

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122218\
 Data File : VF061148.D
 Acq On : 22 Dec 2018 16:57
 Operator : VA/AP
 Sample : J6461-01RE
 Misc : 5.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 24 02:57:36 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	4.89	168	160581	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	254088	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	126077	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	65373	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	128080	62.01	ug/l	0.02
Spiked Amount			Recovery	=	124.02%	
35) Dibromofluoromethane	4.13	113	135906	66.77	ug/l	0.02
Spiked Amount			Recovery	=	133.54%	
50) Toluene-d8	7.58	98	113160	19.62	ug/l	0.02
Spiked Amount			Recovery	=	39.24%	
62) 4-Bromofluorobenzene	11.42	95	98431	37.02	ug/l	0.01
Spiked Amount			Recovery	=	74.04%	

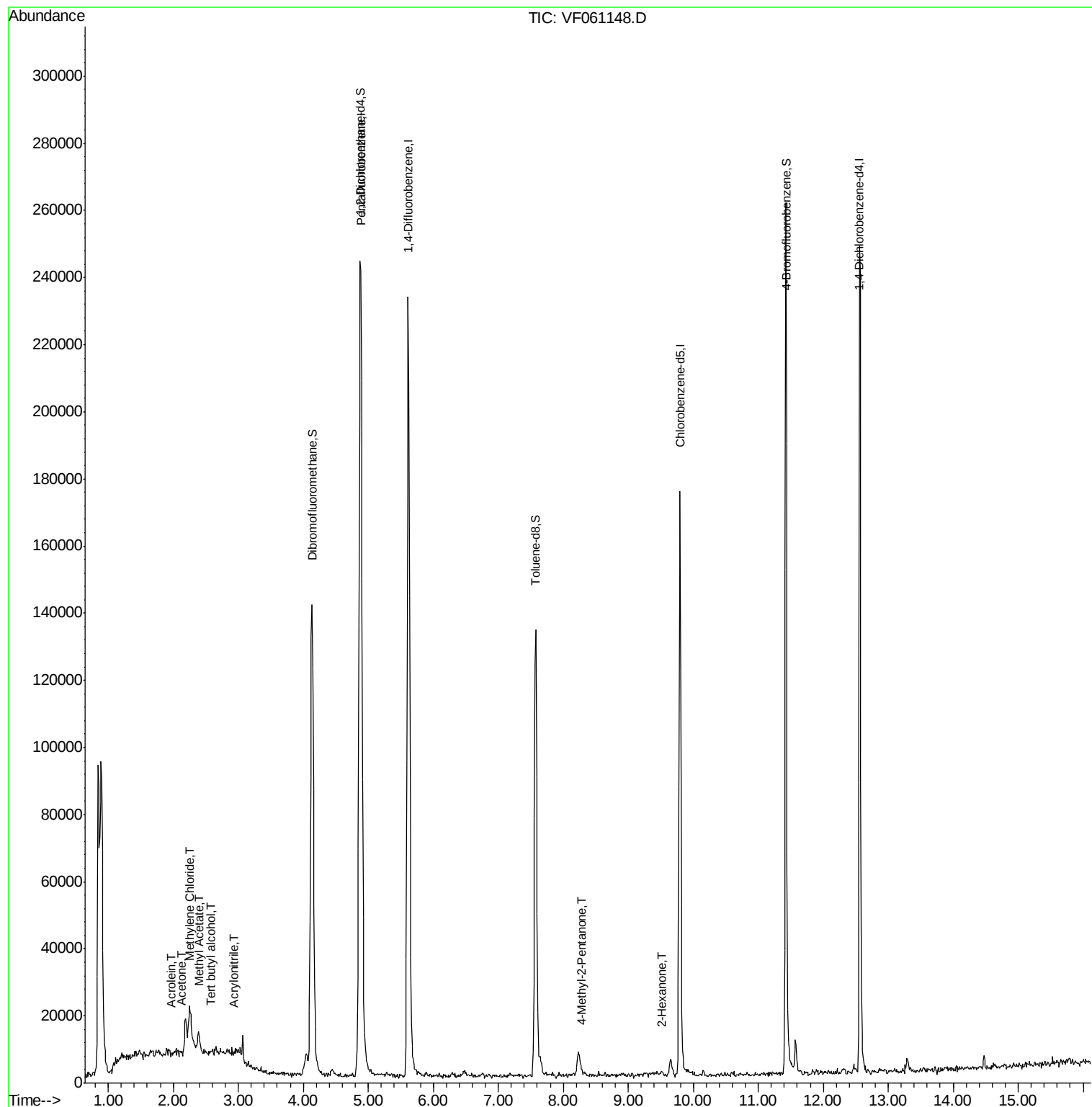
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.59	59	268	3.216	ug/l #	65
13) Acrolein	1.97	56	288	4.782	ug/l	89
15) Acrylonitrile	2.93	53	284	1.474	ug/l #	1
16) Acetone	2.12	43	657	1.591	ug/l	100
18) Methyl Acetate	2.40	43	6769	7.924	ug/l #	66
20) Methylene Chloride	2.24	84	11253	4.436	ug/l	91
51) 4-Methyl-2-Pentanone	8.29	43	1875	1.846	ug/l #	75
59) 2-Hexanone	9.53	43	1198	1.631	ug/l #	27
70) Styrene	10.80	104	92	Below Cal	#	30
78) n-propylbenzene	11.60	91	494	Below Cal	#	55
87) 1,3-Dichlorobenzene	12.50	146	147	Below Cal	#	25

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF122218\
Data File : VF061148.D
Acq On : 22 Dec 2018 16:57
Operator : VA/AP
Sample : J6461-01RE
Misc : 5.06g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 24 02:57:36 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: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061148.D

Acq: 22 Dec 2018 16:57

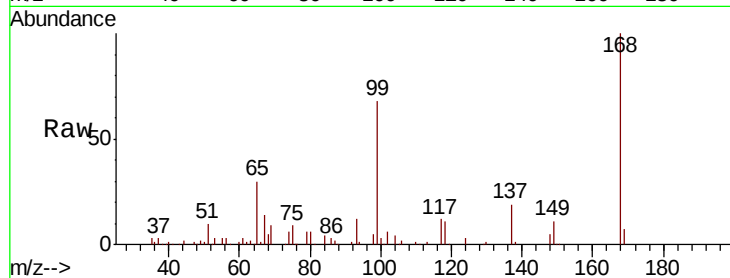
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 160581

Ion Ratio Lower Upper

168 100

99 68.1 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

50000

40000

30000

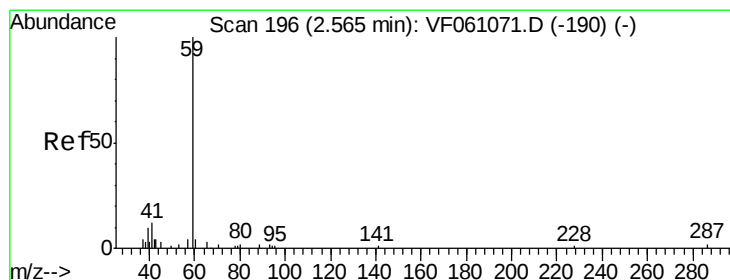
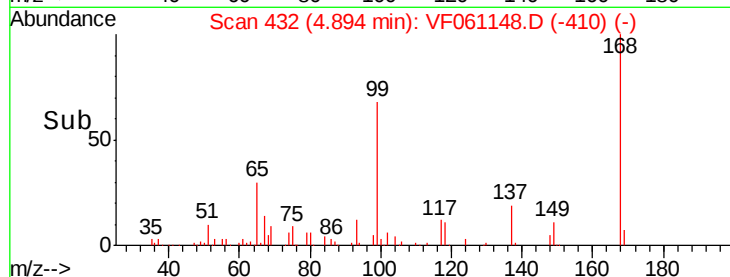
20000

10000

0

Time-->

4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 3.216 ug/l

RT: 2.59 min Scan# 198

Delta R.T. 0.02 min

Lab File: VF061148.D

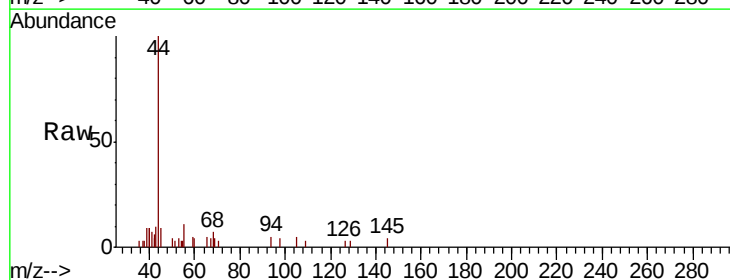
Acq: 22 Dec 2018 16:57

Tgt Ion: 59 Resp: 268

Ion Ratio Lower Upper

59 100

57 0.0 11.5 17.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.59

300

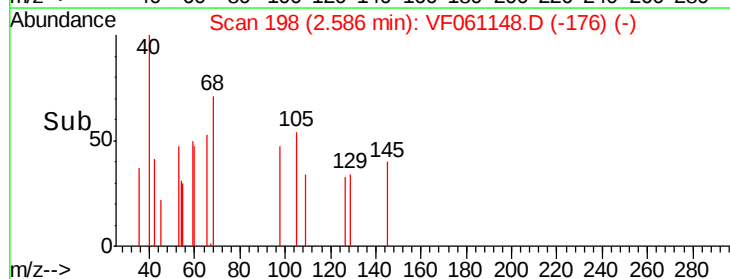
200

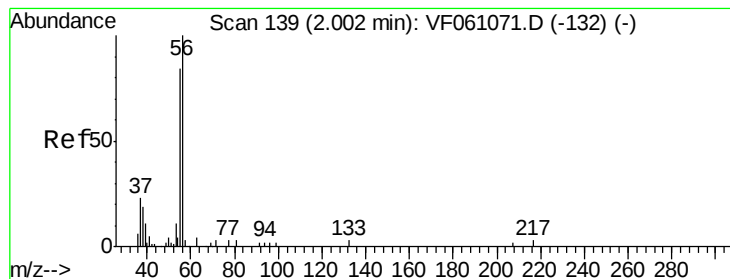
100

0

Time-->

2.54 2.56 2.58 2.60 2.62





#13

Acrolein

Concen: 4.782 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.03 min

Lab File: VF061148.D

Acq: 22 Dec 2018 16:57

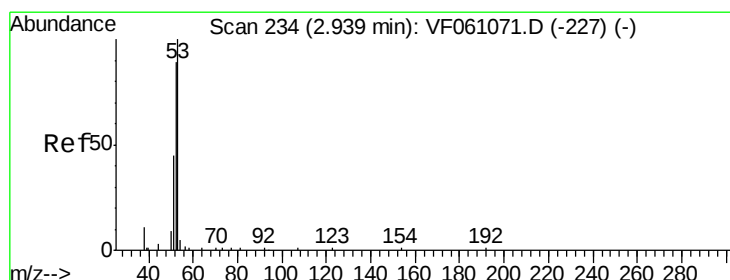
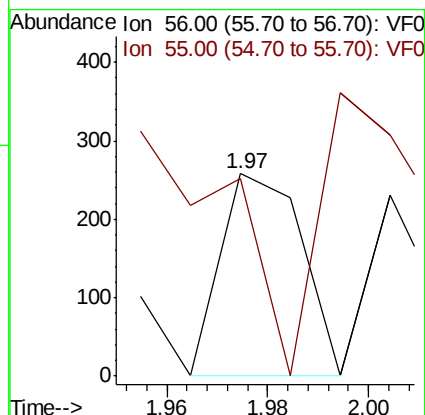
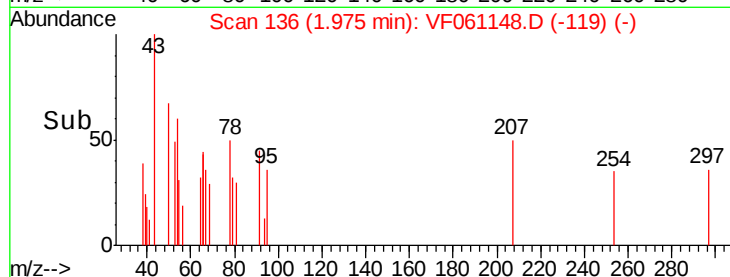
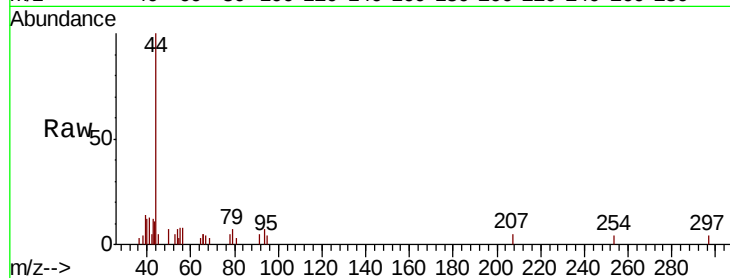
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 288

Ion Ratio Lower Upper

56 100

55 97.7 70.2 105.2



#15

Acrylonitrile

Concen: 1.474 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061148.D

Acq: 22 Dec 2018 16:57

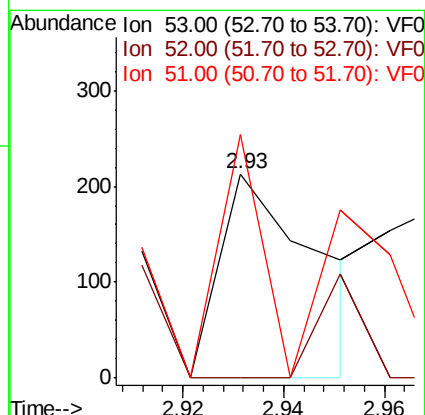
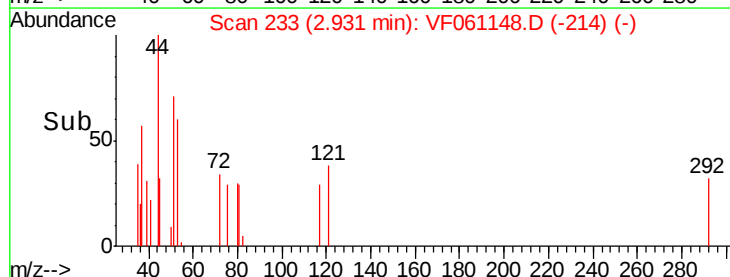
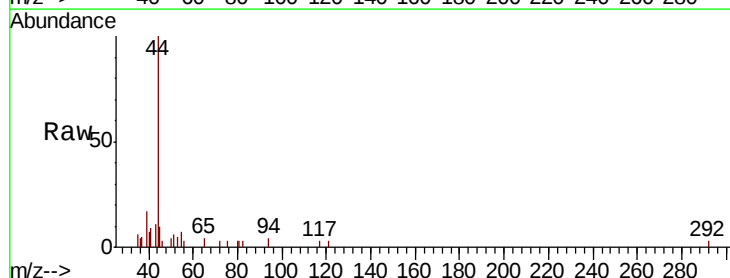
Tgt Ion: 53 Resp: 284

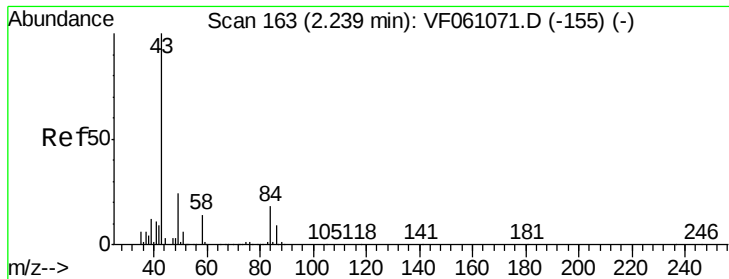
Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

51 119.2 36.8 55.2#

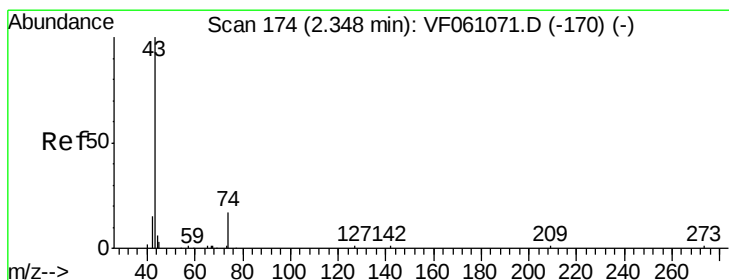
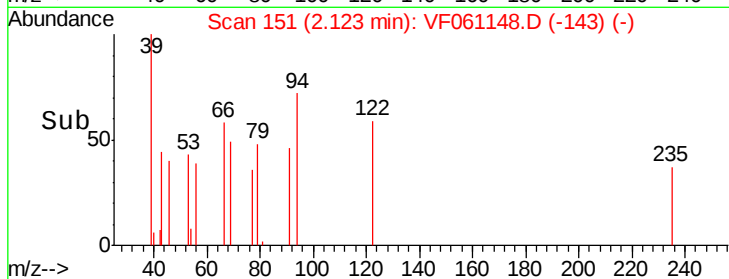
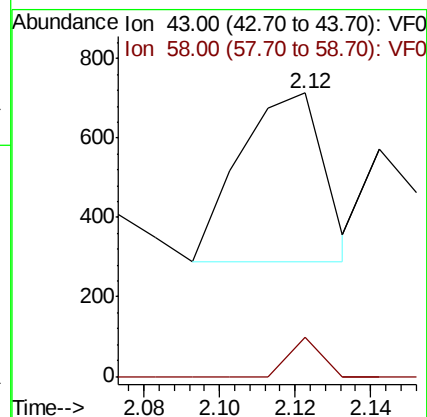
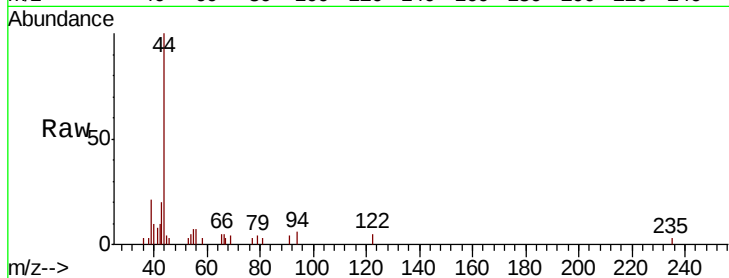




#16
Acetone
Concen: 1.591 ug/l
RT: 2.12 min Scan# 151
Delta R.T. -0.12 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

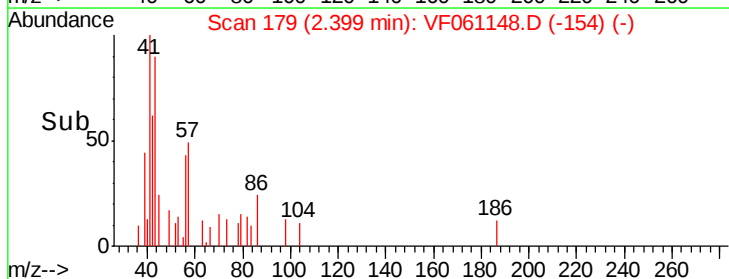
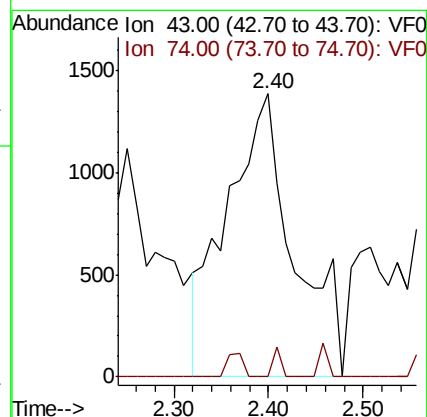
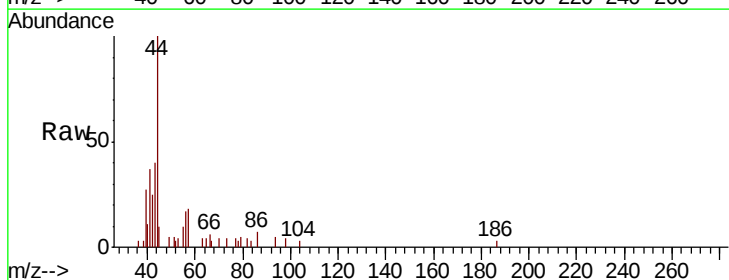
Instrument :
MSVOA_F
ClientSampled :

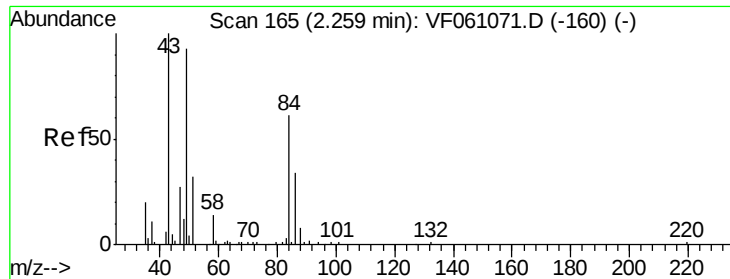
Tot Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
58 14.0 11.1 16.7



#18
Methyl Acetate
Concen: 7.924 ug/l
RT: 2.40 min Scan# 179
Delta R.T. 0.05 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

Tgt Ion: 43 Resp: 6769
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.6#

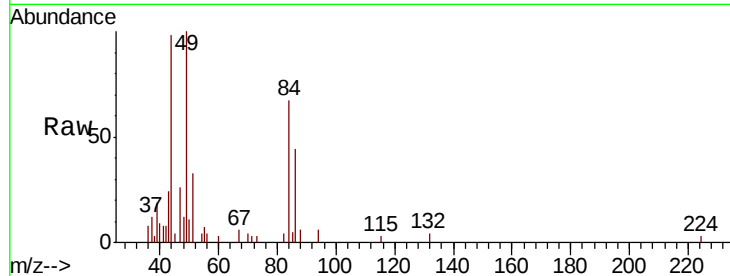




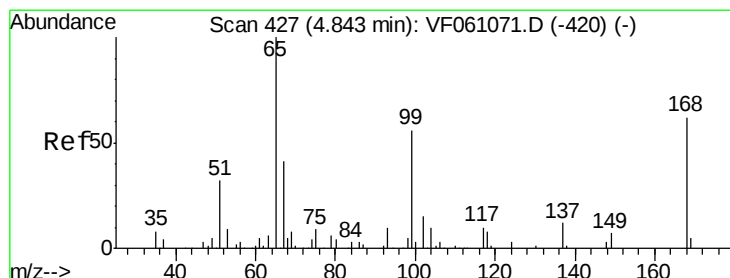
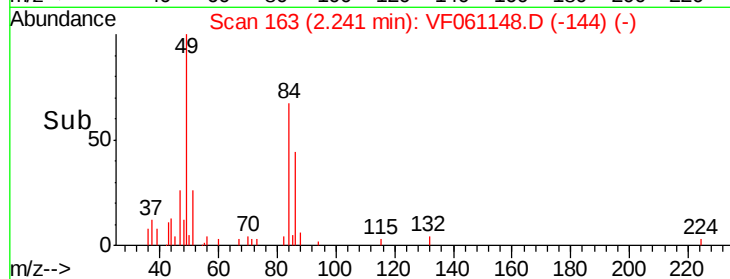
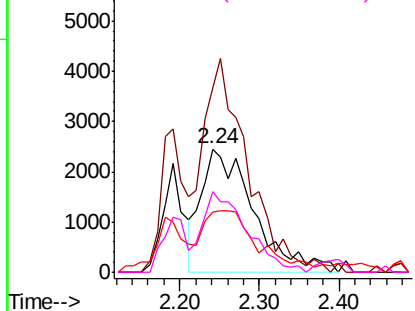
#20
Methvlene Chloride
Concen: 4.436 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 11253
Ion Ratio Lower Upper
84 100
49 150.0 129.4 194.2
51 49.0 44.0 66.0
86 65.3 46.3 69.5

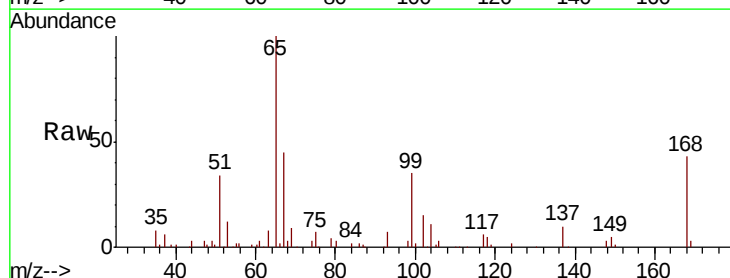


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

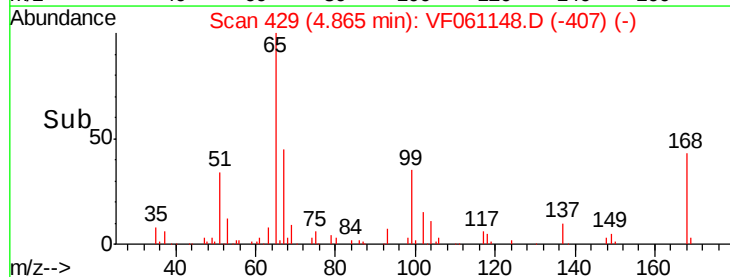
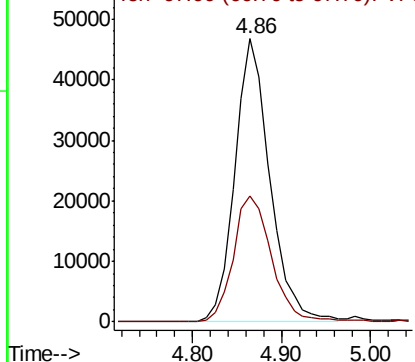


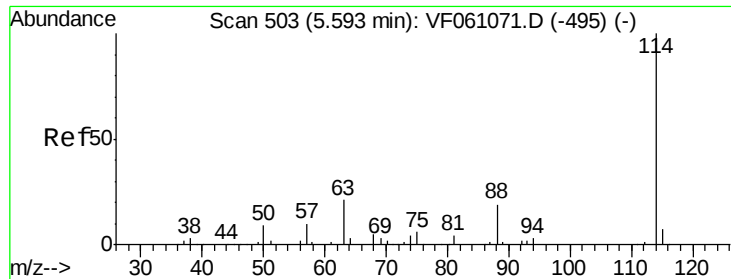
#33
1,2-Dichloroethane-d4
Concen: 62.014 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

Tgt Ion: 65 Resp: 128080
Ion Ratio Lower Upper
65 100
67 44.5 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

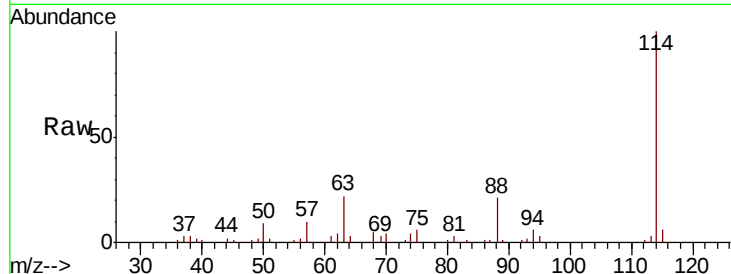




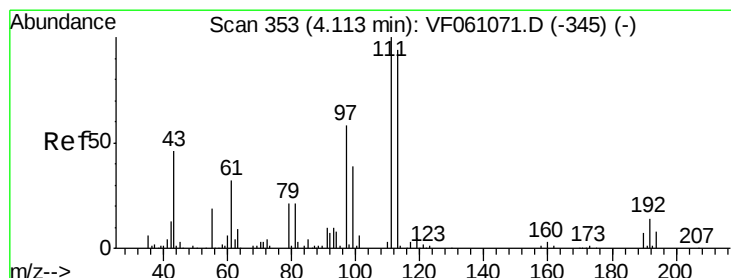
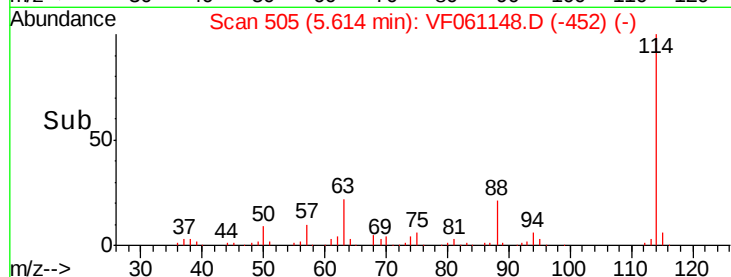
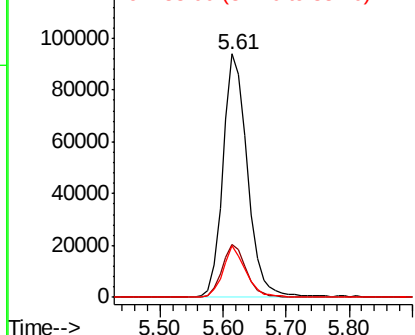
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.02 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:114 Resp: 254088
Ion Ratio Lower Upper
114 100
63 21.8 0.0 41.6
88 21.5 0.0 38.0

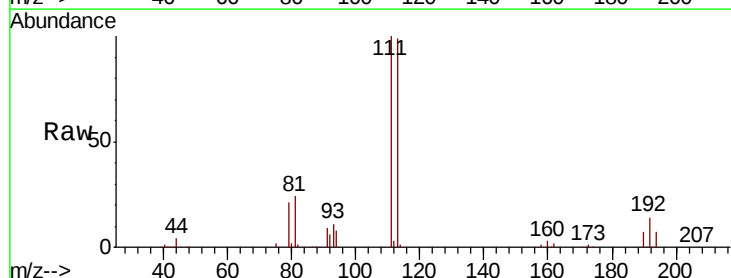


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

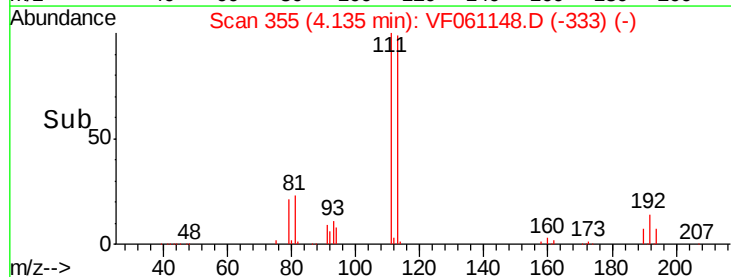
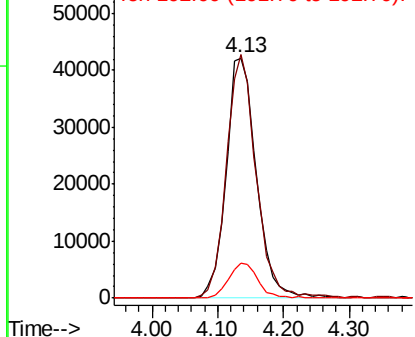


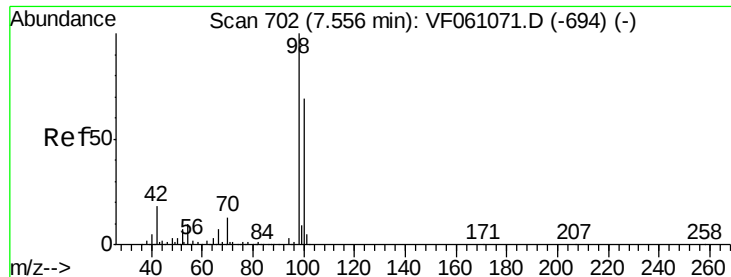
#35
Dibromofluoromethane
Concen: 66.771 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

Tgt Ion:113 Resp: 135906
Ion Ratio Lower Upper
113 100
111 101.3 85.2 127.8
192 14.6 12.8 19.2



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





#50

Toluene-d8

Concen: 19.618 ug/l

RT: 7.58 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF061148.D

Acq: 22 Dec 2018 16:57

Instrument :

MSVOA_F

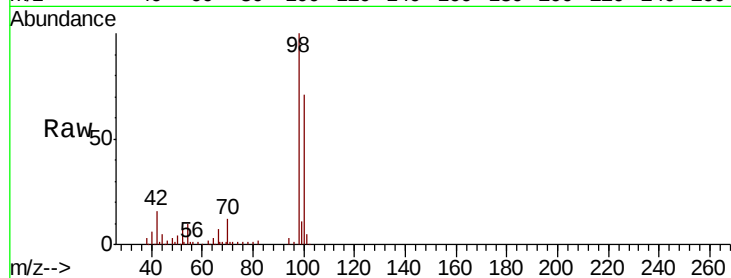
ClientSampleId :

Tot Ion: 98 Resp: 113160

Ion Ratio Lower Upper

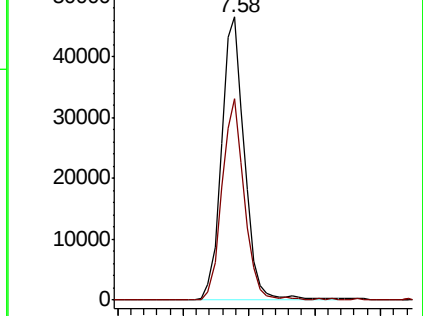
98 100

100 71.2 55.3 82.9

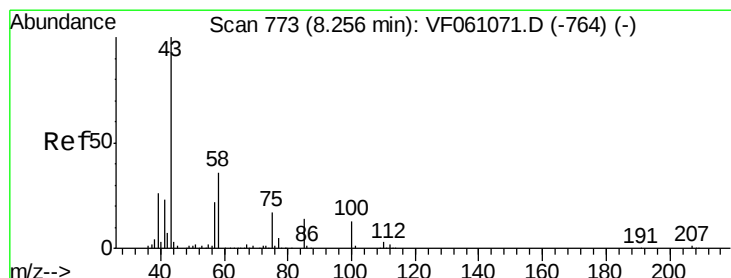
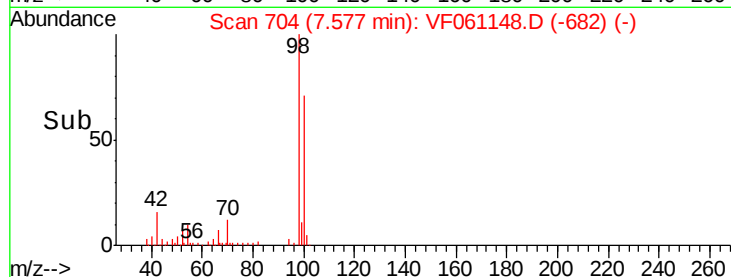


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time--> 7.40 7.50 7.60 7.70 7.80



#51

4-Methyl-2-Pentanone

Concen: 1.846 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.03 min

Lab File: VF061148.D

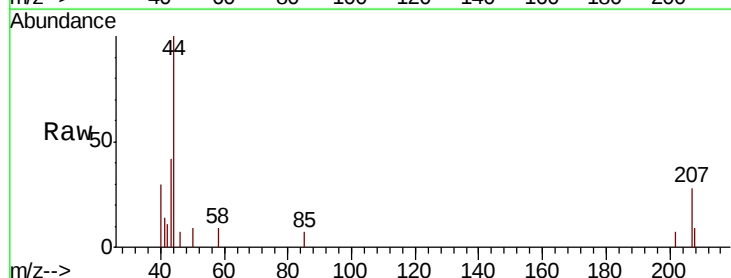
Acq: 22 Dec 2018 16:57

Tgt Ion: 43 Resp: 1875

Ion Ratio Lower Upper

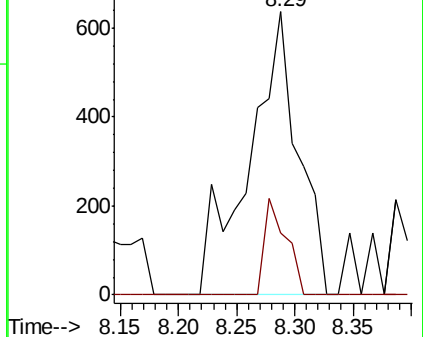
43 100

58 21.8 29.1 43.7#

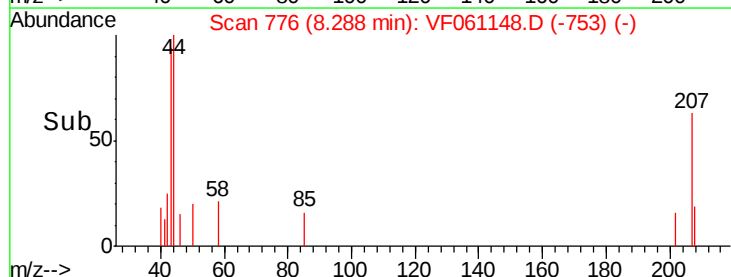


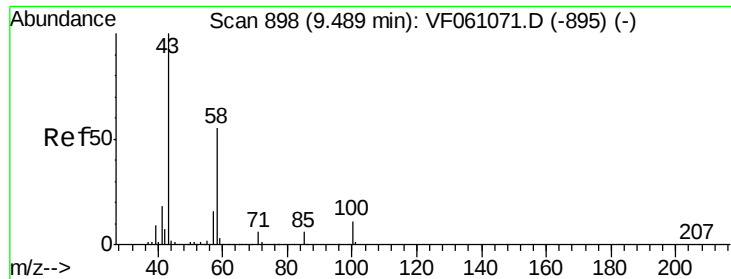
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 8.15 8.20 8.25 8.30 8.35

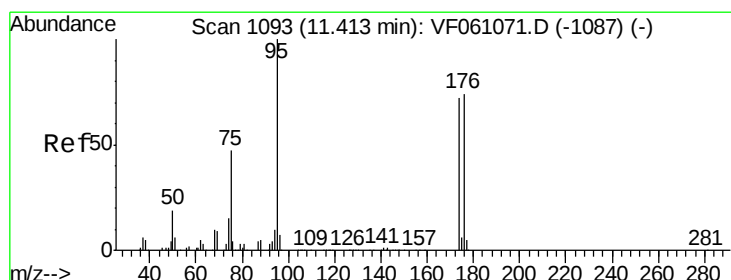
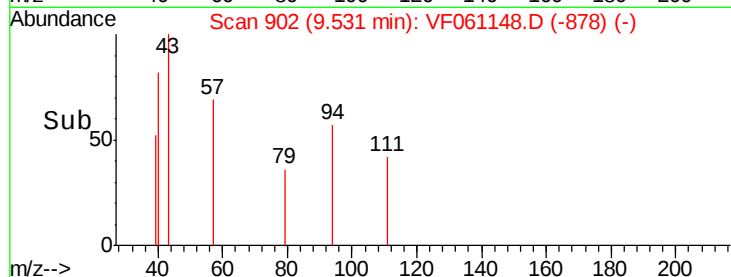
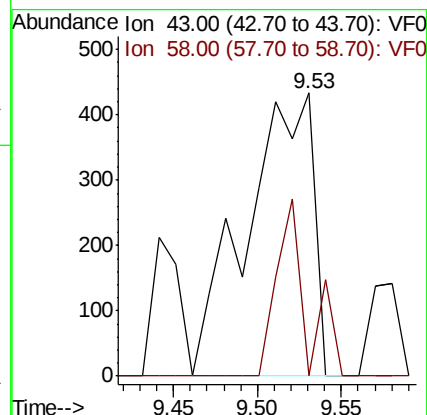
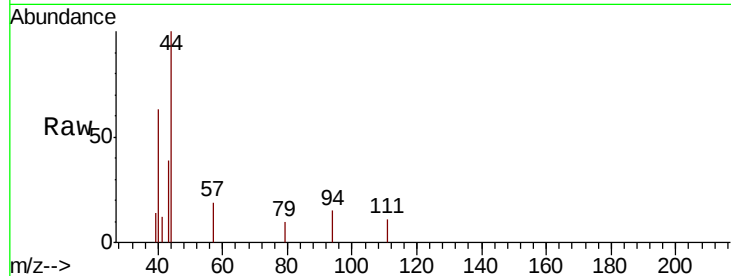




#59
2-Hexanone
Concen: 1.631 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.04 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

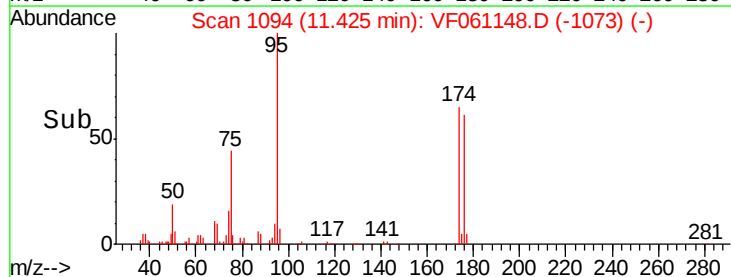
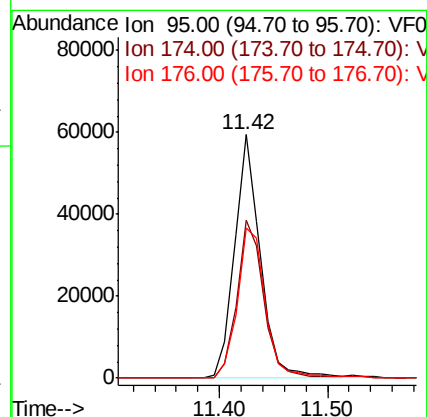
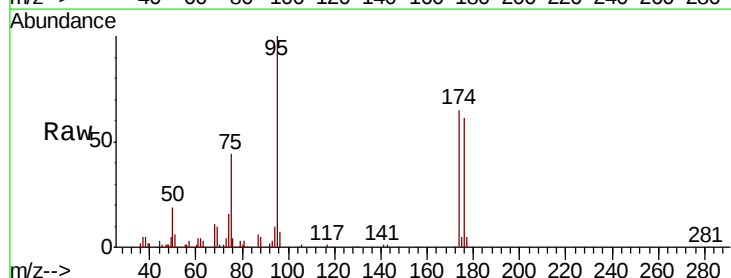
Instrument :
MSVOA_F
ClientSampled :

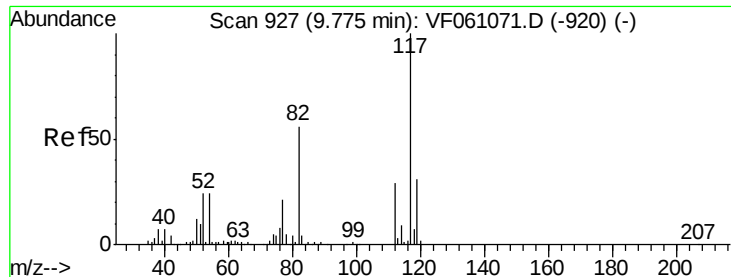
Tot Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 37.016 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

Tgt Ion: 95 Resp: 98431
Ion Ratio Lower Upper
95 100
174 64.6 0.0 143.8
176 61.4 0.0 147.6

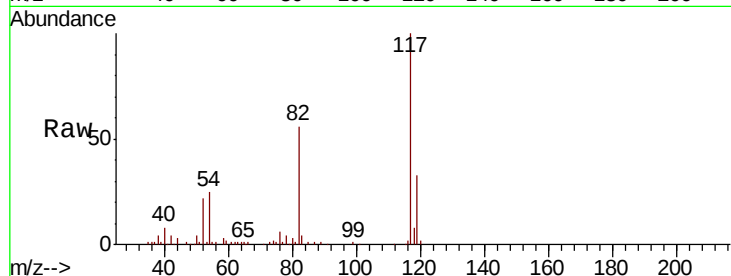




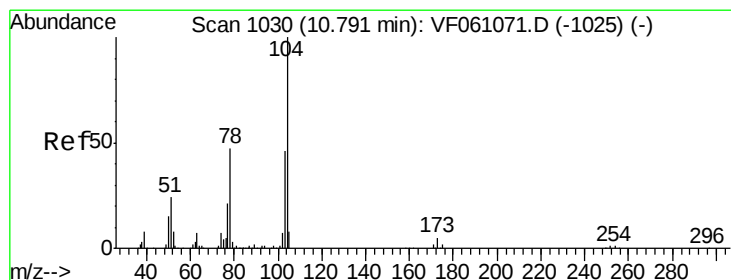
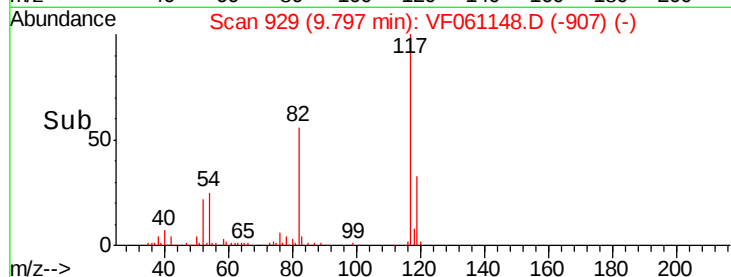
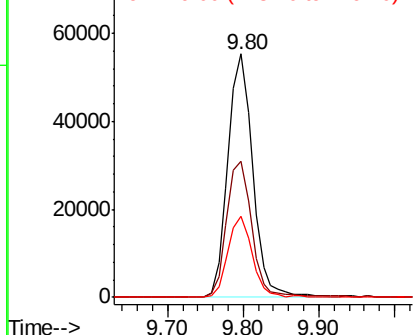
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.0	67.4
119	33.4	24.8	37.2

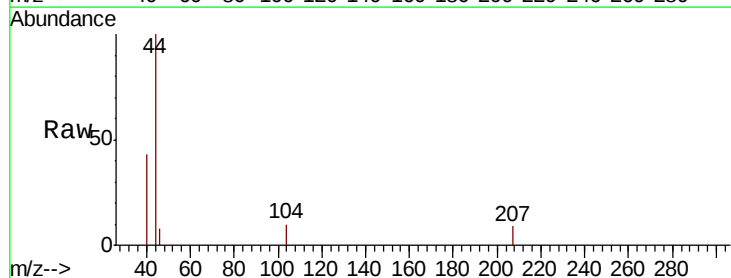


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

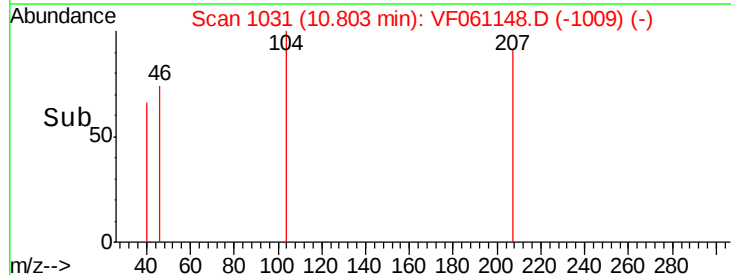
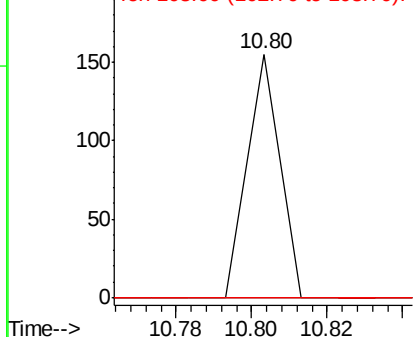


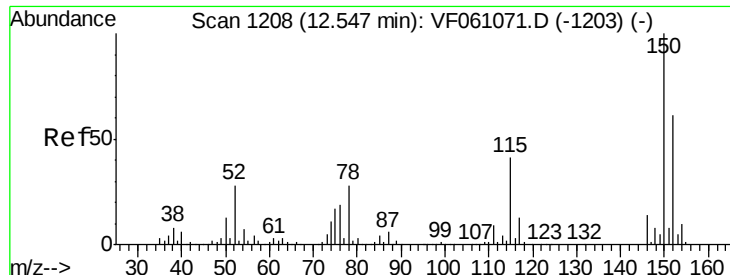
#70
Styrene
Concen: Below Cal
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061148.D
Acq: 22 Dec 2018 16:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	0.0	38.4	57.6#
103	0.0	37.0	55.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.02 min

Lab File: VF061148.D

Acq: 22 Dec 2018 16:57

Instrument :

MSVOA_F

ClientSampleId :

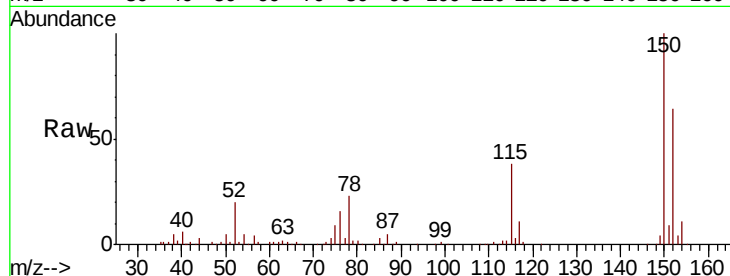
Tot Ion:152 Resp: 65373

Ion Ratio Lower Upper

152 100

115 59.8 33.3 99.9

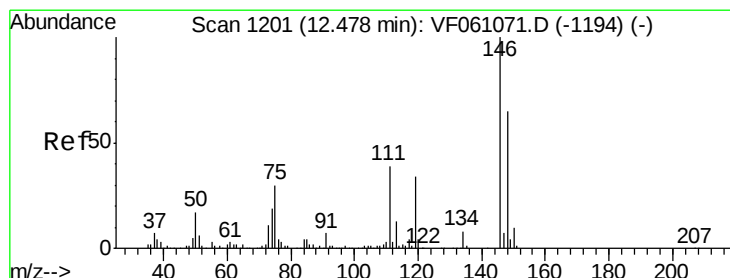
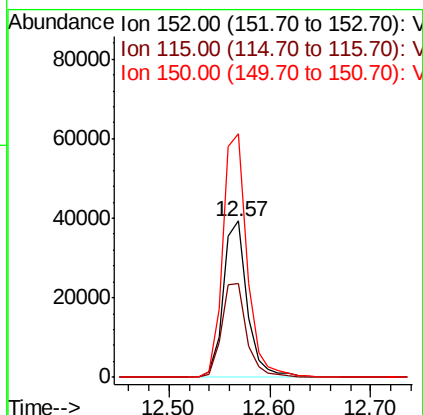
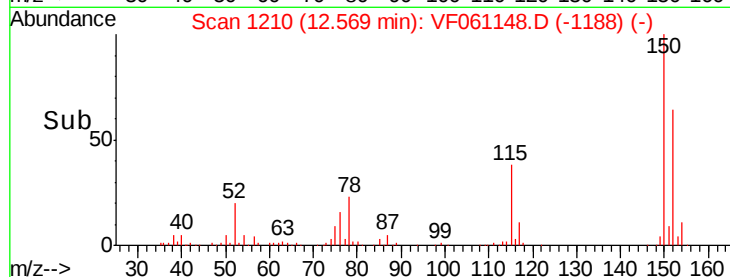
150 155.9 0.0 328.2



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: 12.50 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VF061148.D

Acq: 22 Dec 2018 16:57

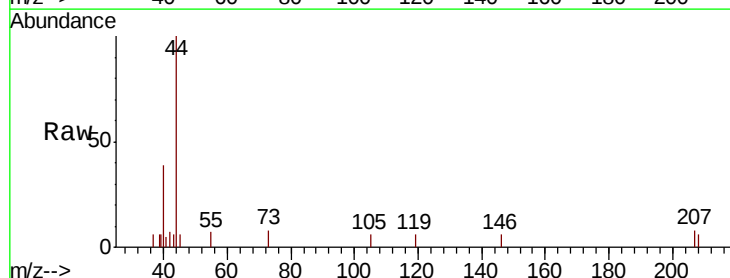
Tgt Ion:146 Resp: 147

Ion Ratio Lower Upper

146 100

111 0.0 19.3 57.9#

148 0.0 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

