

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062521.D
 Acq On : 13 May 2019 1:04
 Operator : FY/SY
 Sample : K2756-02
 Misc : 5.82g/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS005-0206-01

Quant Time: May 13 07:17:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

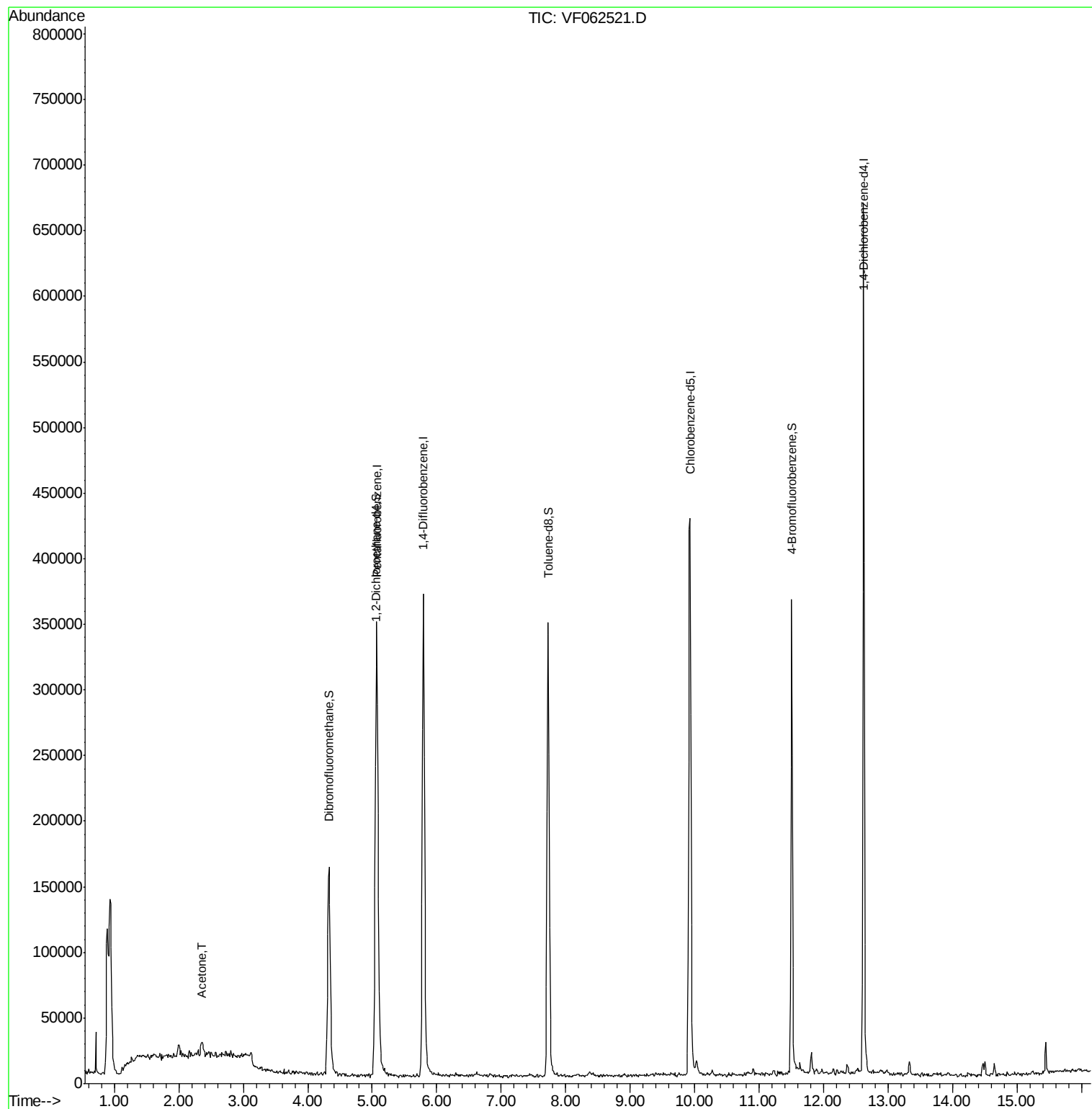
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	292212	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	411430	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	322547	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	169119	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	115840	41.95	ug/l	0.03
Spiked Amount 50.000			Recovery	=	83.90%	
35) Dibromofluoromethane	4.33	113	143730	43.85	ug/l	0.03
Spiked Amount 50.000			Recovery	=	87.70%	
50) Toluene-d8	7.73	98	298436	37.61	ug/l	0.03
Spiked Amount 50.000			Recovery	=	75.22%	
62) 4-Bromofluorobenzene	11.51	95	117585	32.85	ug/l	0.02
Spiked Amount 50.000			Recovery	=	65.70%	
Target Compounds						
16) Acetone	2.36	43	16017	28.672	ug/l	Qvalue 100

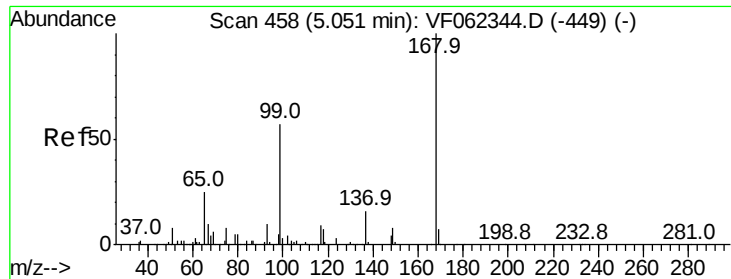
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF062521.D

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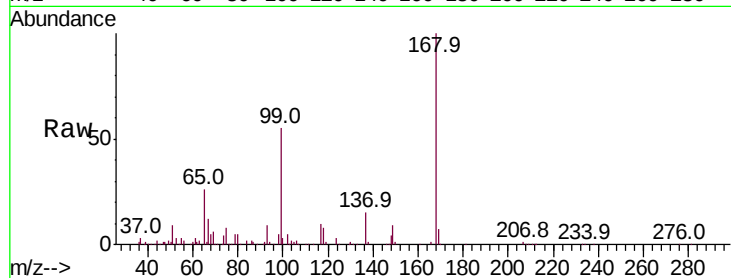
P021-SS005-0206-01

Tot Ion:168 Resp: 292212

Ion Ratio Lower Upper

168 100

99 55.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

100000

80000

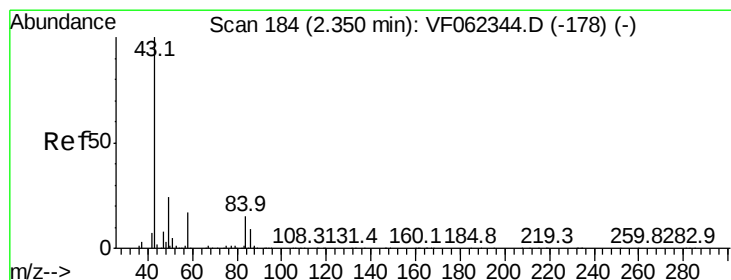
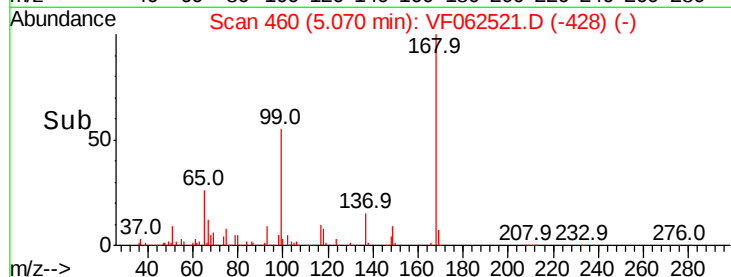
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 28.672 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062521.D

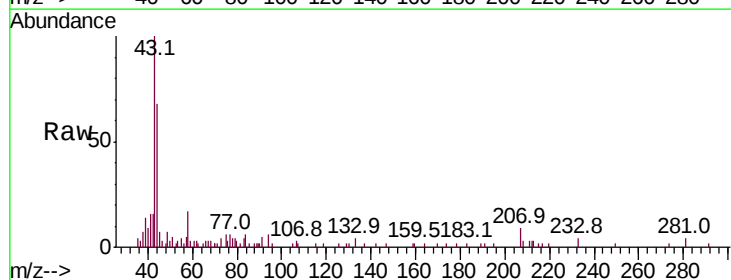
Acq: 13 May 2019 1:04

Tgt Ion: 43 Resp: 16017

Ion Ratio Lower Upper

43 100

58 16.6 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.36

8000

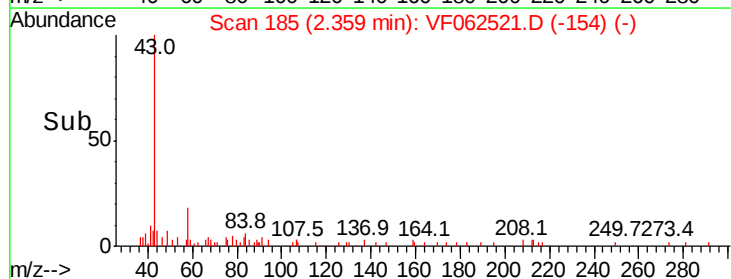
6000

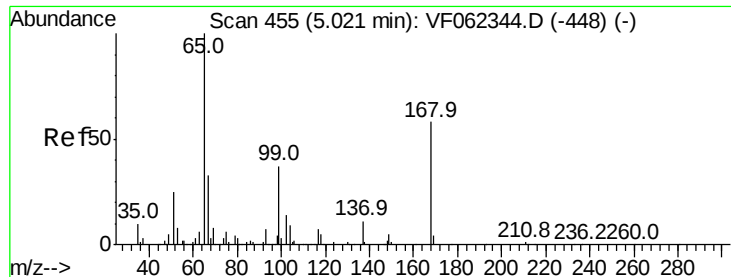
4000

2000

0

Time--> 2.30 2.40





#33

1,2-Dichloroethane-d4

Concen: 41.948 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062521.D

Acq: 13 May 2019 1:04

Instrument :

MSVOA_F

ClientSampleId :

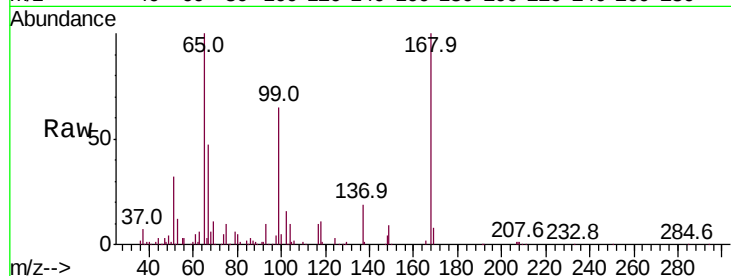
P021-SS005-0206-01

Tot Ion: 65 Resp: 115840

Ion Ratio Lower Upper

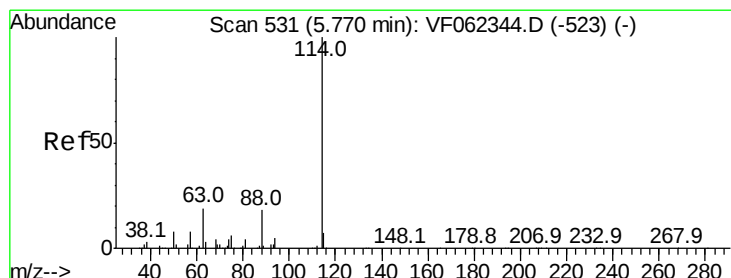
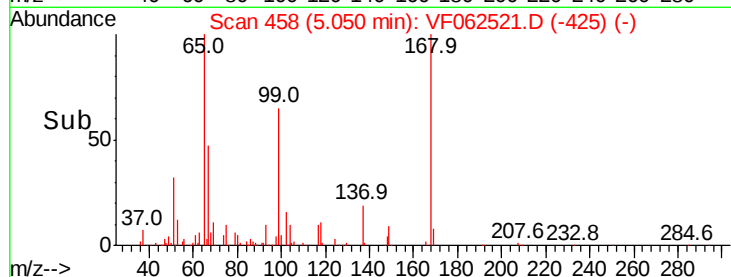
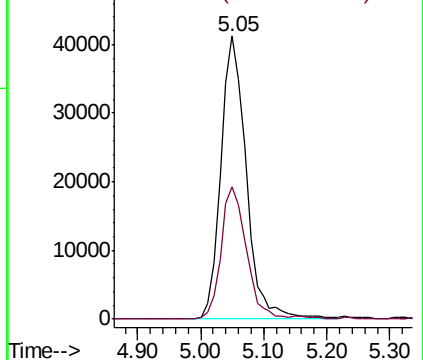
65 100

67 47.1 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062521.D

Acq: 13 May 2019 1:04

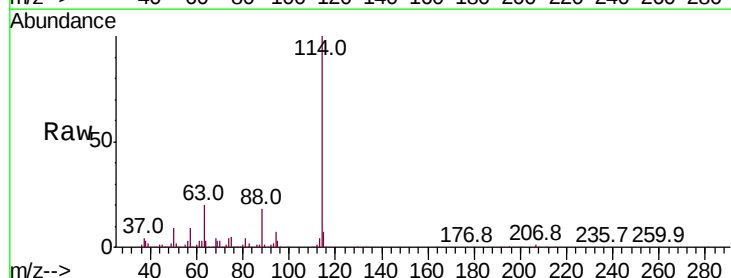
Tgt Ion:114 Resp: 411430

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

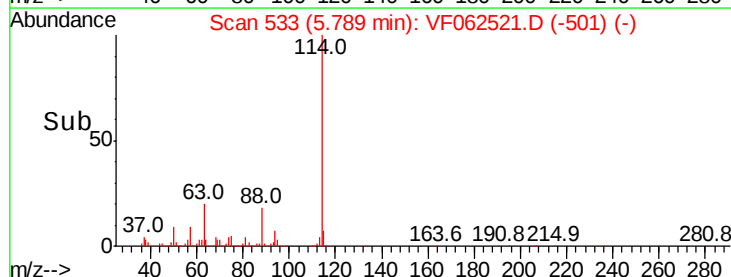
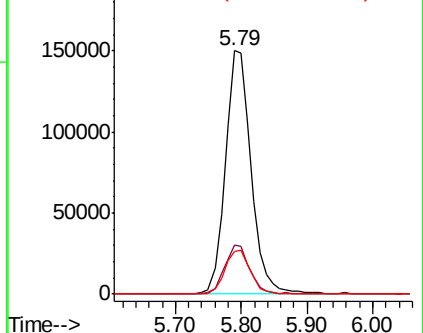
88 17.7 0.0 36.4

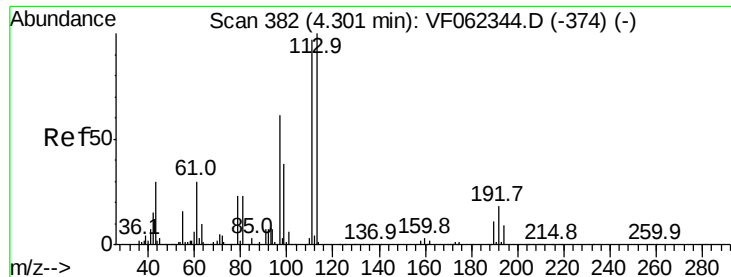


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 43.850 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062521.D

Acq: 13 May 2019 1:04

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0206-01

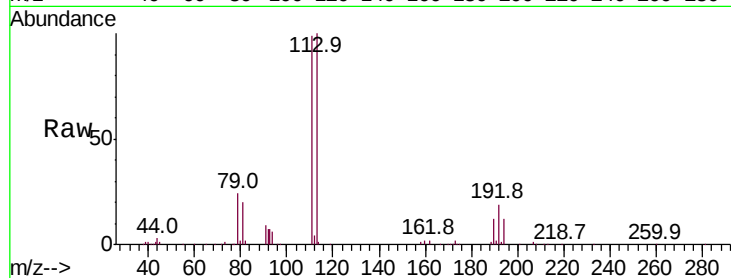
Tot Ion:113 Resp: 143730

Ion Ratio Lower Upper

113 100

111 101.2 79.4 119.0

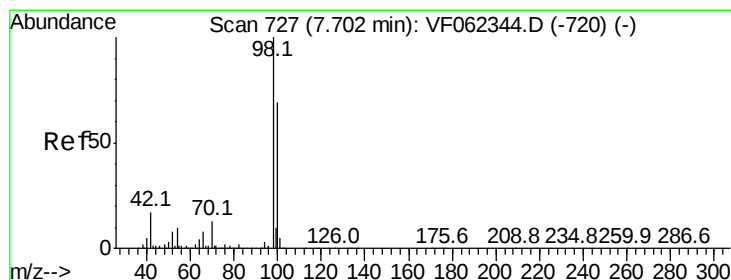
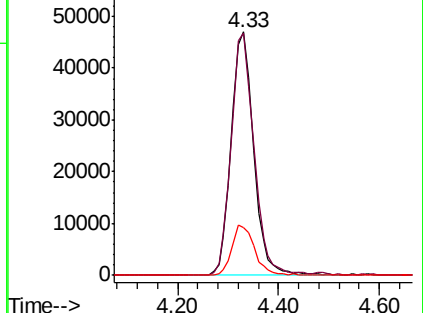
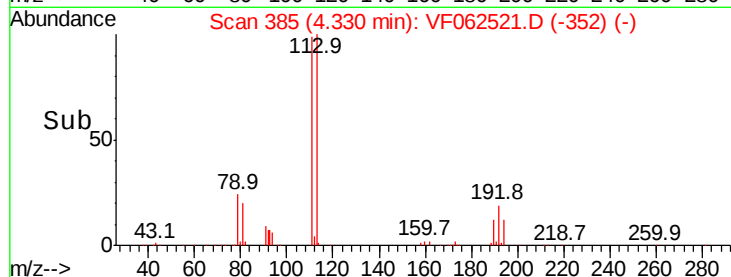
192 20.6 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 37.613 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.03 min

Lab File: VF062521.D

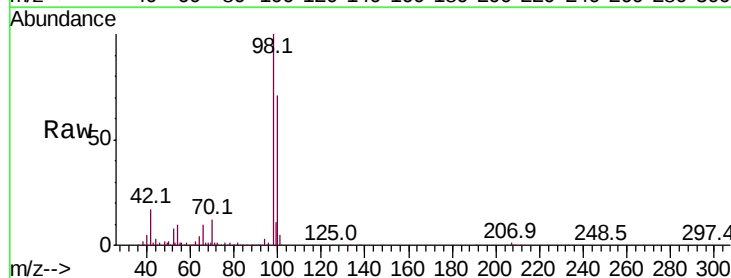
Acq: 13 May 2019 1:04

Tgt Ion: 98 Resp: 298436

Ion Ratio Lower Upper

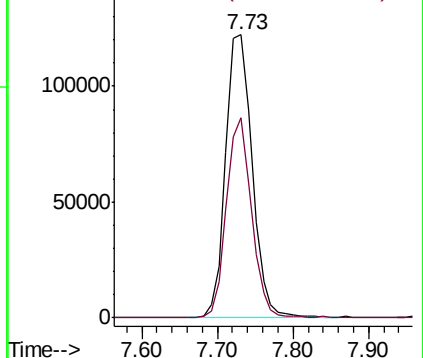
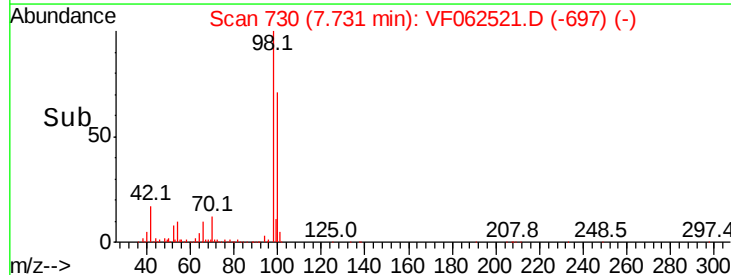
98 100

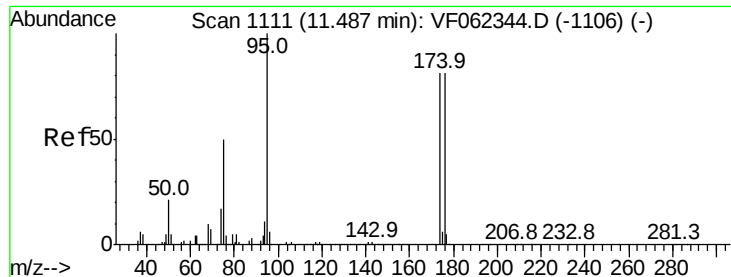
100 66.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 32.848 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062521.D

Acq: 13 May 2019 1:04

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0206-01

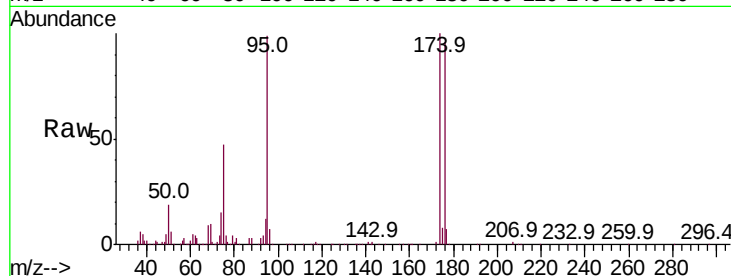
Tot Ion: 95 Resp: 117585

Ion Ratio Lower Upper

95 100

174 98.7 0.0 191.8

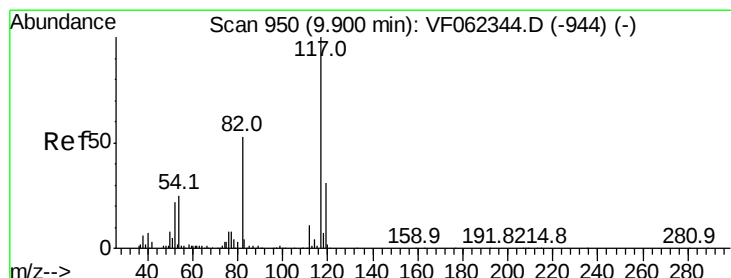
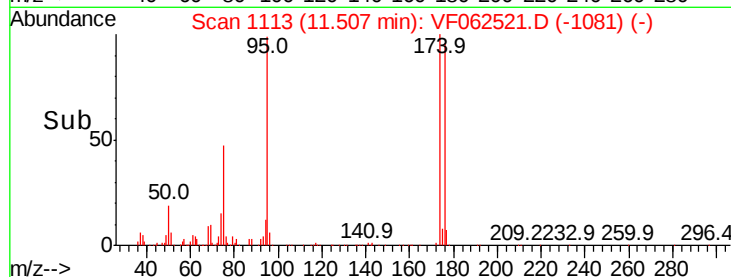
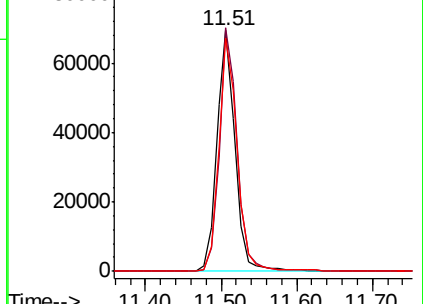
176 97.6 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): VF0

Ion 175.80 (175.50 to 176.50): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. 0.03 min

Lab File: VF062521.D

Acq: 13 May 2019 1:04

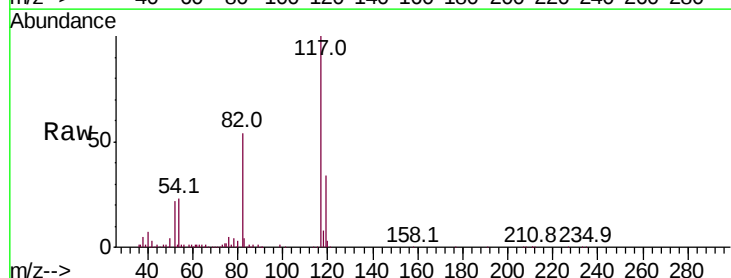
Tgt Ion: 117 Resp: 322547

Ion Ratio Lower Upper

117 100

82 53.5 42.2 63.2

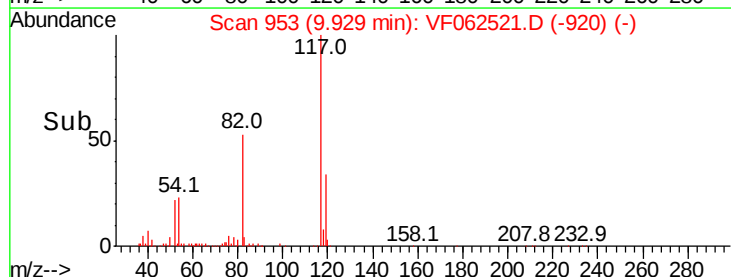
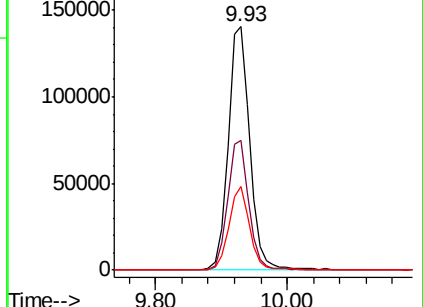
119 34.1 25.0 37.4

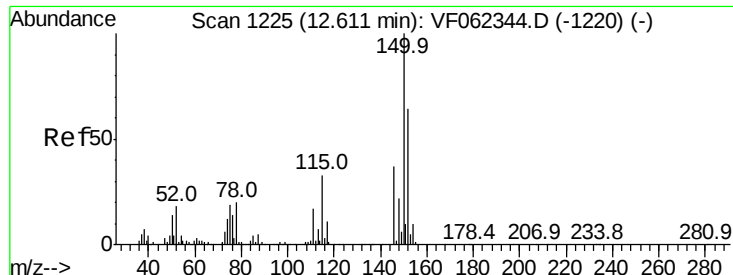


Abundance Ion 116.90 (116.60 to 117.60): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062521.D

Acq: 13 May 2019 1:04

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-0206-01

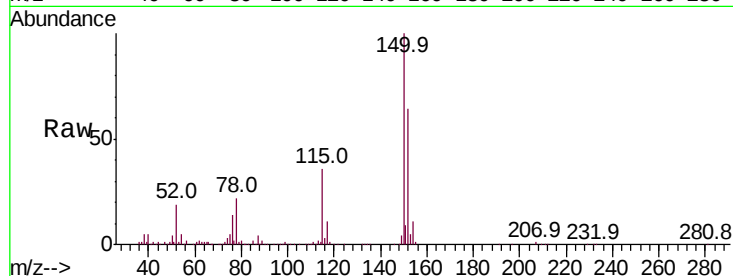
Tot Ion:152 Resp: 169119

Ion Ratio Lower Upper

152 100

115 54.7 26.4 79.2

150 154.7 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

