

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062567.D
 Acq On : 14 May 2019 4:31
 Operator : FY/SY
 Sample : K2756-15
 Misc : 5.53g/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS007-1824-01

Quant Time: May 14 08:31:53 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	5.08	168	302667	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	419386	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	338958	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	191958	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	118760	41.52	ug/l	0.04
Spiked Amount 50.000			Recovery	=	83.04%	
35) Dibromofluoromethane	4.34	113	143089	42.83	ug/l	0.04
Spiked Amount 50.000			Recovery	=	85.66%	
50) Toluene-d8	7.73	98	321414	39.74	ug/l	0.03
Spiked Amount 50.000			Recovery	=	79.48%	
62) 4-Bromofluorobenzene	11.51	95	132035	36.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.36%	

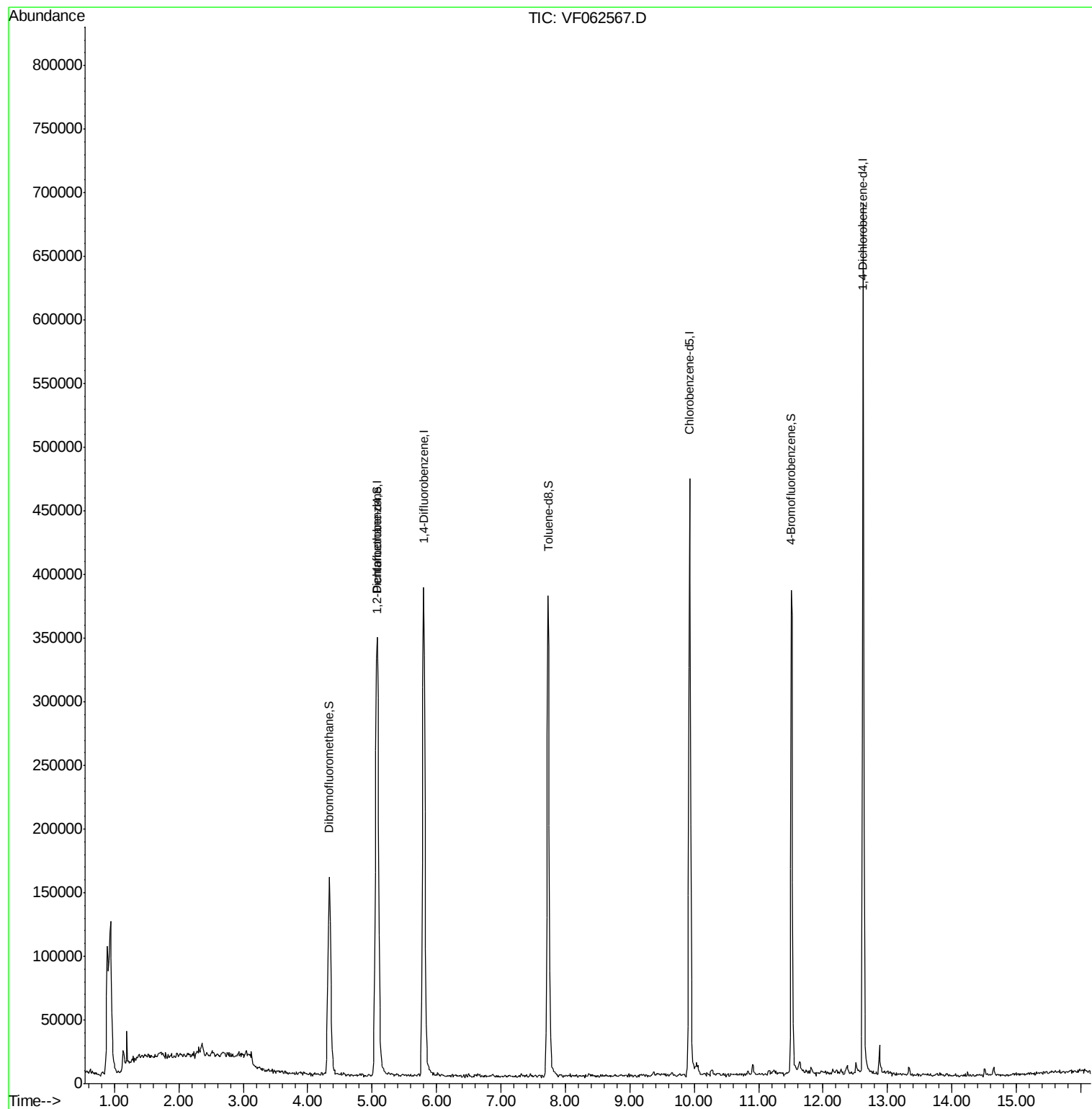
Target Compounds	Qvalue
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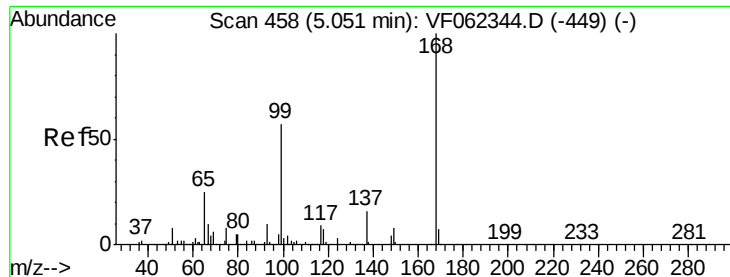
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.03 min

Lab File: VF062567.D

Acq: 14 May 2019 4:31

Instrument :

MSVOA_F

ClientSampleId :

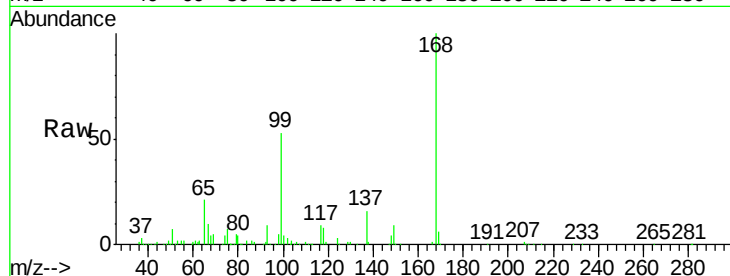
P021-SS007-1824-01

Tot Ion:168 Resp: 302667

Ion Ratio Lower Upper

168 100

99 53.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.08

120000

100000

80000

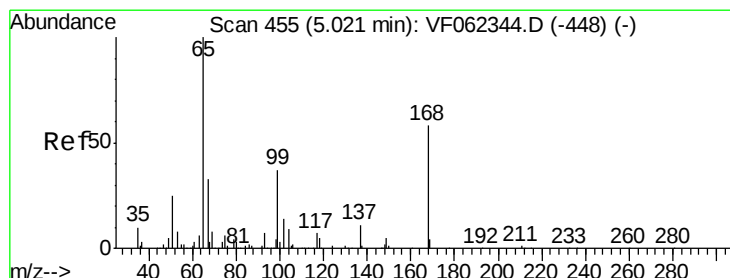
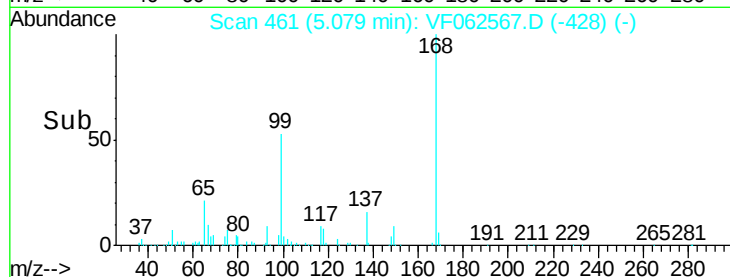
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#33

1,2-Dichloroethane-d4

Concen: 41.520 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.04 min

Lab File: VF062567.D

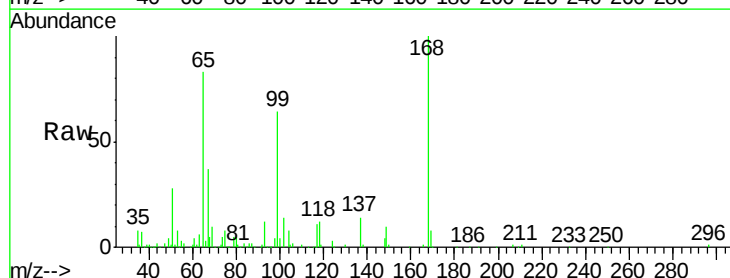
Acq: 14 May 2019 4:31

Tgt Ion: 65 Resp: 118760

Ion Ratio Lower Upper

65 100

67 46.7 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.06

40000

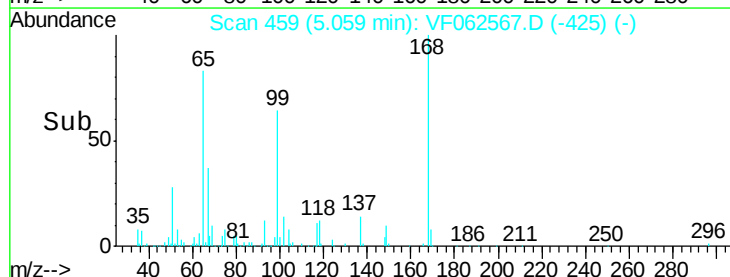
30000

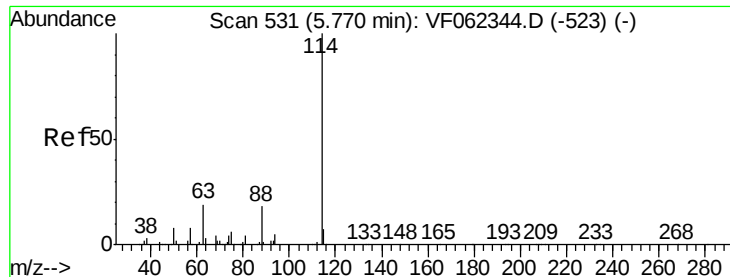
20000

10000

0

Time--> 5.00 5.20 5.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.03 min

Lab File: VF062567.D

Acq: 14 May 2019 4:31

Instrument :

MSVOA_F

ClientSampleId :

P021-SS007-1824-01

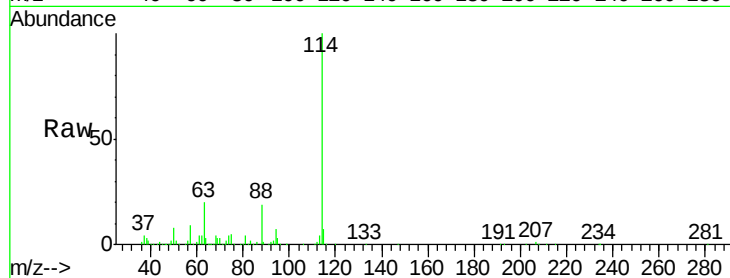
Tot Ion:114 Resp: 419386

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 18.5 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

200000

150000

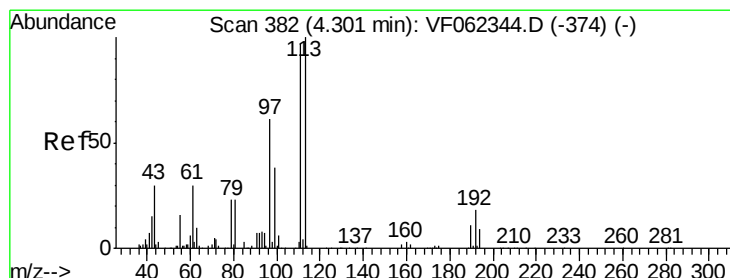
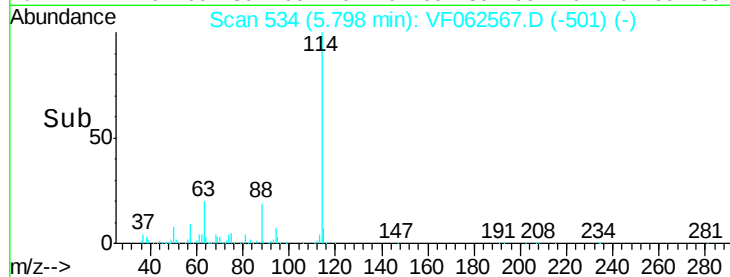
100000

50000

0

5.60 5.70 5.80 5.90 6.00

Time-->



#35

Dibromofluoromethane

Concen: 42.826 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.04 min

Lab File: VF062567.D

Acq: 14 May 2019 4:31

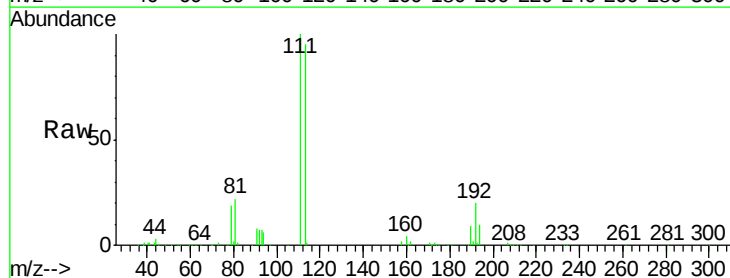
Tgt Ion:113 Resp: 143089

Ion Ratio Lower Upper

113 100

111 102.2 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

60000

50000

40000

30000

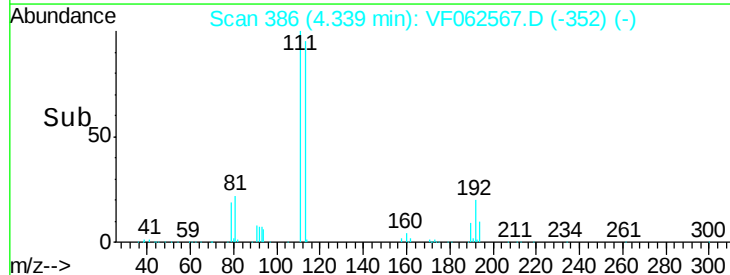
20000

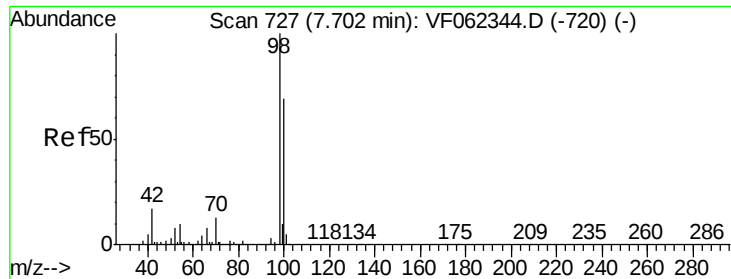
10000

0

4.20 4.30 4.40 4.50

Time-->





#50

Toluene-d8

Concen: 39.740 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.03 min

Lab File: VF062567.D

Acq: 14 May 2019 4:31

Instrument :

MSVOA_F

ClientSampleId :

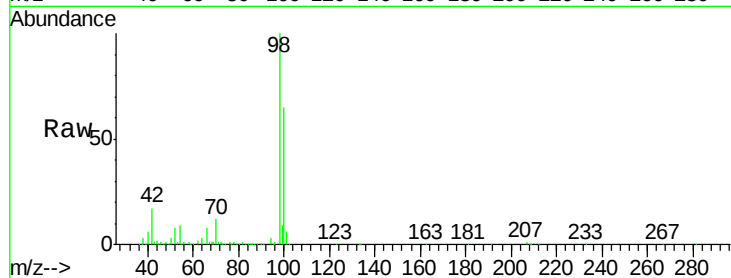
P021-SS007-1824-01

Tot Ion: 98 Resp: 321414

Ion Ratio Lower Upper

98 100

100 66.0 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.73

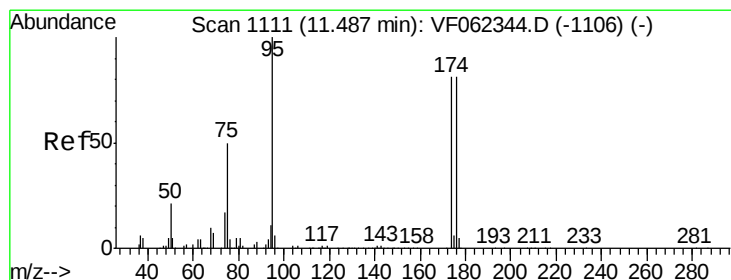
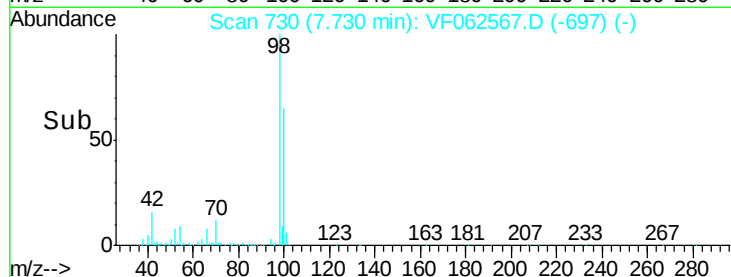
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 36.185 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062567.D

Acq: 14 May 2019 4:31

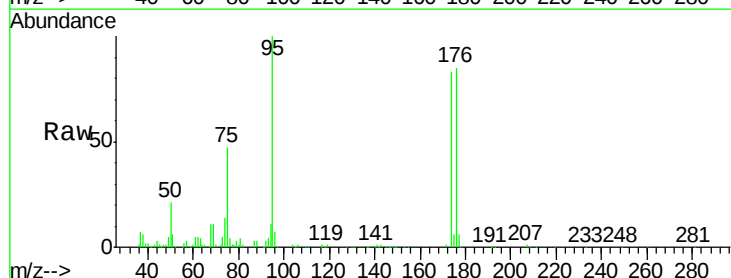
Tgt Ion: 95 Resp: 132035

Ion Ratio Lower Upper

95 100

174 98.5 0.0 191.8

176 96.5 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.51

100000

80000

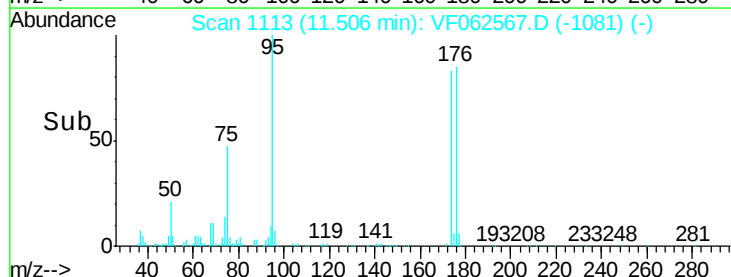
60000

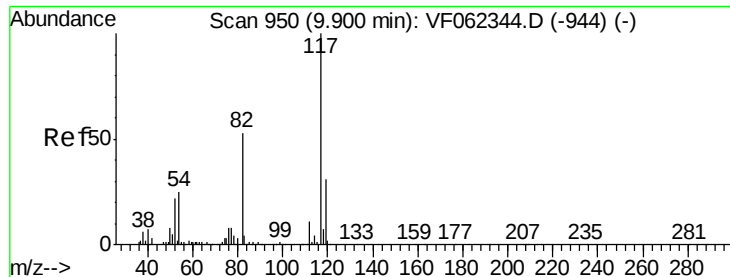
40000

20000

0

Time-->

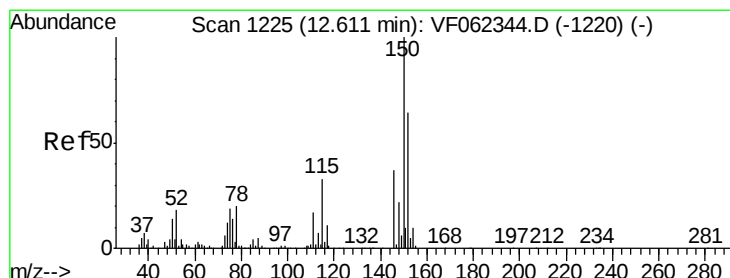
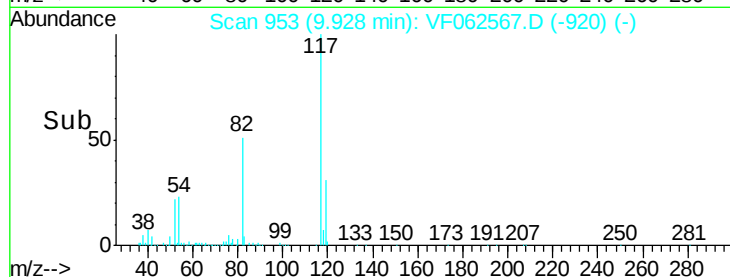
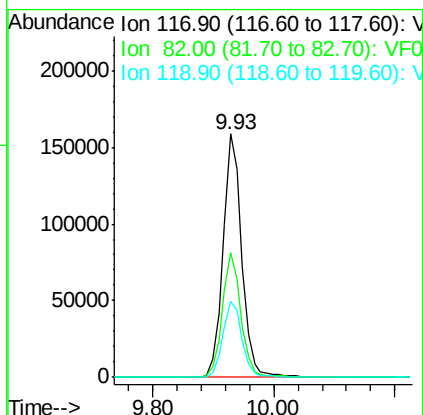
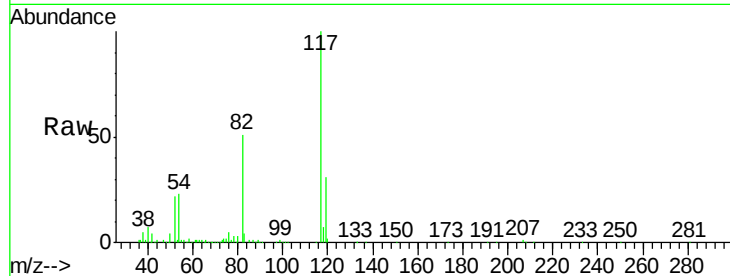




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062567.D
Acq: 14 May 2019 4:31

Instrument :
MSVOA_F
ClientSampleId :
P021-SS007-1824-01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.2	63.2
119	31.4	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062567.D
Acq: 14 May 2019 4:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	26.4	79.2
150	150.4	0.0	335.0

