

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061849.D
 Acq On : 5 Mar 2019 17:06
 Operator : VA/AP
 Sample : K1715-11RE
 Misc : 5.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5-A

Quant Time: Mar 06 05:44:52 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	315942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	493100	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	392738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	189818	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	99609	43.29	ug/l	0.00
Spiked Amount			Recovery	=	86.58%	
35) Dibromofluoromethane	4.11	113	140496	40.83	ug/l	0.00
Spiked Amount			Recovery	=	81.66%	
50) Toluene-d8	7.56	98	357634	34.97	ug/l	0.00
Spiked Amount			Recovery	=	69.94%	
62) 4-Bromofluorobenzene	11.41	95	147726	36.87	ug/l	0.00
Spiked Amount			Recovery	=	73.74%	

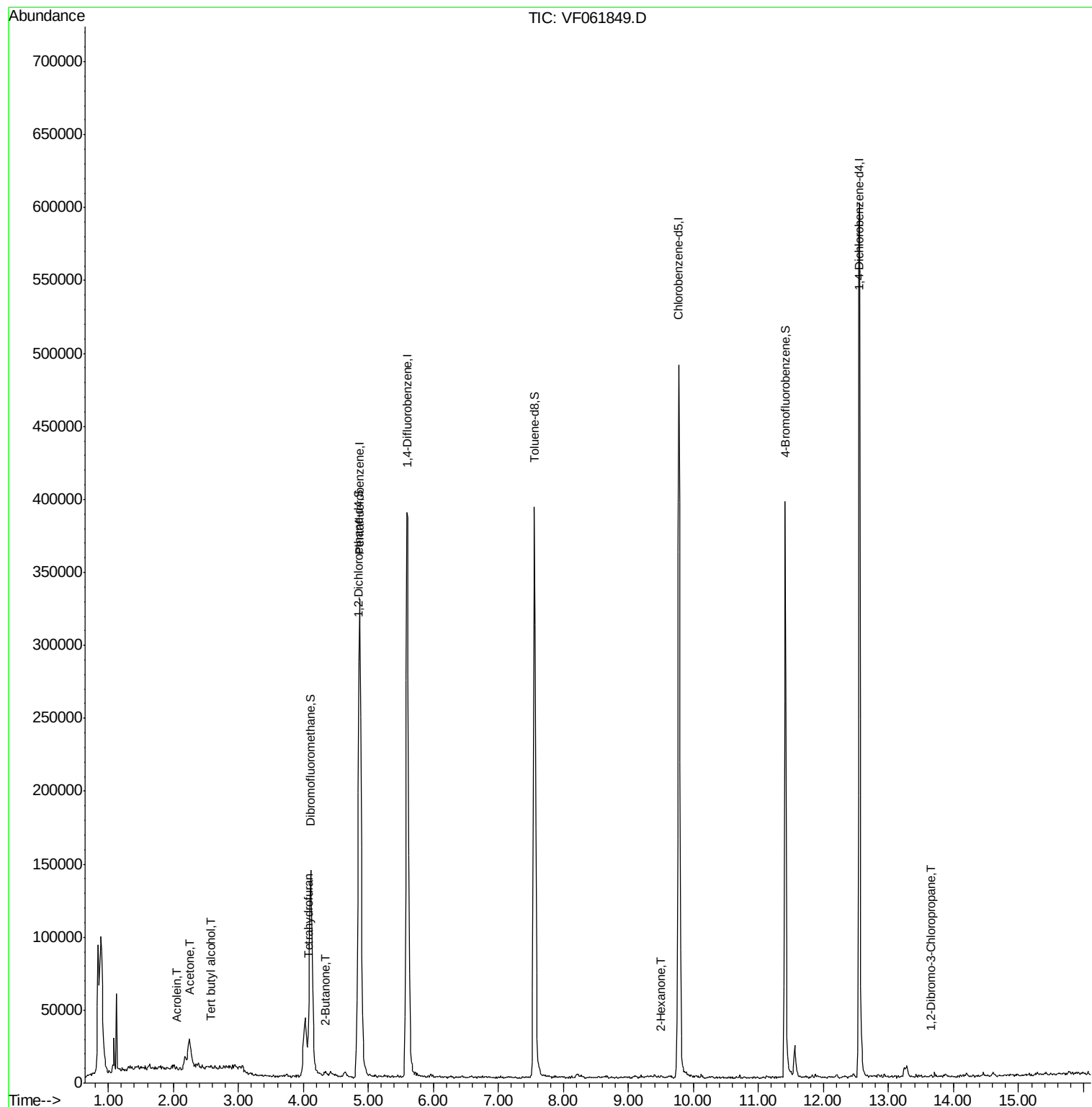
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	351	2.688	ug/l #	64
13) Acrolein	2.06	56	345	2.085	ug/l	98
16) Acetone	2.24	43	21908	45.456	ug/l	100
18) Methyl Acetate	2.35	43	957	Below Cal		100
20) Methylene Chloride	2.25	84	8063	Below Cal		97
25) 2-Butanone	4.34	43	6244	6.369	ug/l #	89
29) Tetrahydrofuran	4.07	42	1237	2.926	ug/l #	78
59) 2-Hexanone	9.50	43	1752	1.458	ug/l	72
92) 1,2-Dibromo-3-Chloropropan	13.66	75	74	3.949	ug/l #	1

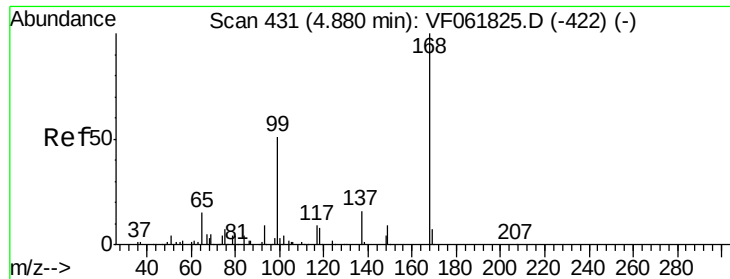
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030519\
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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: VF061849.D

Acq: 5 Mar 2019 17:06

Instrument :

MSVOA_F

ClientSampled :

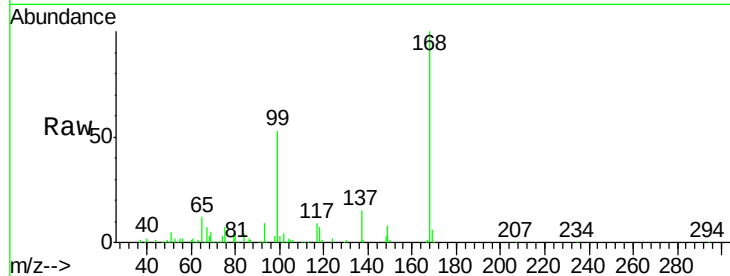
TP-5-A

Tot Ion:168 Resp: 315942

Ion Ratio Lower Upper

168 100

99 53.3 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.87

100000

80000

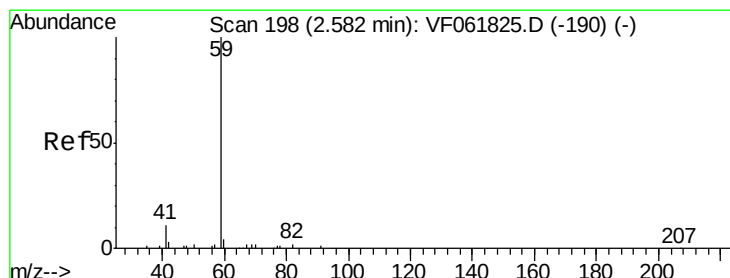
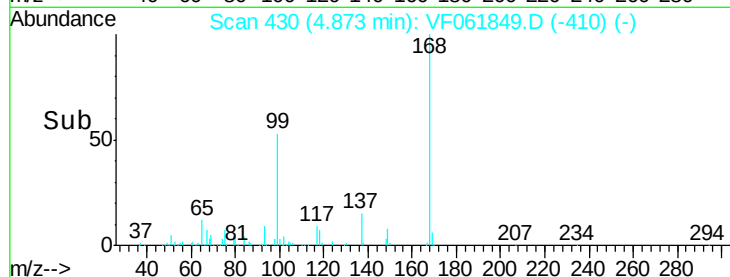
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 2.688 ug/l

RT: 2.57 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061849.D

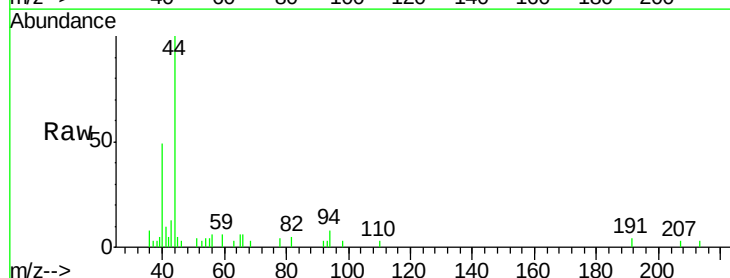
Acq: 5 Mar 2019 17:06

Tgt Ion: 59 Resp: 351

Ion Ratio Lower Upper

59 100

57 0.0 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

300

250

200

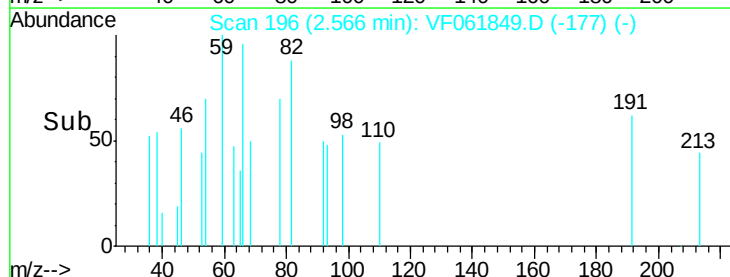
150

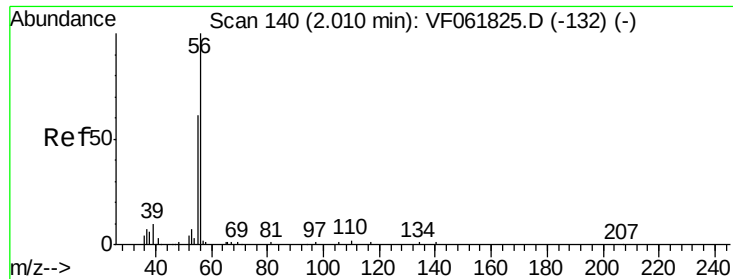
100

50

0

Time--> 2.50 2.55 2.60





#13

Acrolein

Concen: 2.085 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.05 min

Lab File: VF061849.D

Acq: 5 Mar 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

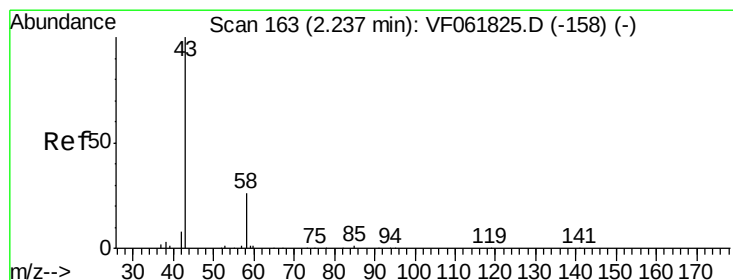
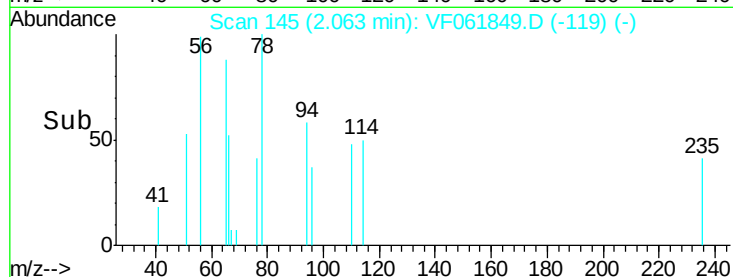
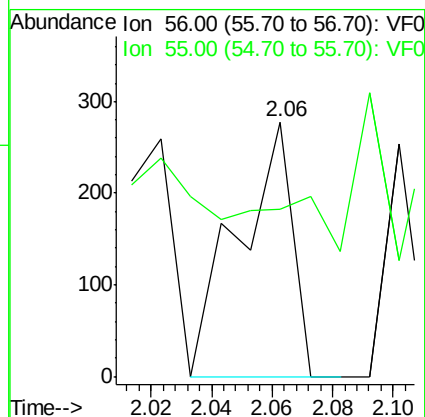
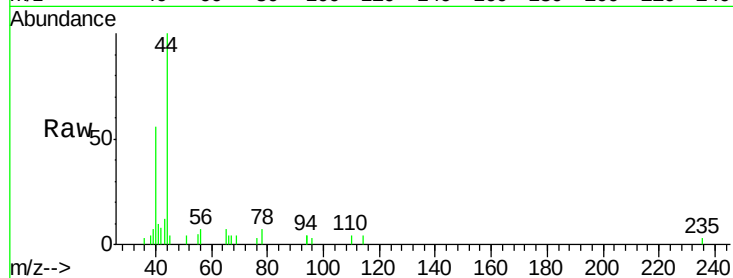
TP-5-A

Tot Ion: 56 Resp: 345

Ion Ratio Lower Upper

56 100

55 65.8 51.3 76.9



#16

Acetone

Concen: 45.456 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061849.D

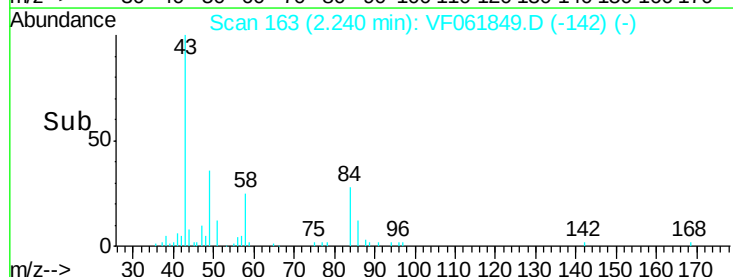
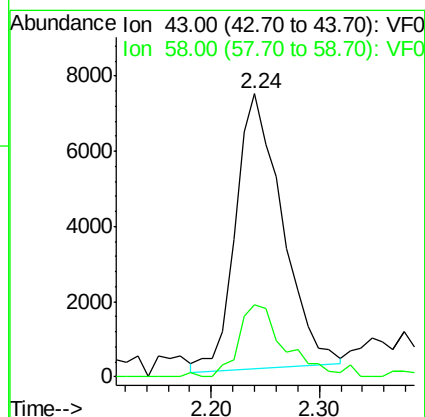
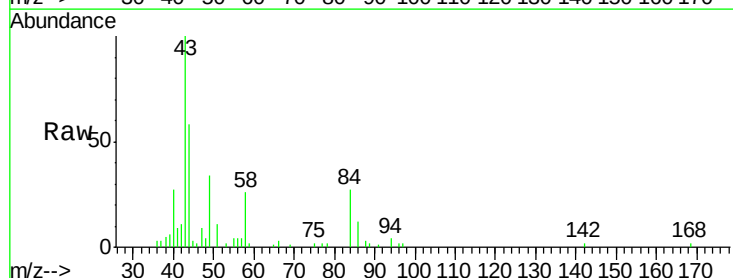
Acq: 5 Mar 2019 17:06

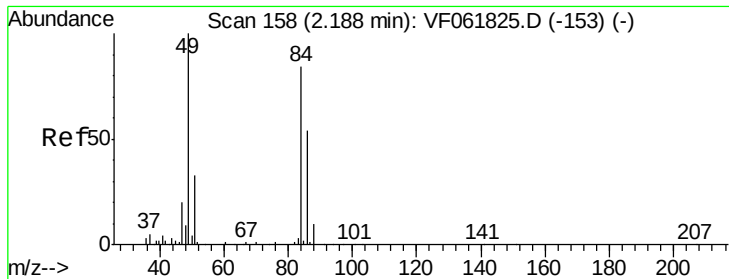
Tgt Ion: 43 Resp: 21908

Ion Ratio Lower Upper

43 100

58 25.7 20.3 30.5



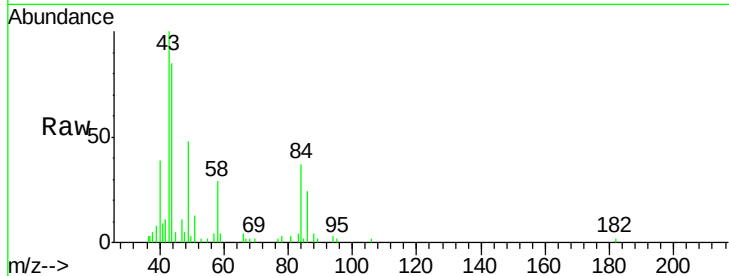


#20

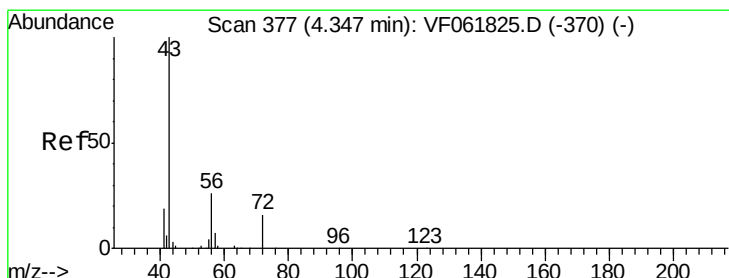
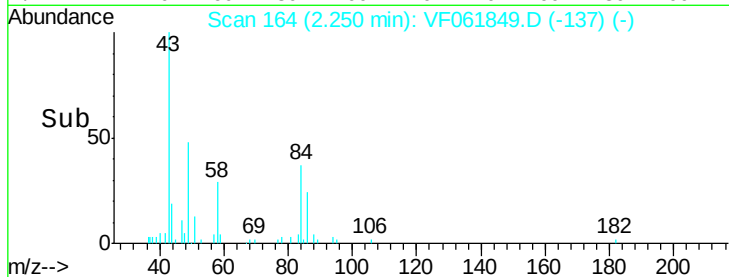
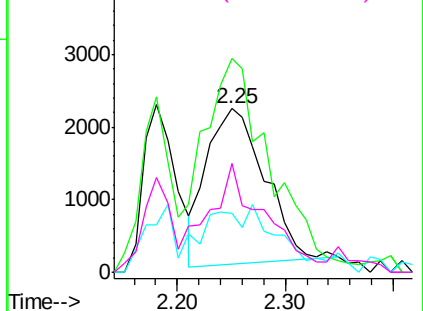
Methylene Chloride
 Concen: Below Cal
 RT: 2.25 min Scan# 164
 Delta R.T. 0.06 min
 Lab File: VF061849.D
 Acq: 5 Mar 2019 17:06

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-5-A

Tot Ion: 84 Resp: 8063
 Ion Ratio Lower Upper
 84 100
 49 124.2 96.8 145.2
 51 34.5 31.8 47.6
 86 63.3 51.6 77.4



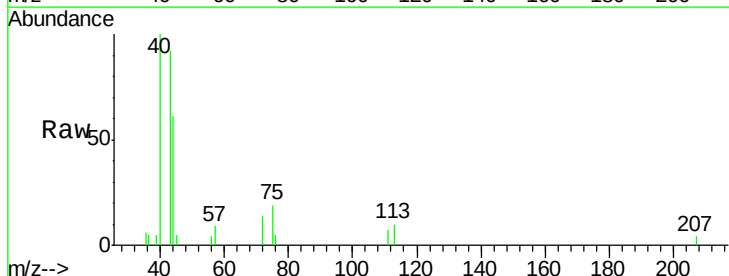
Abundance Ion 84.00 (83.70 to 84.70): VF0
 Ion 49.00 (48.70 to 49.70): VF0
 Ion 51.00 (50.70 to 51.70): VF0
 Ion 86.00 (85.70 to 86.70): VF0



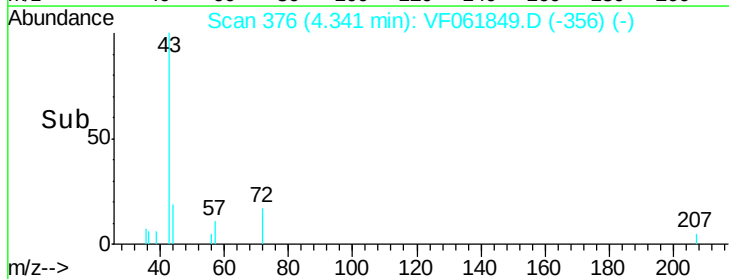
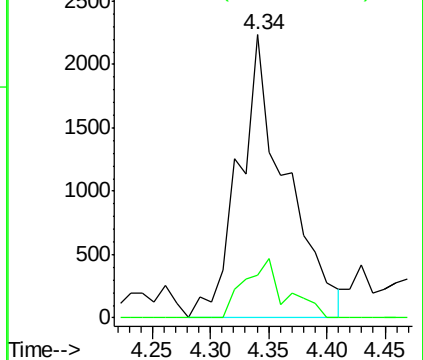
#25

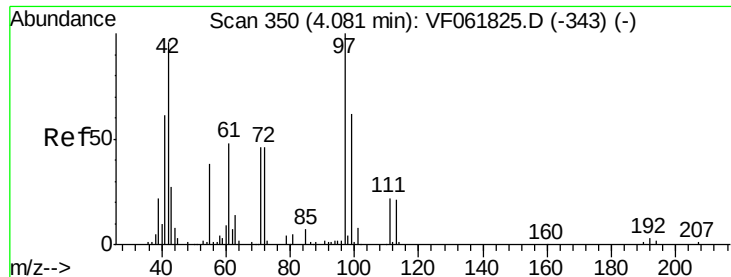
2-Butanone
 Concen: 6.369 ug/l
 RT: 4.34 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VF061849.D
 Acq: 5 Mar 2019 17:06

Tgt Ion: 43 Resp: 6244
 Ion Ratio Lower Upper
 43 100
 72 15.1 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 72.00 (71.70 to 72.70): VF0





#29

Tetrahydrofuran

Concen: 2.926 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061849.D

Acq: 5 Mar 2019 17:06

Instrument :

MSVOA_F

ClientSampled :

TP-5-A

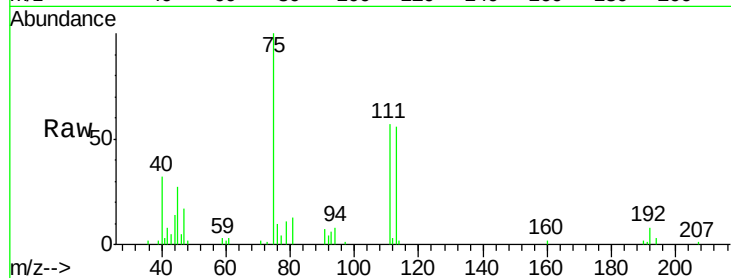
Tot Ion: 42 Resp: 1237

Ion Ratio Lower Upper

42 100

72 25.2 34.4 51.6#

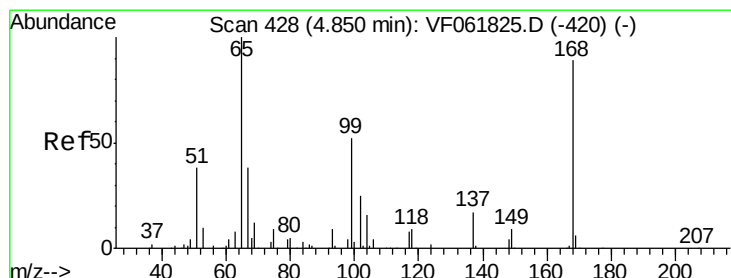
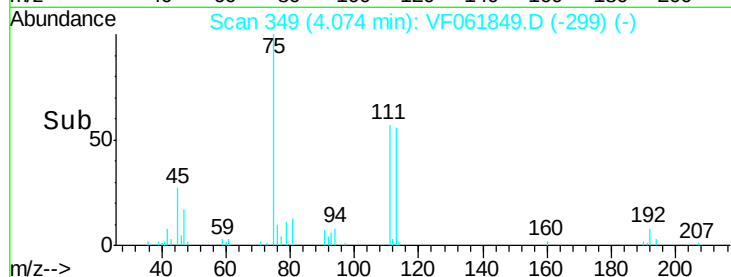
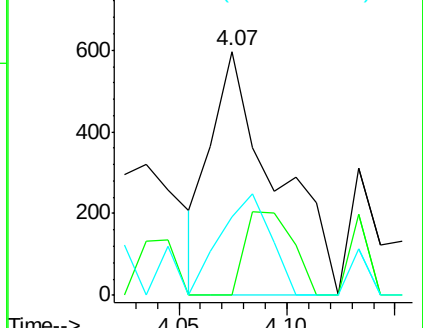
71 32.4 34.6 52.0#



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: 43.293 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061849.D

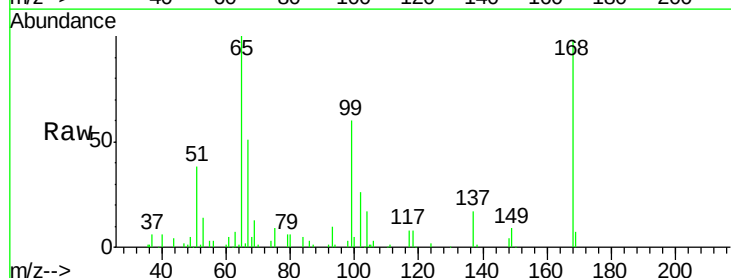
Acq: 5 Mar 2019 17:06

Tgt Ion: 65 Resp: 99609

Ion Ratio Lower Upper

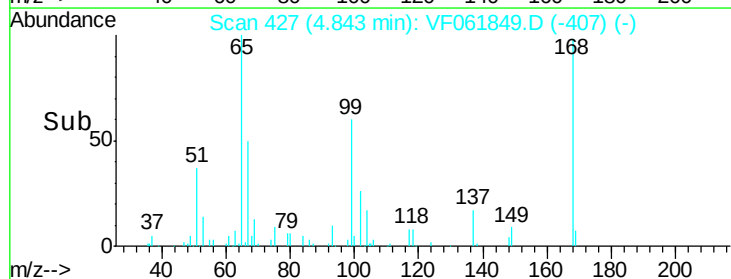
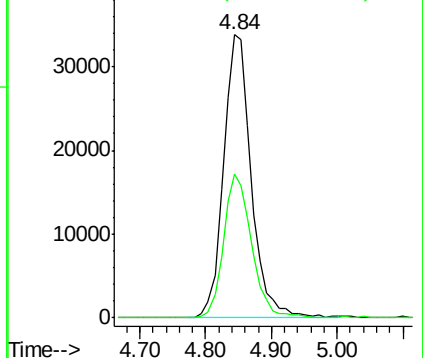
65 100

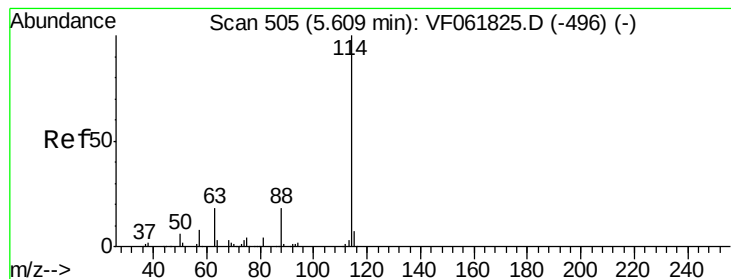
67 50.8 0.0 108.6



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: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061849.D

Acq: 5 Mar 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

TP-5-A

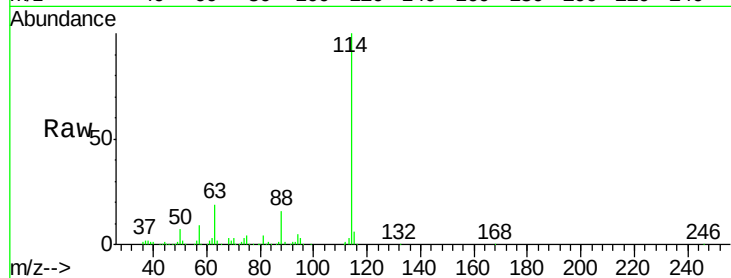
Tot Ion:114 Resp: 493100

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.6

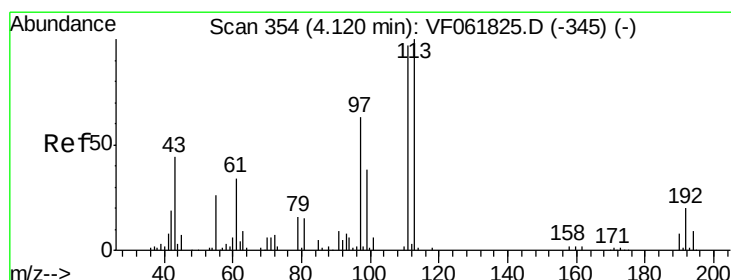
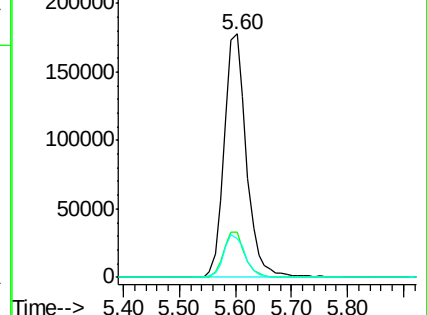
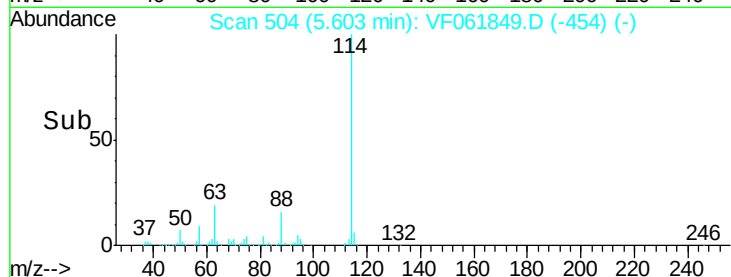
88 15.9 0.0 35.6



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: 40.828 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061849.D

Acq: 5 Mar 2019 17:06

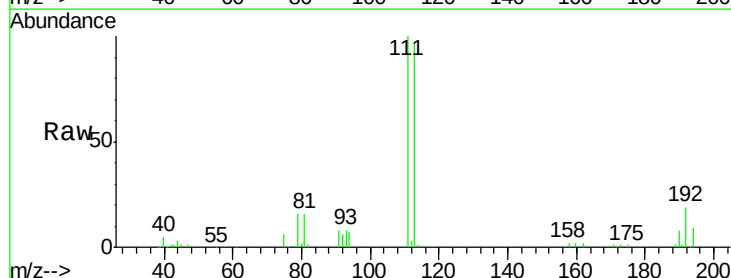
Tgt Ion:113 Resp: 140496

Ion Ratio Lower Upper

113 100

111 102.9 77.6 116.4

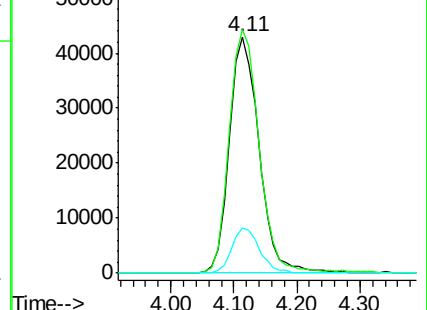
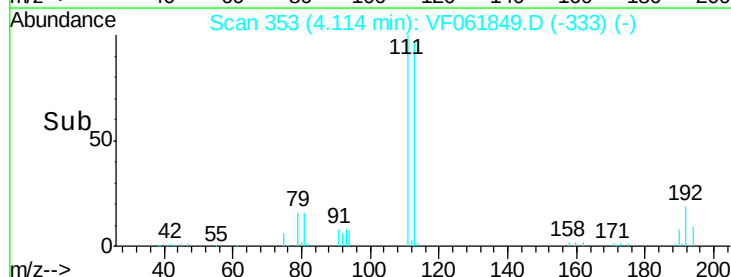
192 19.2 15.9 23.9

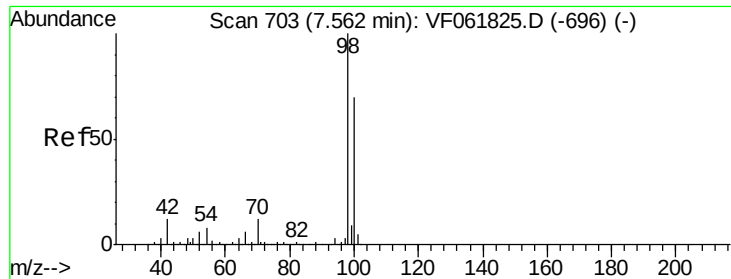


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

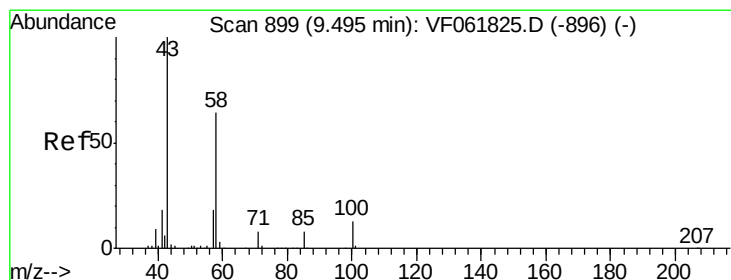
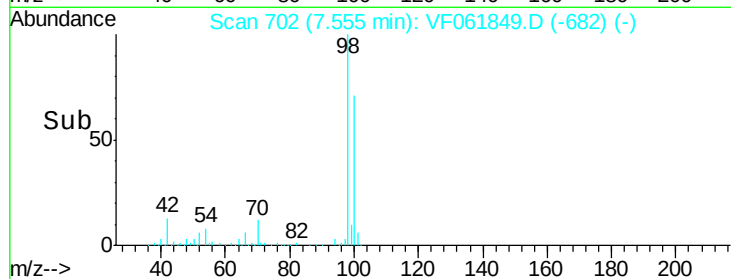
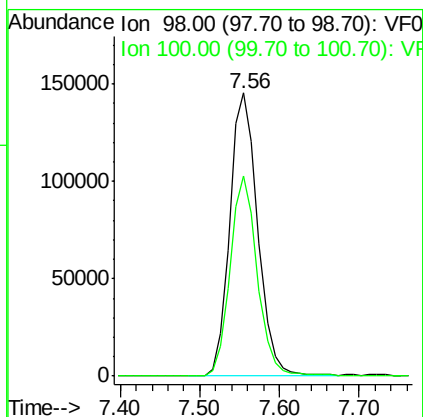
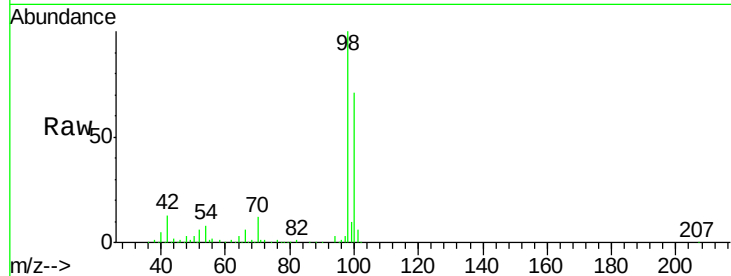




#50
Toluene-d8
Concen: 34.965 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061849.D
Acq: 5 Mar 2019 17:06

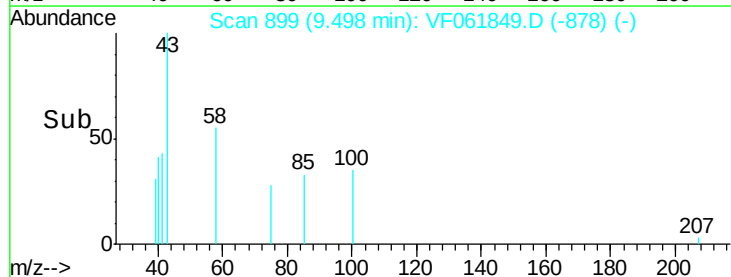
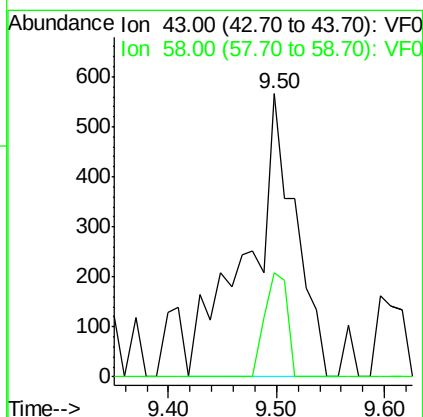
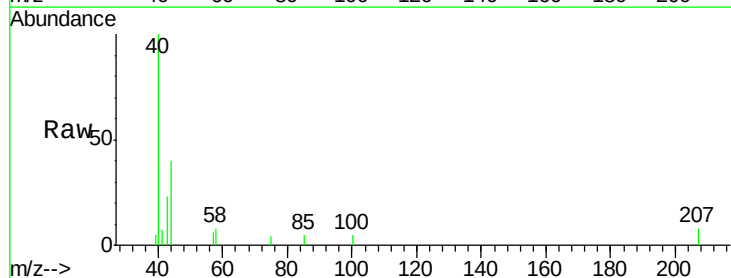
Instrument :
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ClientSampleId :
TP-5-A

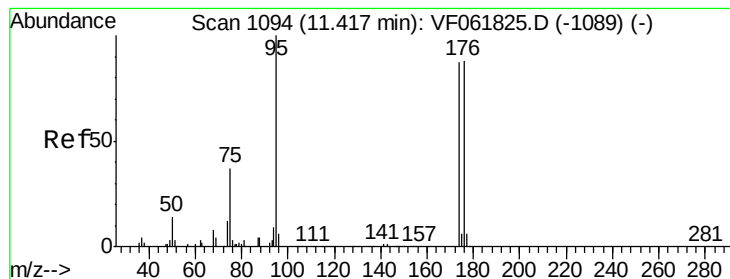
Tot Ion: 98 Resp: 357634
Ion Ratio Lower Upper
98 100
100 70.8 56.0 84.0



#59
2-Hexanone
Concen: 1.458 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF061849.D
Acq: 5 Mar 2019 17:06

Tgt Ion: 43 Resp: 1752
Ion Ratio Lower Upper
43 100
58 36.6 28.8 86.4





#62

4-Bromofluorobenzene

Concen: 36.870 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061849.D

Acq: 5 Mar 2019 17:06

Instrument :

MSVOA_F

ClientSampleId :

TP-5-A

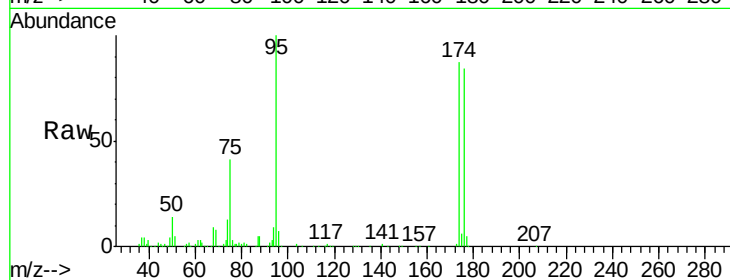
Tot Ion: 95 Resp: 147726

Ion Ratio Lower Upper

95 100

174 87.1 0.0 174.0

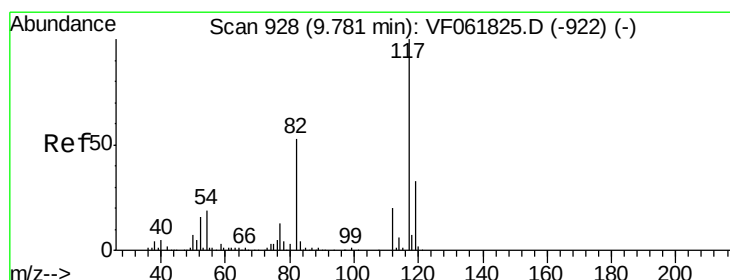
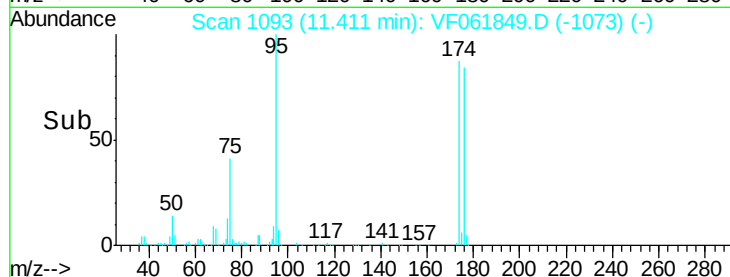
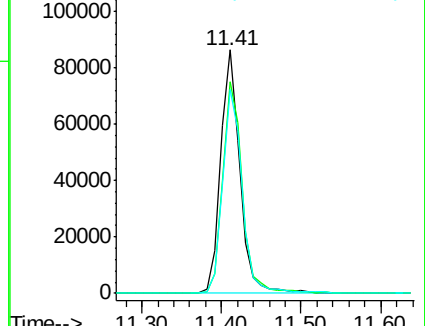
176 83.6 0.0 175.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061849.D

Acq: 5 Mar 2019 17:06

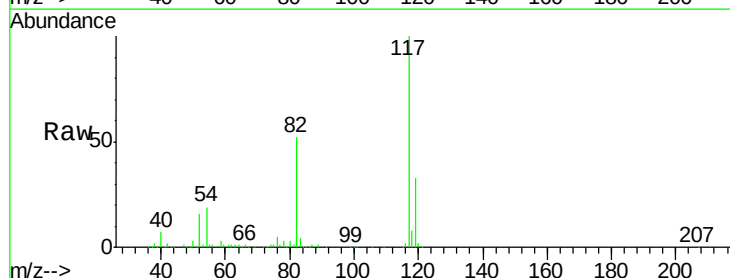
Tgt Ion: 117 Resp: 392738

Ion Ratio Lower Upper

117 100

82 51.7 42.6 63.8

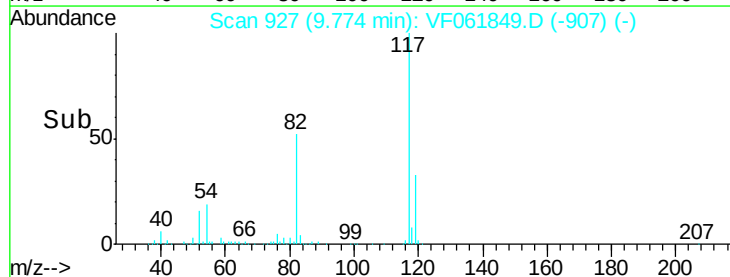
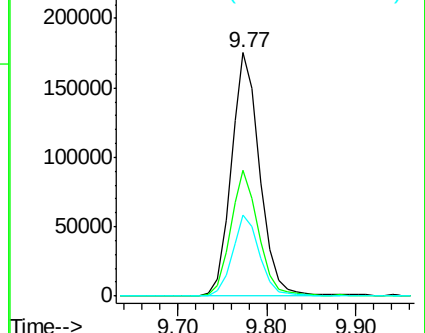
119 33.4 26.0 39.0

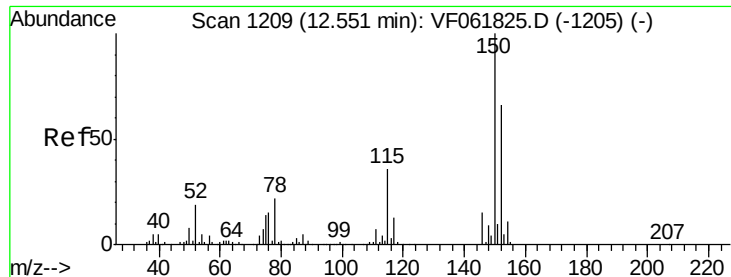


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF061849.D

Acq: 5 Mar 2019 17:06

Instrument :

MSVOA_F

ClientSampled :

TP-5-A

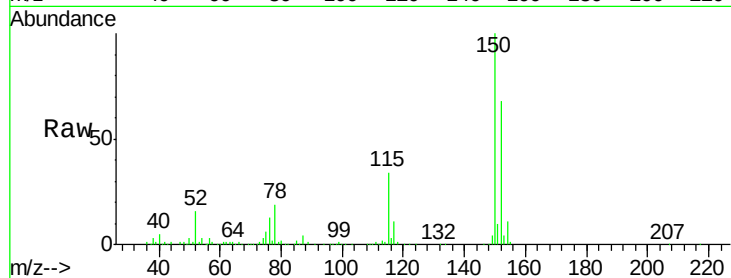
Tot Ion:152 Resp: 189818

Ion Ratio Lower Upper

152 100

115 49.7 27.7 83.1

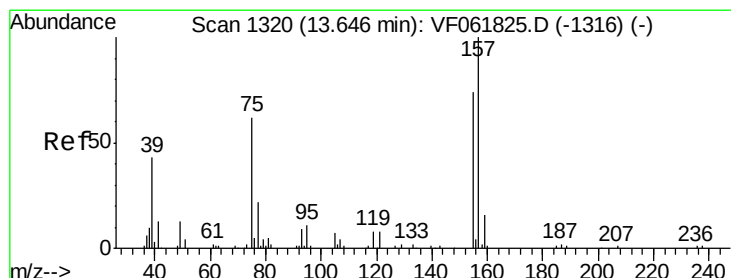
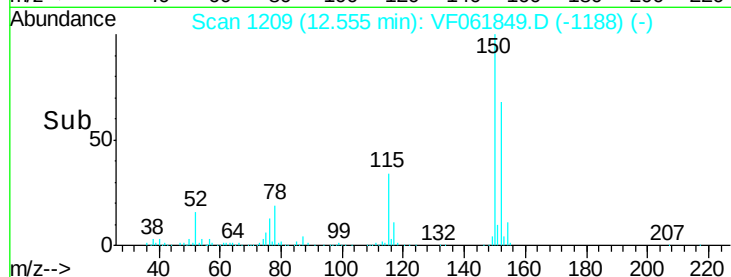
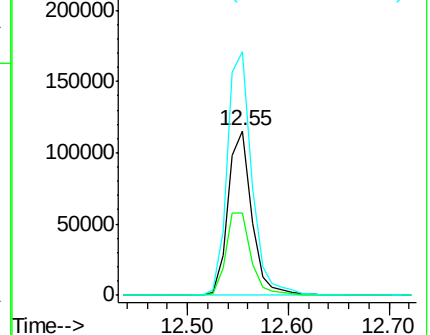
150 147.8 0.0 304.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.949 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VF061849.D

Acq: 5 Mar 2019 17:06

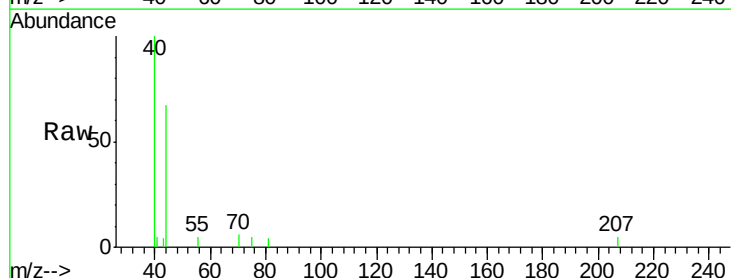
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

