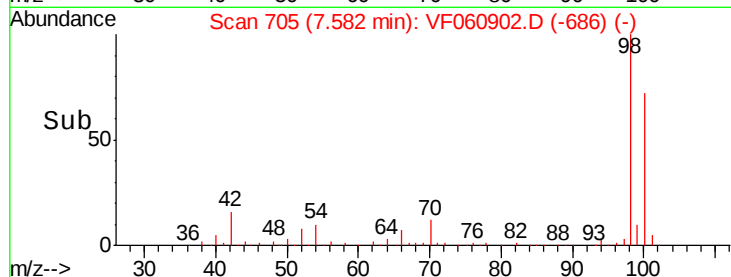
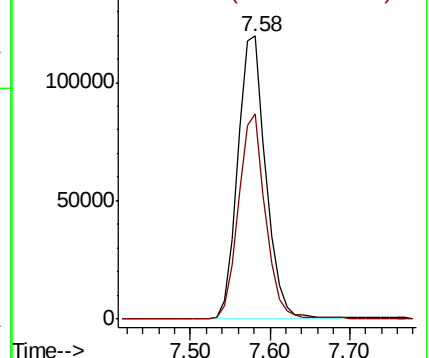
98 100

100 72.4 59.3 88.9



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: 1.866 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060902.D

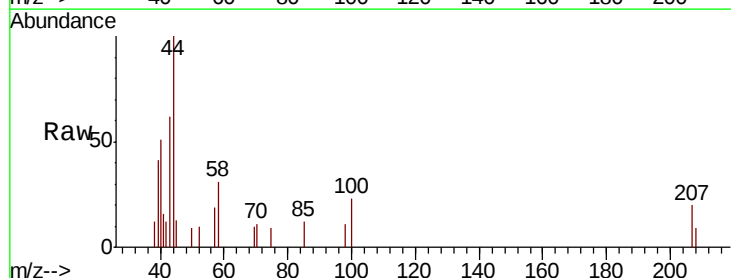
Acq: 3 Dec 2018 20:17

Tgt Ion: 43 Resp: 2400

Ion Ratio Lower Upper

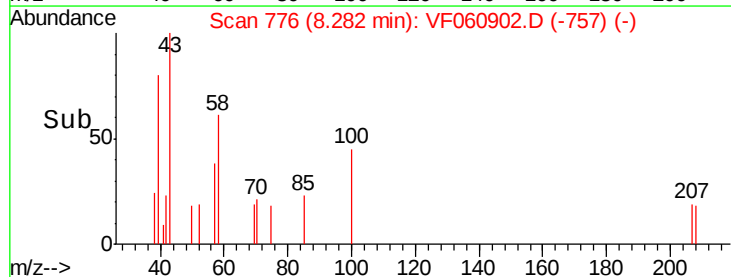
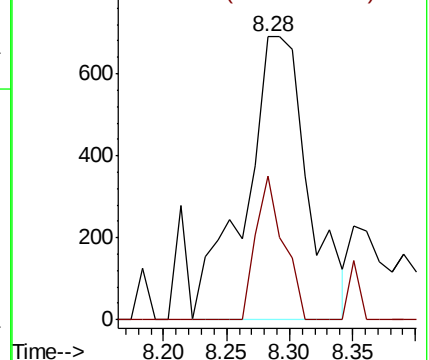
43 100

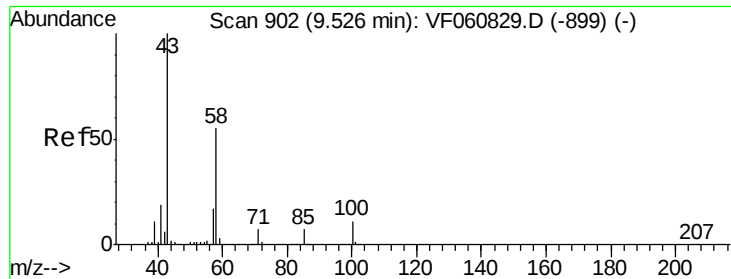
58 50.9 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

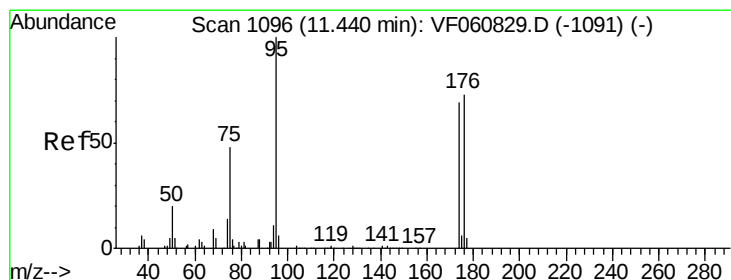
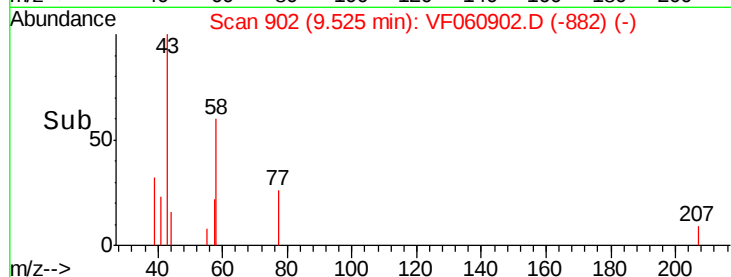
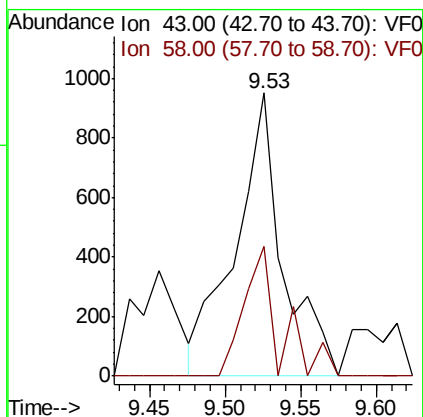
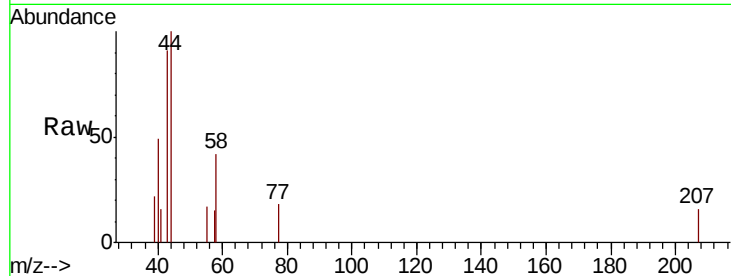




#59
2-Hexanone
Concen: 2.301 ug/l
RT: 9.53 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

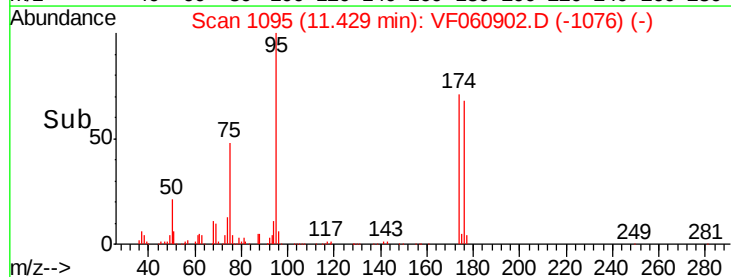
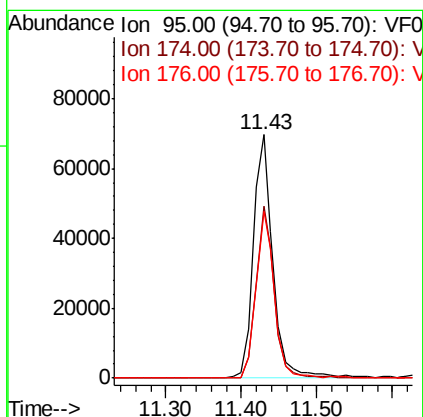
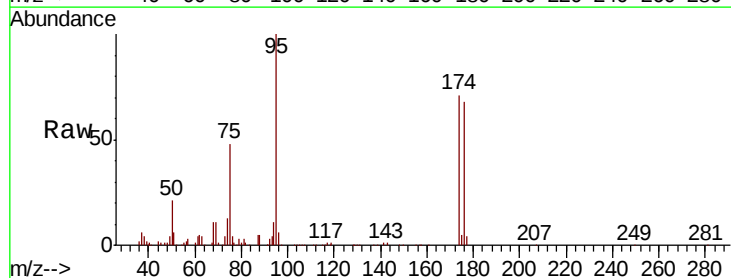
Instrument :
MSVOA_F
ClientSampled :
TP-MH-F

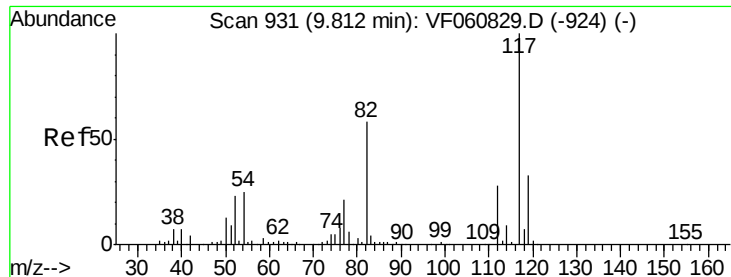
Tot Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
58 45.8 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 38.117 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

Tgt Ion: 95 Resp: 125271
Ion Ratio Lower Upper
95 100
174 70.7 0.0 138.2
176 68.3 0.0 146.2

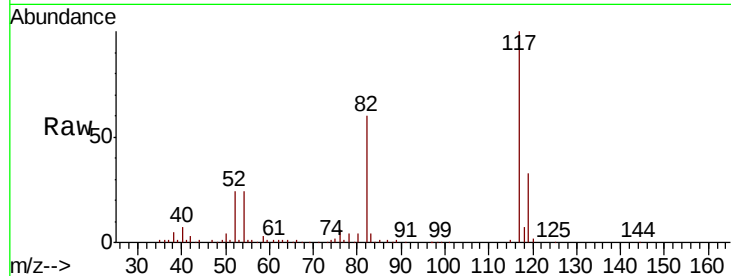




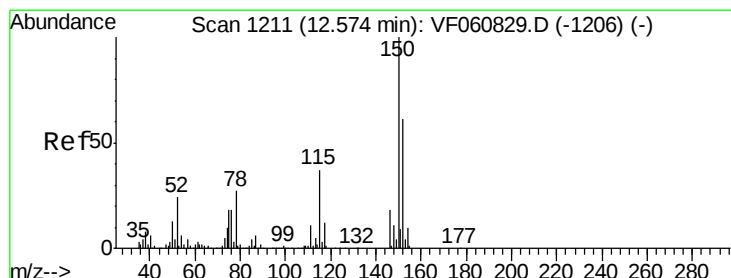
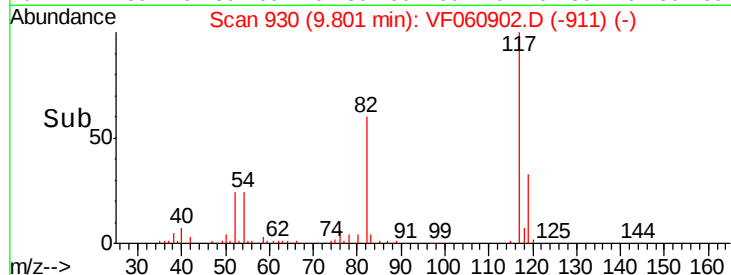
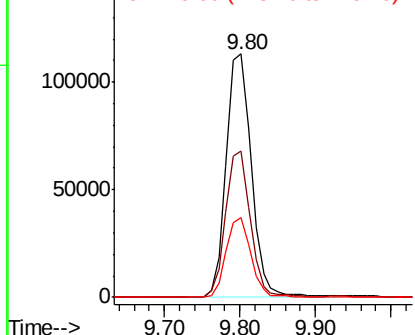
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

Instrument :
MSVOA_F
ClientSampleId :
TP-MH-F

Tot Ion:117 Resp: 262651
Ion Ratio Lower Upper
117 100
82 60.3 46.6 69.8
119 32.9 26.4 39.6

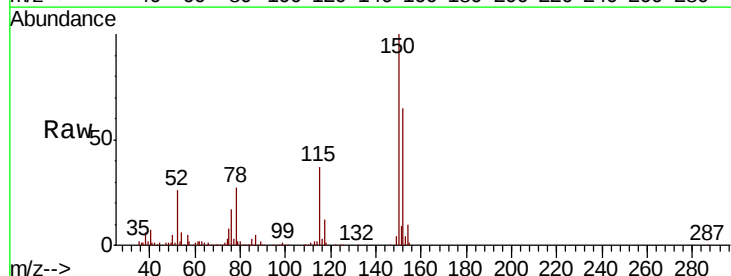


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

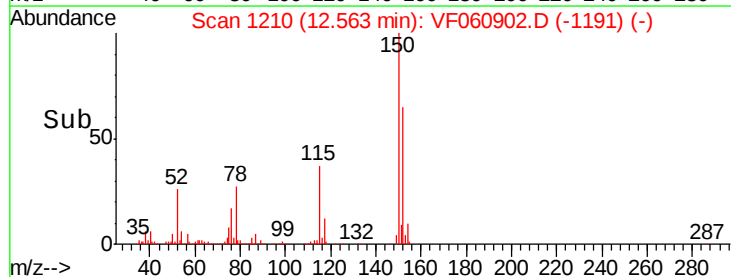
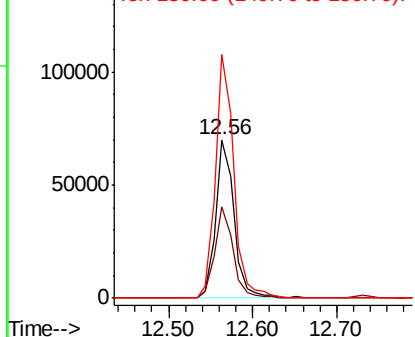


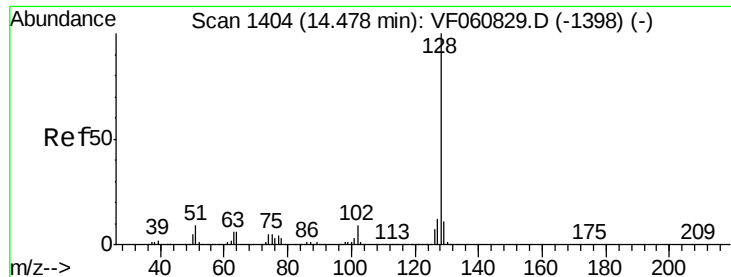
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

Tgt Ion:152 Resp: 106071
Ion Ratio Lower Upper
152 100
115 57.7 30.1 90.5
150 154.1 0.0 327.6



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





#95
Naphthalene
Concen: Below Cal
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF060902.D
Acq: 3 Dec 2018 20:17

Instrument :
MSVOA_F
ClientSampleId :
TP-MH-F

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.5	9.9	14.9
129	9.2	9.1	13.7

