

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062548.D
 Acq On : 13 May 2019 18:15
 Operator : FY/SY
 Sample : K2734-07RE
 Misc : 5.87g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P026-SS012-0206-01RE

Quant Time: May 14 07:44:19 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

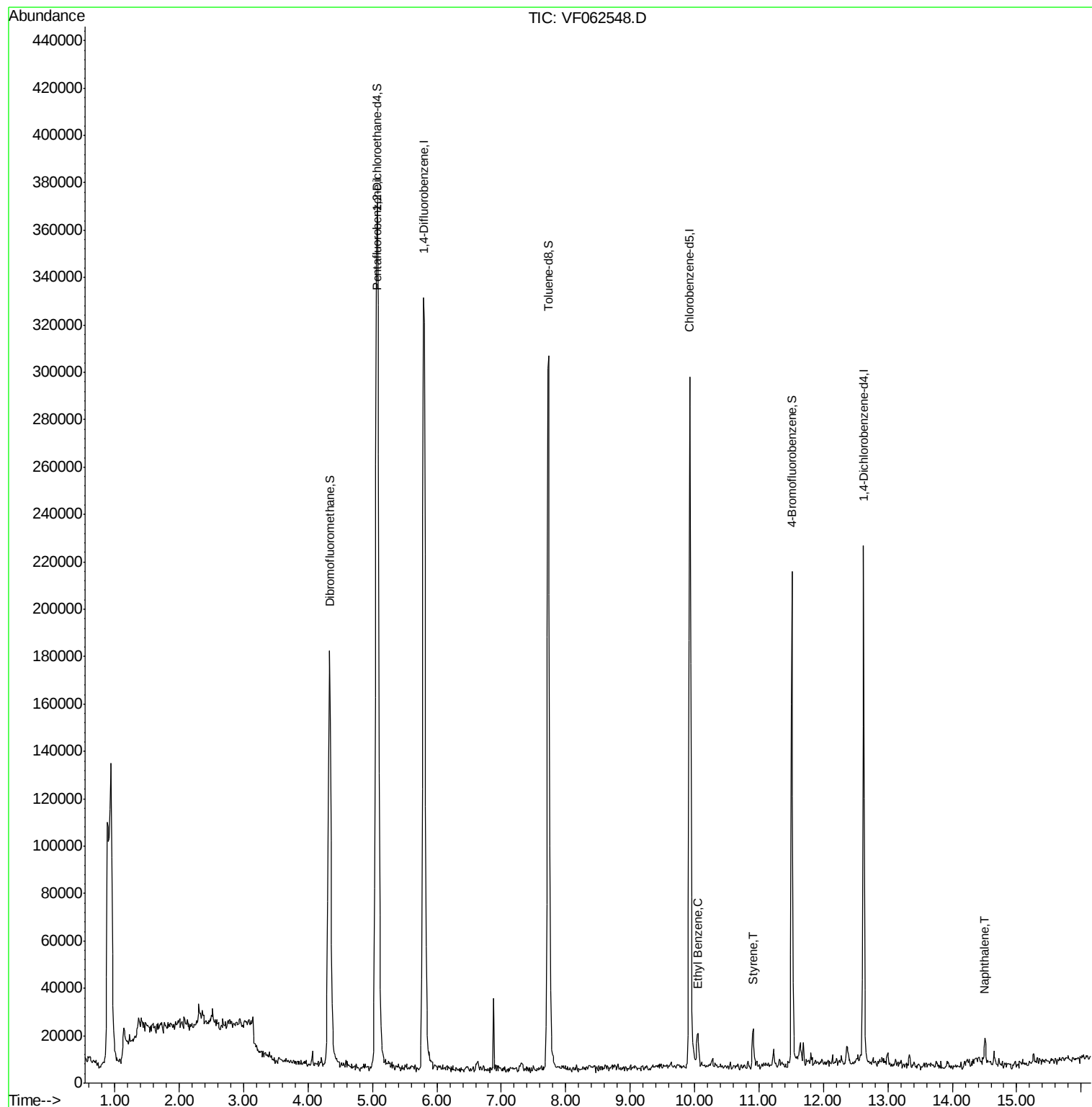
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	309437	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	371290	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	222154	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	57045	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	137603	47.05	ug/l	0.03
Spiked Amount 50.000			Recovery	=	94.10%	
35) Dibromofluoromethane	4.33	113	161786	54.69	ug/l	0.03
Spiked Amount 50.000			Recovery	=	109.38%	
50) Toluene-d8	7.73	98	260921	36.44	ug/l	0.03
Spiked Amount 50.000			Recovery	=	72.88%	
62) 4-Bromofluorobenzene	11.51	95	66478	20.58	ug/l	0.02
Spiked Amount 50.000			Recovery	=	41.16%	
Target Compounds						
67) Ethyl Benzene	10.05	91	11199	1.740	ug/l #	84
70) Styrene	10.91	104	7976	2.074	ug/l	98
95) Naphthalene	14.51	128	2618	1.237	ug/l #	93

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 462

Delta R.T. 0.03 min

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ClientSampleId :

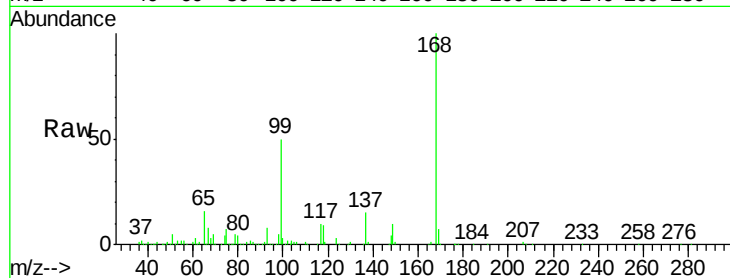
P026-SS012-0206-01RE

Tot Ion:168 Resp: 309437

Ion Ratio Lower Upper

168 100

99 50.2 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

100000

80000

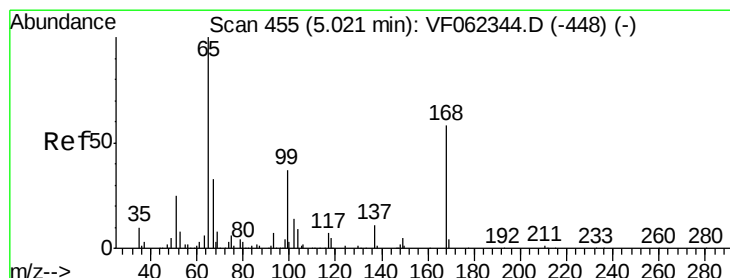
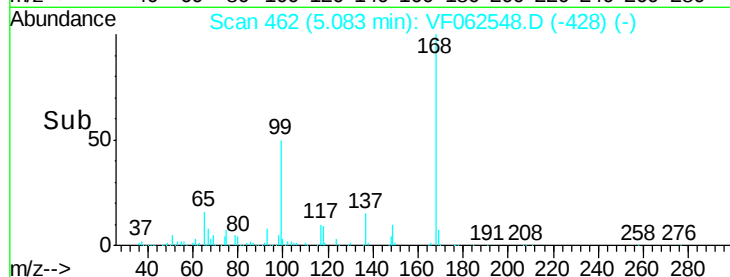
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#33

1,2-Dichloroethane-d4

Concen: 47.055 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062548.D

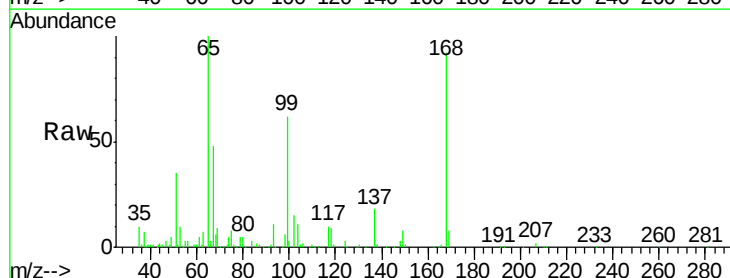
Acq: 13 May 2019 18:15

Tgt Ion: 65 Resp: 137603

Ion Ratio Lower Upper

65 100

67 46.2 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.05

50000

40000

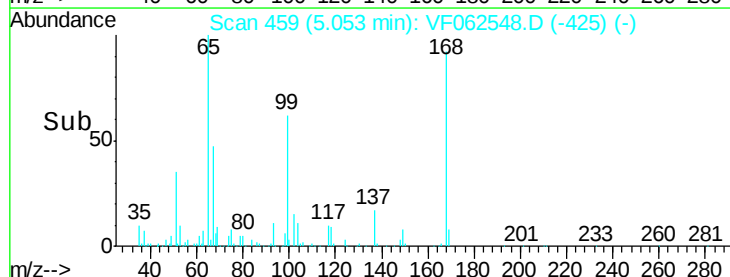
30000

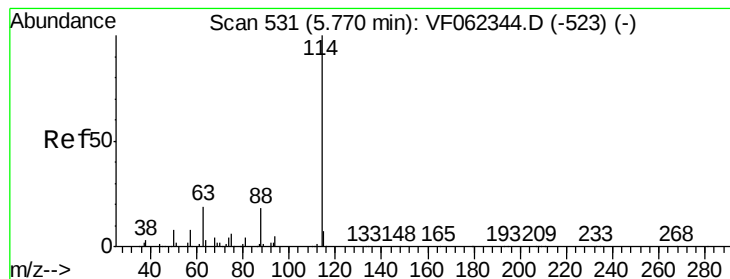
20000

10000

0

Time--> 4.90 5.00 5.10 5.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 535

Delta R.T. 0.03 min

Lab File: VF062548.D

Acq: 13 May 2019 18:15

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0206-01RE

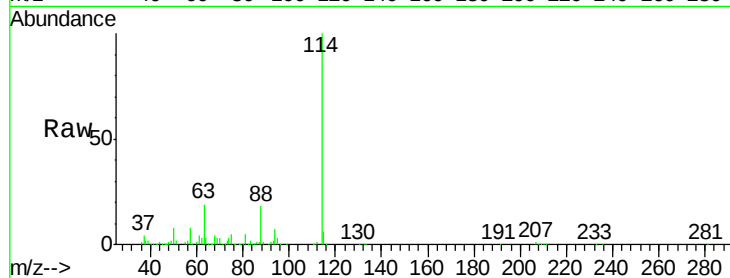
Tot Ion:114 Resp: 371290

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.4

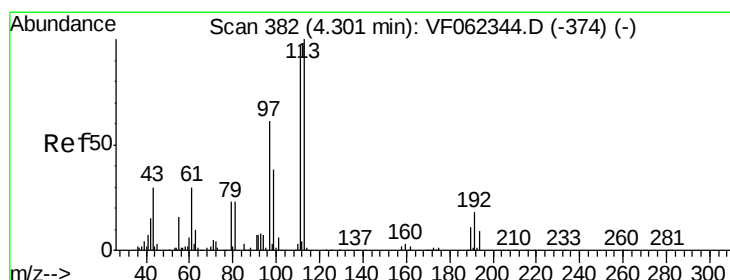
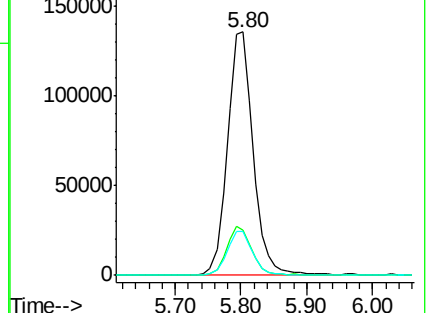
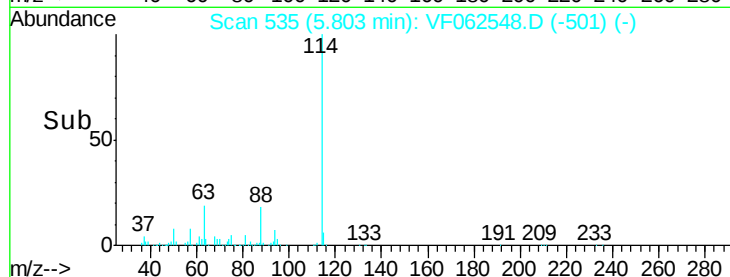
88 17.9 0.0 36.4



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: 54.694 ug/l

RT: 4.33 min Scan# 386

Delta R.T. 0.03 min

Lab File: VF062548.D

Acq: 13 May 2019 18:15

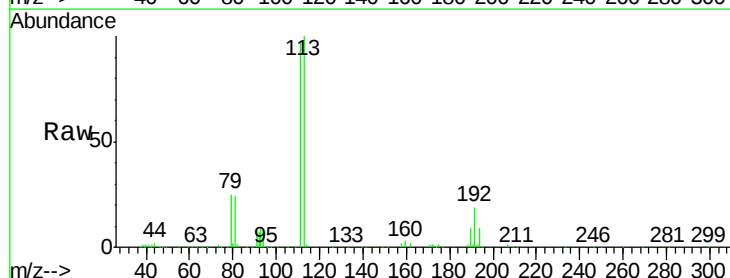
Tgt Ion:113 Resp: 161786

Ion Ratio Lower Upper

113 100

111 100.2 79.4 119.0

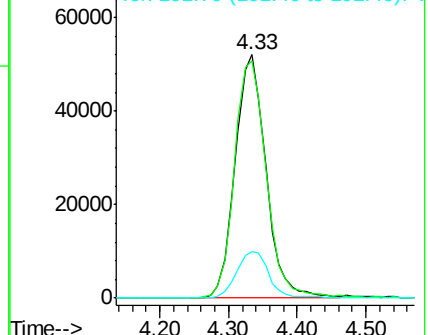
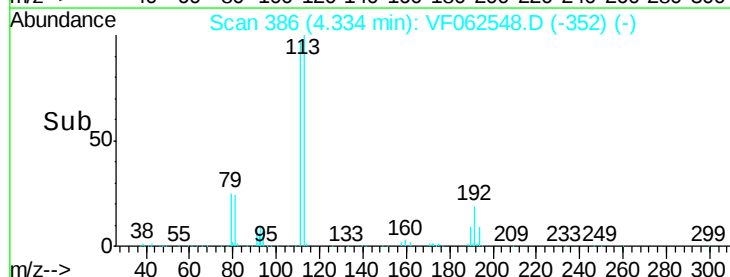
192 20.1 16.0 24.0

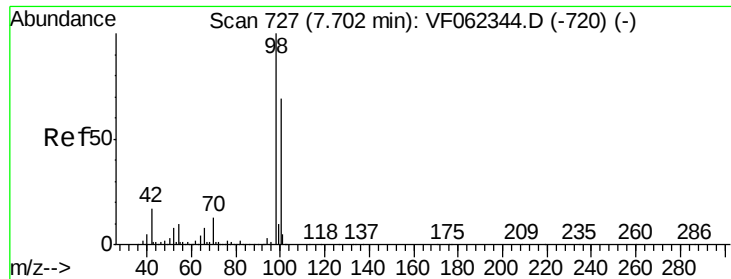


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 36.440 ug/l

RT: 7.73 min Scan# 731

Delta R.T. 0.03 min

Lab File: VF062548.D

Acq: 13 May 2019 18:15

Instrument :

MSVOA_F

ClientSampleId :

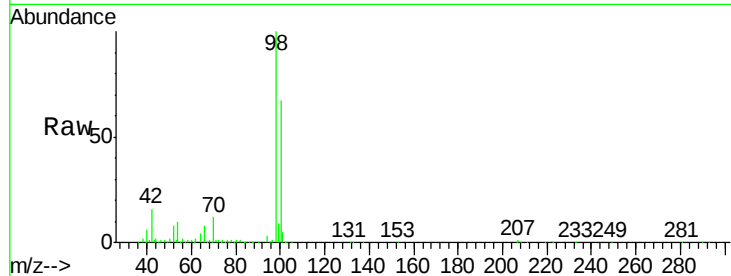
P026-SS012-0206-01RE

Tot Ion: 98 Resp: 260921

Ion Ratio Lower Upper

98 100

100 66.1 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

120000

100000

80000

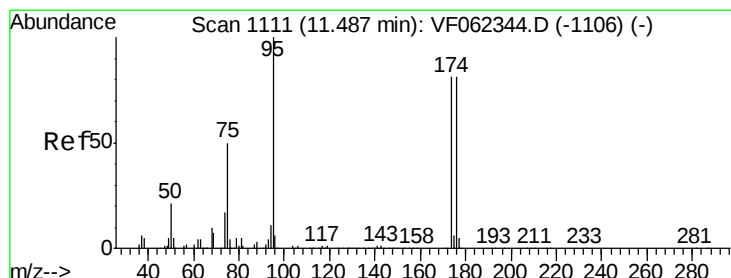
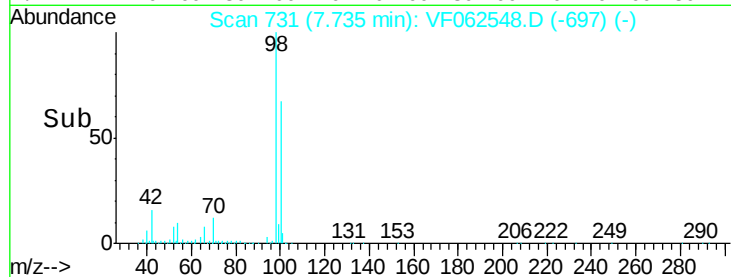
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.578 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VF062548.D

Acq: 13 May 2019 18:15

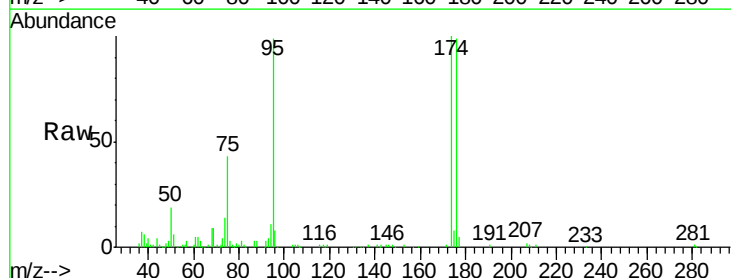
Tgt Ion: 95 Resp: 66478

Ion Ratio Lower Upper

95 100

174 98.8 0.0 191.8

176 96.2 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

50000

40000

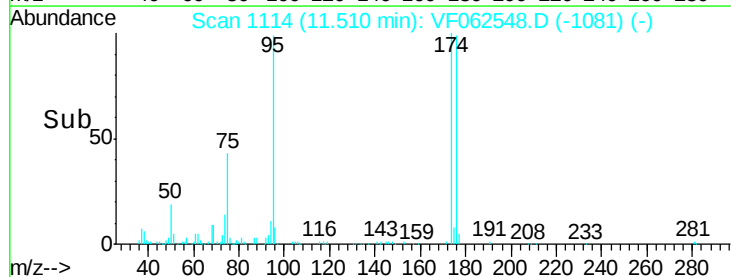
30000

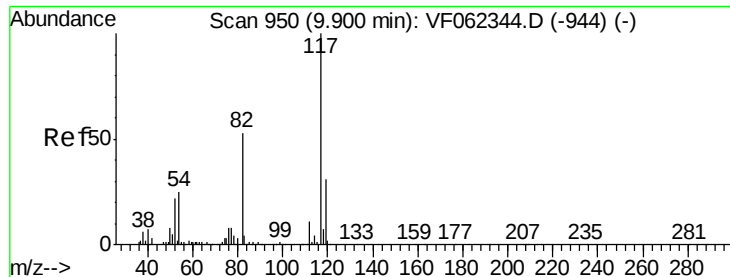
20000

10000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.03 min

Lab File: VF062548.D

Acq: 13 May 2019 18:15

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0206-01RE

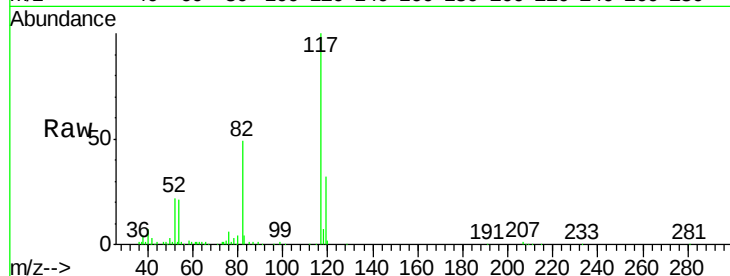
Tot Ion:117 Resp: 222154

Ion Ratio Lower Upper

117 100

82 49.2 42.2 63.2

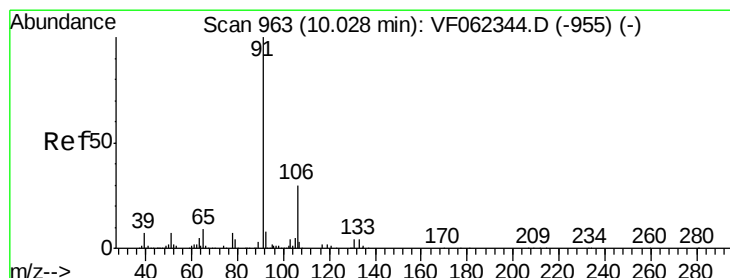
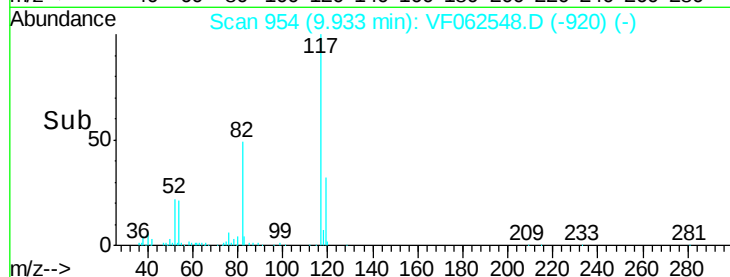
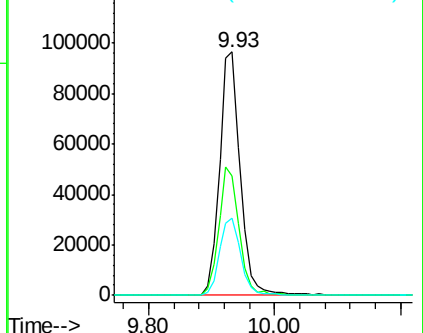
119 31.7 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.740 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF062548.D

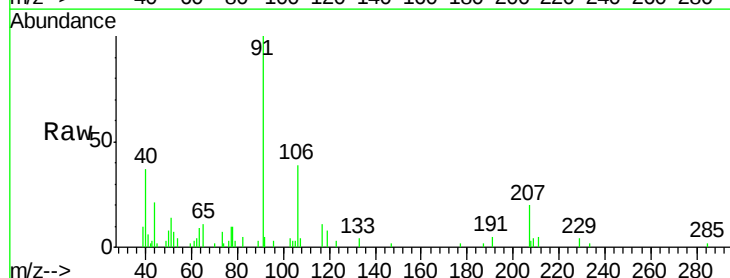
Acq: 13 May 2019 18:15

Tgt Ion: 91 Resp: 11199

Ion Ratio Lower Upper

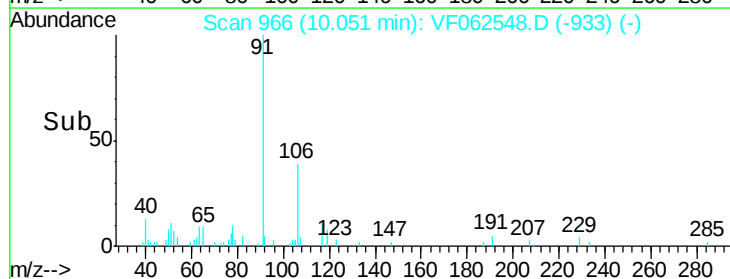
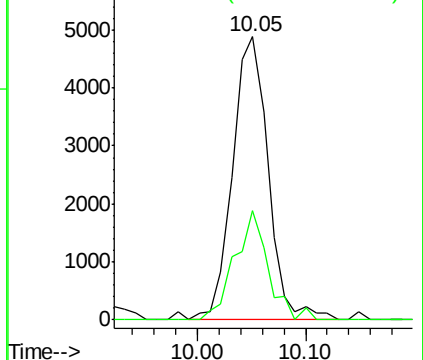
91 100

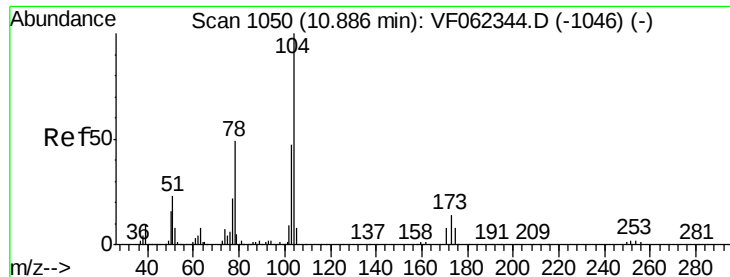
106 38.8 24.1 36.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

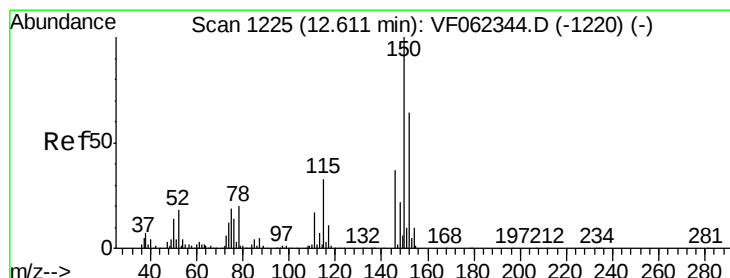
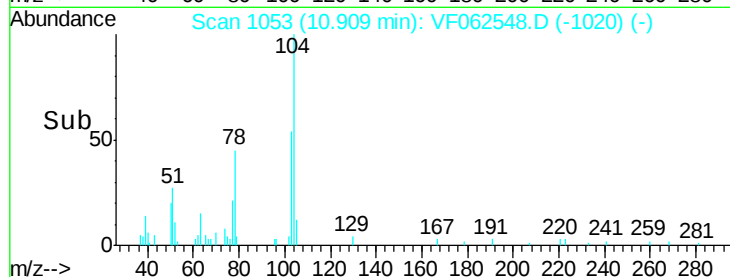
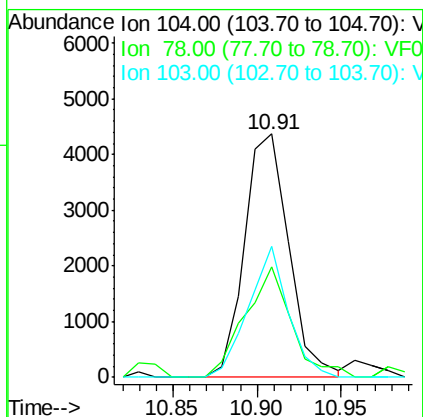
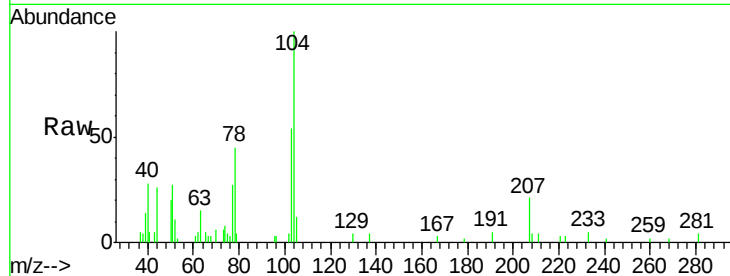




#70
Stvrene
Concen: 2.074 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VF062548.D
Acq: 13 May 2019 18:15

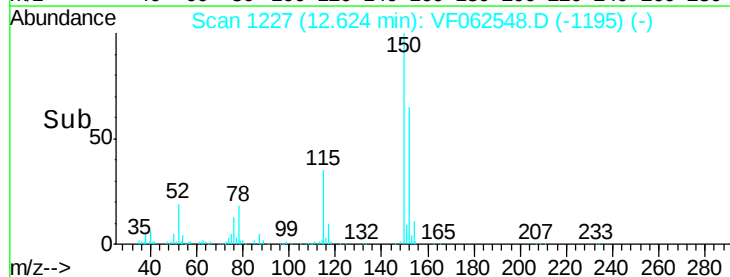
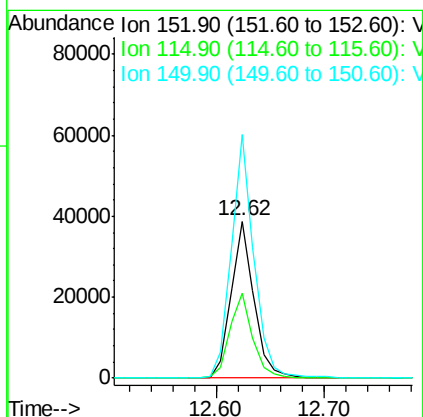
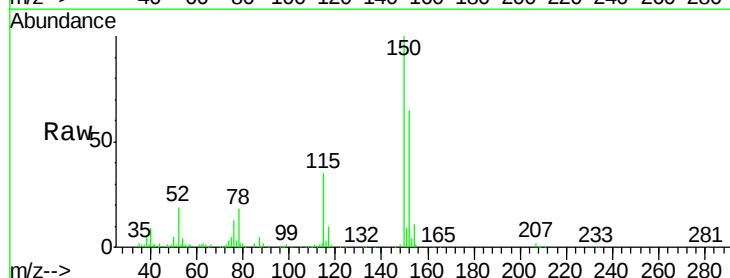
Instrument :
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P026-SS012-0206-01RE

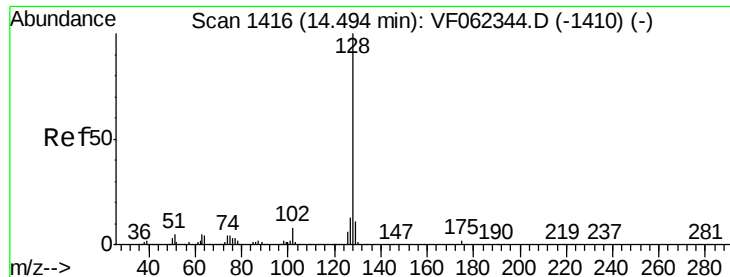
Tot Ion:104 Resp: 7976
Ion Ratio Lower Upper
104 100
78 47.9 39.5 59.3
103 48.6 38.4 57.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062548.D
Acq: 13 May 2019 18:15

Tgt Ion:152 Resp: 57045
Ion Ratio Lower Upper
152 100
115 54.7 26.4 79.2
150 154.1 0.0 335.0





#95

Naphthalene

Concen: 1.237 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VF062548.D

Acq: 13 May 2019 18:15

Instrument :

MSVOA_F

ClientSampleId :

P026-SS012-0206-01RE

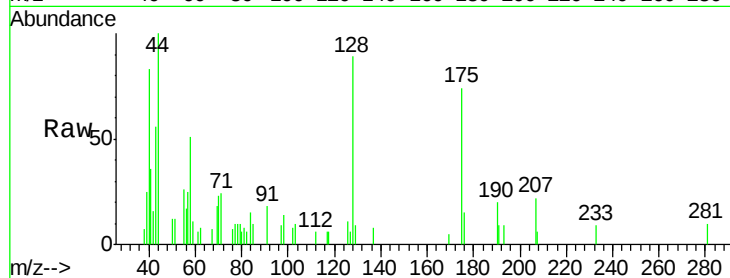
Tot Ion:128 Resp: 2618

Ion Ratio Lower Upper

128 100

127 8.6 10.5 15.7#

129 9.9 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

