

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062827.D
 Acq On : 21 Jun 2019 20:10
 Operator : VA/AP
 Sample : K3487-02
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-048

Quant Time: Jun 22 05:14:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

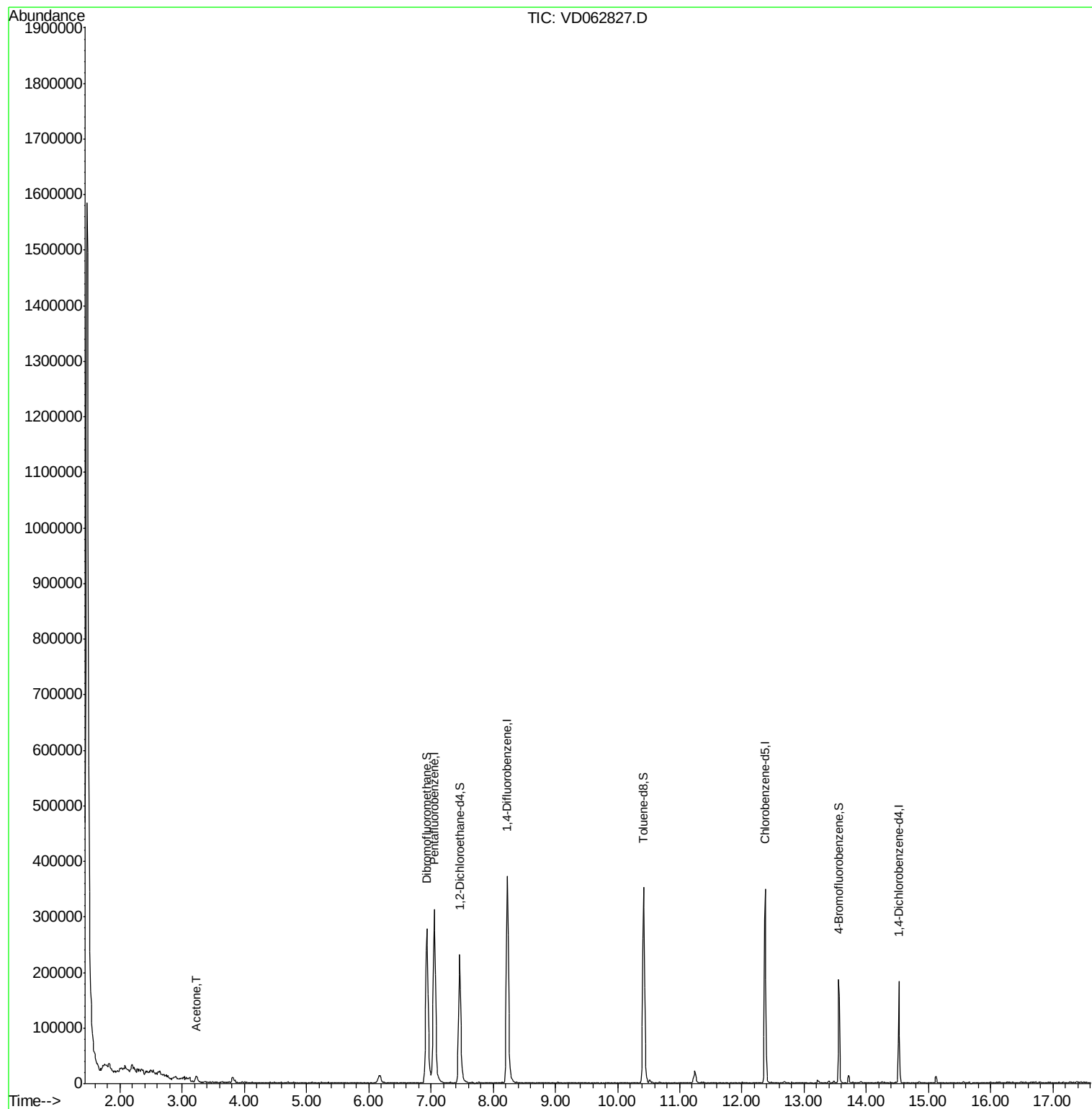
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	276162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	403217	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	187177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	35179	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	246598	82.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	164.30%	
35) Dibromofluoromethane	6.93	113	238345	70.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	140.20%	
50) Toluene-d8	10.42	98	288534	38.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.98%	
62) 4-Bromofluorobenzene	13.56	95	51683	15.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	30.72%	
Target Compounds						
16) Acetone	3.22	43	24102	33.536	ug/l #	Qvalue 89

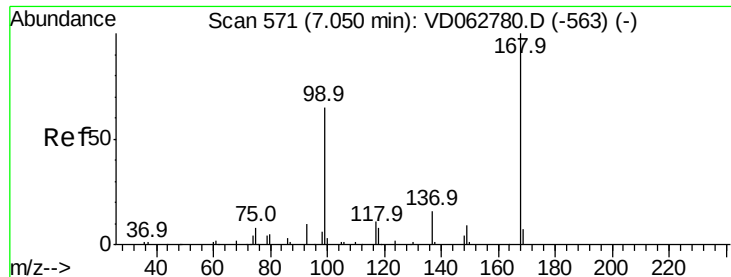
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 01:50:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

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MSVOA_D

ClientSampleId :

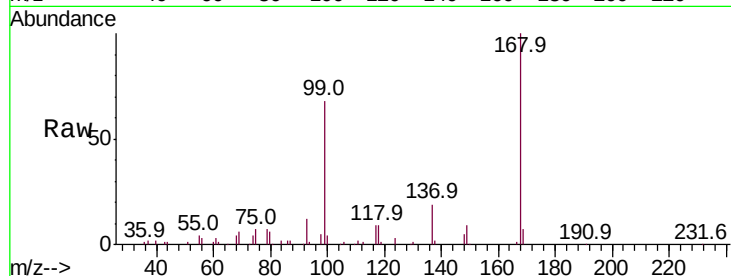
FK-PS-01-048

Tot Ion:168 Resp: 276162

Ion Ratio Lower Upper

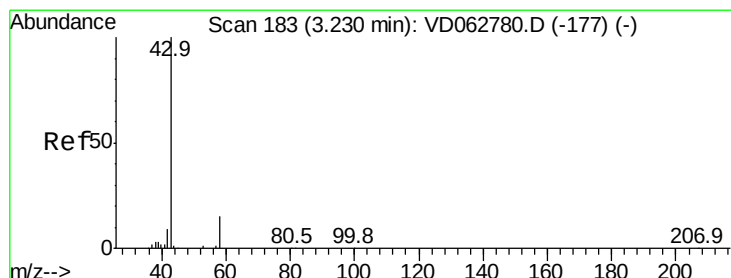
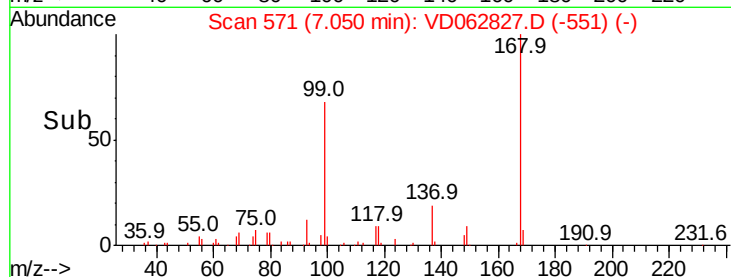
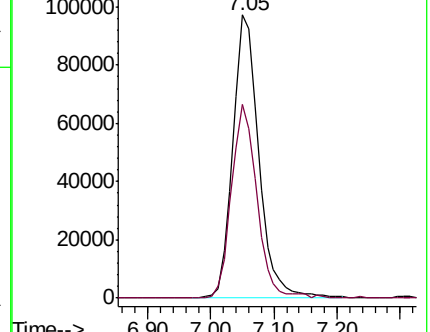
168 100

99 68.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 33.536 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062827.D

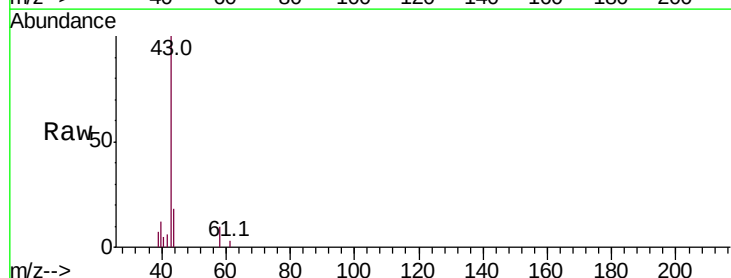
Acq: 21 Jun 2019 20:10

Tgt Ion: 43 Resp: 24102

Ion Ratio Lower Upper

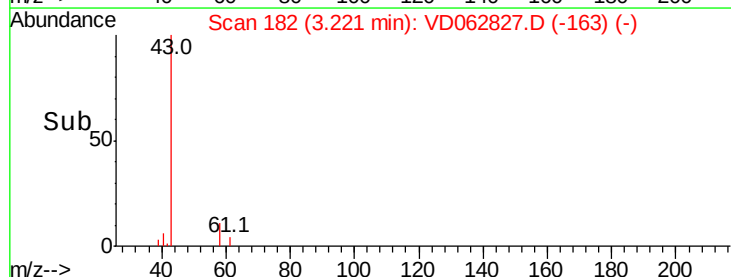
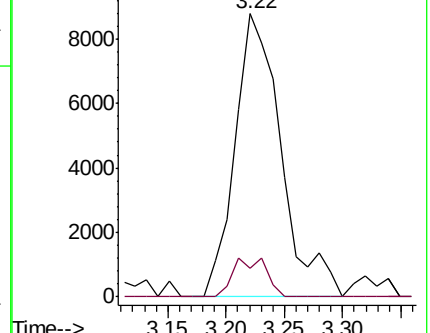
43 100

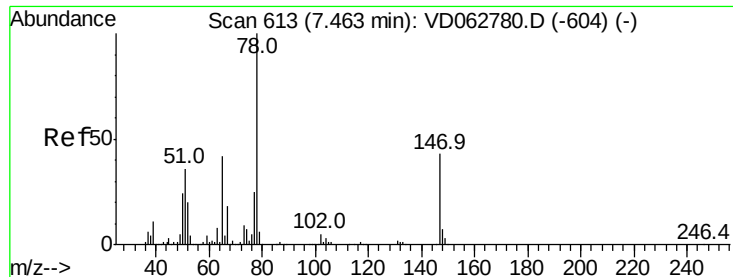
58 10.3 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

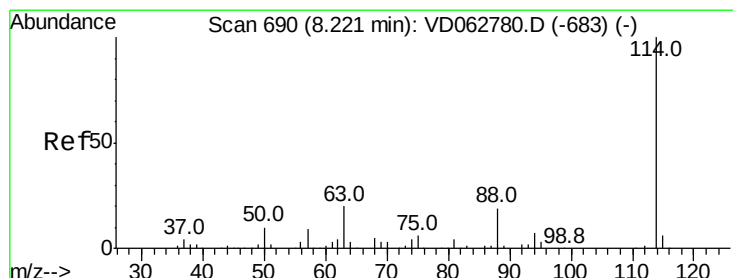
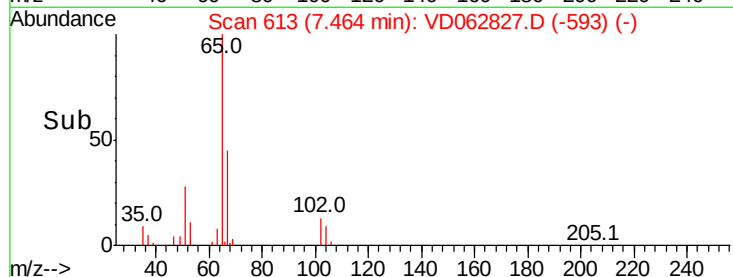
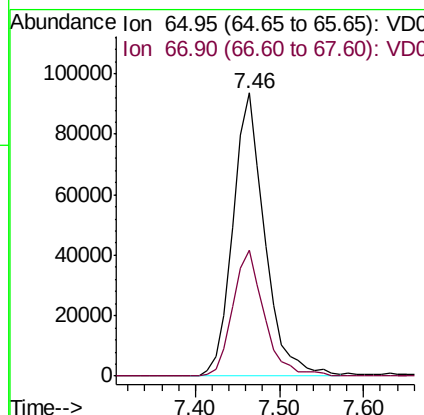
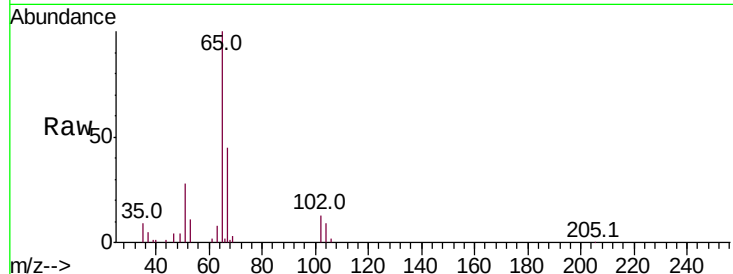




#33
 1,2-Dichloroethane-d4
 Concen: 82.149 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062827.D
 Acq: 21 Jun 2019 20:10

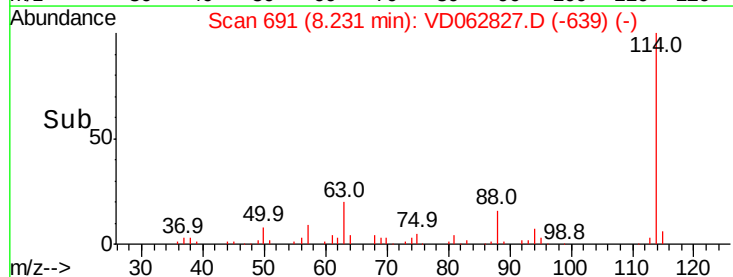
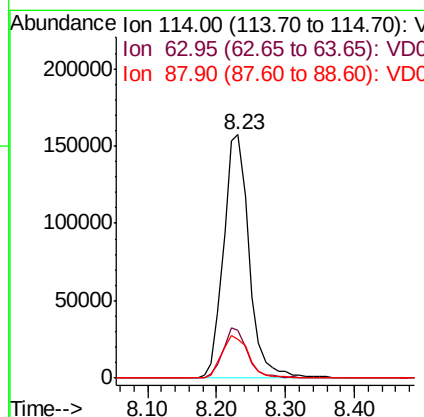
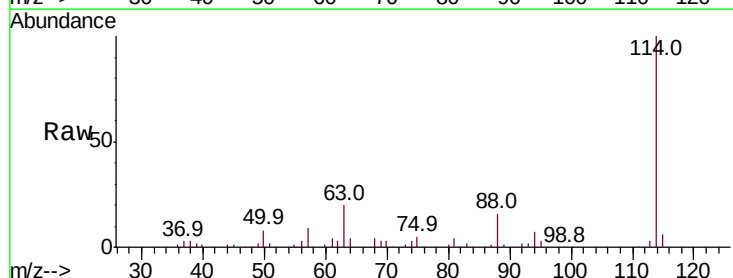
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-048

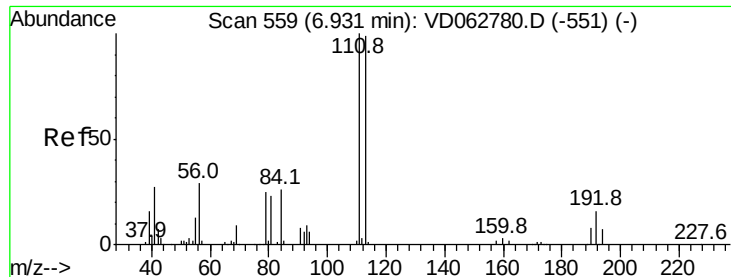
Tot Ion: 65 Resp: 246598
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062827.D
 Acq: 21 Jun 2019 20:10

Tgt Ion: 114 Resp: 403217
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.9 0.0 38.8





#35

Dibromofluoromethane

Concen: 70.103 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

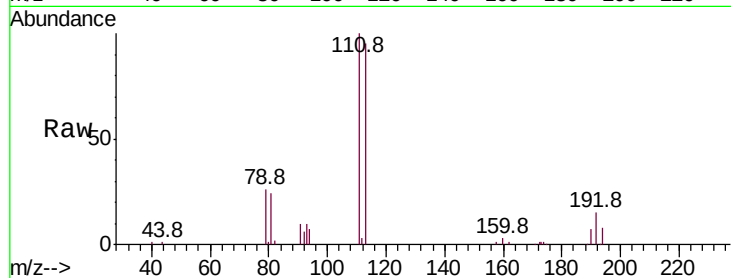
Tot Ion:113 Resp: 238345

Ion Ratio Lower Upper

113 100

111 104.8 81.2 121.8

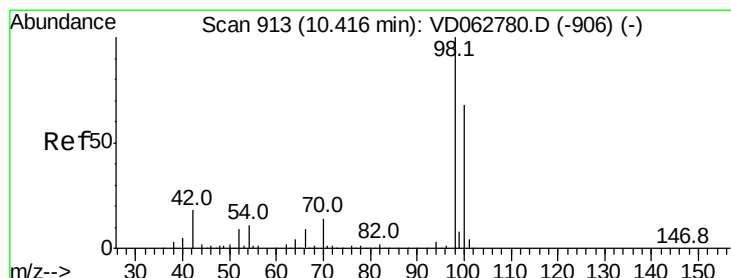
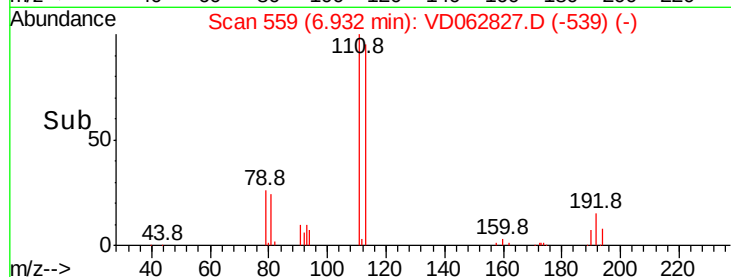
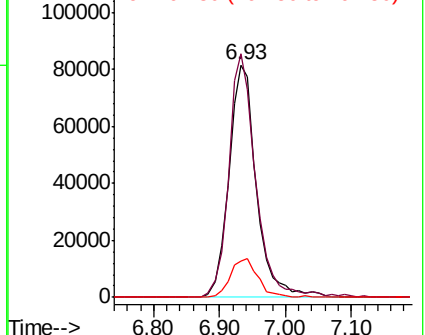
192 15.9 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: 38.992 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062827.D

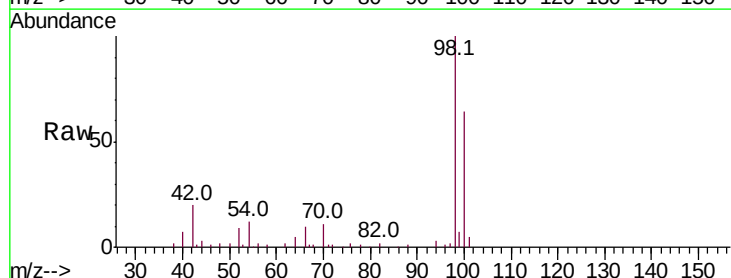
Acq: 21 Jun 2019 20:10

Tgt Ion: 98 Resp: 288534

Ion Ratio Lower Upper

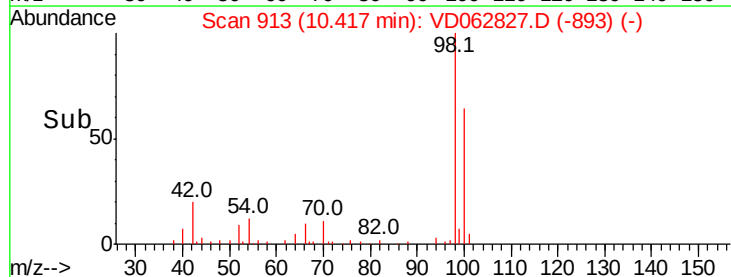
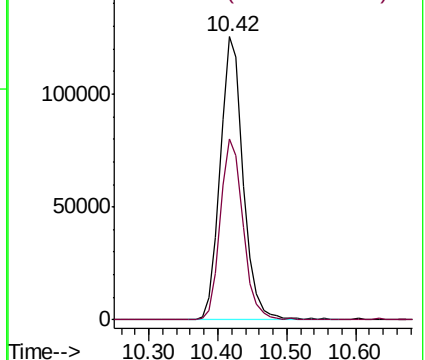
98 100

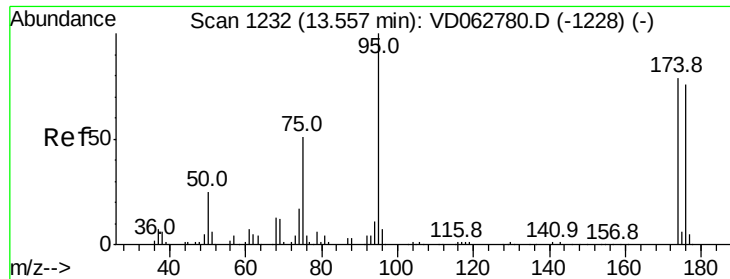
100 63.8 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 15.360 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

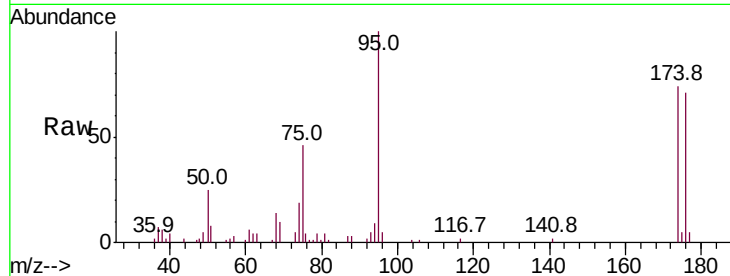
Tot Ion: 95 Resp: 51683

Ion Ratio Lower Upper

95 100

174 74.1 0.0 158.0

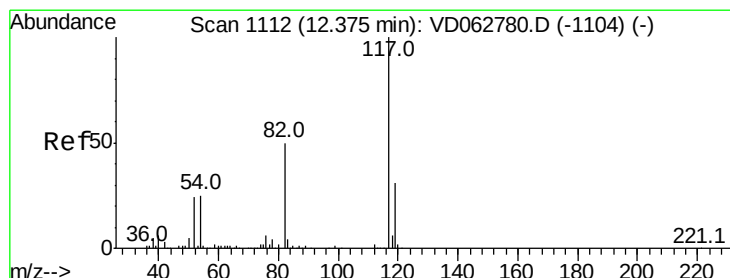
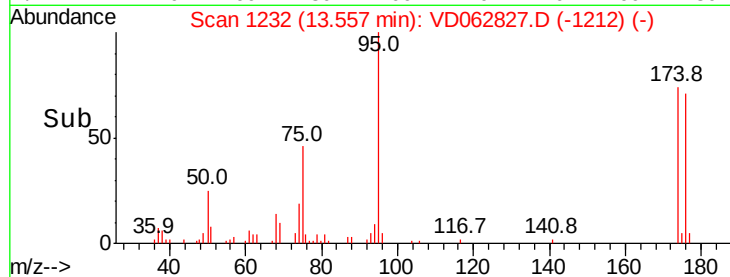
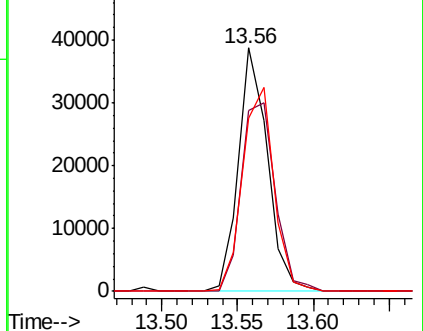
176 71.2 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

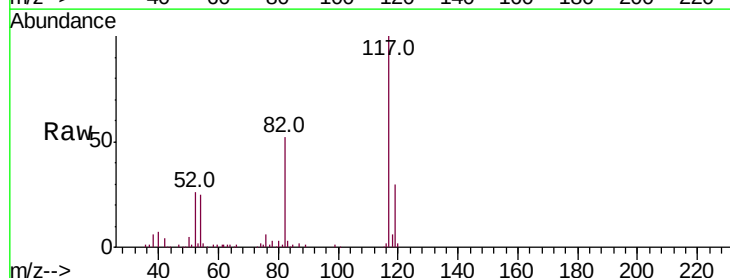
Tgt Ion: 117 Resp: 187177

Ion Ratio Lower Upper

117 100

82 51.7 40.4 60.6

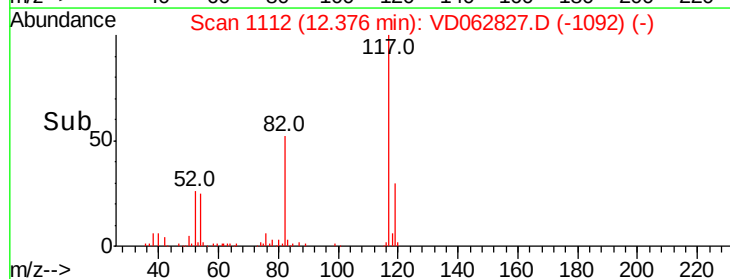
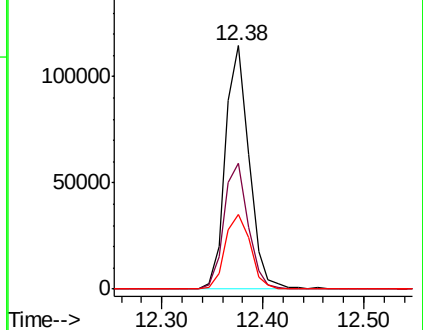
119 30.5 25.2 37.8

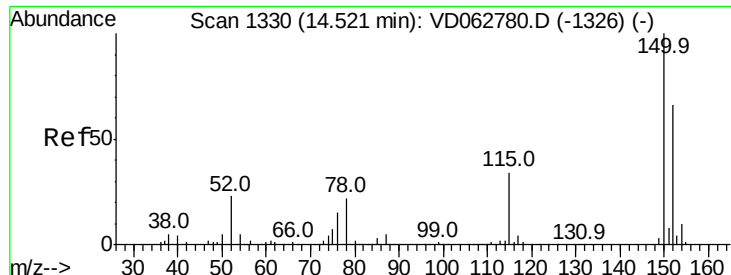


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062827.D

Acq: 21 Jun 2019 20:10

Instrument :

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ClientSampleId :

FK-PS-01-048

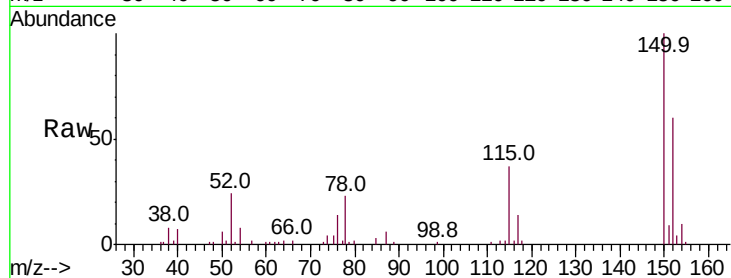
Tot Ion:152 Resp: 35179

Ion Ratio Lower Upper

152 100

115 62.0 29.2 87.6

150 165.5 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

