

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061901.D
 Acq On : 11 Mar 2019 20:47
 Operator : VA/AP
 Sample : K1846-07
 Misc : 4.56g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1-S

Quant Time: Mar 12 05:14:41 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	4.87	168	218965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	353157	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	272552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	119071	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	113212	71.00	ug/l	0.00
Spiked Amount			Recovery	=	142.00%	
35) Dibromofluoromethane	4.10	113	157379	63.86	ug/l	-0.02
Spiked Amount			Recovery	=	127.72%	
50) Toluene-d8	7.56	98	351264	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.41	95	143824	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	

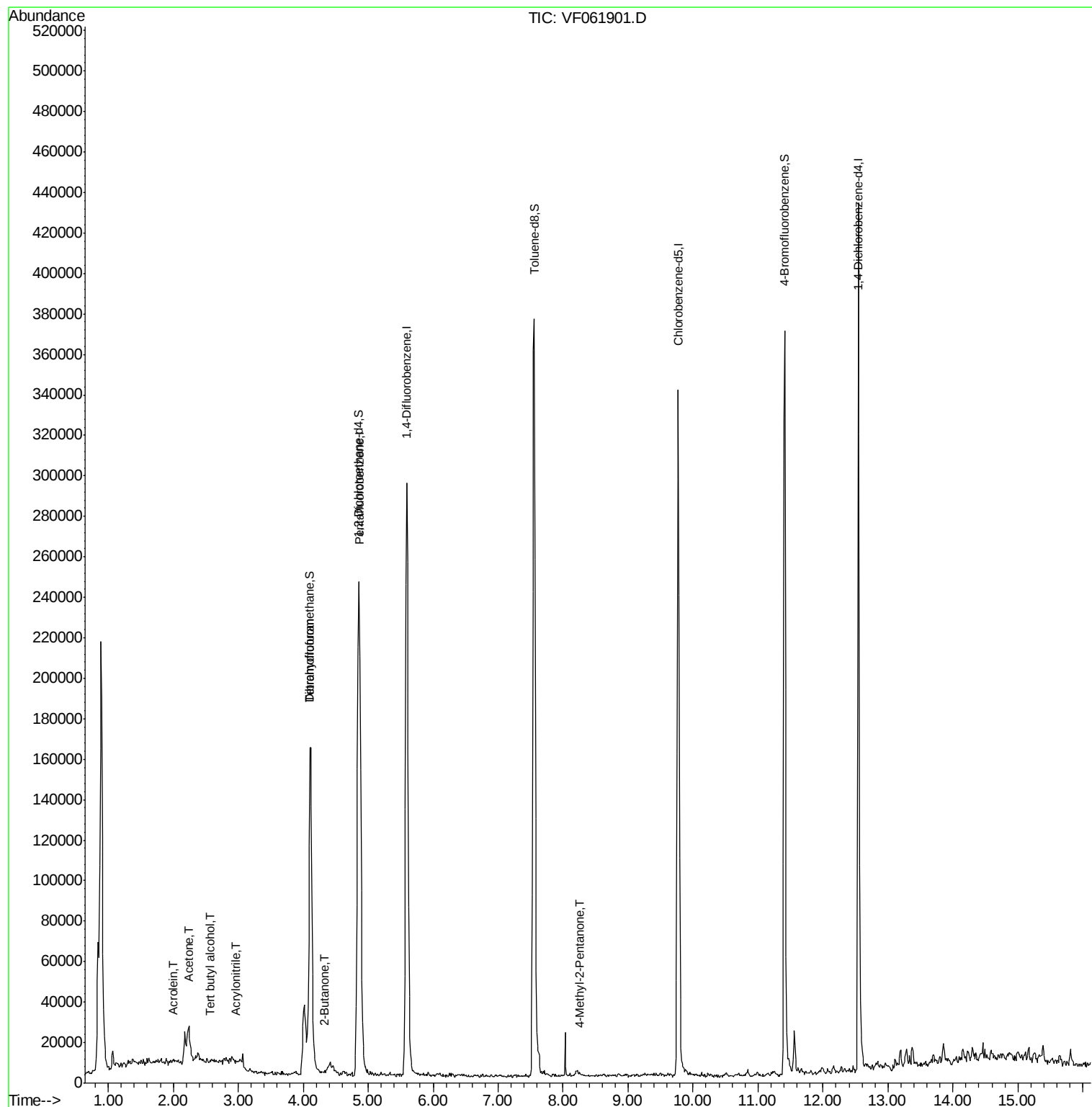
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	337	3.723	ug/l #	1
13) Acrolein	2.00	56	428	3.732	ug/l #	1
15) Acrylonitrile	2.96	53	446	1.548	ug/l #	16
16) Acetone	2.24	43	17938	53.703	ug/l	99
18) Methyl Acetate	2.33	43	1628	Below Cal	#	84
20) Methylene Chloride	2.18	84	6601	Below Cal		90
25) 2-Butanone	4.33	43	2331	3.431	ug/l #	78
29) Tetrahydrofuran	4.09	42	1636	5.583	ug/l #	76
51) 4-Methyl-2-Pentanone	8.27	43	1504	1.261	ug/l #	74

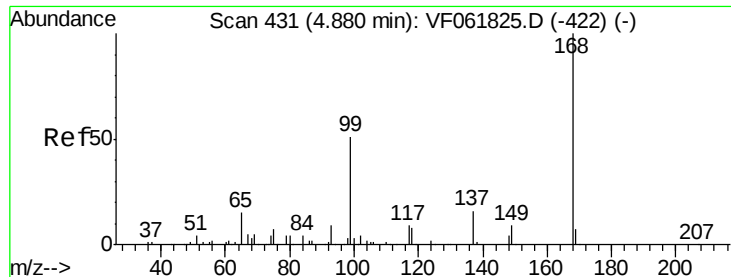
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031119\
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Quant Time: Mar 12 05:14:41 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: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061901.D

Acq: 11 Mar 2019 20:47

Instrument :

MSVOA_F

ClientSampleId :

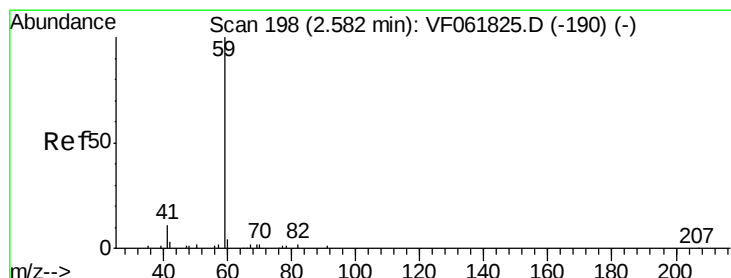
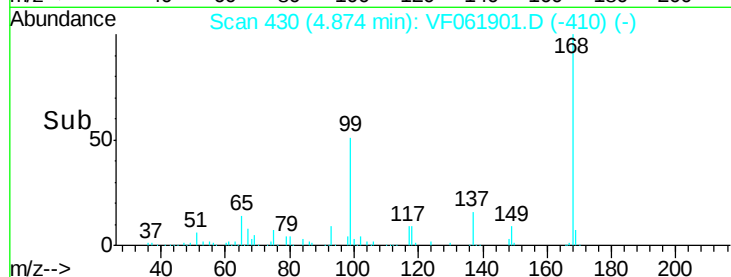
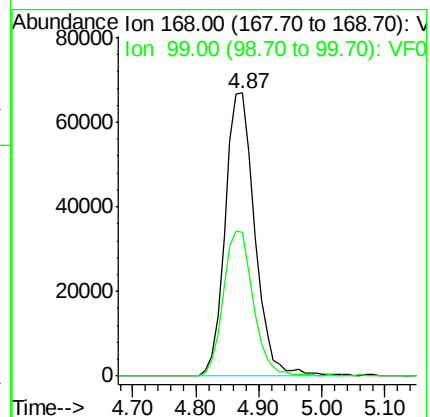
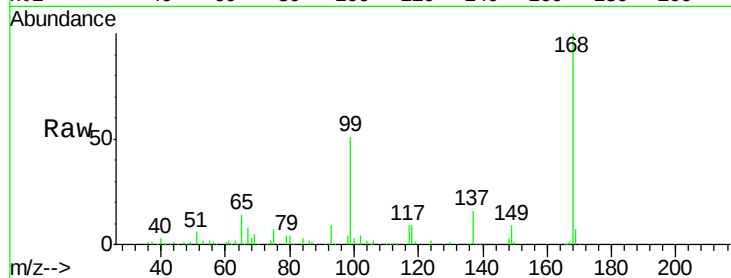
TP-1-S

Tot Ion:168 Resp: 218965

Ion Ratio Lower Upper

168 100

99 50.7 40.8 61.2



#11

Tert butyl alcohol

Concen: 3.723 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF061901.D

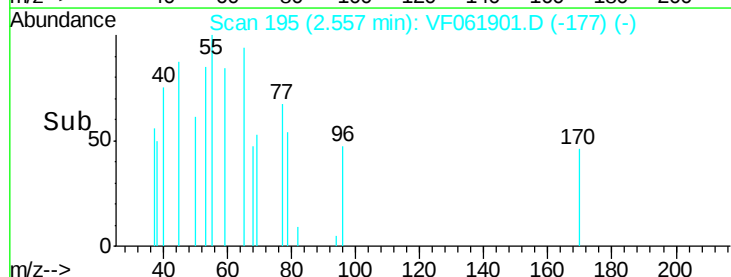
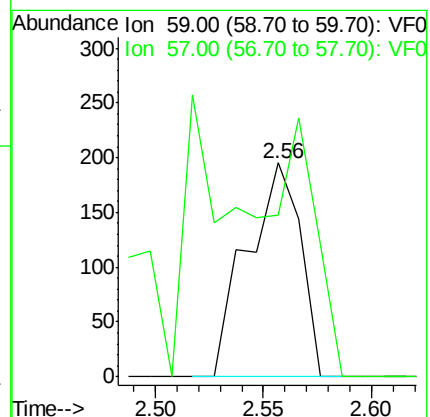
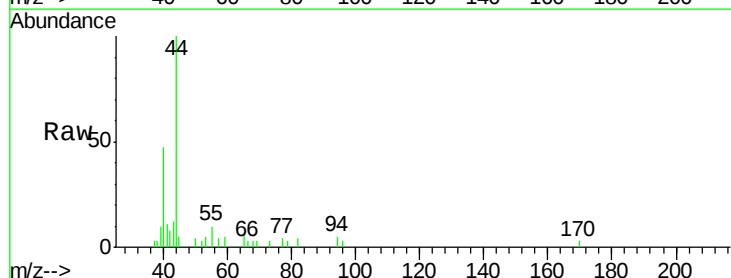
Acq: 11 Mar 2019 20:47

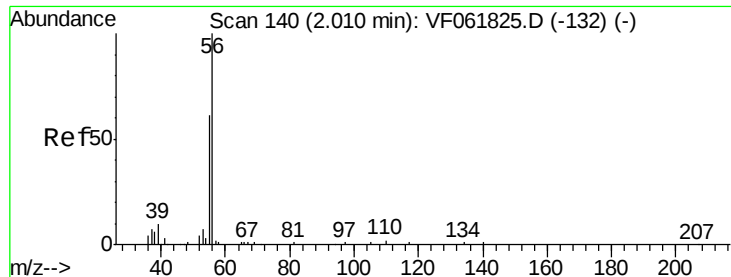
Tgt Ion: 59 Resp: 337

Ion Ratio Lower Upper

59 100

57 75.4 11.8 17.6#

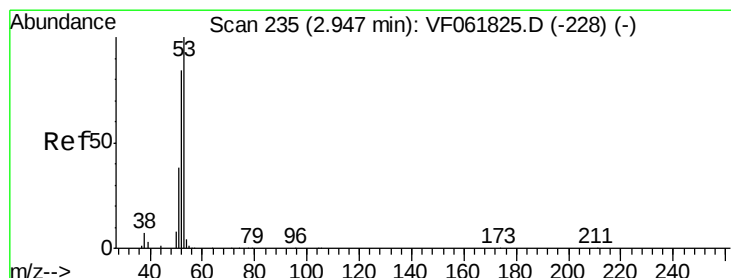
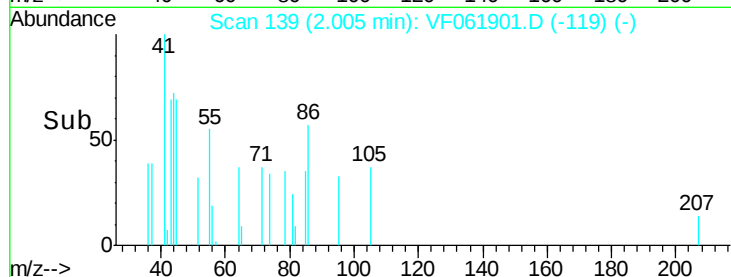
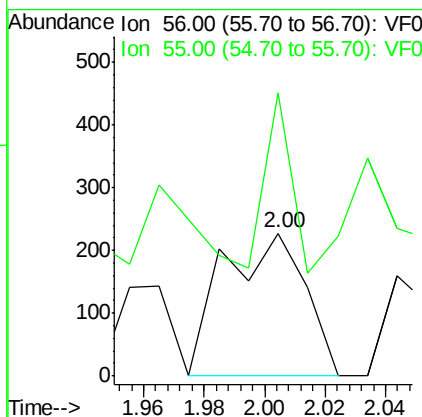
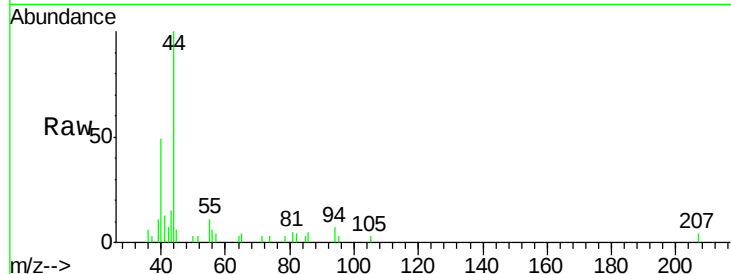




#13
Acrolein
Concen: 3.732 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061901.D
Acq: 11 Mar 2019 20:47

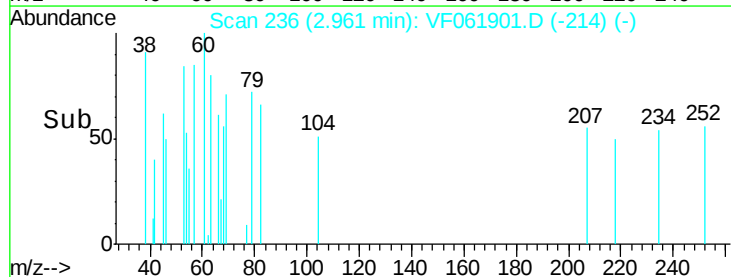
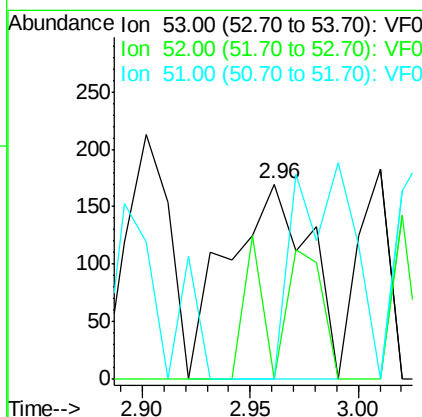
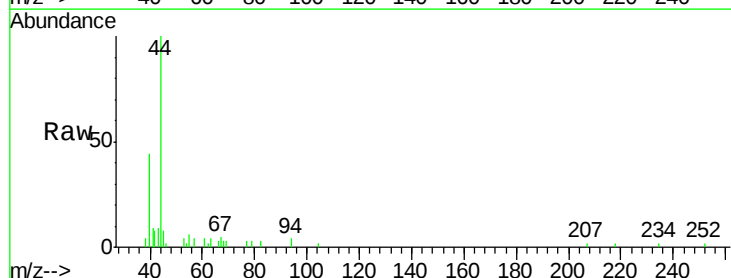
Instrument :
MSVOA_F
ClientSampled :
TP-1-S

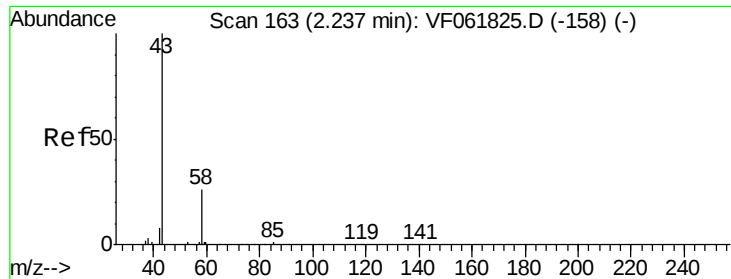
Tot Ion: 56 Resp: 428
Ion Ratio Lower Upper
56 100
55 198.7 51.3 76.9#



#15
Acrylonitrile
Concen: 1.548 ug/l
RT: 2.96 min Scan# 236
Delta R.T. 0.01 min
Lab File: VF061901.D
Acq: 11 Mar 2019 20:47

Tgt Ion: 53 Resp: 446
Ion Ratio Lower Upper
53 100
52 0.0 67.4 101.0#
51 0.0 30.7 46.1#





#16

Acetone

Concen: 53.703 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061901.D

Acq: 11 Mar 2019 20:47

Instrument :

MSVOA_F

ClientSampleId :

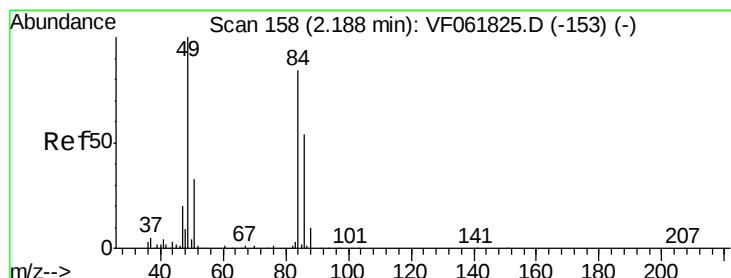
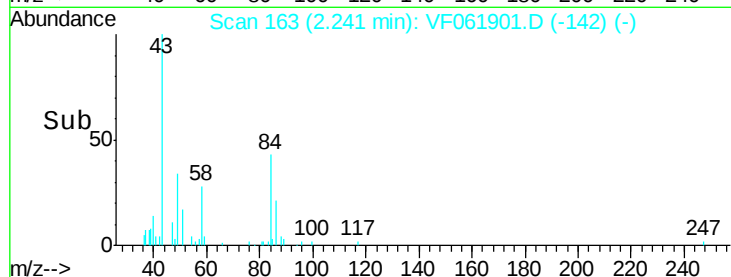
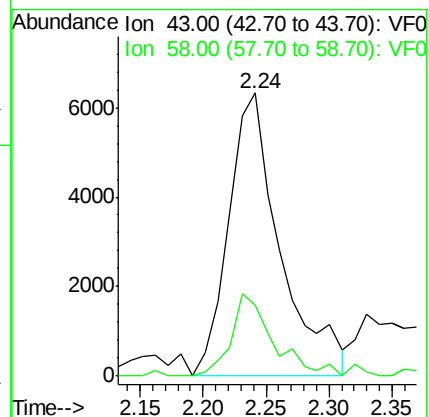
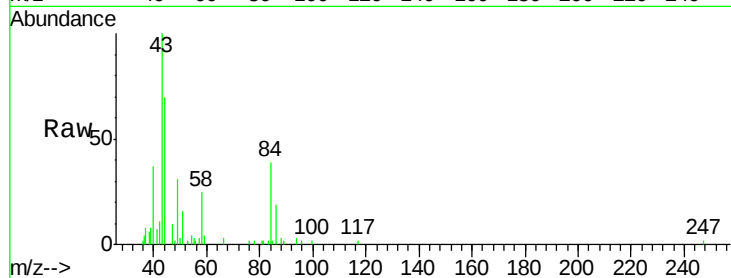
TP-1-S

Tot Ion: 43 Resp: 17938

Ion Ratio Lower Upper

43 100

58 25.1 20.3 30.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF061901.D

Acq: 11 Mar 2019 20:47

Tgt Ion: 84 Resp: 6601

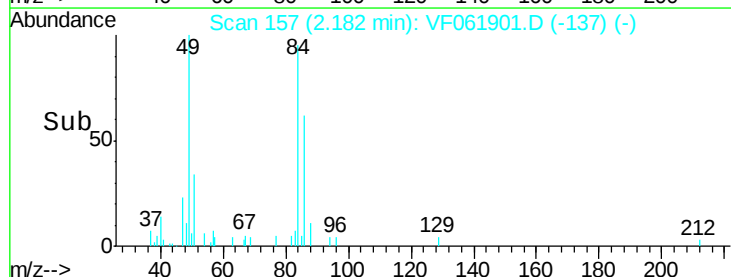
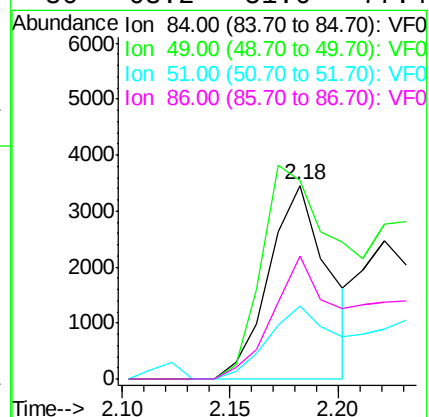
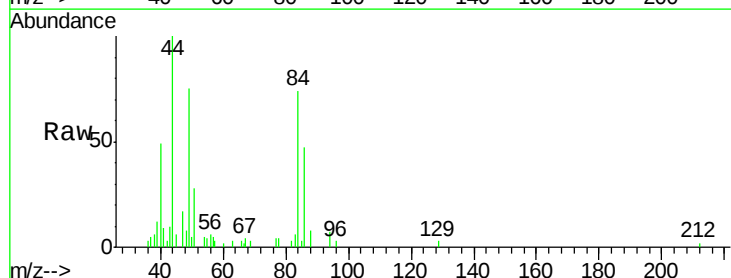
Ion Ratio Lower Upper

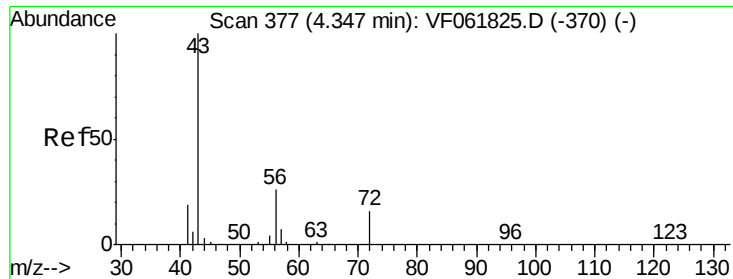
84 100

49 102.3 96.8 145.2

51 37.9 31.8 47.6

86 63.2 51.6 77.4

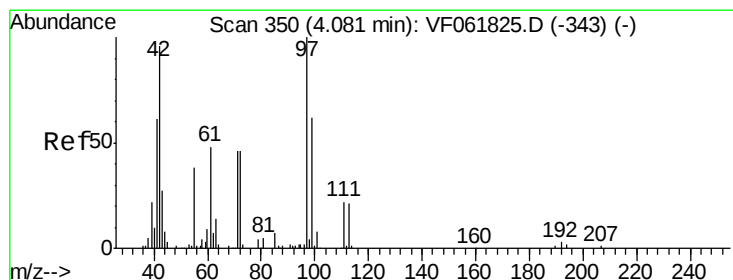
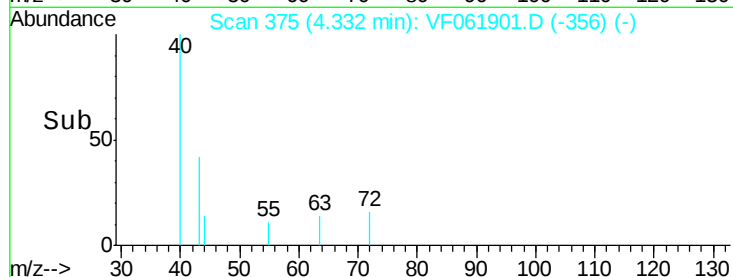
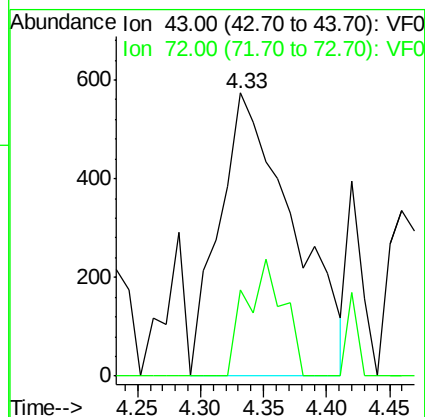
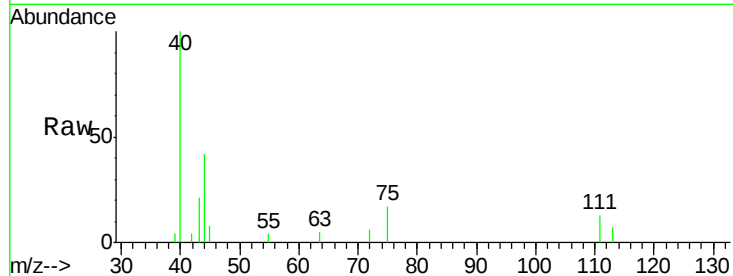




#25
2-Butanone
Concen: 3.431 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.02 min
Lab File: VF061901.D
Acq: 11 Mar 2019 20:47

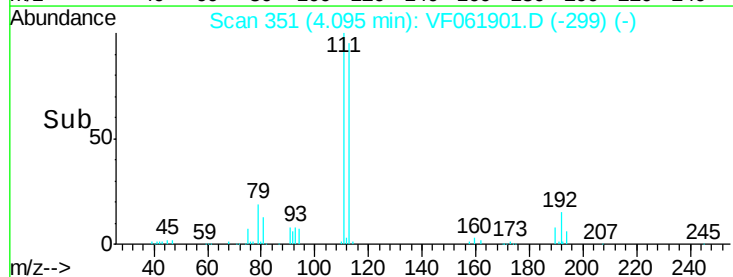
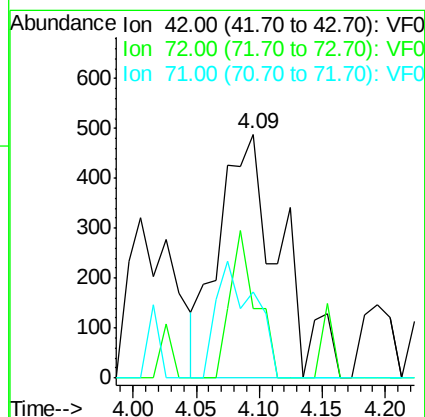
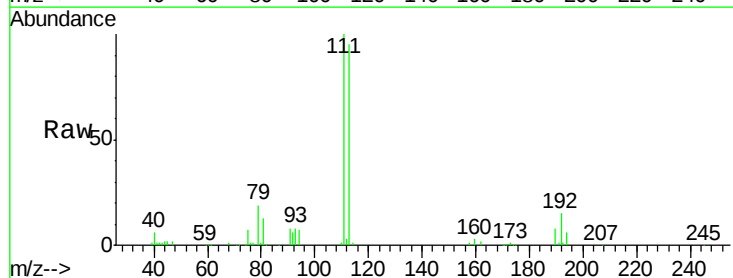
Instrument :
MSVOA_F
ClientSampled :
TP-1-S

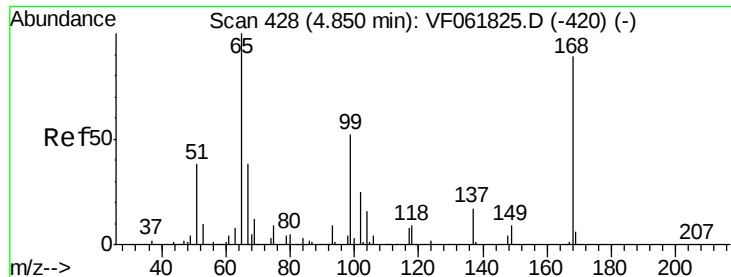
Tot Ion: 43 Resp: 2331
Ion Ratio Lower Upper
43 100
72 30.4 16.2 24.4#



#29
Tetrahydrofuran
Concen: 5.583 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061901.D
Acq: 11 Mar 2019 20:47

Tgt Ion: 42 Resp: 1636
Ion Ratio Lower Upper
42 100
72 25.8 34.4 51.6#
71 30.1 34.6 52.0#





#33

1,2-Dichloroethane-d4

Concen: 70.997 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061901.D

Acq: 11 Mar 2019 20:47

Instrument :

MSVOA_F

ClientSampleId :

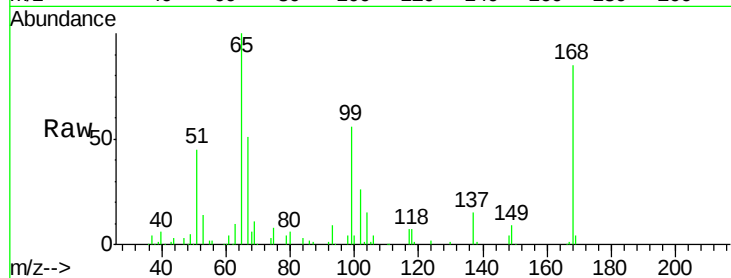
TP-1-S

Tot Ion: 65 Resp: 113212

Ion Ratio Lower Upper

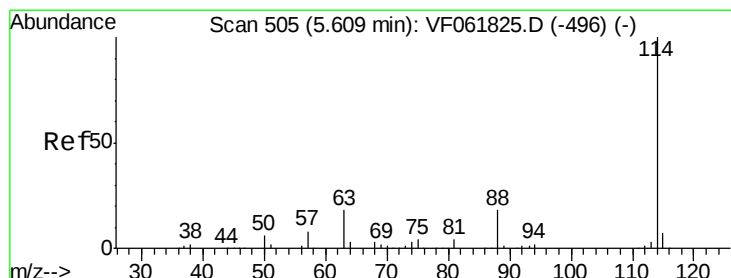
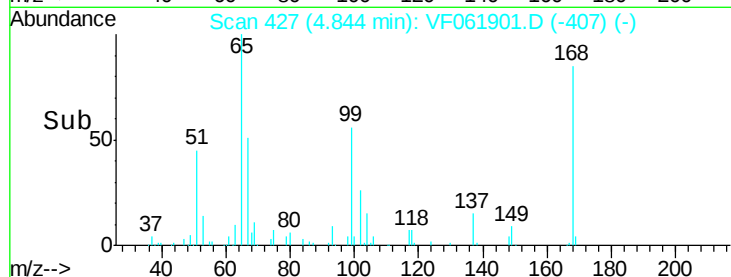
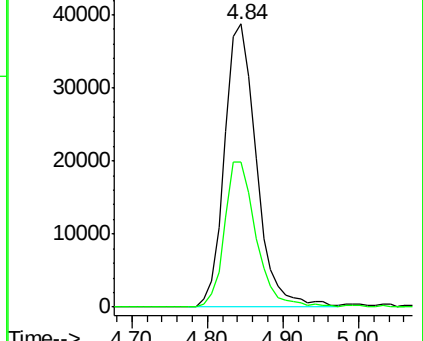
65 100

67 51.1 0.0 108.6



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: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061901.D

Acq: 11 Mar 2019 20:47

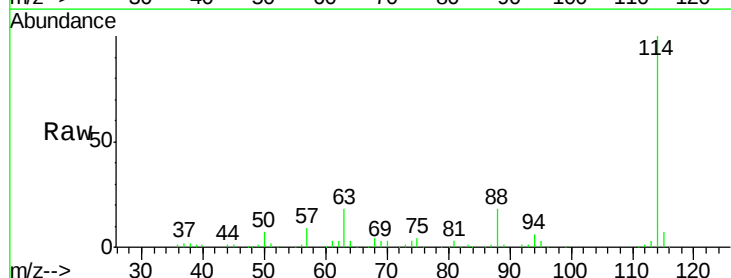
Tgt Ion: 114 Resp: 353157

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

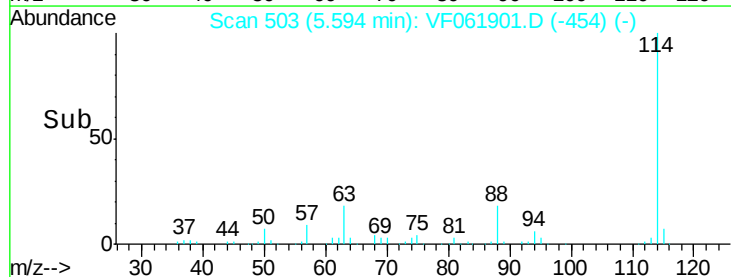
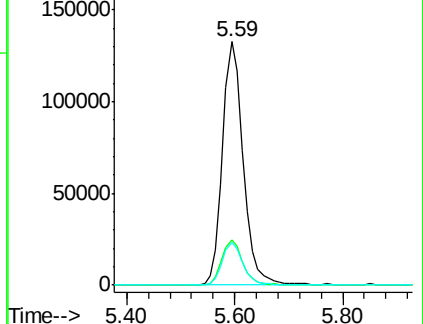
88 17.6 0.0 35.6

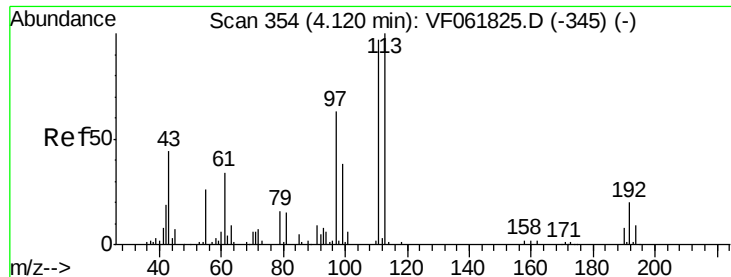


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

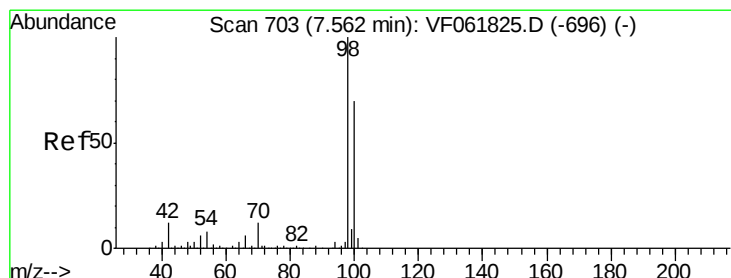
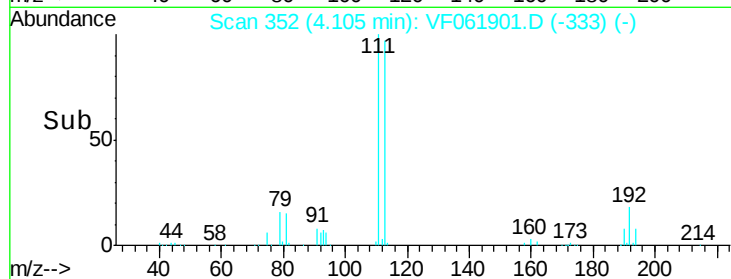
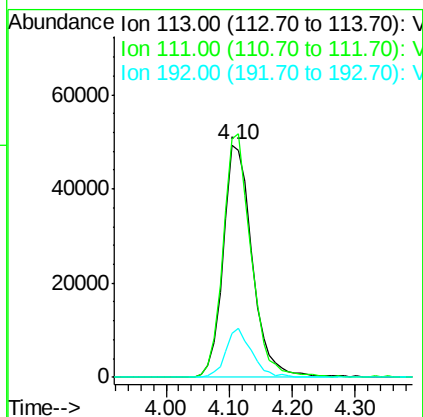
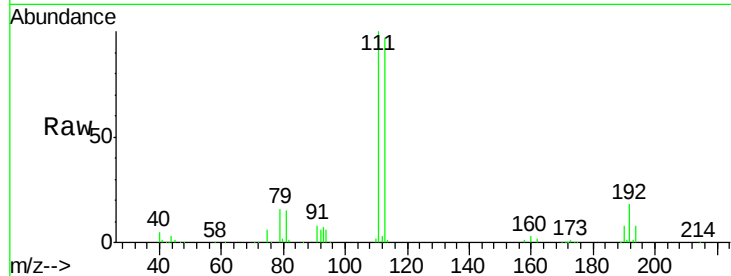




#35
 Dibromofluoromethane
 Concen: 63.856 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061901.D
 Acq: 11 Mar 2019 20:47

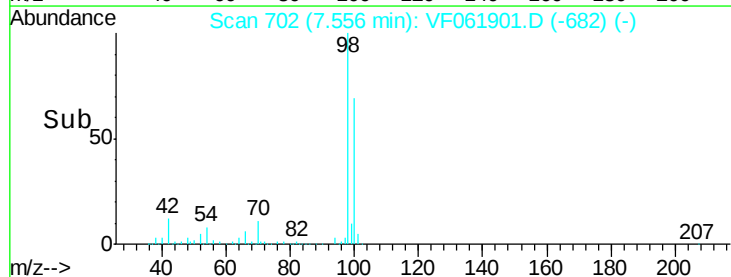
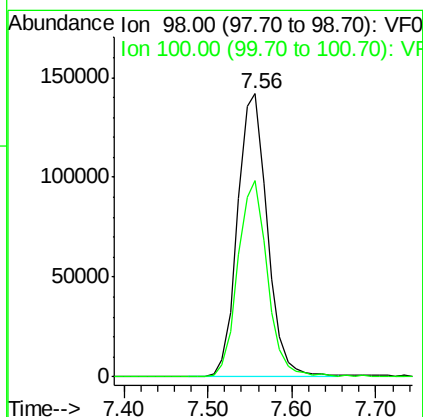
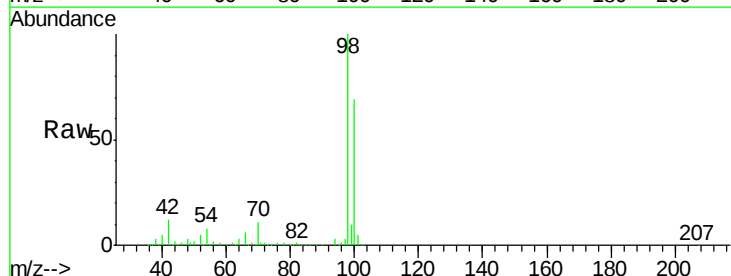
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-1-S

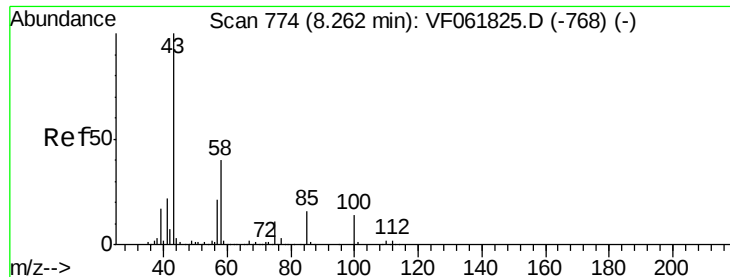
Tot Ion:113 Resp: 157379
 Ion Ratio Lower Upper
 113 100
 111 102.9 77.6 116.4
 192 18.8 15.9 23.9



#50
 Toluene-d8
 Concen: 47.951 ug/l
 RT: 7.56 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VF061901.D
 Acq: 11 Mar 2019 20:47

Tgt Ion: 98 Resp: 351264
 Ion Ratio Lower Upper
 98 100
 100 69.5 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 1.261 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF061901.D

Acq: 11 Mar 2019 20:47

Instrument :

MSVOA_F

ClientSampled :

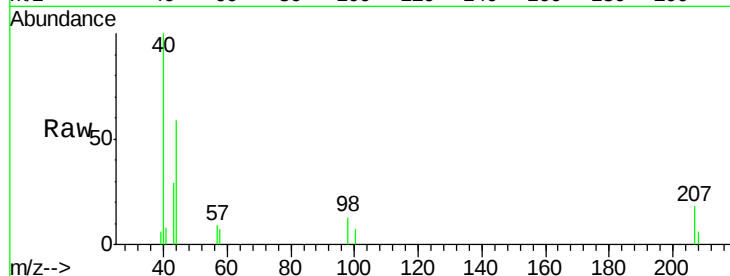
TP-1-S

Tot Ion: 43 Resp: 1504

Ion Ratio Lower Upper

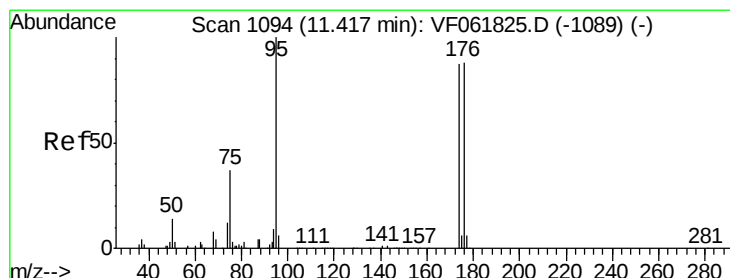
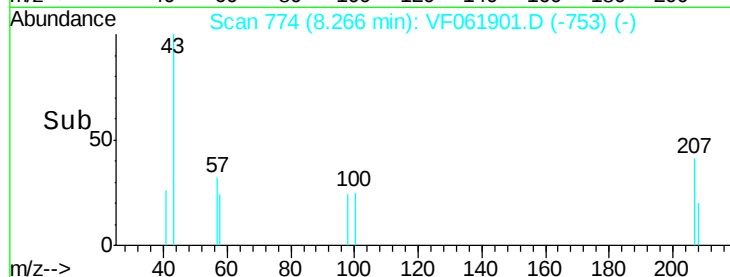
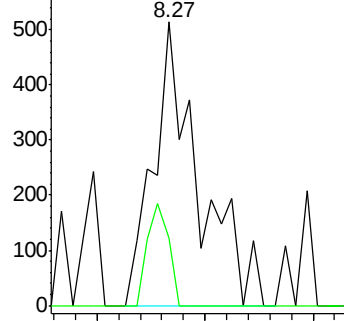
43 100

58 23.7 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 50.121 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061901.D

Acq: 11 Mar 2019 20:47

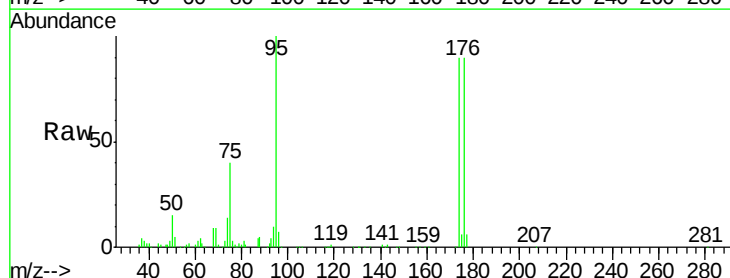
Tgt Ion: 95 Resp: 143824

Ion Ratio Lower Upper

95 100

174 90.5 0.0 174.0

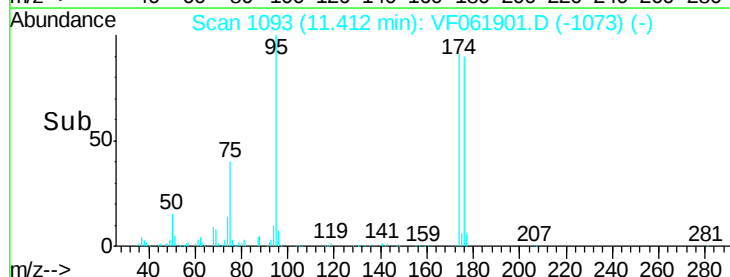
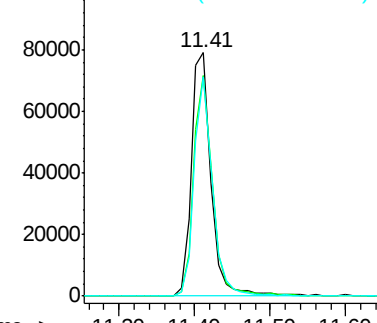
176 90.1 0.0 175.2

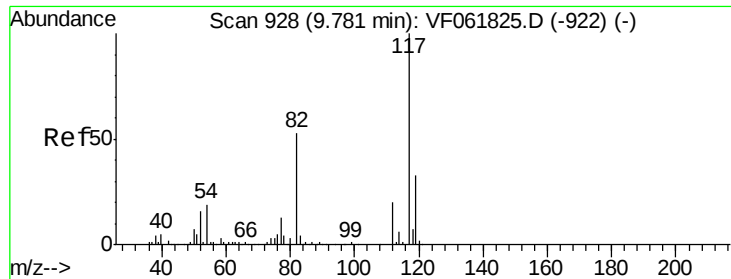


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

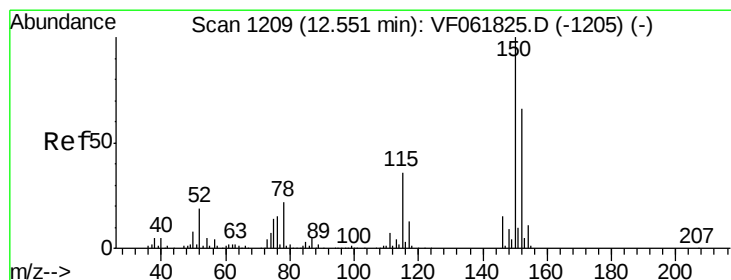
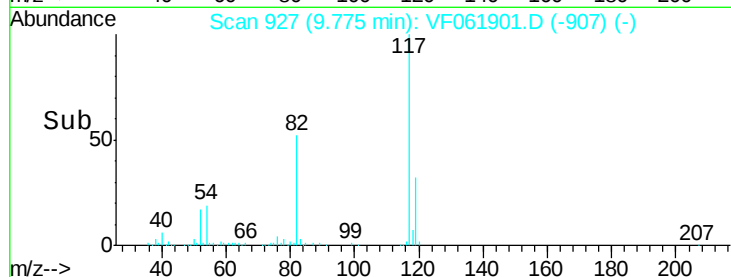
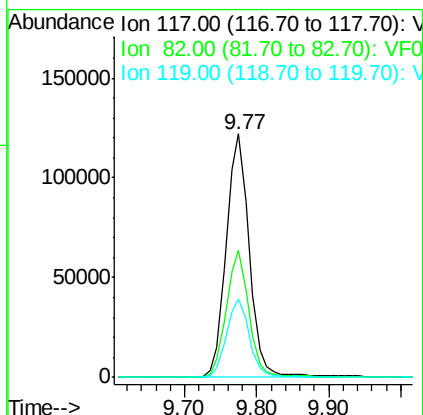
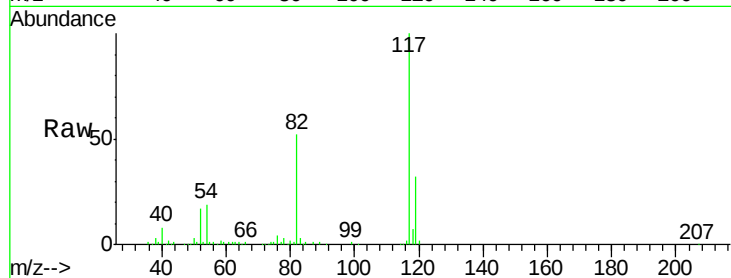




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061901.D
Acq: 11 Mar 2019 20:47

Instrument :
MSVOA_F
ClientSampleId :
TP-1-S

Tot Ion:117 Resp: 272552
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061901.D
Acq: 11 Mar 2019 20:47

Tgt Ion:152 Resp: 119071
Ion Ratio Lower Upper
152 100
115 55.9 27.7 83.1
150 155.4 0.0 304.2

