

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062429.D
 Acq On : 10 May 2019 17:55
 Operator : FY/SY
 Sample : K2645-07RE
 Misc : 6.25g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-050719-DRE

Quant Time: May 10 18:22:02 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

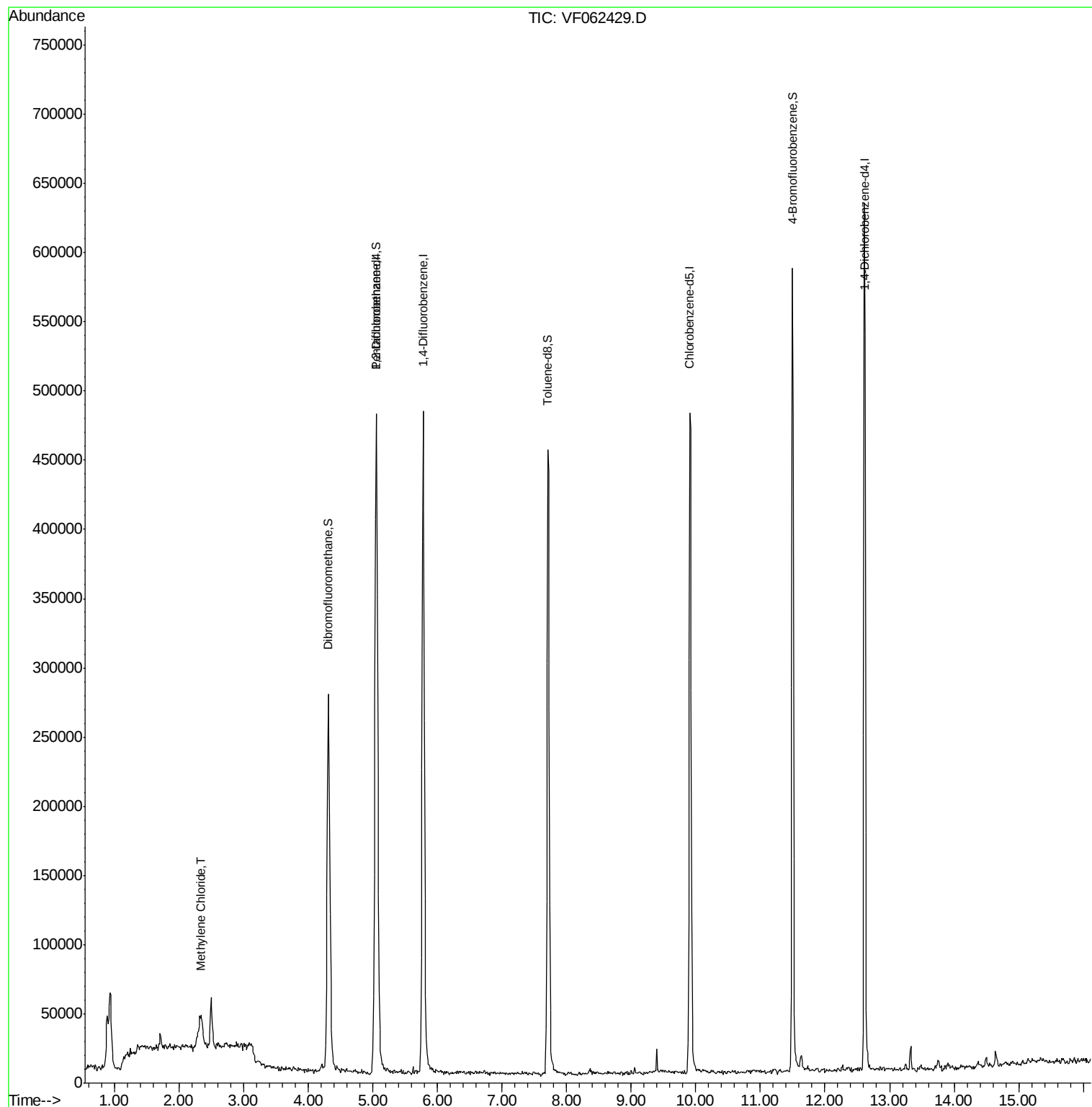
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	368399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	520491	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	352733	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	172944	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	216024	62.05	ug/l	0.02
Spiked Amount 50.000			Recovery	=	124.10%	
35) Dibromofluoromethane	4.31	113	246342	59.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.82%	
50) Toluene-d8	7.72	98	382210	38.08	ug/l	0.02
Spiked Amount 50.000			Recovery	=	76.16%	
62) 4-Bromofluorobenzene	11.50	95	185265	40.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.82%	
Target Compounds						
20) Methylene Chloride	2.34	84	16386	6.431	ug/l	Qvalue 93

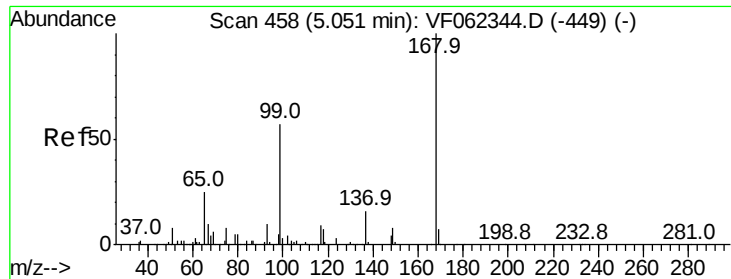
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062429.D

Acq: 10 May 2019 17:55

Instrument :

MSVOA_F

ClientSampleId :

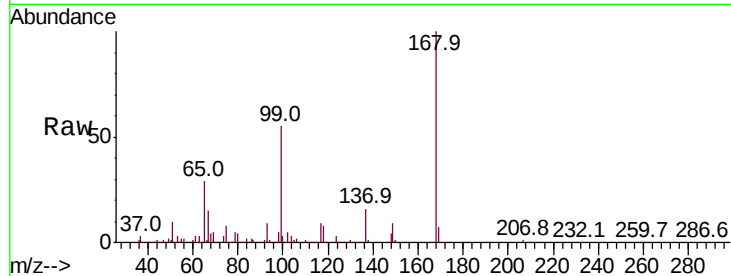
PL-02-050719-DRE

Tot Ion:168 Resp: 368399

Ion Ratio Lower Upper

168 100

99 55.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

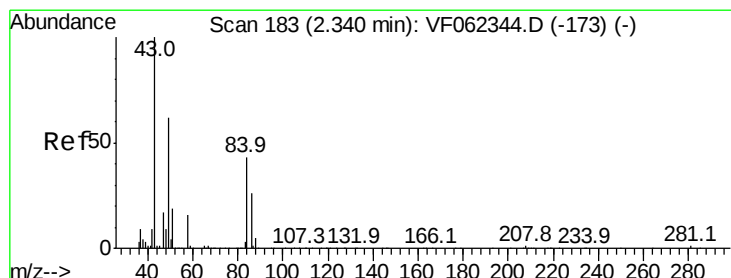
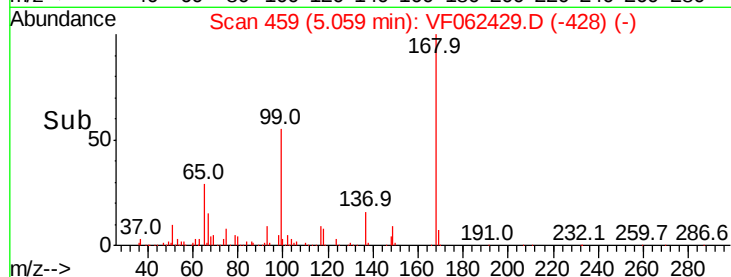
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 6.431 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF062429.D

Acq: 10 May 2019 17:55

Tgt Ion: 84 Resp: 16386

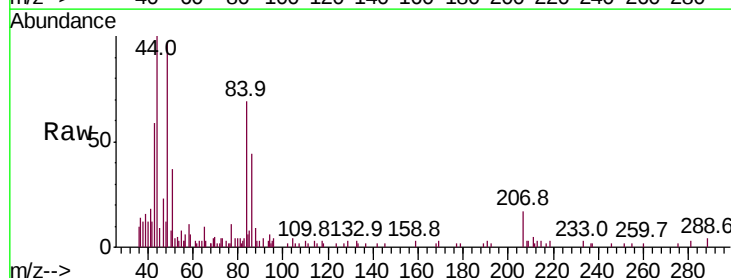
Ion Ratio Lower Upper

84 100

49 136.8 117.5 176.3

51 53.4 37.0 55.4

86 63.5 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

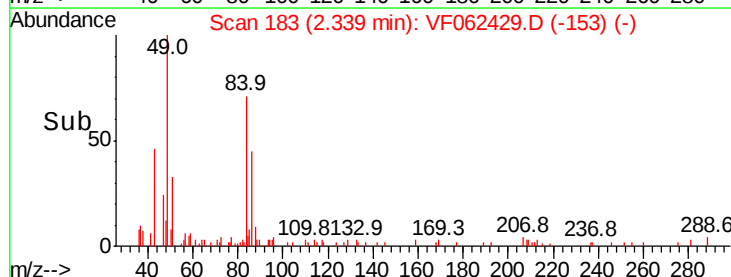
6000

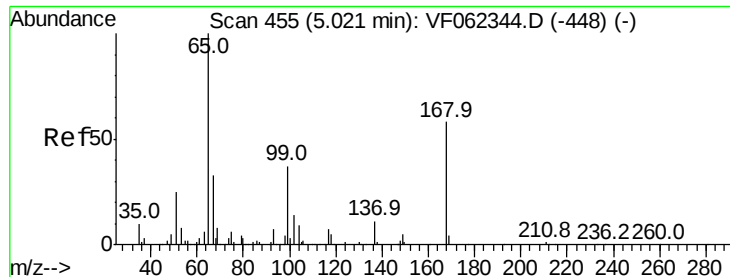
4000

2000

0

Time-->

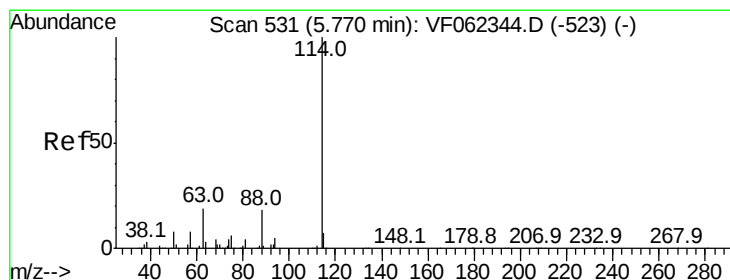
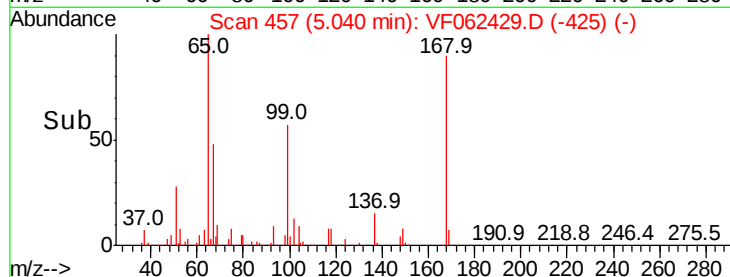
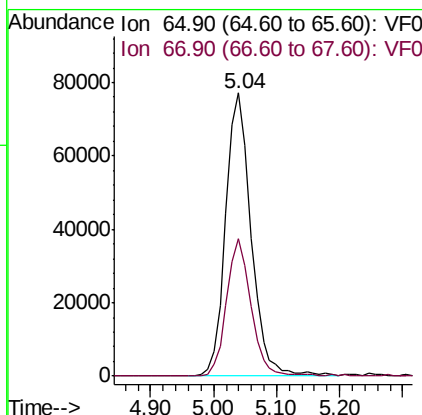
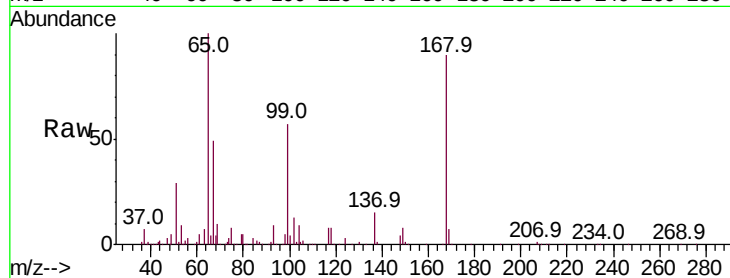




#33
 1,2-Dichloroethane-d4
 Concen: 62.049 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062429.D
 Acq: 10 May 2019 17:55

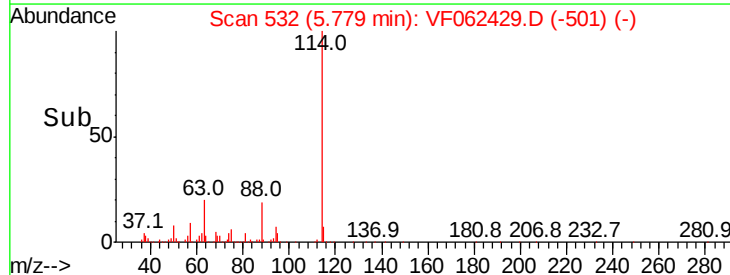
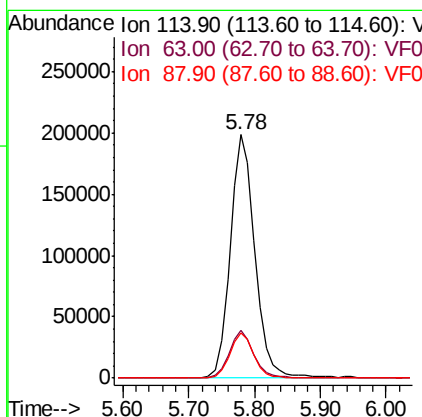
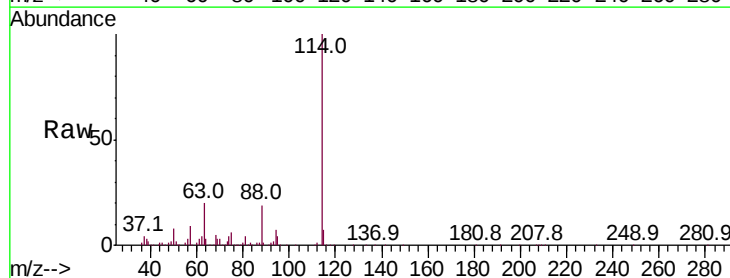
Instrument :
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 PL-02-050719-DRE

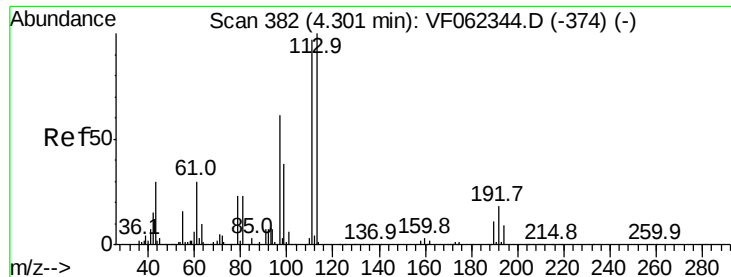
Tot Ion: 65 Resp: 216024
 Ion Ratio Lower Upper
 65 100
 67 46.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062429.D
 Acq: 10 May 2019 17:55

Tgt Ion: 114 Resp: 520491
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 37.4
 88 18.5 0.0 36.4

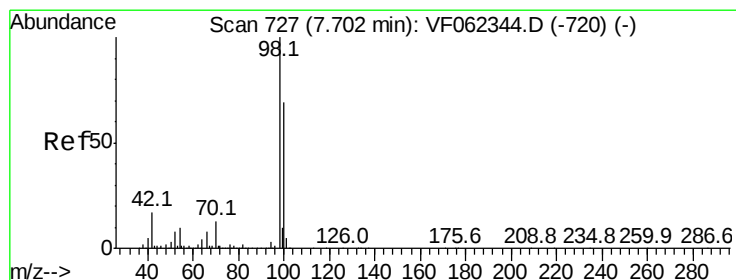
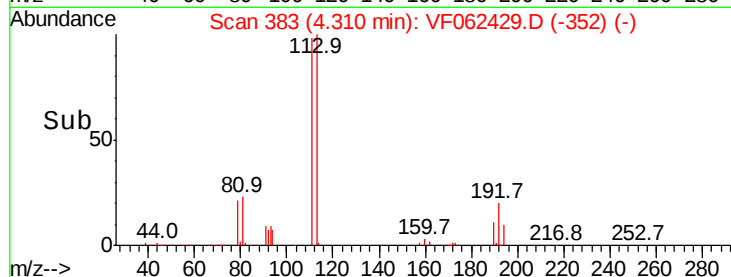
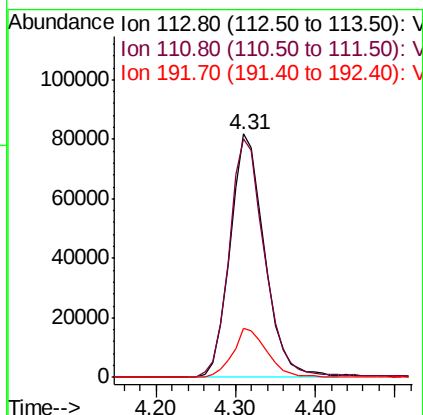
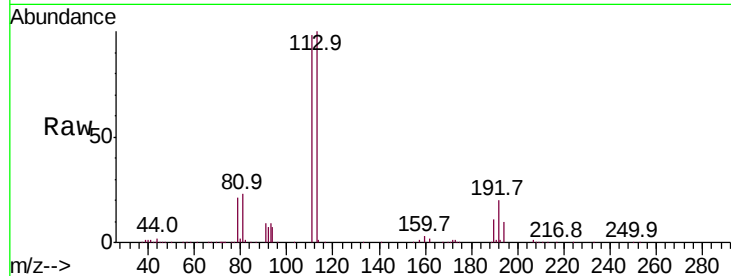




#35
 Dibromofluoromethane
 Concen: 59.407 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062429.D
 Acq: 10 May 2019 17:55

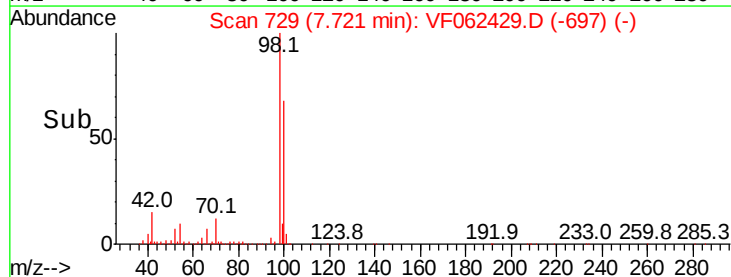
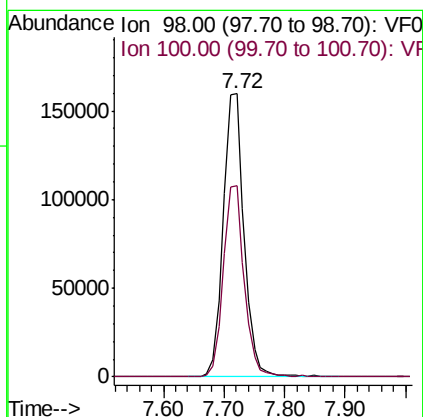
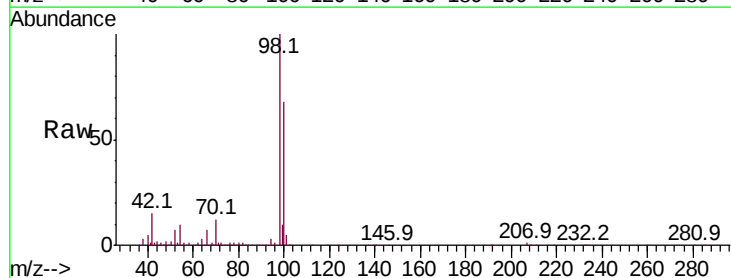
Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-050719-DRE

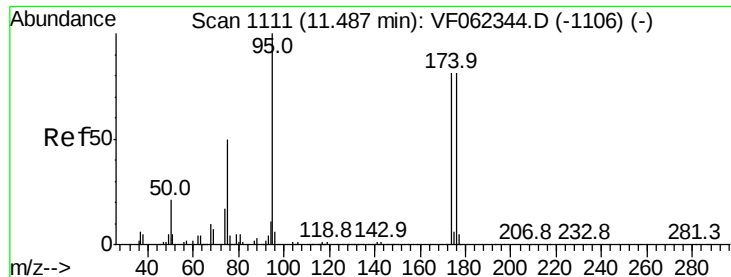
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	79.4	119.0
192	20.1	16.0	24.0



#50
 Toluene-d8
 Concen: 38.078 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.02 min
 Lab File: VF062429.D
 Acq: 10 May 2019 17:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.3	79.9





#62

4-Bromofluorobenzene

Concen: 40.910 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062429.D

Acq: 10 May 2019 17:55

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-DRE

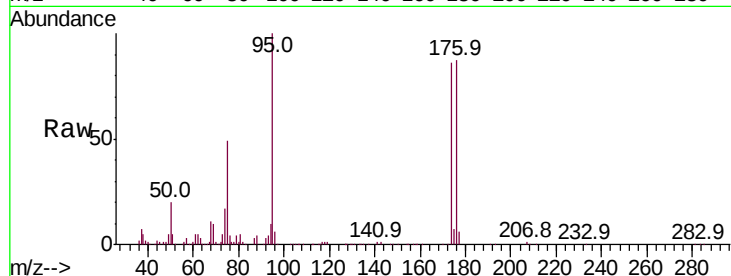
Tot Ion: 95 Resp: 185265

Ion Ratio Lower Upper

95 100

174 96.4 0.0 191.8

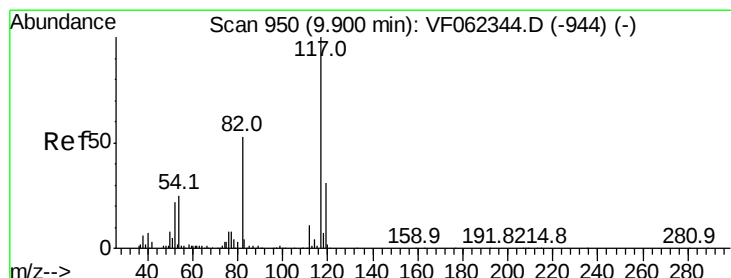
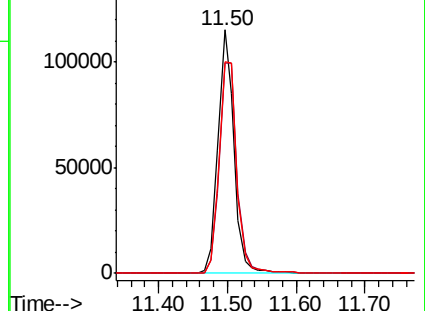
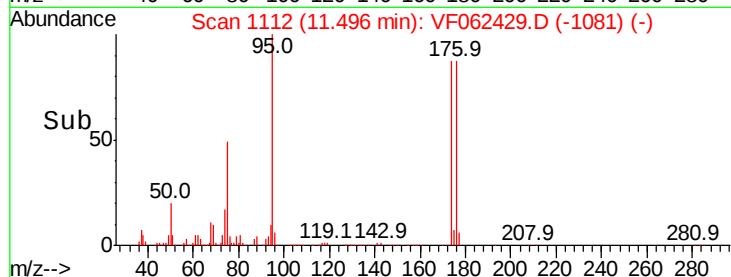
176 96.3 0.0 193.2



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: 9.92 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062429.D

Acq: 10 May 2019 17:55

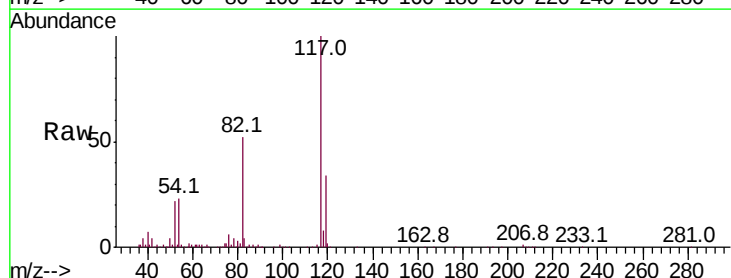
Tgt Ion: 117 Resp: 352733

Ion Ratio Lower Upper

117 100

82 51.7 42.2 63.2

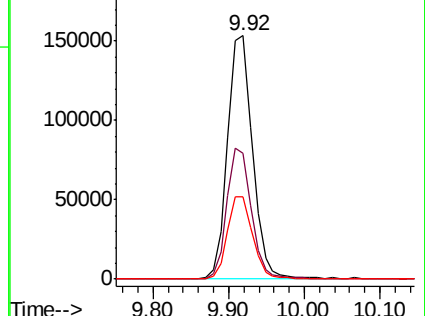
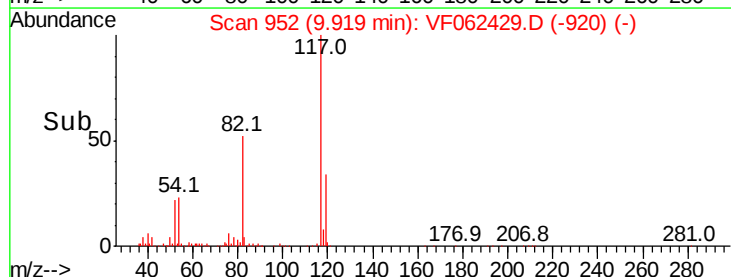
119 33.8 25.0 37.4

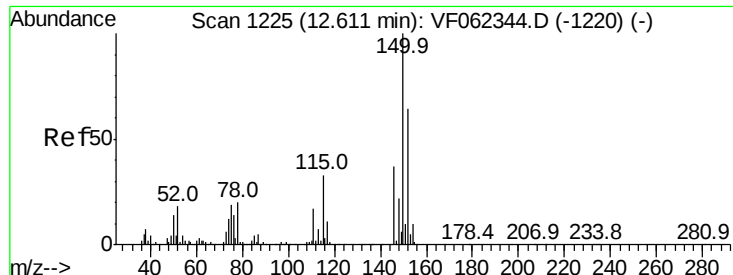


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062429.D

Acq: 10 May 2019 17:55

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-DRE

Tot Ion:152 Resp: 172944

Ion Ratio Lower Upper

152 100

115 53.7 26.4 79.2

150 152.9 0.0 335.0

