

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
 Data File : VF061196.D
 Acq On : 26 Dec 2018 18:59
 Operator : VA/AP
 Sample : J6446-05RE
 Misc : 5.66g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS026-1218-01

Quant Time: Dec 26 23:55:11 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	4.85	168	184372	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	319931	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	252484	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	93396	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	120089	50.64	ug/l	-0.01
Spiked Amount			Recovery	=	101.28%	
35) Dibromofluoromethane	4.09	113	138302	53.96	ug/l	-0.02
Spiked Amount			Recovery	=	107.92%	
50) Toluene-d8	7.54	98	323183	44.50	ug/l	-0.01
Spiked Amount			Recovery	=	89.00%	
62) 4-Bromofluorobenzene	11.40	95	115370	34.46	ug/l	-0.01
Spiked Amount			Recovery	=	68.92%	

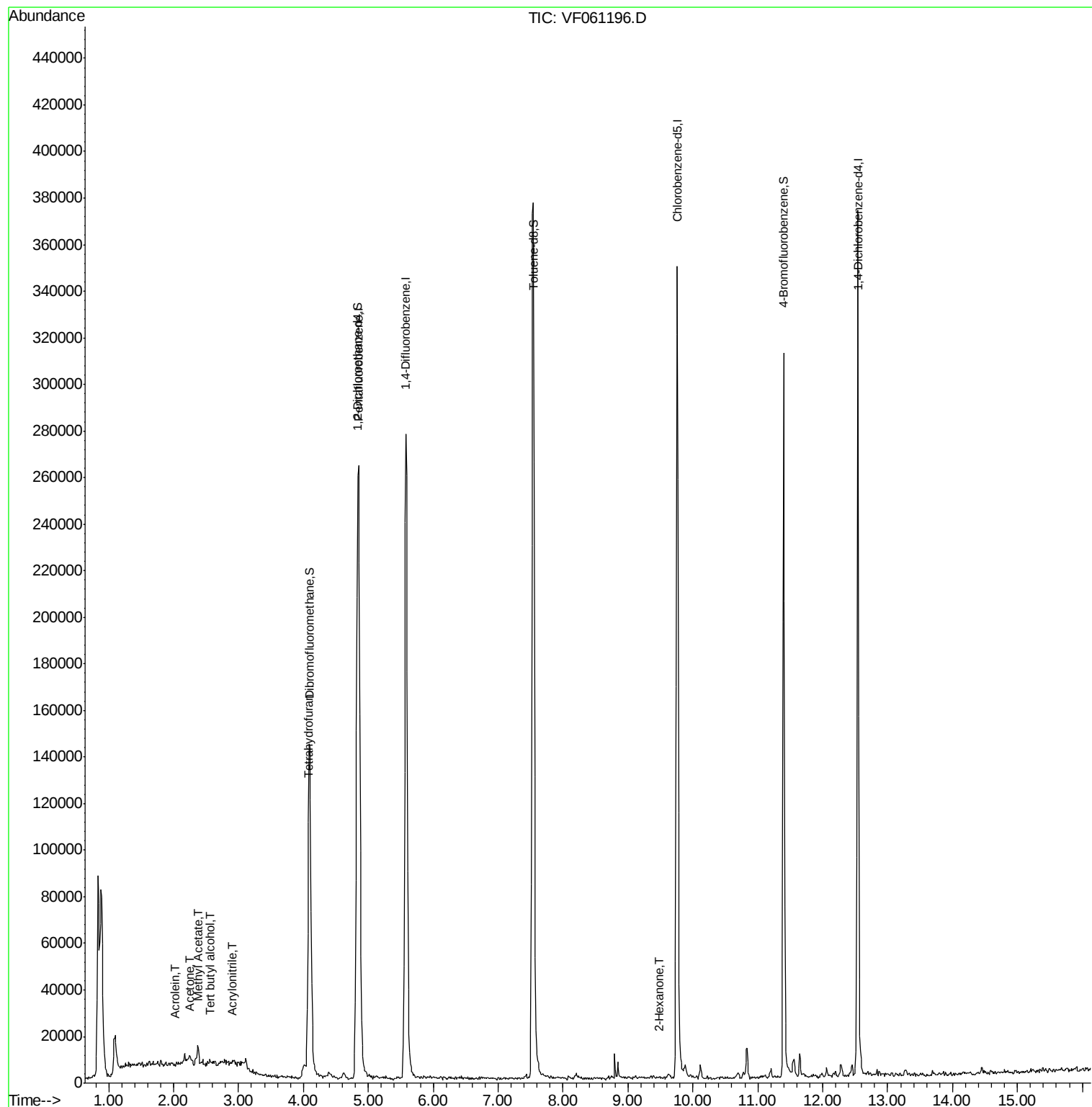
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	253	2.644	ug/l #	1
13) Acrolein	2.02	56	276	3.991	ug/l	97
15) Acrylonitrile	2.92	53	287	1.297	ug/l #	14
16) Acetone	2.23	43	1669	3.521	ug/l	95
18) Methyl Acetate	2.37	43	2605	2.656	ug/l #	89
20) Methylene Chloride	2.17	84	967	Below Cal		96
29) Tetrahydrofuran	4.07	42	536	1.713	ug/l #	57
37) Ethyl Acetate	4.10	43	215	Below Cal	#	21
59) 2-Hexanone	9.49	43	1136	1.228	ug/l	94
70) Styrene	10.78	104	1533	Below Cal		99
78) n-propylbenzene	11.59	91	787	Below Cal	#	75
87) 1,3-Dichlorobenzene	12.46	146	160	Below Cal	#	25

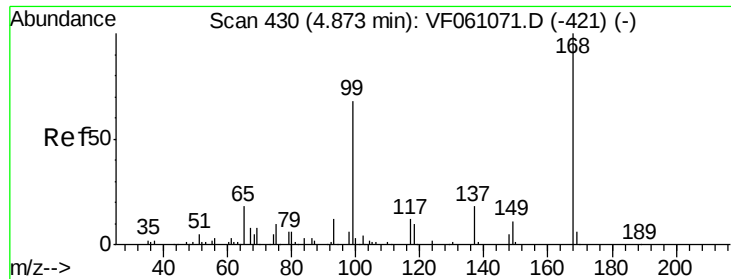
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
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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: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061196.D

Acq: 26 Dec 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

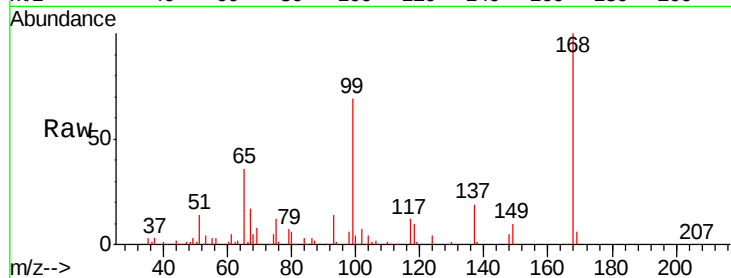
P001-SS026-1218-01

Tgt Ion:168 Resp: 184372

Ion Ratio Lower Upper

168 100

99 69.3 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

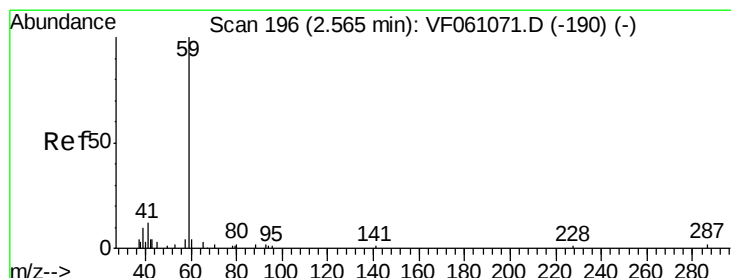
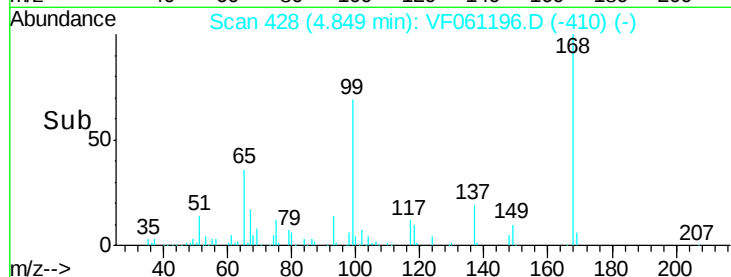
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.644 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF061196.D

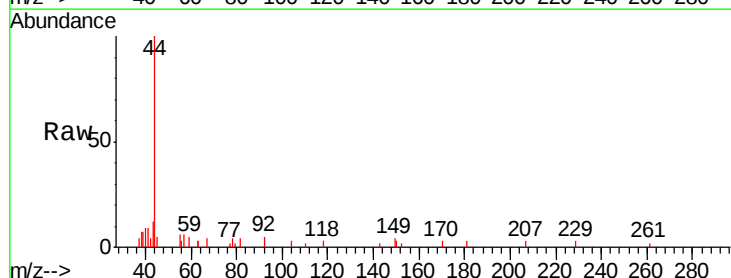
Acq: 26 Dec 2018 18:59

Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

59 100

57 121.0 11.5 17.3#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

300

250

200

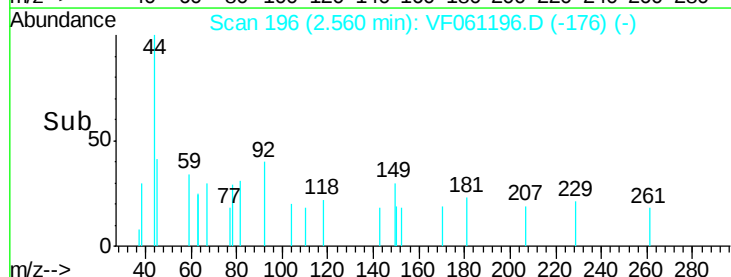
150

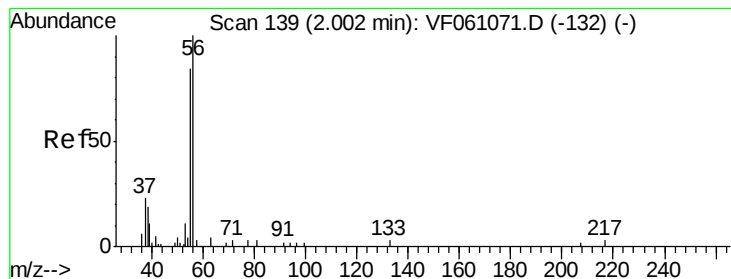
100

50

0

Time-->





#13

Acrolein

Concen: 3.991 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.02 min

Lab File: VF061196.D

Acq: 26 Dec 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

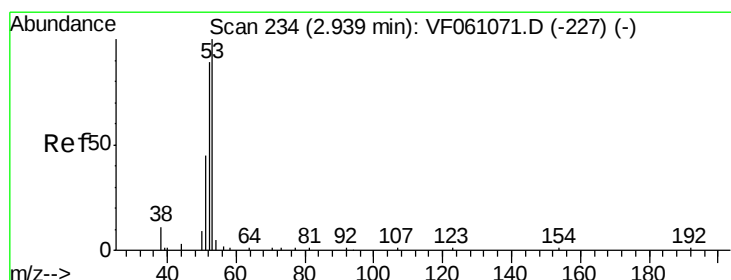
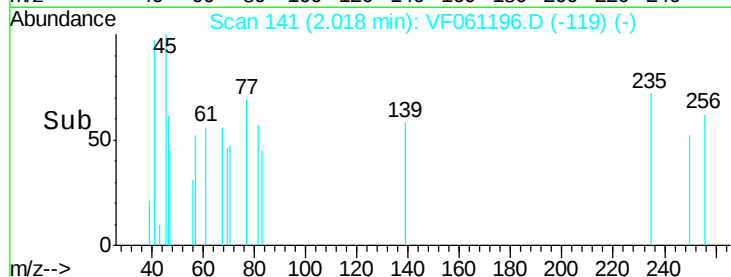
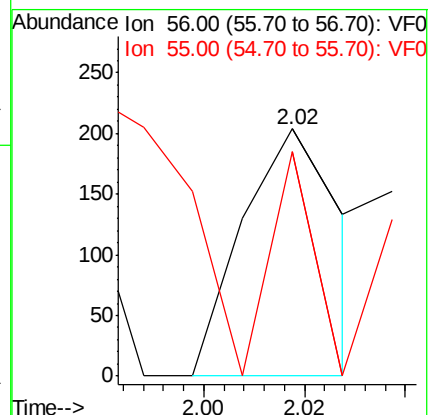
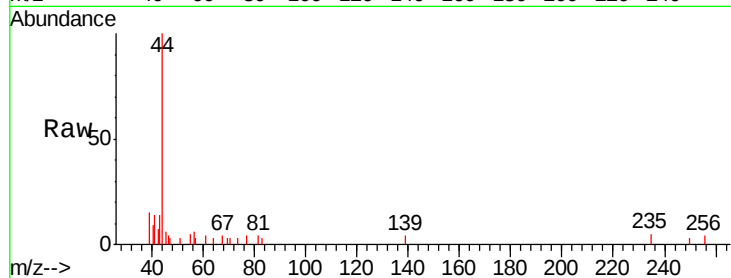
P001-SS026-1218-01

Tgt Ion: 56 Resp: 276

Ion Ratio Lower Upper

56 100

55 90.7 70.2 105.2



#15

Acrylonitrile

Concen: 1.297 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.02 min

Lab File: VF061196.D

Acq: 26 Dec 2018 18:59

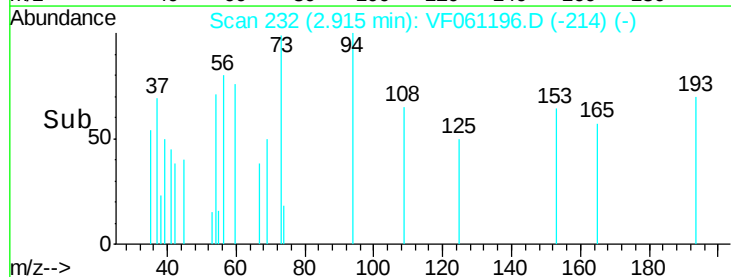
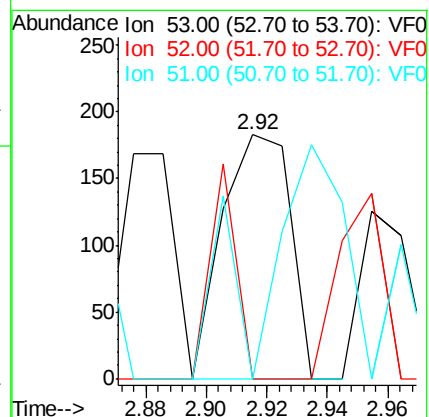
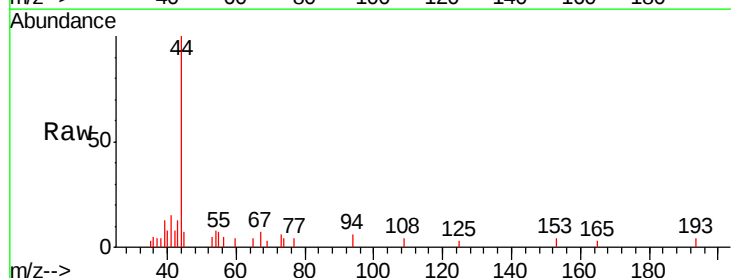
Tgt Ion: 53 Resp: 287

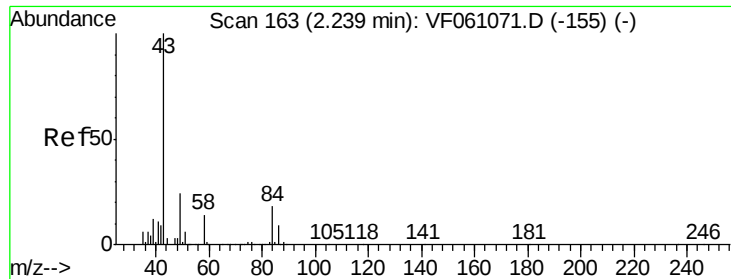
Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

51 0.0 36.8 55.2#

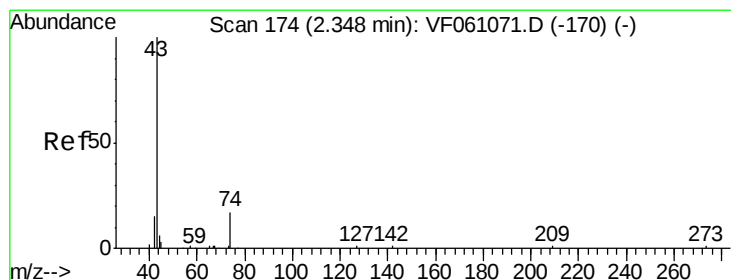
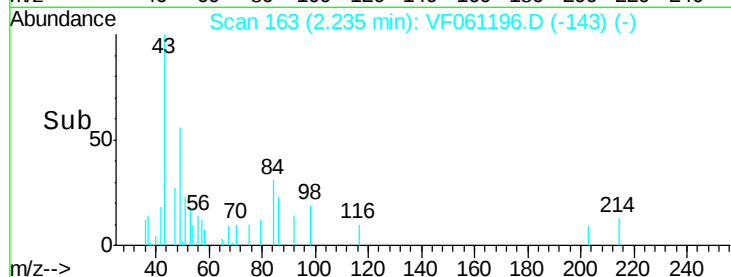
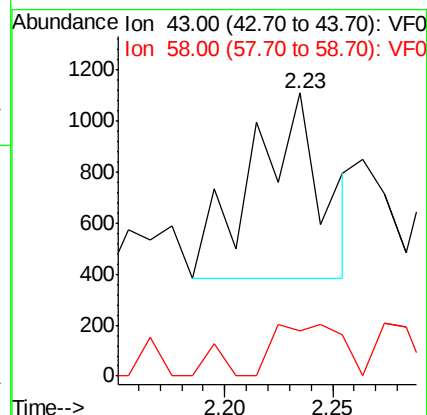
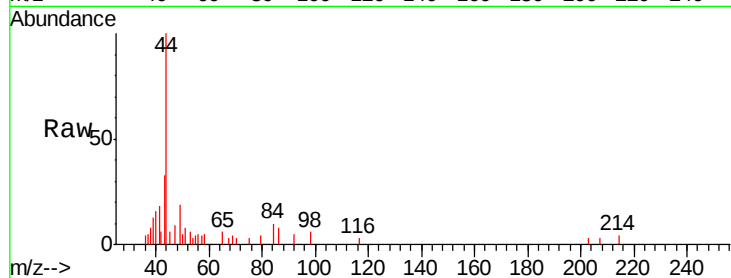




#16
Acetone
Concen: 3.521 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.00 min
Lab File: VF061196.D
Acq: 26 Dec 2018 18:59

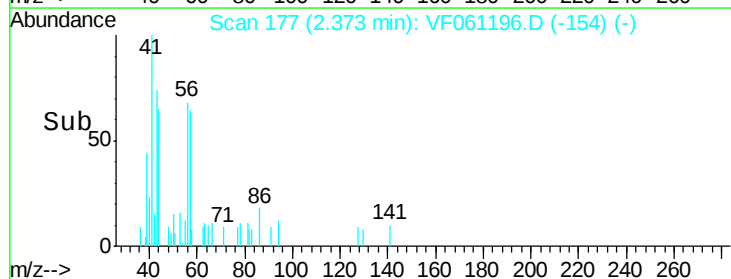
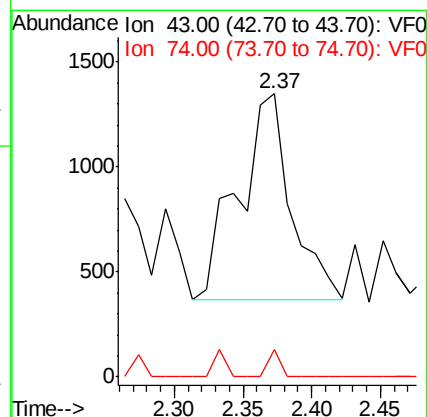
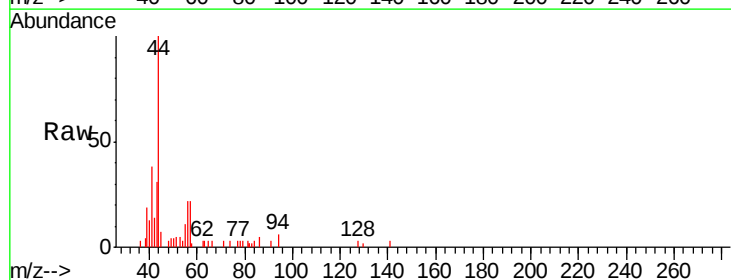
Instrument :
MSVOA_F
ClientSampleId :
P001-SS026-1218-01

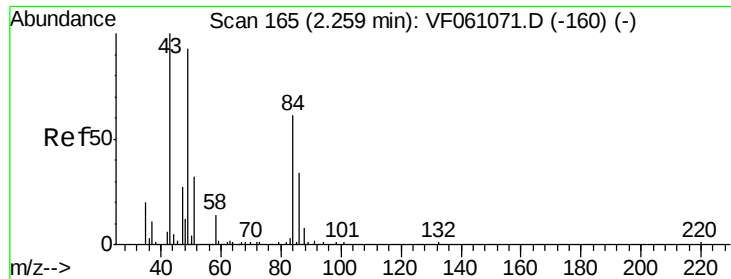
Tgt Ion: 43 Resp: 1669
Ion Ratio Lower Upper
43 100
58 16.1 11.1 16.7



#18
Methyl Acetate
Concen: 2.656 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.03 min
Lab File: VF061196.D
Acq: 26 Dec 2018 18:59

Tgt Ion: 43 Resp: 2605
Ion Ratio Lower Upper
43 100
74 9.5 11.0 16.6#

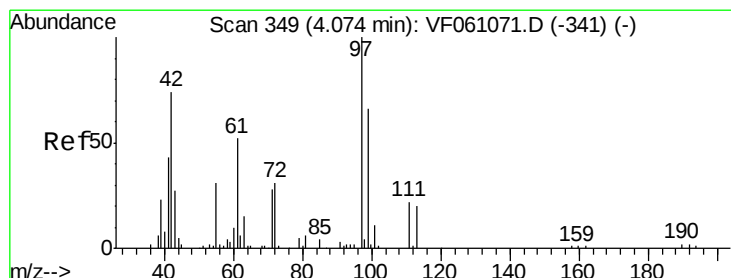
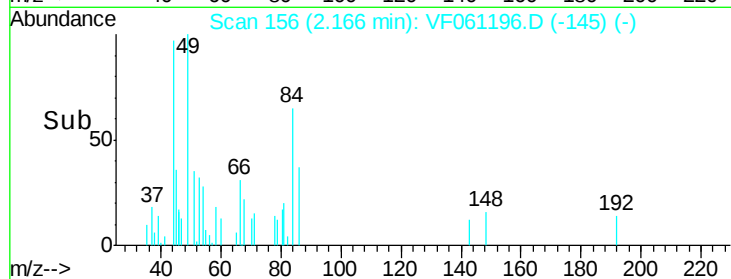
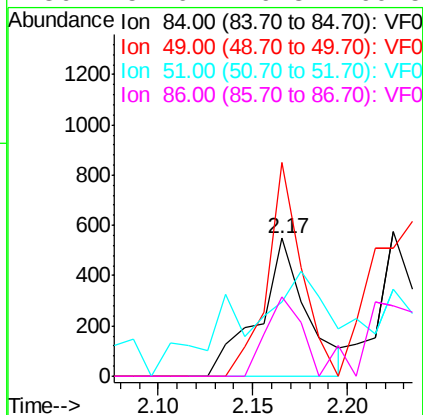
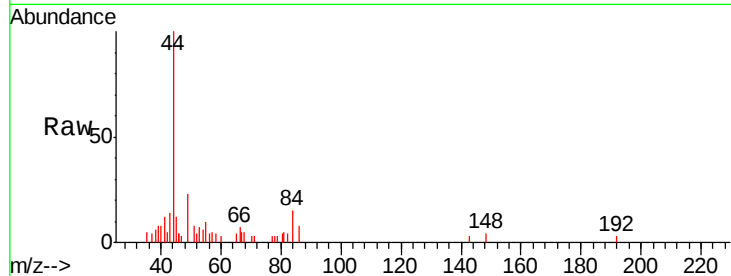




#20
Methylene Chloride
Concen: Below Cal
RT: 2.17 min Scan# 156
Delta R.T. -0.09 min
Lab File: VF061196.D
Acq: 26 Dec 2018 18:59

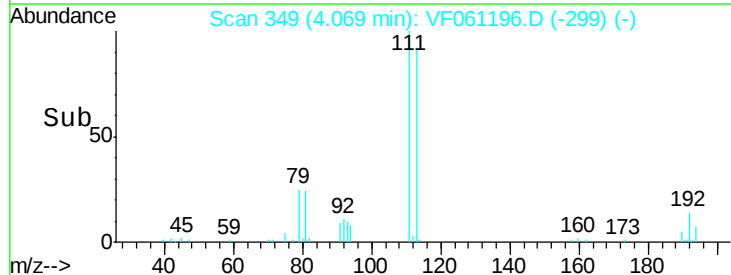
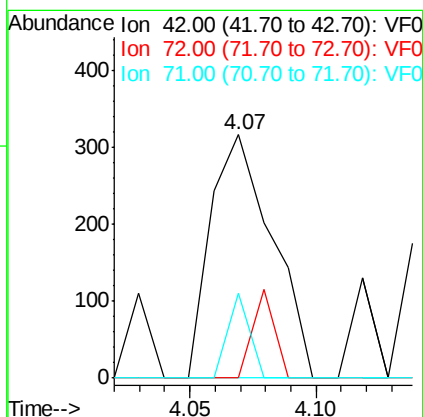
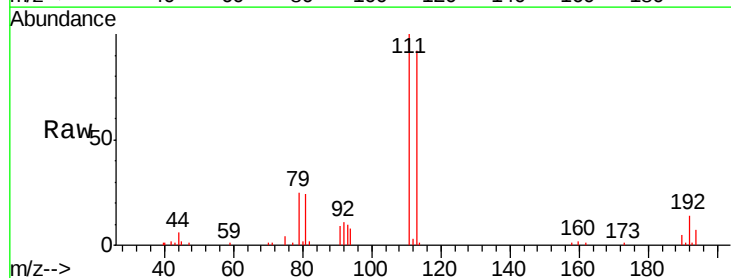
Instrument :
MSVOA_F
ClientSampleId :
P001-SS026-1218-01

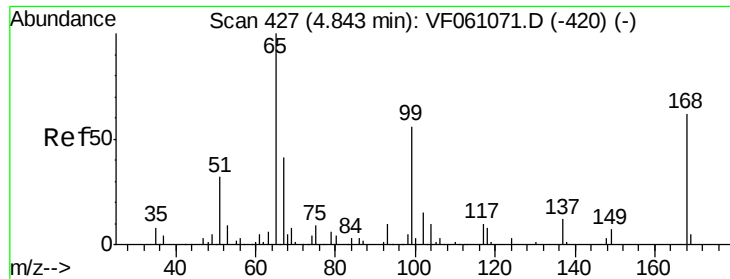
Tgt Ion:	84	Resp:	967
Ion	Ratio	Lower	Upper
84	100		
49	154.8	129.4	194.2
51	53.7	44.0	66.0
86	57.6	46.3	69.5



#29
Tetrahydrofuran
Concen: 1.713 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.00 min
Lab File: VF061196.D
Acq: 26 Dec 2018 18:59

Tgt Ion:	42	Resp:	536
Ion	Ratio	Lower	Upper
42	100		
72	12.7	31.8	47.8#
71	12.3	29.7	44.5#

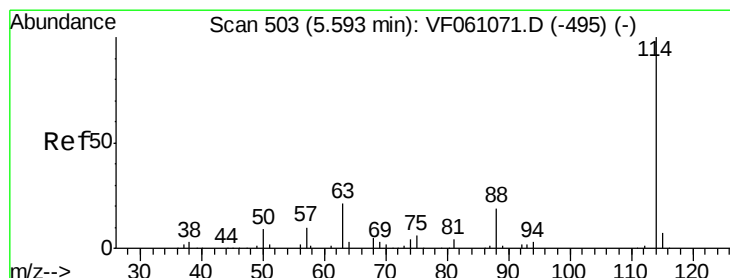
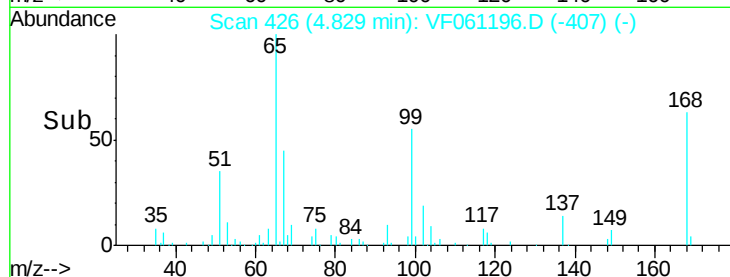
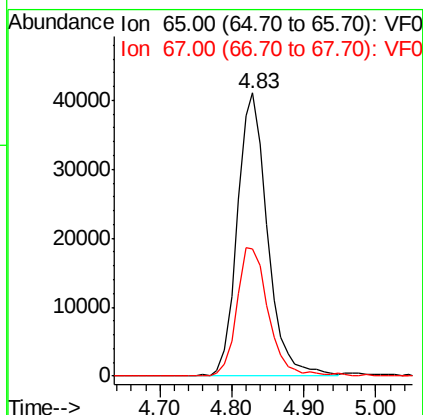
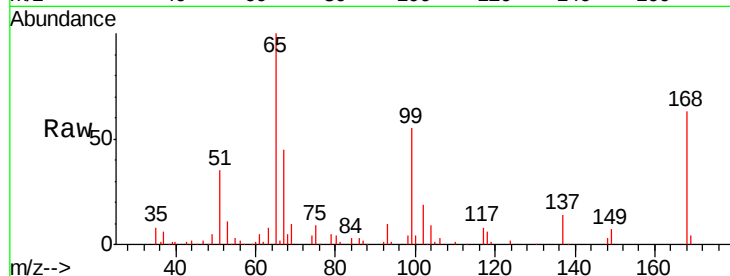




#33
 1,2-Dichloroethane-d4
 Concen: 50.642 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: VF061196.D
 Acq: 26 Dec 2018 18:59

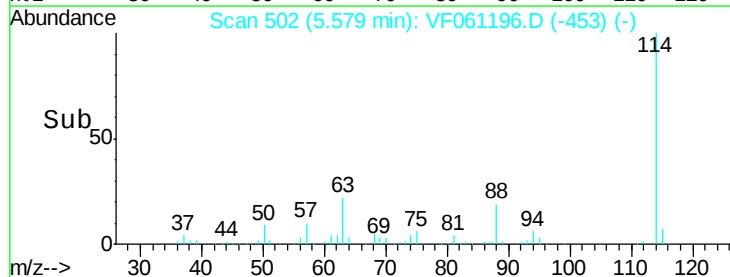
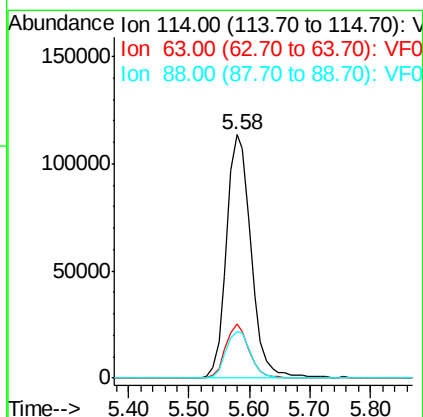
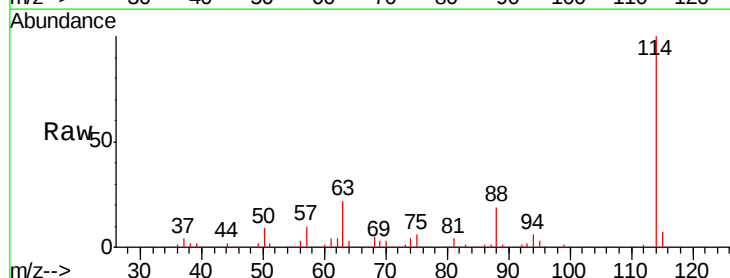
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS026-1218-01

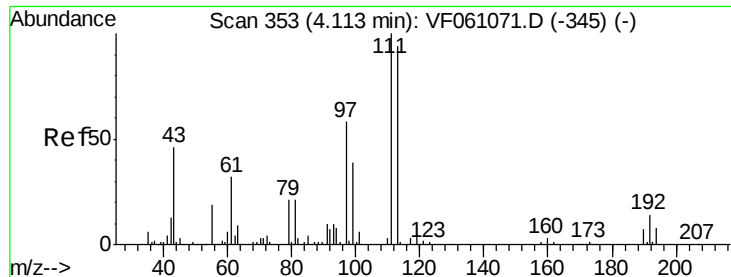
Tgt Ion: 65 Resp: 120089
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 94.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061196.D
 Acq: 26 Dec 2018 18:59

Tgt Ion: 114 Resp: 319931
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 41.6
 88 19.2 0.0 38.0





#35

Dibromofluoromethane

Concen: 53.965 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061196.D

Acq: 26 Dec 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

P001-SS026-1218-01

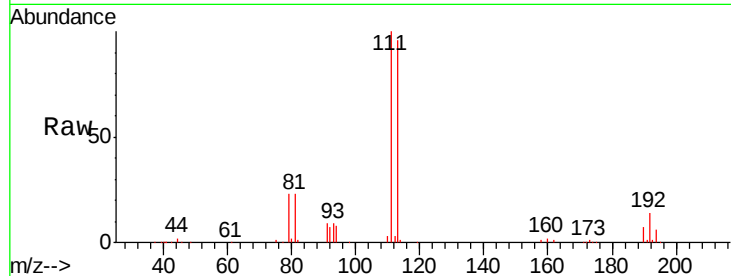
Tgt Ion: 113 Resp: 138302

Ion Ratio Lower Upper

113 100

111 104.7 85.2 127.8

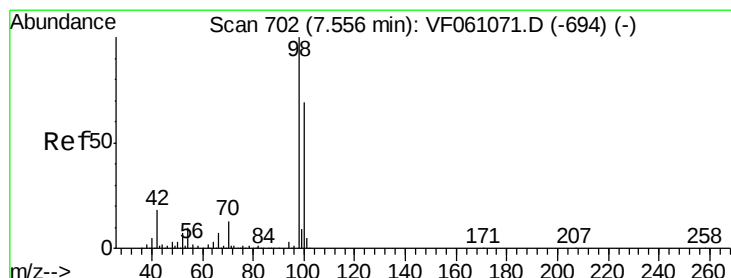
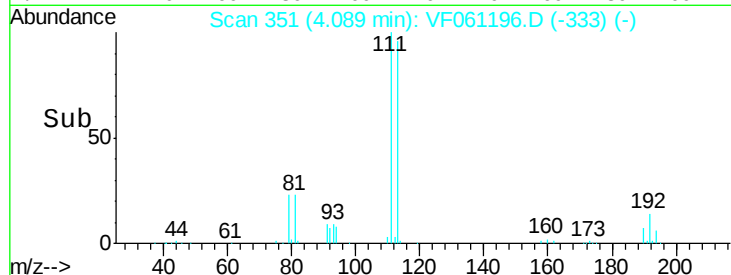
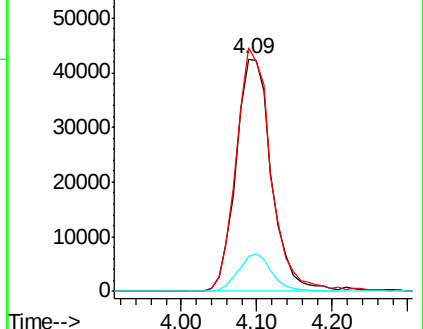
192 15.5 12.8 19.2



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: 44.499 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061196.D

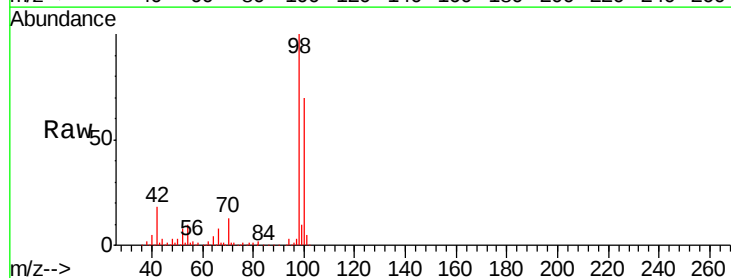
Acq: 26 Dec 2018 18:59

Tgt Ion: 98 Resp: 323183

Ion Ratio Lower Upper

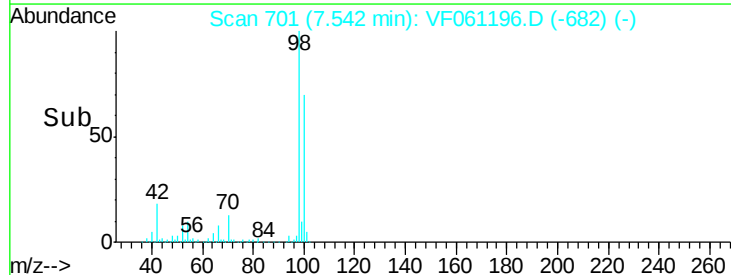
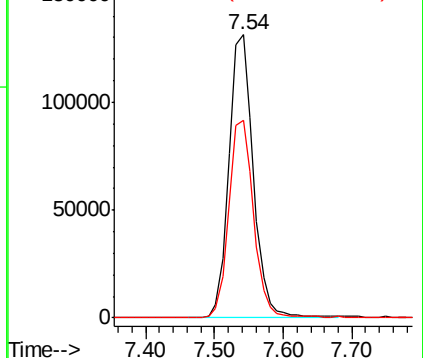
98 100

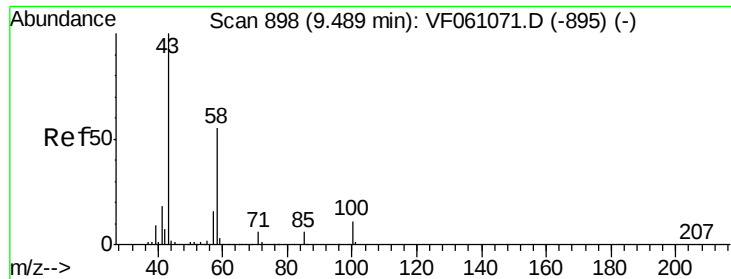
100 69.9 55.3 82.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

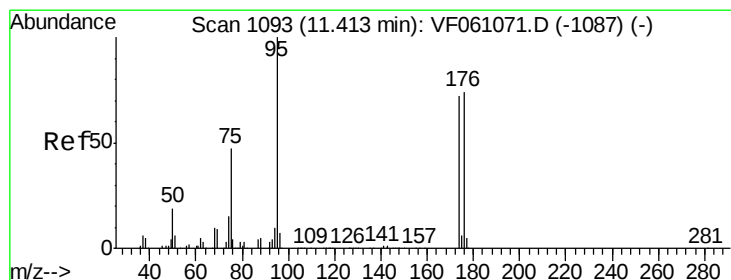
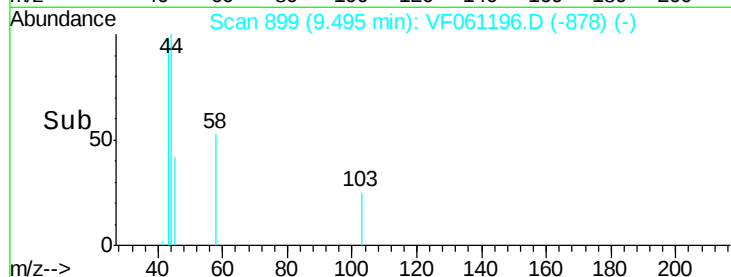
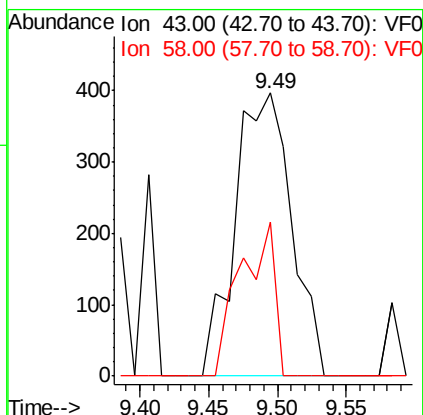
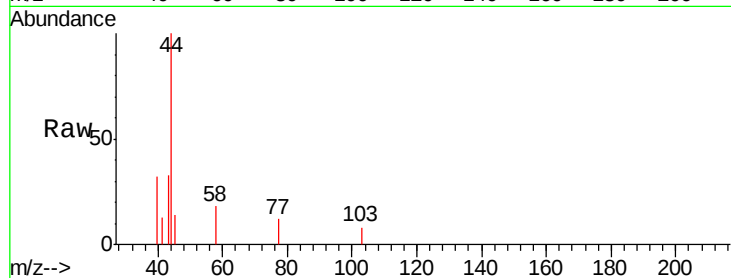




#59
2-Hexanone
Concen: 1.228 ug/l
RT: 9.49 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061196.D
Acq: 26 Dec 2018 18:59

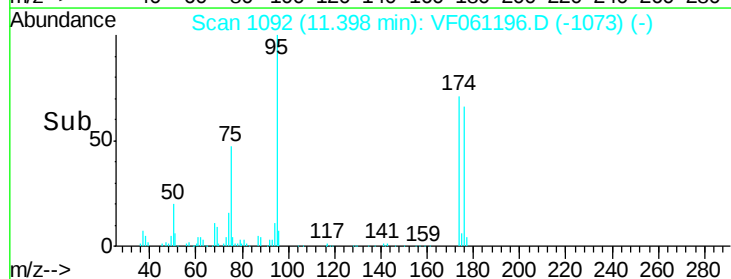
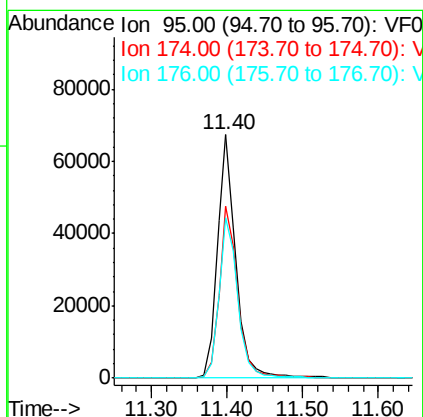
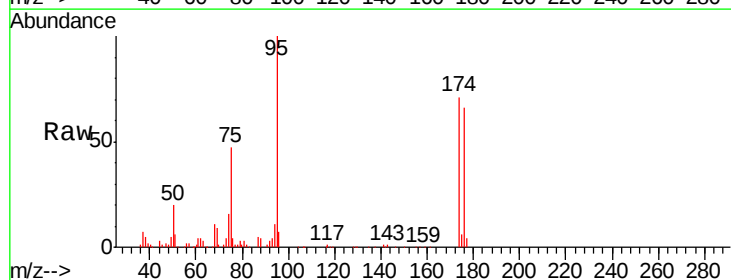
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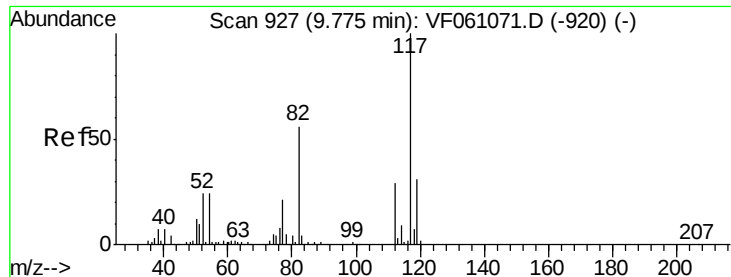
Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 54.4 25.1 75.2



#62
4-Bromofluorobenzene
Concen: 34.457 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061196.D
Acq: 26 Dec 2018 18:59

Tgt Ion: 95 Resp: 115370
Ion Ratio Lower Upper
95 100
174 70.7 0.0 143.8
176 66.1 0.0 147.6

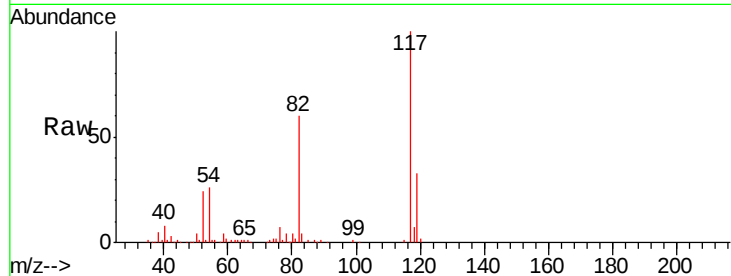




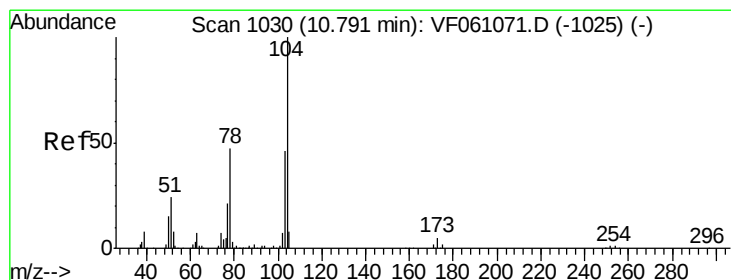
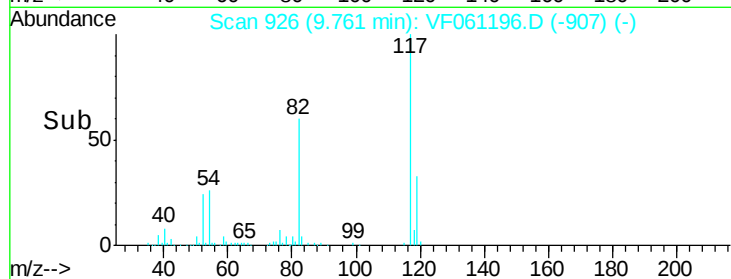
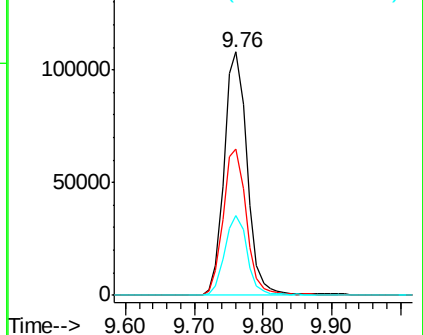
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF061196.D
Acq: 26 Dec 2018 18:59

Instrument :
MSVOA_F
ClientSampleId :
P001-SS026-1218-01

Tgt Ion:117 Resp: 252484
Ion Ratio Lower Upper
117 100
82 60.2 45.0 67.4
119 32.9 24.8 37.2

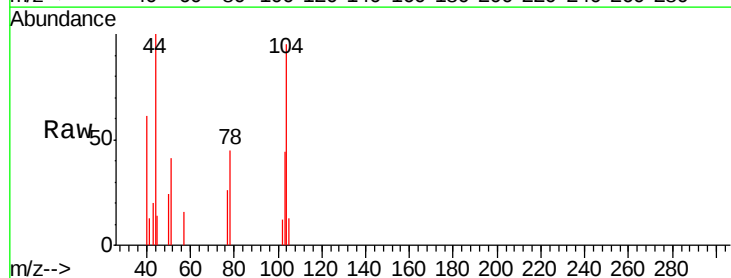


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

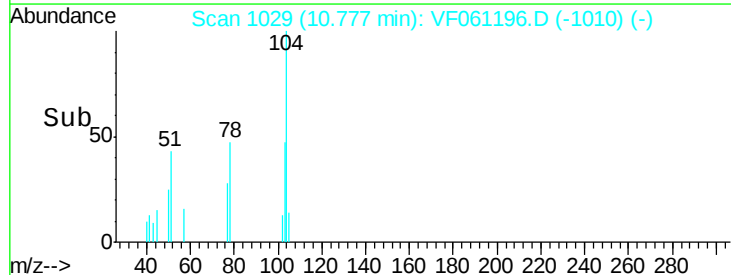
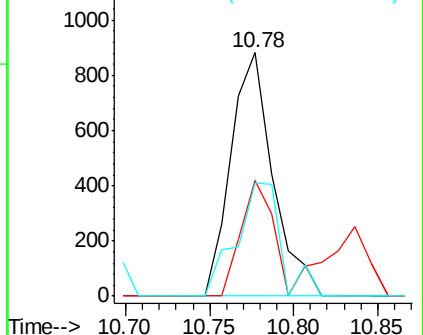


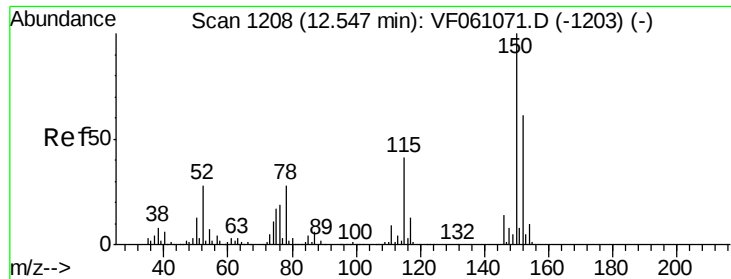
#70
Styrene
Concen: Below Cal
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061196.D
Acq: 26 Dec 2018 18:59

Tgt Ion:104 Resp: 1533
Ion Ratio Lower Upper
104 100
78 47.3 38.4 57.6
103 46.7 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: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061196.D

Acq: 26 Dec 2018 18:59

Instrument :

MSVOA_F

ClientSampleId :

P001-SS026-1218-01

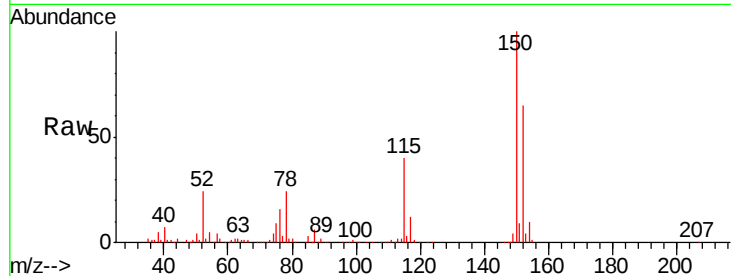
Tgt Ion:152 Resp: 93396

Ion Ratio Lower Upper

152 100

115 61.5 33.3 99.9

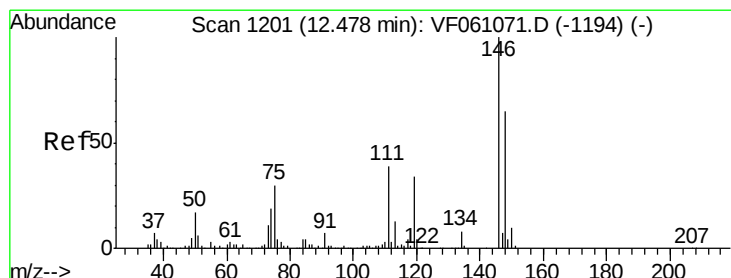
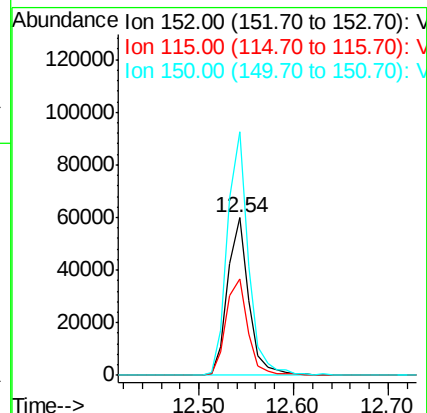
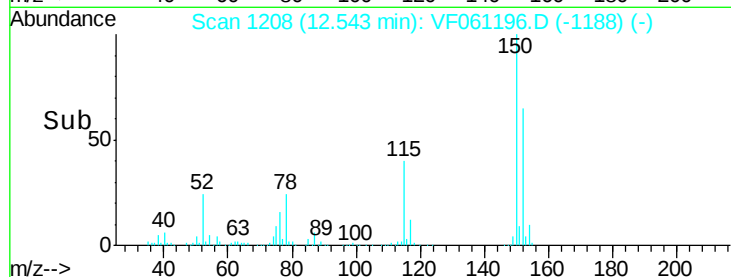
150 154.8 0.0 328.2



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: 12.46 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF061196.D

Acq: 26 Dec 2018 18:59

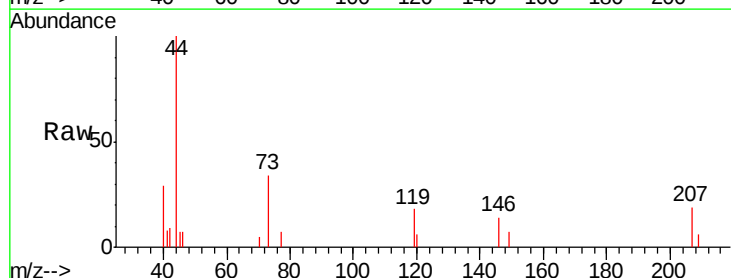
Tgt Ion:146 Resp: 160

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

