

Data File : VF062462.D
Acq On : 11 May 2019 16:12
Operator : FY/SY
Sample : K2729-02
Misc : 6.44g/5mL/MSVOA_F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
B-3

Quant Time: May 12 04:23:38 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

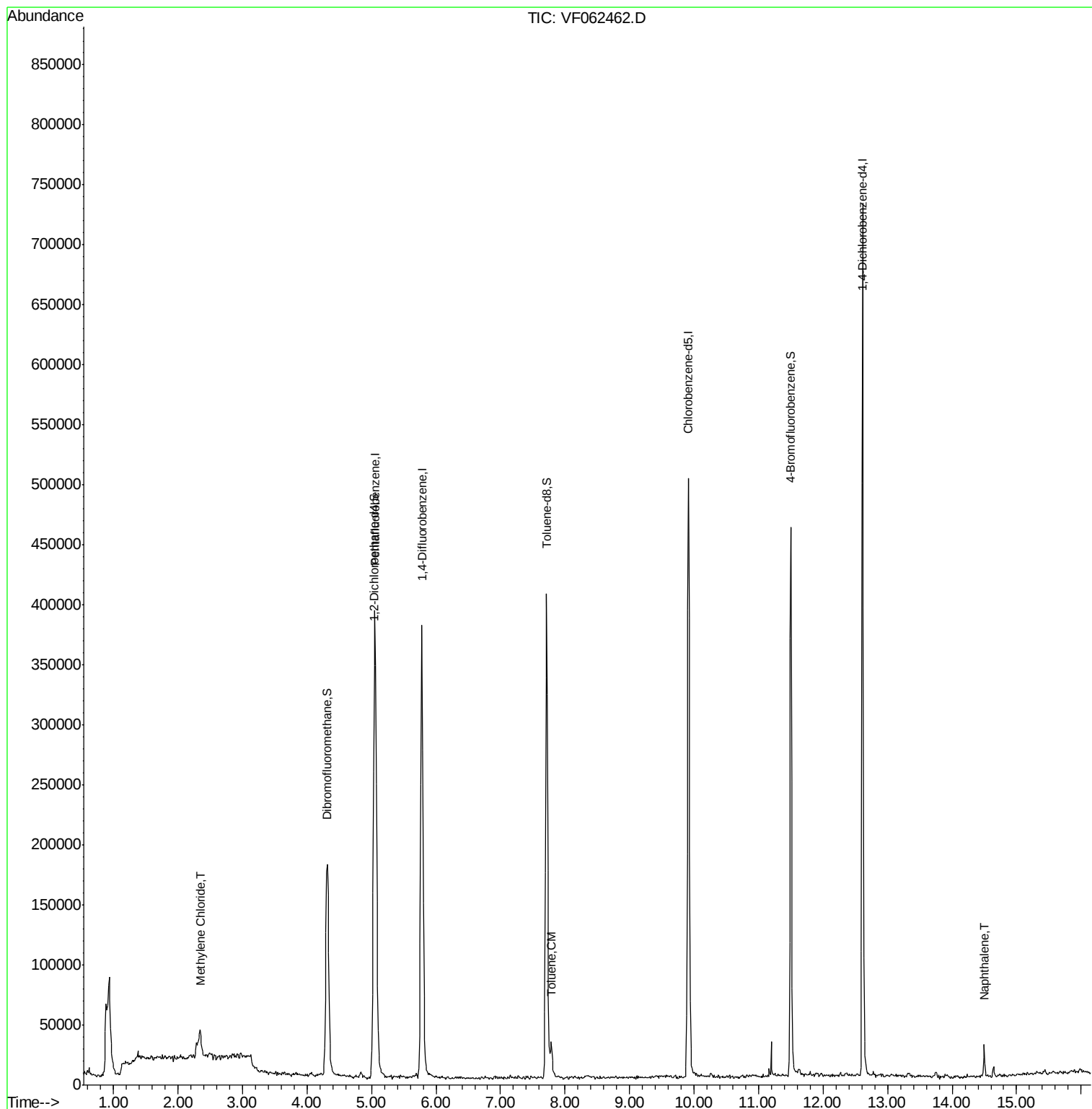
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	320496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	426393	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	351651	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	189490	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	145988	48.20	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.40%	
35) Dibromofluoromethane	4.31	113	163181	48.04	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.08%	
50) Toluene-d8	7.71	98	337798	41.08	ug/l	0.01
Spiked Amount 50.000			Recovery	=	82.16%	
62) 4-Bromofluorobenzene	11.50	95	146065	39.37	ug/l	0.01
Spiked Amount 50.000			Recovery	=	78.74%	
Target Compounds						
20) Methylene Chloride	2.33	84	17733	7.999	ug/l #	88
52) Toluene	7.78	92	12840	2.580	ug/l	98
95) Naphthalene	14.50	128	16295	2.319	ug/l	97

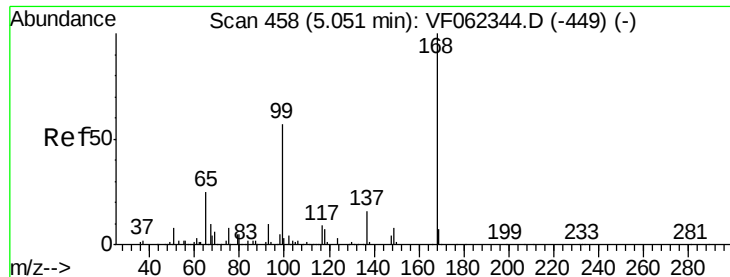
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

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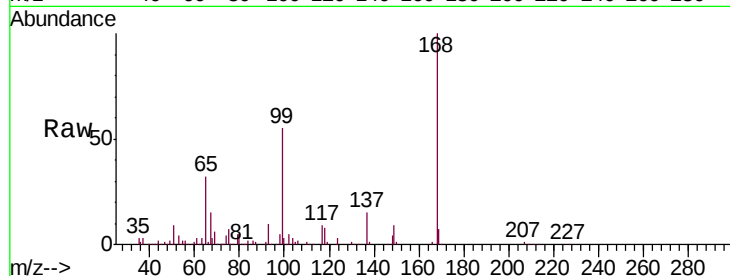
B-3

Tgt Ion:168 Resp: 320496

Ion Ratio Lower Upper

168 100

99 55.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

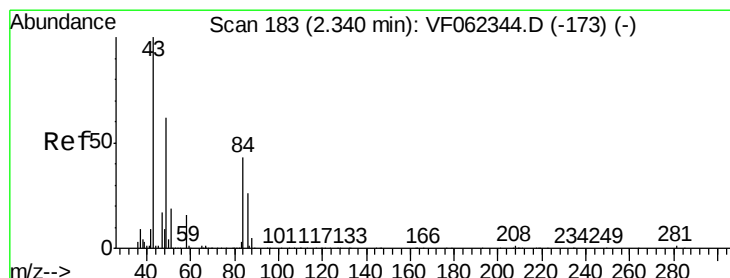
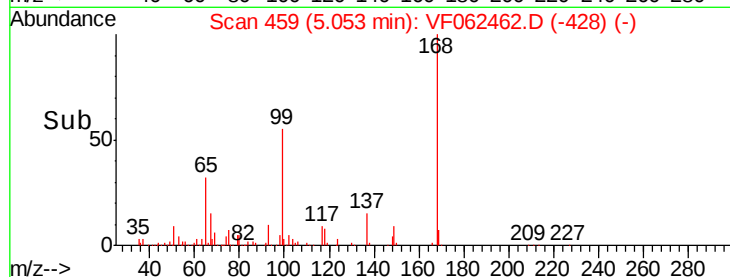
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 7.999 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062462.D

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Tgt Ion: 84 Resp: 17733

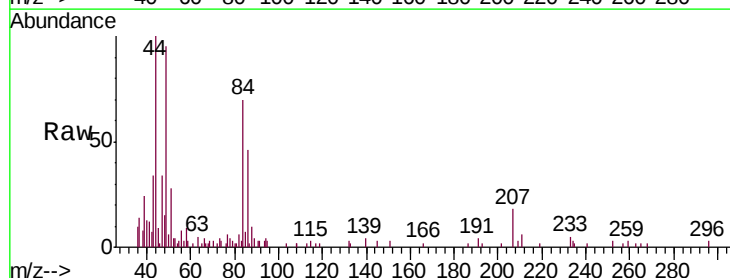
Ion Ratio Lower Upper

84 100

49 129.9 117.5 176.3

51 36.3 37.0 55.4#

86 65.9 49.3 73.9



Abundance Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0

8000

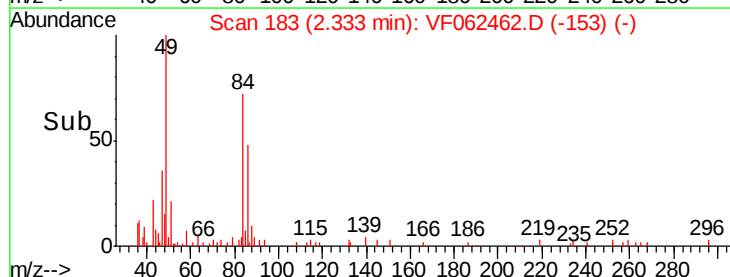
6000

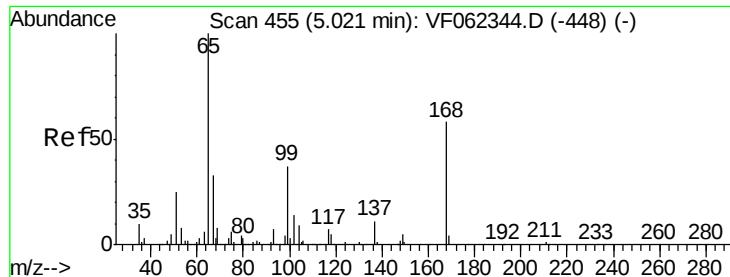
4000

2000

0

Time--> 2.20 2.30 2.40 2.50

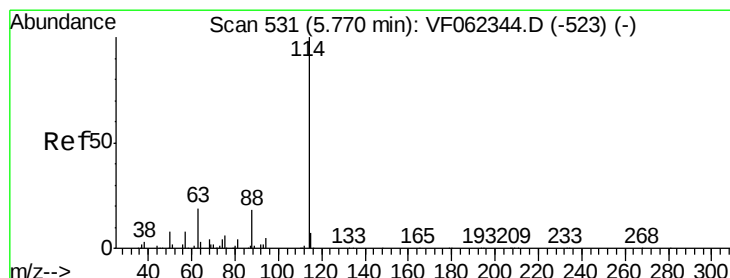
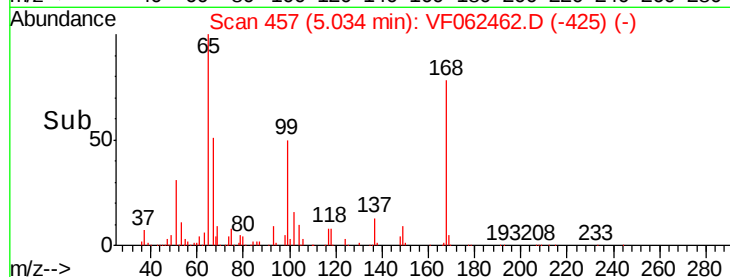
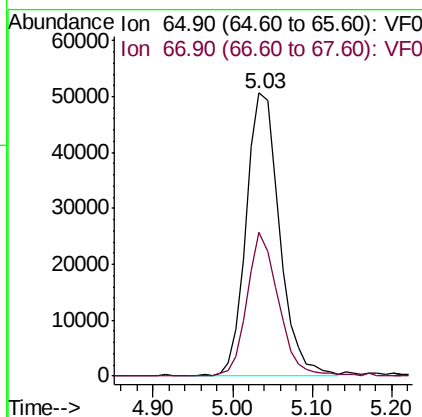
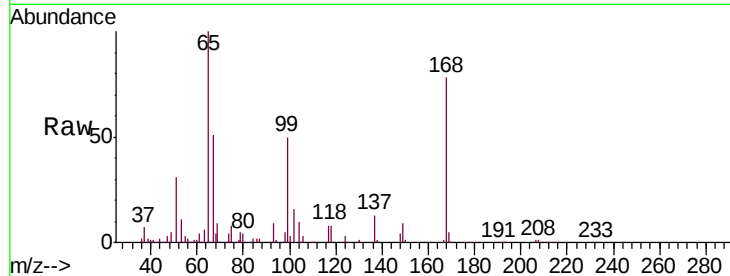




#33
 1,2-Dichloroethane-d4
 Concen: 48.200 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VF062462.D
 Acq: 11 May 2019 16:12

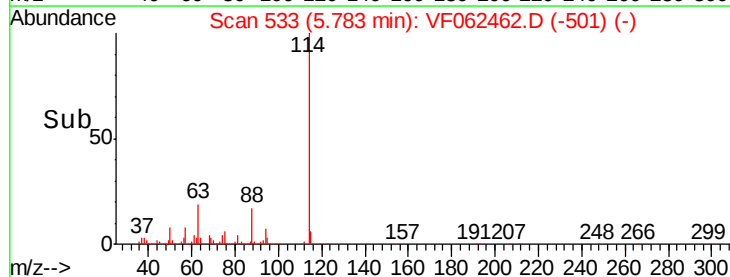
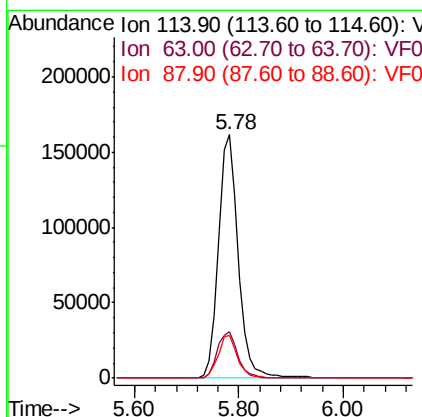
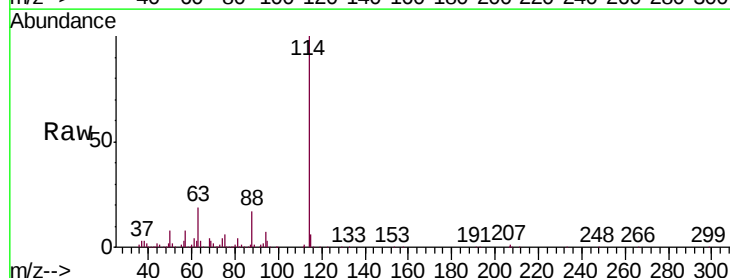
Instrument :
 MSVOA_F
 ClientSampleId :
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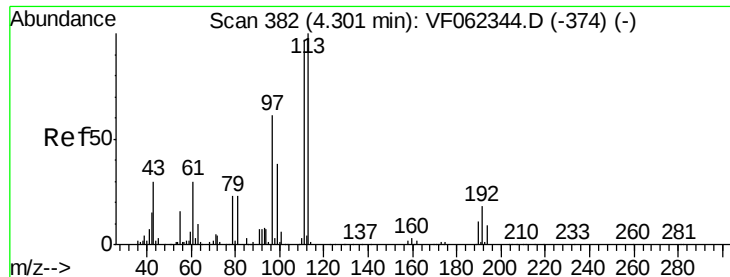
Tgt Ion: 65 Resp: 145988
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062462.D
 Acq: 11 May 2019 16:12

Tgt Ion: 114 Resp: 426393
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.4
 88 17.5 0.0 36.4

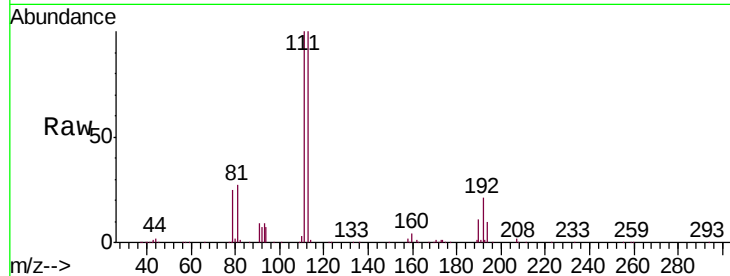




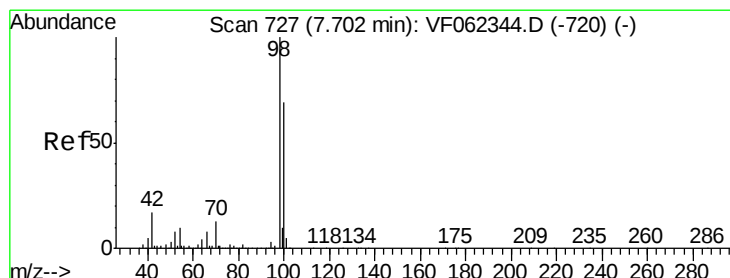
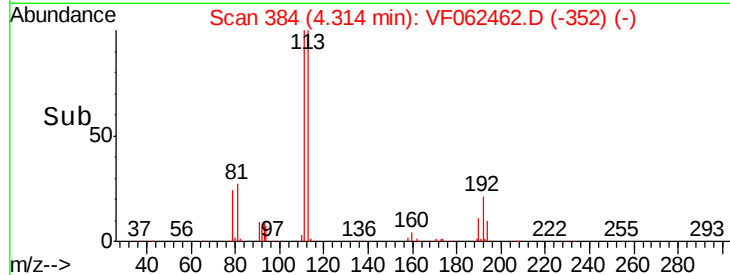
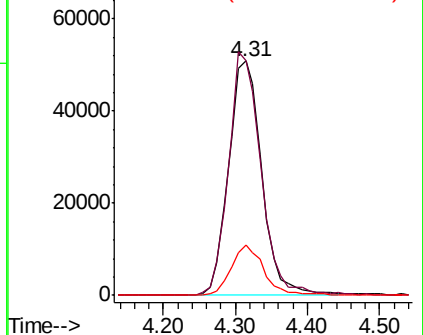
#35
 Dibromofluoromethane
 Concen: 48.037 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062462.D
 Acq: 11 May 2019 16:12

Instrument :
 MSVOA_F
 ClientSampleId :
 B-3

Tgt Ion: 113 Resp: 163181
 Ion Ratio Lower Upper
 113 100
 111 101.9 79.4 119.0
 192 20.8 16.0 24.0

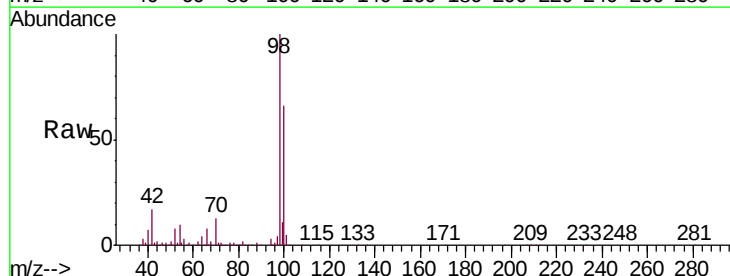


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

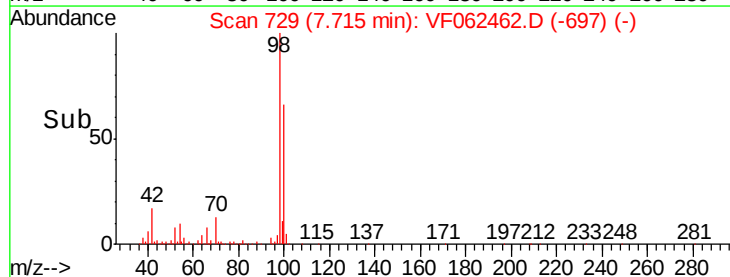
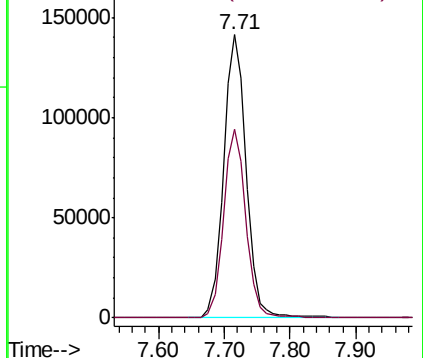


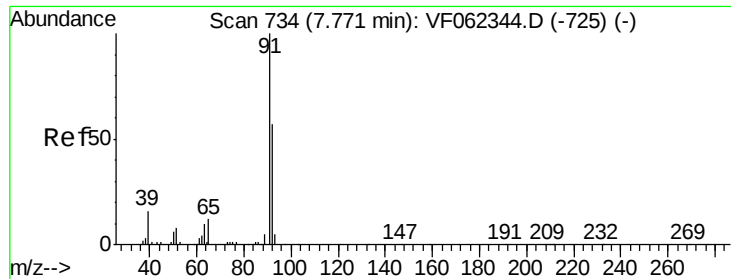
#50
 Toluene-d8
 Concen: 41.080 ug/l
 RT: 7.71 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VF062462.D
 Acq: 11 May 2019 16:12

Tgt Ion: 98 Resp: 337798
 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





#52

Toluene

Concen: 2.580 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062462.D

Acq: 11 May 2019 16:12

Instrument :

MSVOA_F

ClientSampleId :

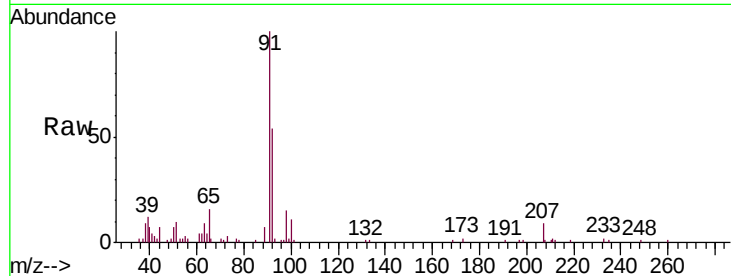
B-3

Tgt Ion: 92 Resp: 12840

Ion Ratio Lower Upper

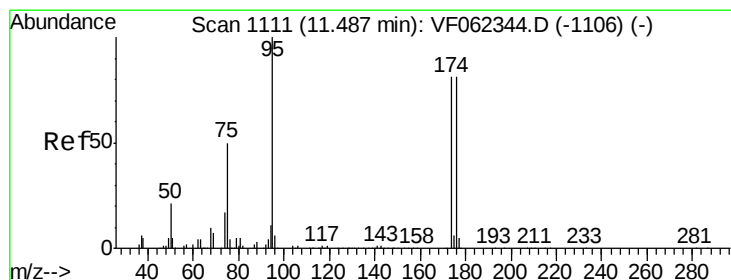
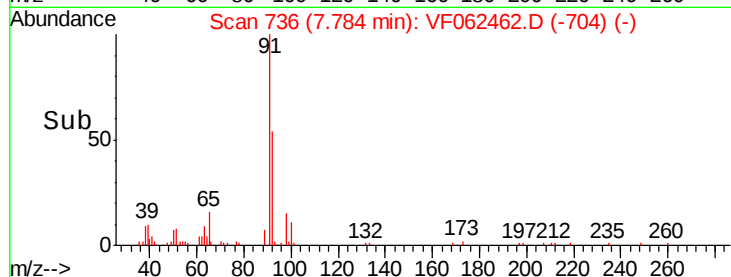
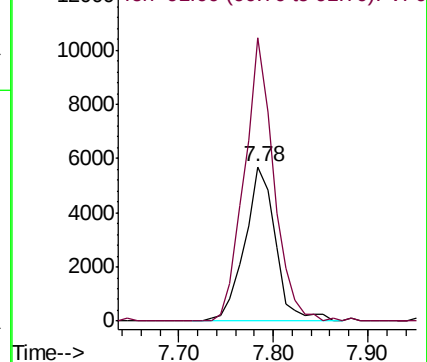
92 100

91 176.2 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 39.372 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062462.D

Acq: 11 May 2019 16:12

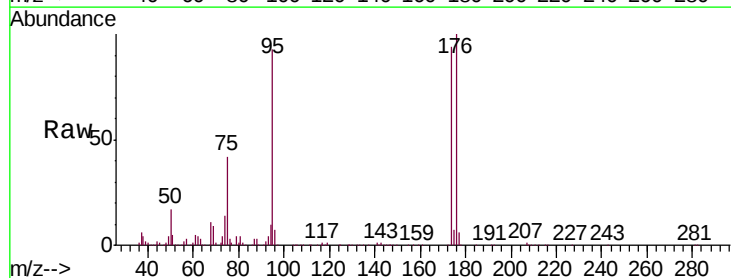
Tgt Ion: 95 Resp: 146065

Ion Ratio Lower Upper

95 100

174 99.4 0.0 191.8

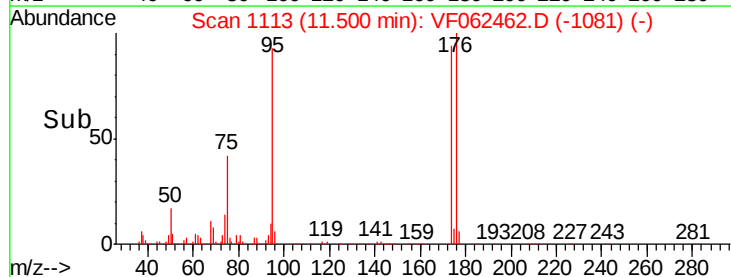
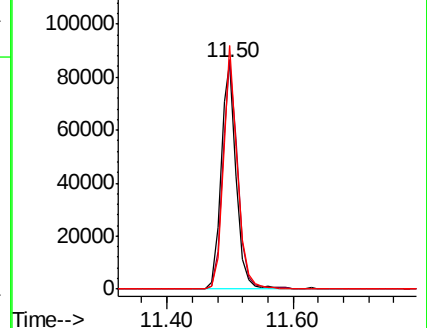
176 98.9 0.0 193.2

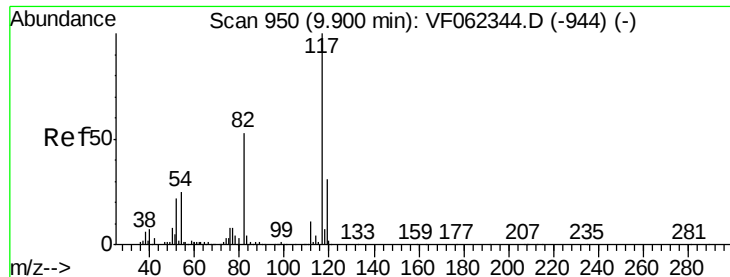


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

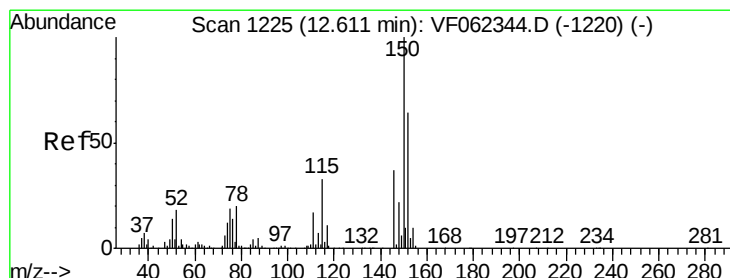
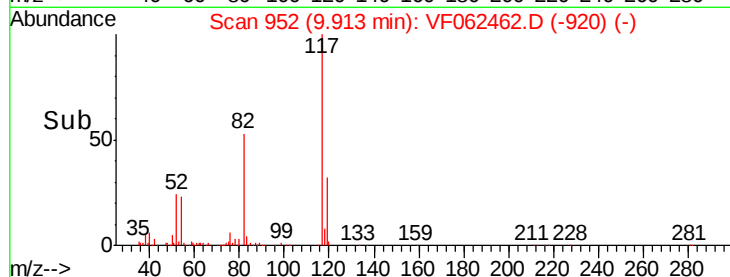
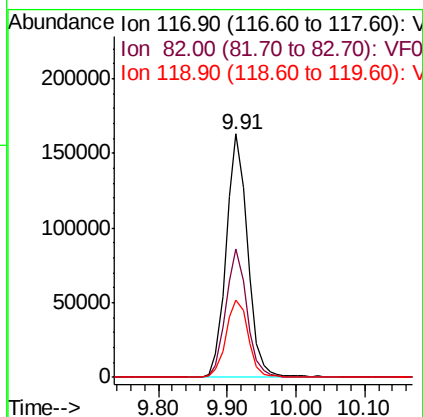
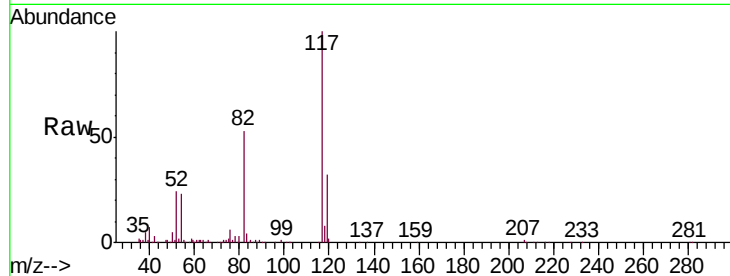




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062462.D
Acq: 11 May 2019 16:12

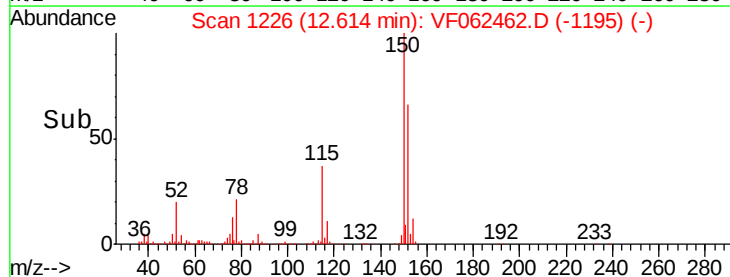
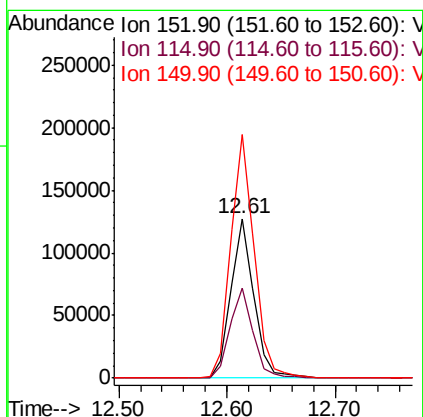
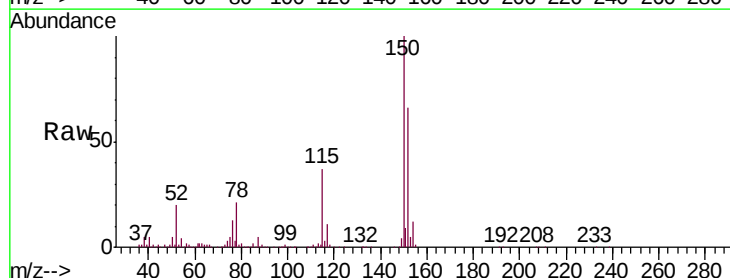
Instrument :
MSVOA_F
ClientSampleId :
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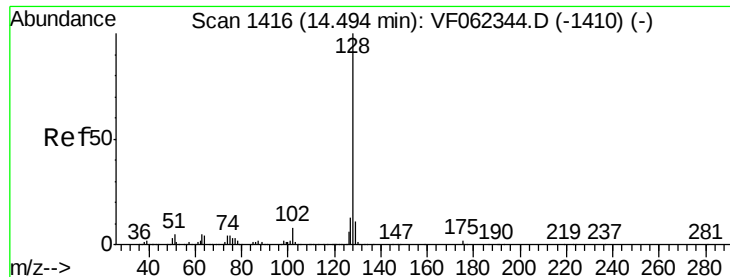
Tgt Ion	Resp	Lower	Upper
117	351651		
82	52.7	42.2	63.2
119	31.9	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062462.D
Acq: 11 May 2019 16:12

Tgt Ion	Resp	Lower	Upper
152	189490		
115	57.0	26.4	79.2
150	155.5	0.0	335.0





#95

Naphthalene

Concen: 2.319 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062462.D

Acq: 11 May 2019 16:12

Instrument :

MSVOA_F

ClientSampleId :

B-3

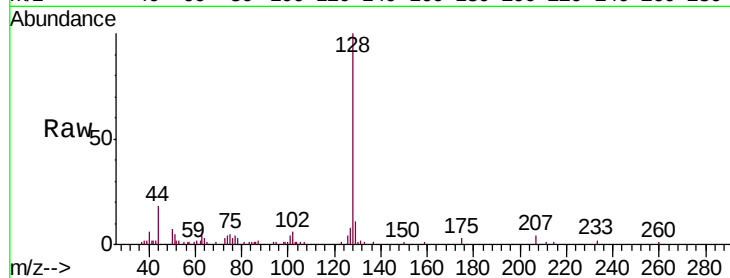
Tgt Ion:128 Resp: 16295

Ion Ratio Lower Upper

128 100

127 10.8 10.5 15.7

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

