

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122818\
 Data File : VF061240.D
 Acq On : 28 Dec 2018 17:15
 Operator : VA/AP
 Sample : J6546-02
 Misc : 6.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0057

Quant Time: Dec 29 00:57:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	271498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	498301	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	433877	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	223808	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	161791	46.33	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.66%	
35) Dibromofluoromethane	4.13	113	195077	48.87	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.74%	
50) Toluene-d8	7.57	98	508110	44.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	89.84%	
62) 4-Bromofluorobenzene	11.42	95	229194	43.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.90%	

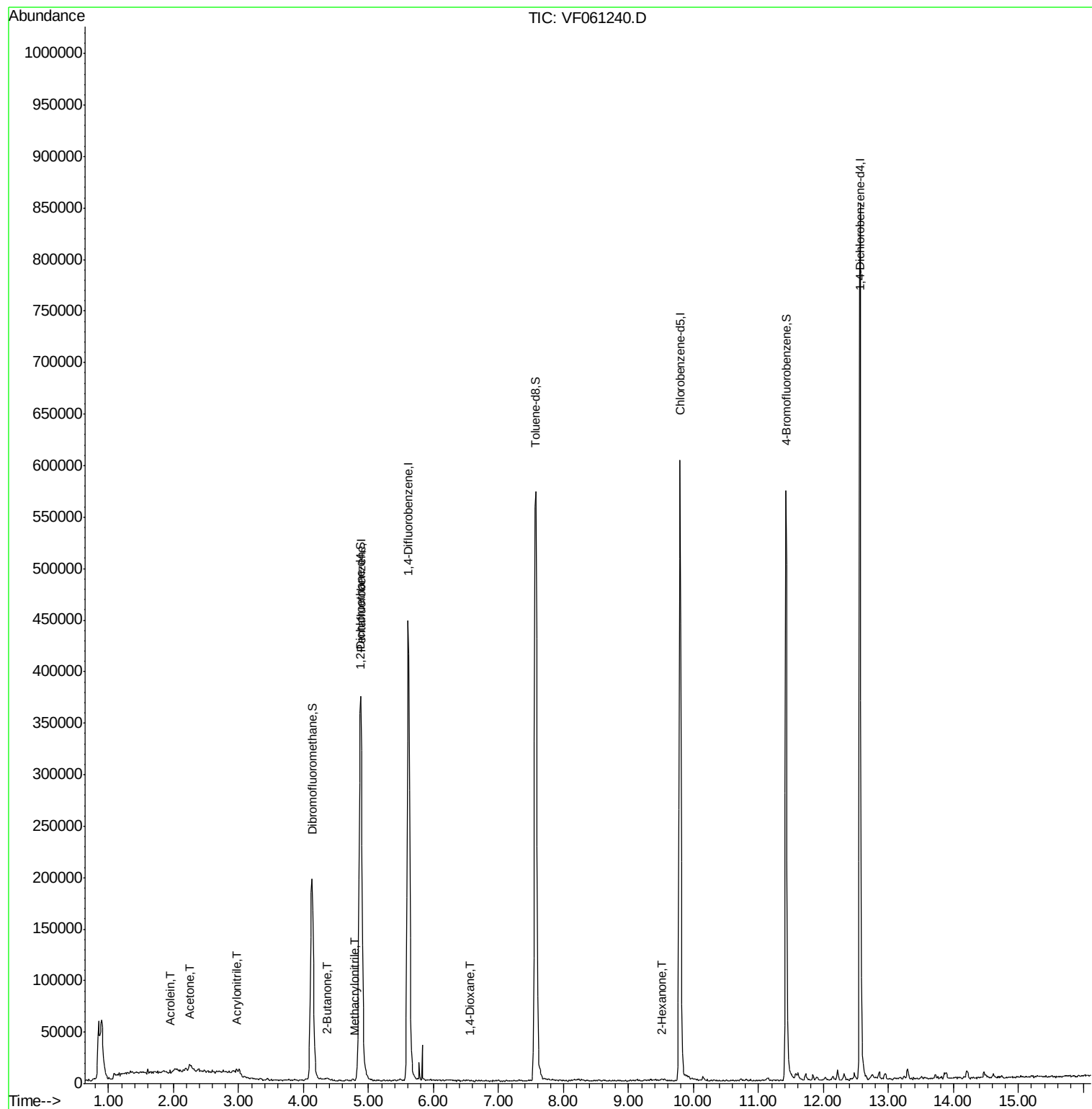
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.94	56	178	1.748	ug/l	81
15) Acrylonitrile	2.97	53	1165	3.575	ug/l #	36
16) Acetone	2.25	43	11935	17.097	ug/l	99
20) Methylene Chloride	2.26	84	2023	Below Cal	#	84
25) 2-Butanone	4.36	43	3999	3.532	ug/l	94
41) Methacrylonitrile	4.78	41	1679	1.322	ug/l #	55
49) 1,4-Dioxane	6.56	88	67	4.554	ug/l #	1
59) 2-Hexanone	9.51	43	1644	1.141	ug/l #	50
70) Styrene	10.80	104	400	Below Cal	#	42
87) 1,3-Dichlorobenzene	12.49	146	701	Below Cal		84

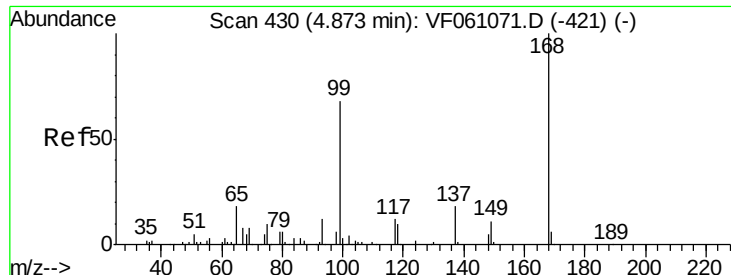
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122818\
Data File : VF061240.D
Acq On : 28 Dec 2018 17:15
Operator : VA/AP
Sample : J6546-02
Misc : 6.06g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
S72-0057

Quant Time: Dec 29 00:57:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061240.D

Acq: 28 Dec 2018 17:15

Instrument :

MSVOA_F

ClientSampleId :

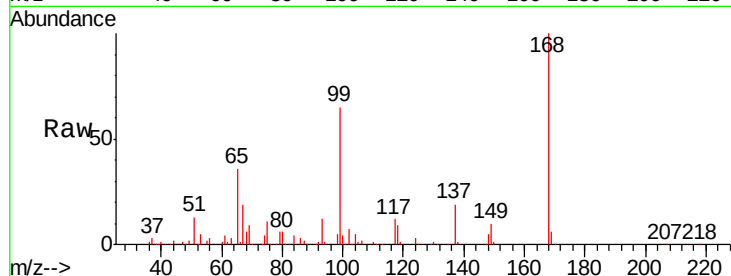
S72-0057

Tgt Ion: 168 Resp: 271498

Ion Ratio Lower Upper

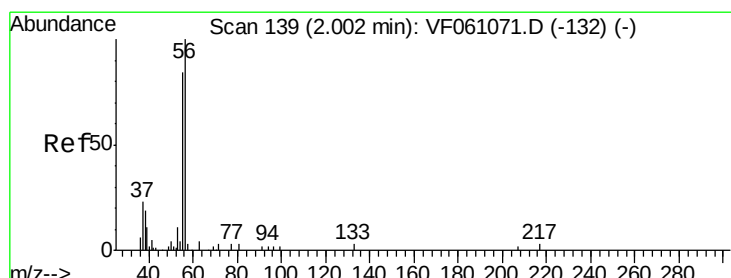
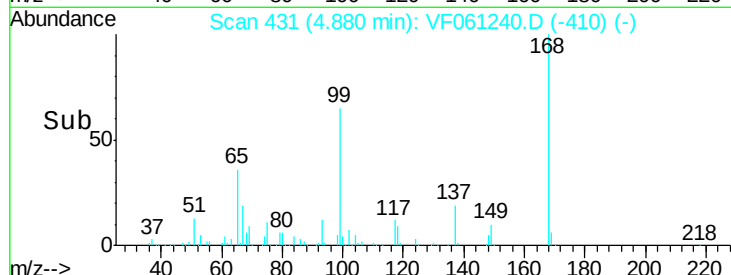
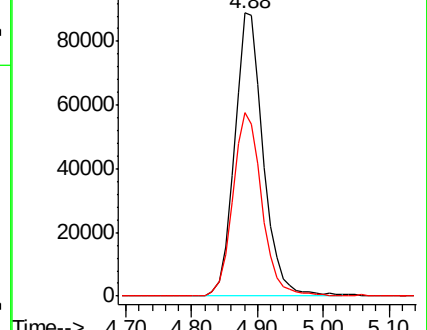
168 100

99 65.0 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 1.748 ug/l

RT: 1.94 min Scan# 133

Delta R.T. -0.06 min

Lab File: VF061240.D

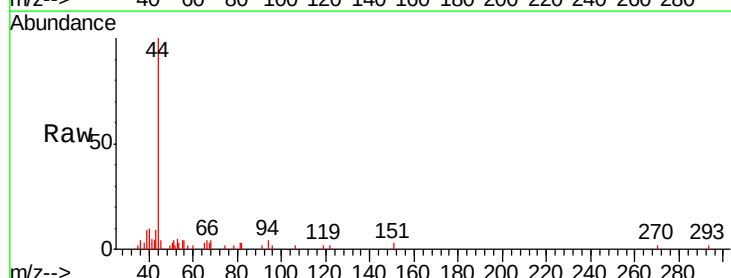
Acq: 28 Dec 2018 17:15

Tgt Ion: 56 Resp: 178

Ion Ratio Lower Upper

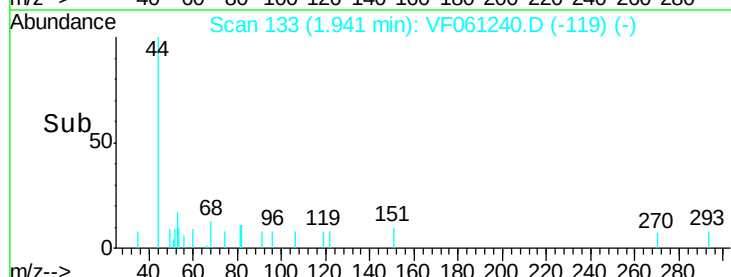
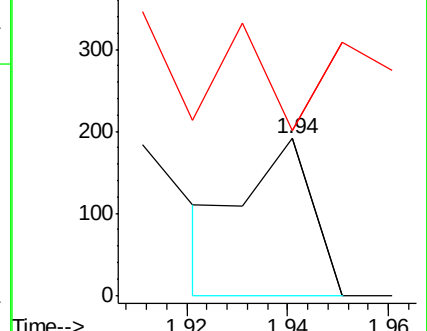
56 100

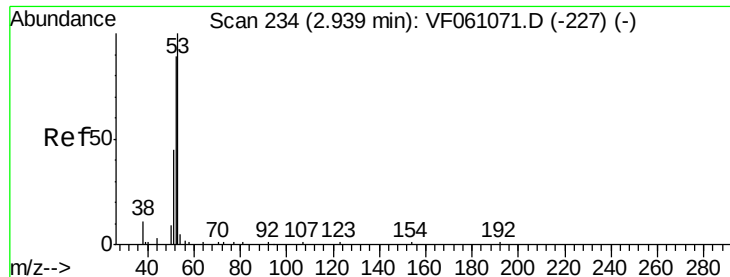
55 105.2 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 3.575 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.03 min

Lab File: VF061240.D

Acq: 28 Dec 2018 17:15

Instrument :

MSVOA_F

ClientSampleId :

S72-0057

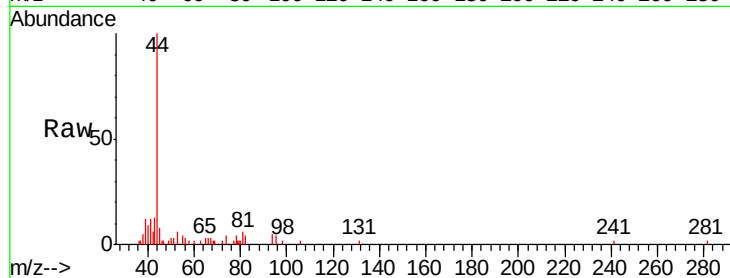
Tgt Ion: 53 Resp: 1165

Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

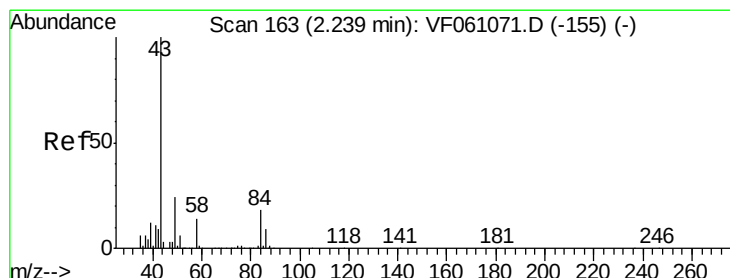
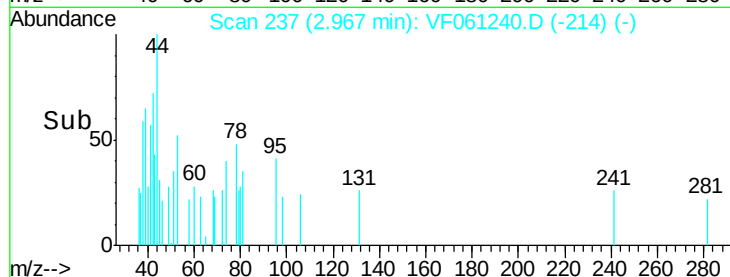
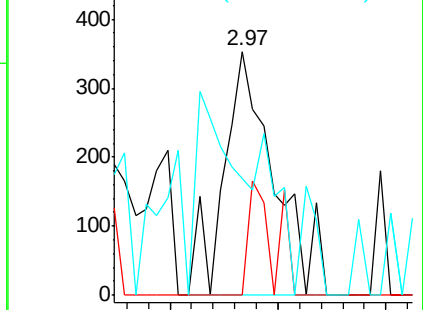
51 48.2 36.8 55.2



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 17.097 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061240.D

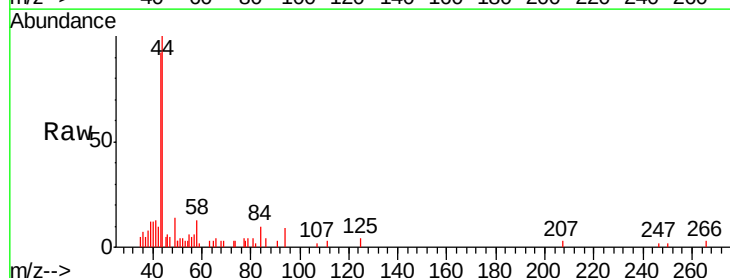
Acq: 28 Dec 2018 17:15

Tgt Ion: 43 Resp: 11935

Ion Ratio Lower Upper

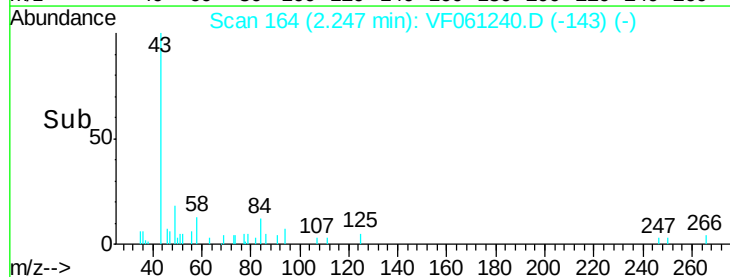
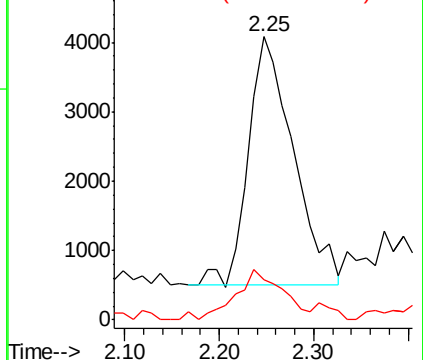
43 100

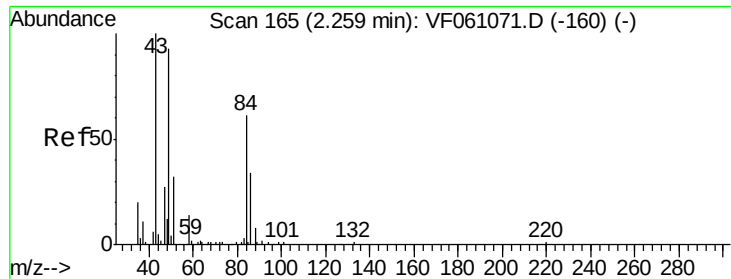
58 14.2 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

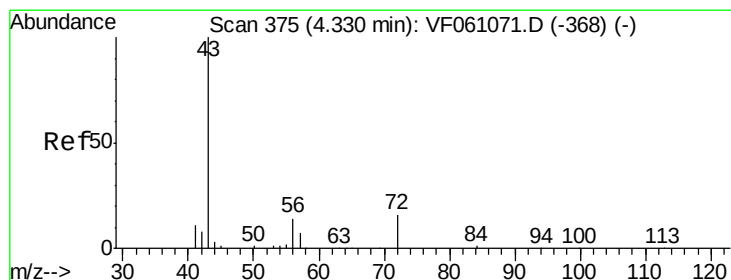
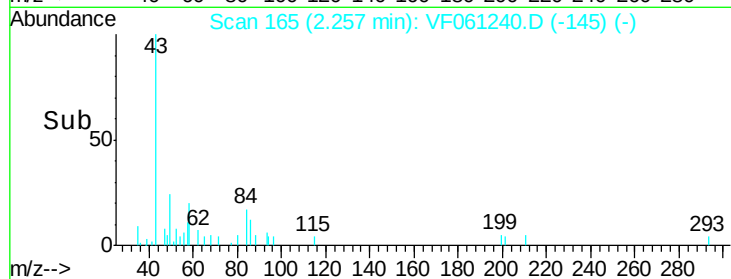
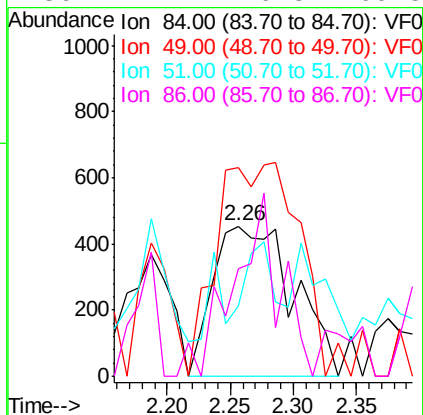
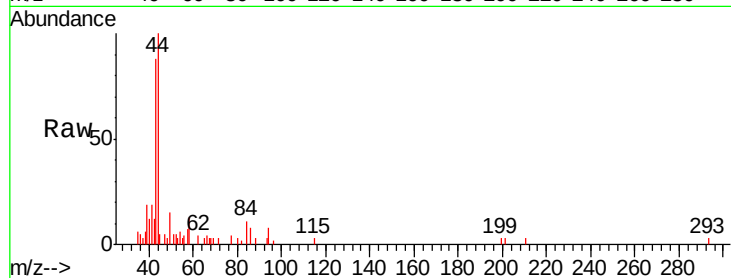




#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061240.D
Acq: 28 Dec 2018 17:15

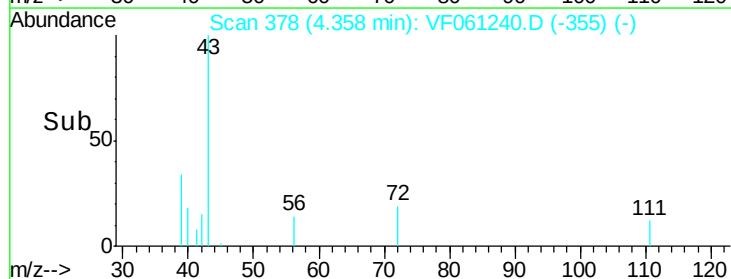
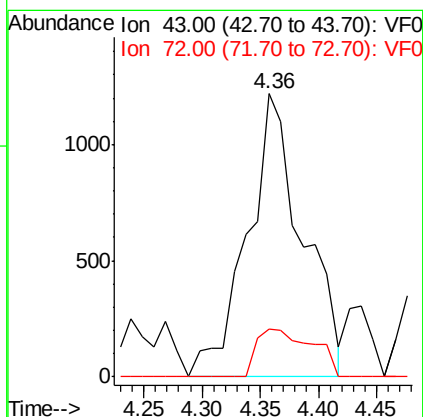
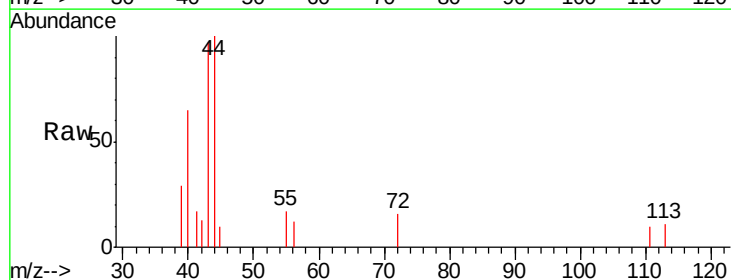
Instrument :
MSVOA_F
ClientSampleId :
S72-0057

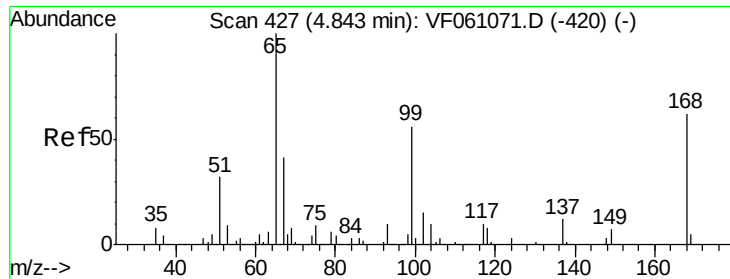
Tgt Ion: 84 Resp: 2023
Ion Ratio Lower Upper
84 100
49 139.0 129.4 194.2
51 46.7 44.0 66.0
86 71.4 46.3 69.5#



#25
2-Butanone
Concen: 3.532 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.03 min
Lab File: VF061240.D
Acq: 28 Dec 2018 17:15

Tgt Ion: 43 Resp: 3999
Ion Ratio Lower Upper
43 100
72 16.7 15.6 23.4

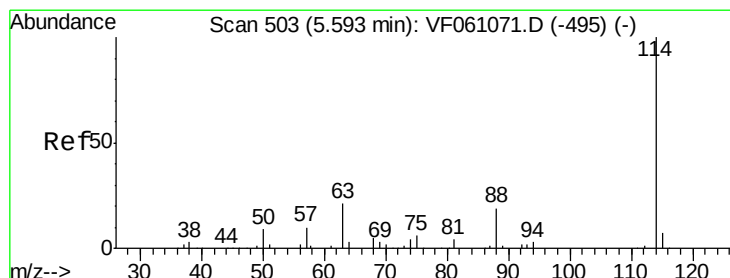
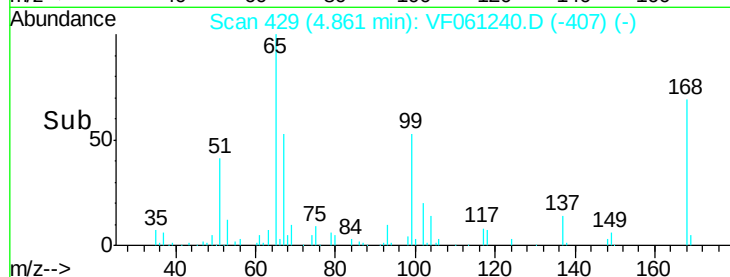
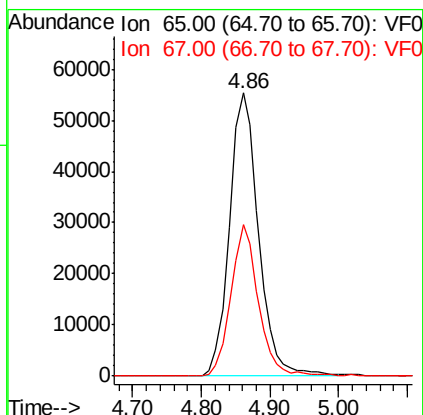
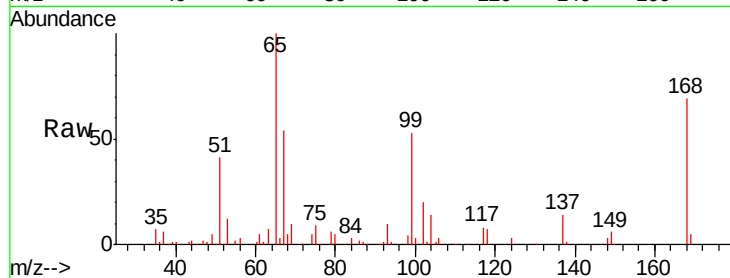




#33
 1,2-Dichloroethane-d4
 Concen: 46.333 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.02 min
 Lab File: VF061240.D
 Acq: 28 Dec 2018 17:15

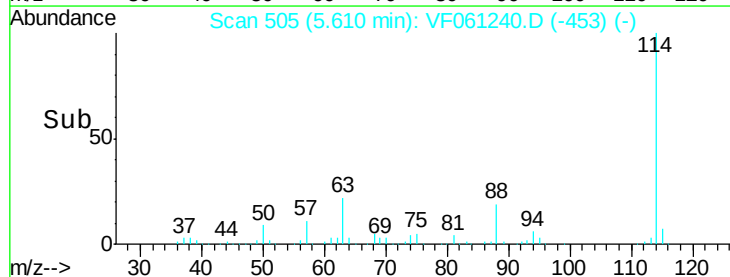
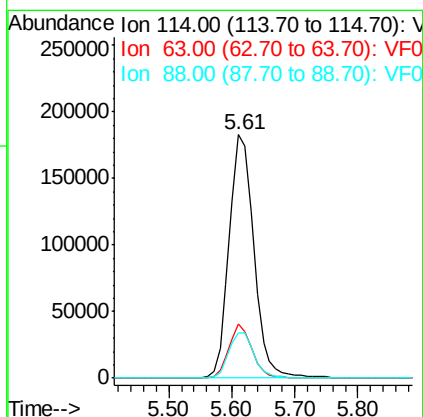
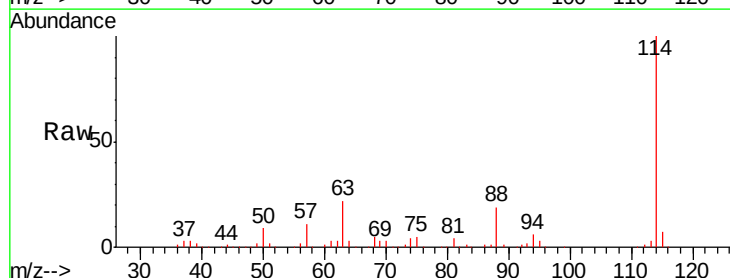
Instrument :
 MSVOA_F
 ClientSampled :
 S72-0057

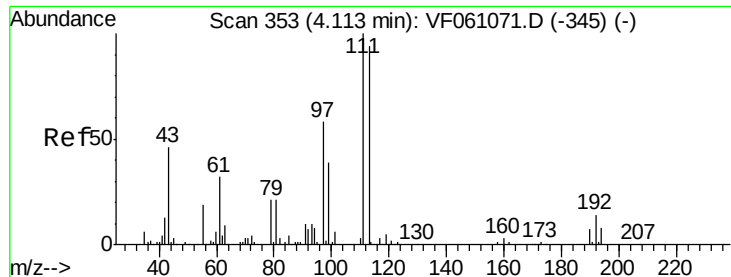
Tgt Ion: 65 Resp: 161791
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VF061240.D
 Acq: 28 Dec 2018 17:15

Tgt Ion: 114 Resp: 498301
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.6
 88 18.6 0.0 38.0

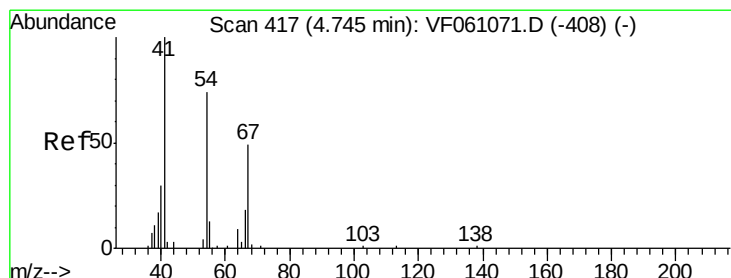
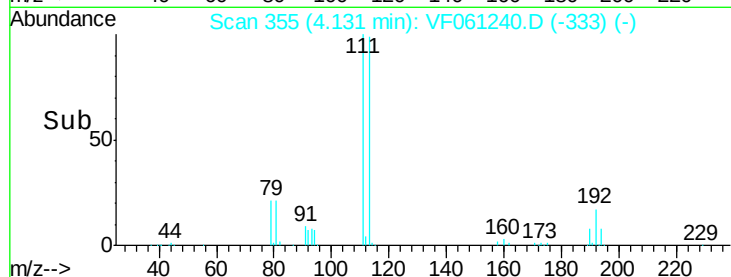
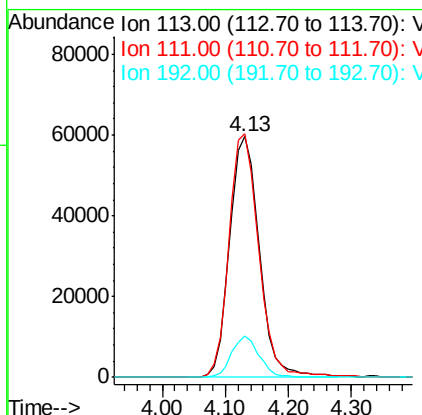
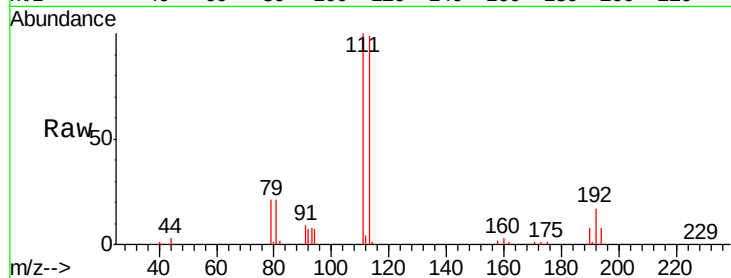




#35
 Dibromofluoromethane
 Concen: 48.871 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.02 min
 Lab File: VF061240.D
 Acq: 28 Dec 2018 17:15

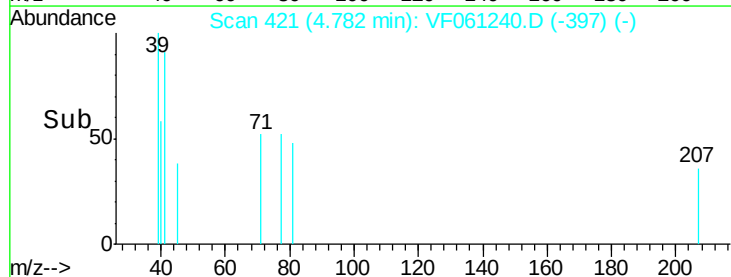
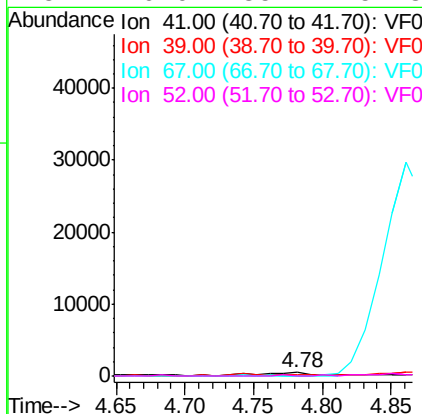
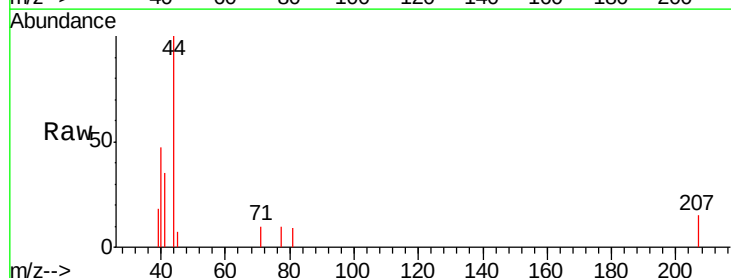
Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0057

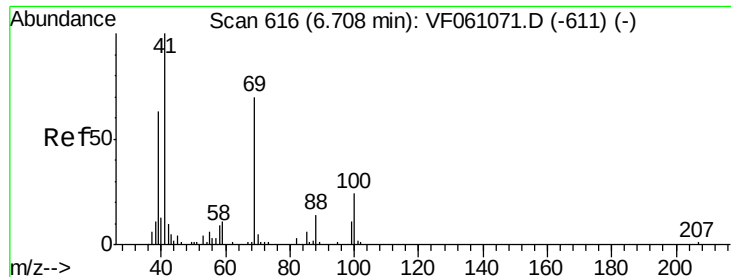
Tgt Ion: 113 Resp: 195077
 Ion Ratio Lower Upper
 113 100
 111 101.2 85.2 127.8
 192 17.4 12.8 19.2



#41
 Methacrylonitrile
 Concen: 1.322 ug/l
 RT: 4.78 min Scan# 421
 Delta R.T. 0.04 min
 Lab File: VF061240.D
 Acq: 28 Dec 2018 17:15

Tgt Ion: 41 Resp: 1679
 Ion Ratio Lower Upper
 41 100
 39 53.0 45.7 68.5
 67 0.0 38.9 58.3#
 52 0.0 35.2 52.8#





#49

1,4-Dioxane

Concen: 4.554 ug/l

RT: 6.56 min Scan# 601

Delta R.T. -0.15 min

Lab File: VF061240.D

Acq: 28 Dec 2018 17:15

Instrument :

MSVOA_F

ClientSampleId :

S72-0057

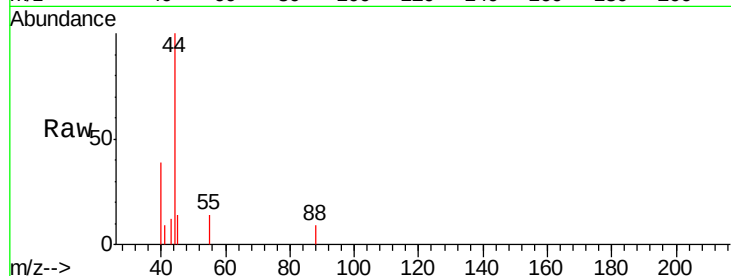
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 128.1 33.3 49.9#

58 0.0 53.2 79.8#

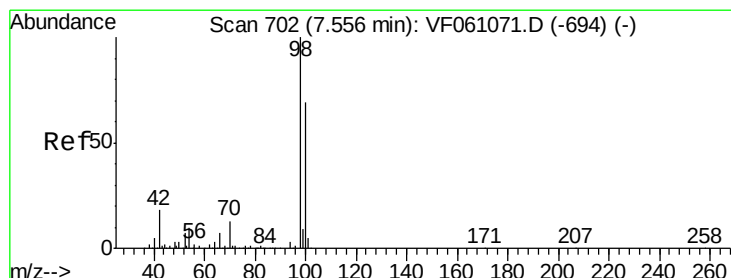
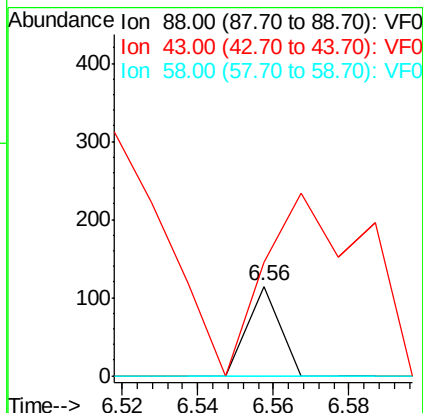
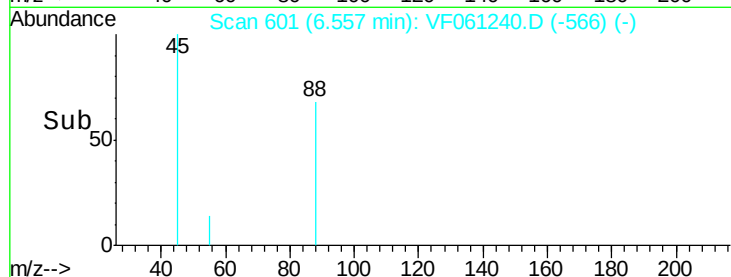


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

Time-->



#50

Toluene-d8

Concen: 44.918 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF061240.D

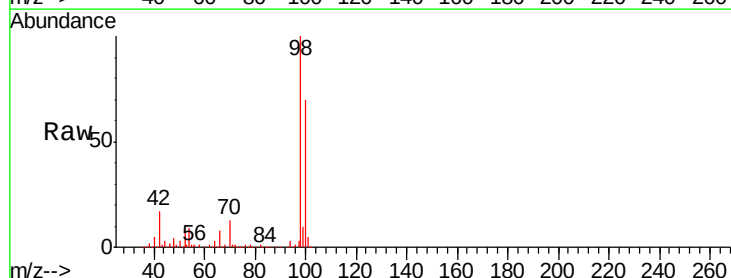
Acq: 28 Dec 2018 17:15

Tgt Ion: 98 Resp: 508110

Ion Ratio Lower Upper

98 100

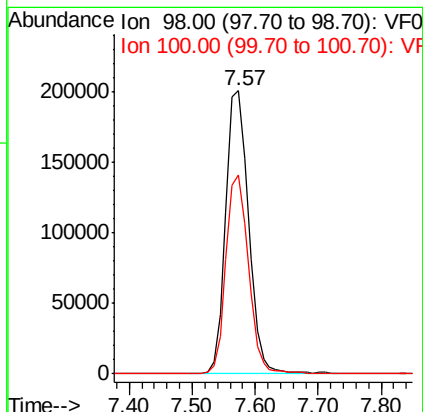
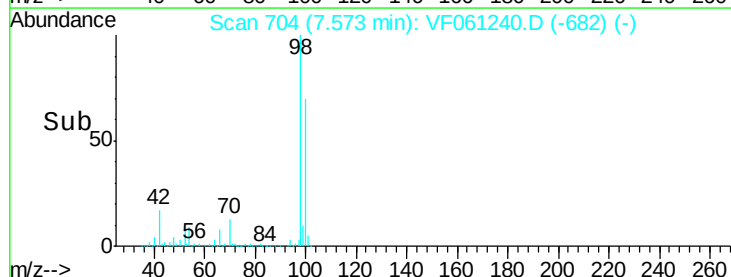
100 70.5 55.3 82.9

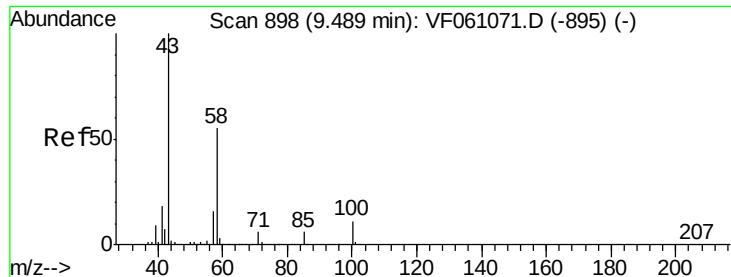


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

Time-->

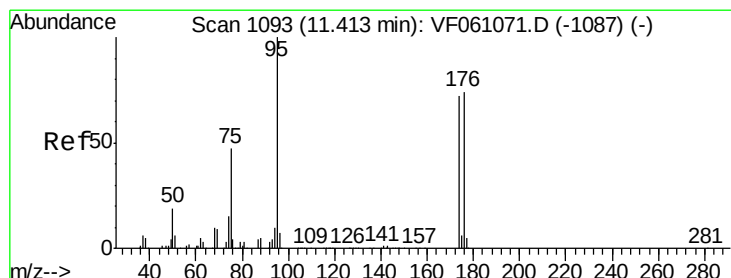
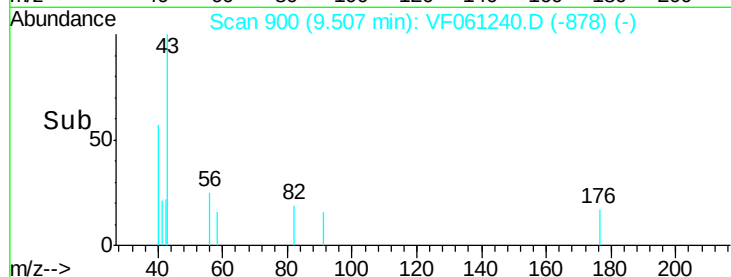
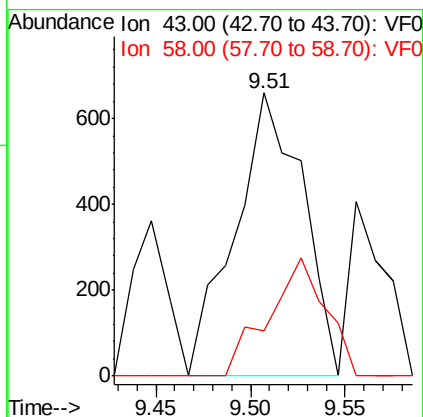
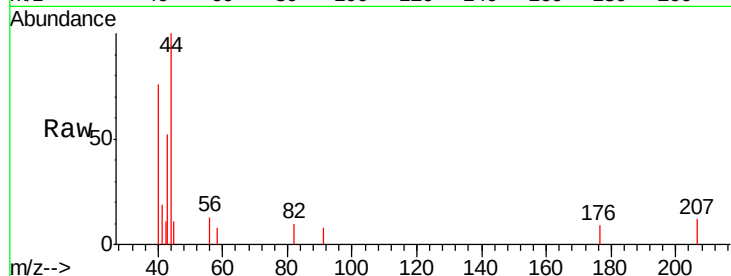




#59
2-Hexanone
Concen: 1.141 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF061240.D
Acq: 28 Dec 2018 17:15

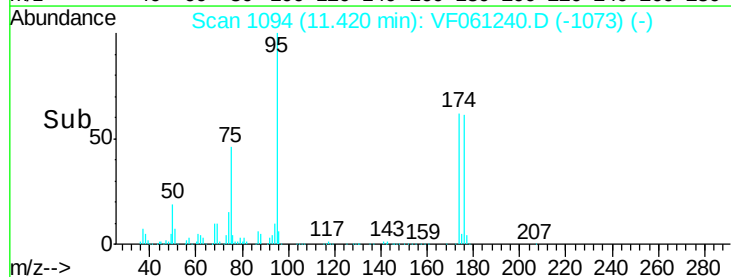
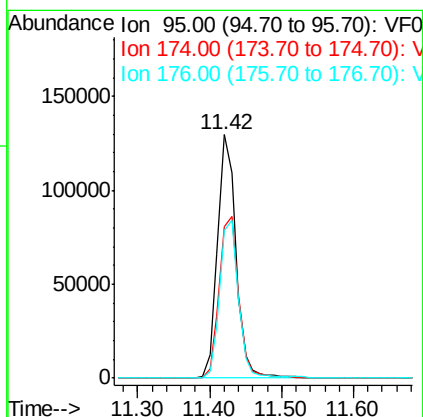
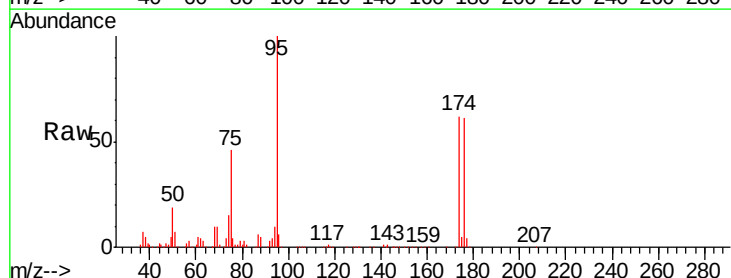
Instrument :
MSVOA_F
ClientSampleId :
S72-0057

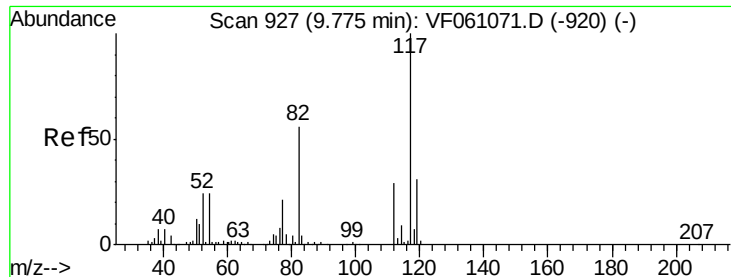
Tgt Ion: 43 Resp: 1644
Ion Ratio Lower Upper
43 100
58 15.8 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 43.949 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061240.D
Acq: 28 Dec 2018 17:15

Tgt Ion: 95 Resp: 229194
Ion Ratio Lower Upper
95 100
174 62.0 0.0 143.8
176 60.6 0.0 147.6

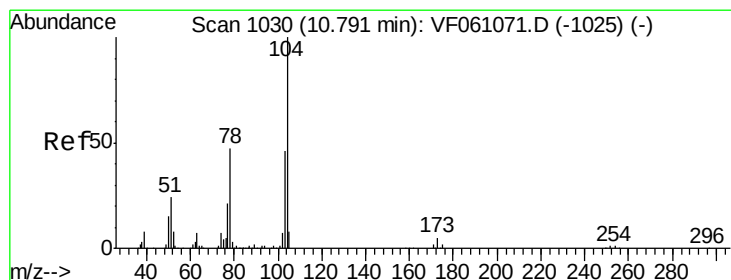
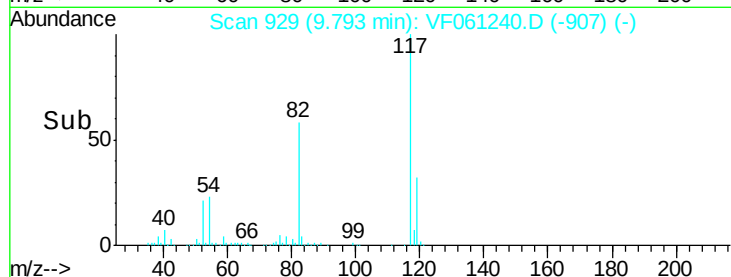
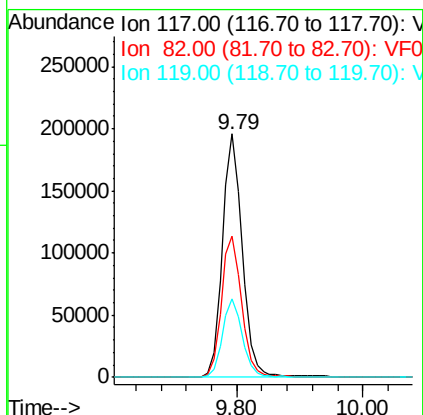
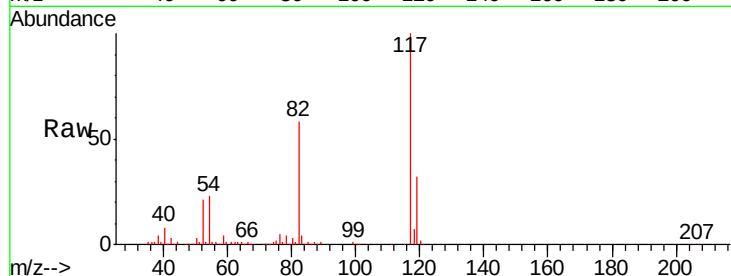




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061240.D
Acq: 28 Dec 2018 17:15

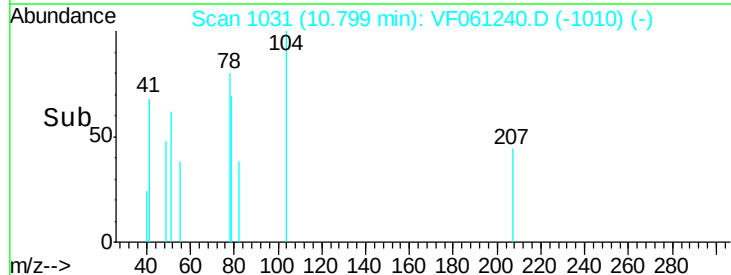
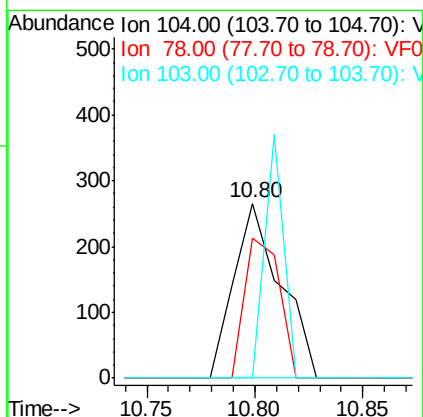
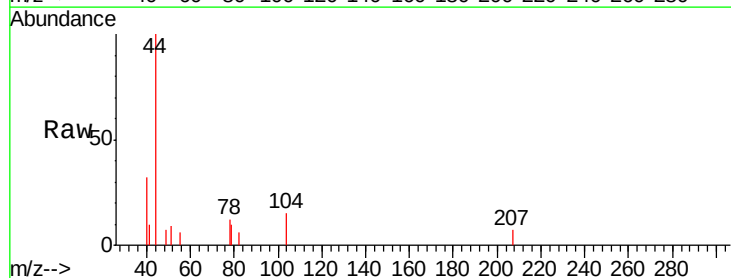
Instrument :
MSVOA_F
ClientSampleId :
S72-0057

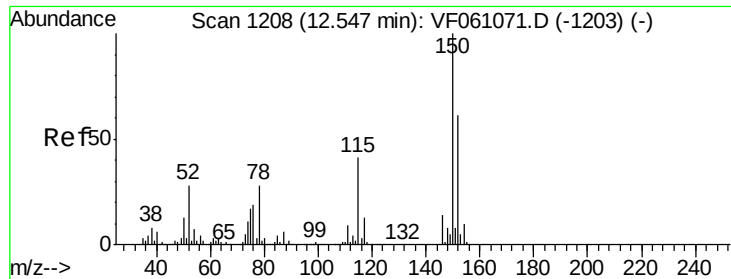
Tgt Ion:117 Resp: 433877
Ion Ratio Lower Upper
117 100
82 58.2 45.0 67.4
119 32.2 24.8 37.2



#70
Styrene
Concen: Below Cal
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061240.D
Acq: 28 Dec 2018 17:15

Tgt Ion:104 Resp: 400
Ion Ratio Lower Upper
104 100
78 80.1 38.4 57.6#
103 0.0 37.0 55.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.02 min

Lab File: VF061240.D

Acq: 28 Dec 2018 17:15

Instrument :

MSVOA_F

ClientSampleId :

S72-0057

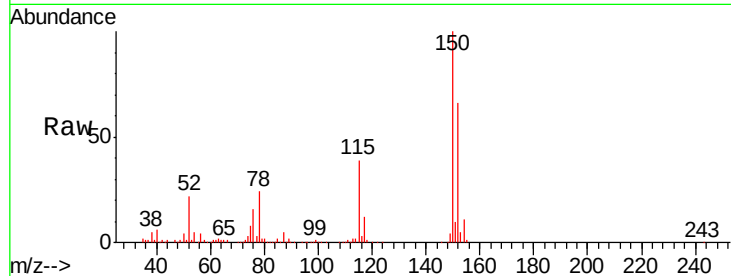
Tgt Ion:152 Resp: 223808

Ion Ratio Lower Upper

152 100

115 59.1 33.3 99.9

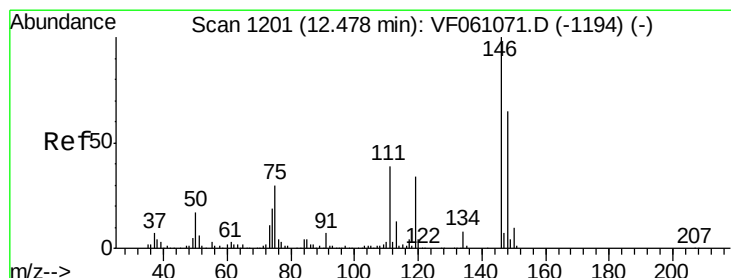
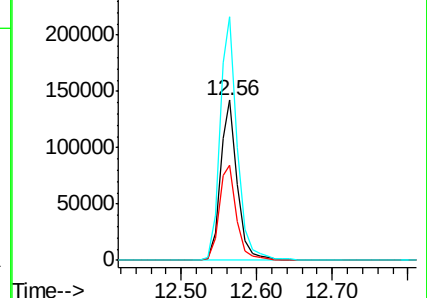
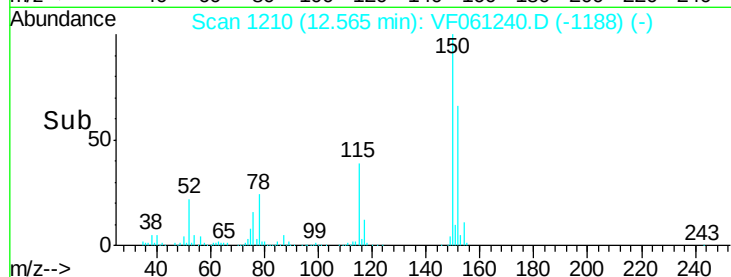
150 152.2 0.0 328.2



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



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.49 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF061240.D

Acq: 28 Dec 2018 17:15

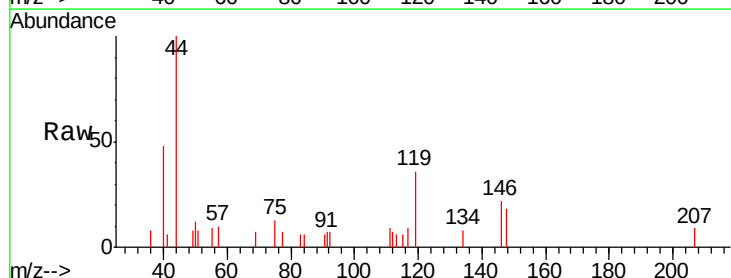
Tgt Ion:146 Resp: 701

Ion Ratio Lower Upper

146 100

111 39.7 19.3 57.9

148 83.8 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

