

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061943.D
 Acq On : 22 Apr 2019 17:18
 Operator : VA/AP
 Sample : K2203-15
 Misc : 6.91g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-041819-B

Quant Time: Apr 23 00:24:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

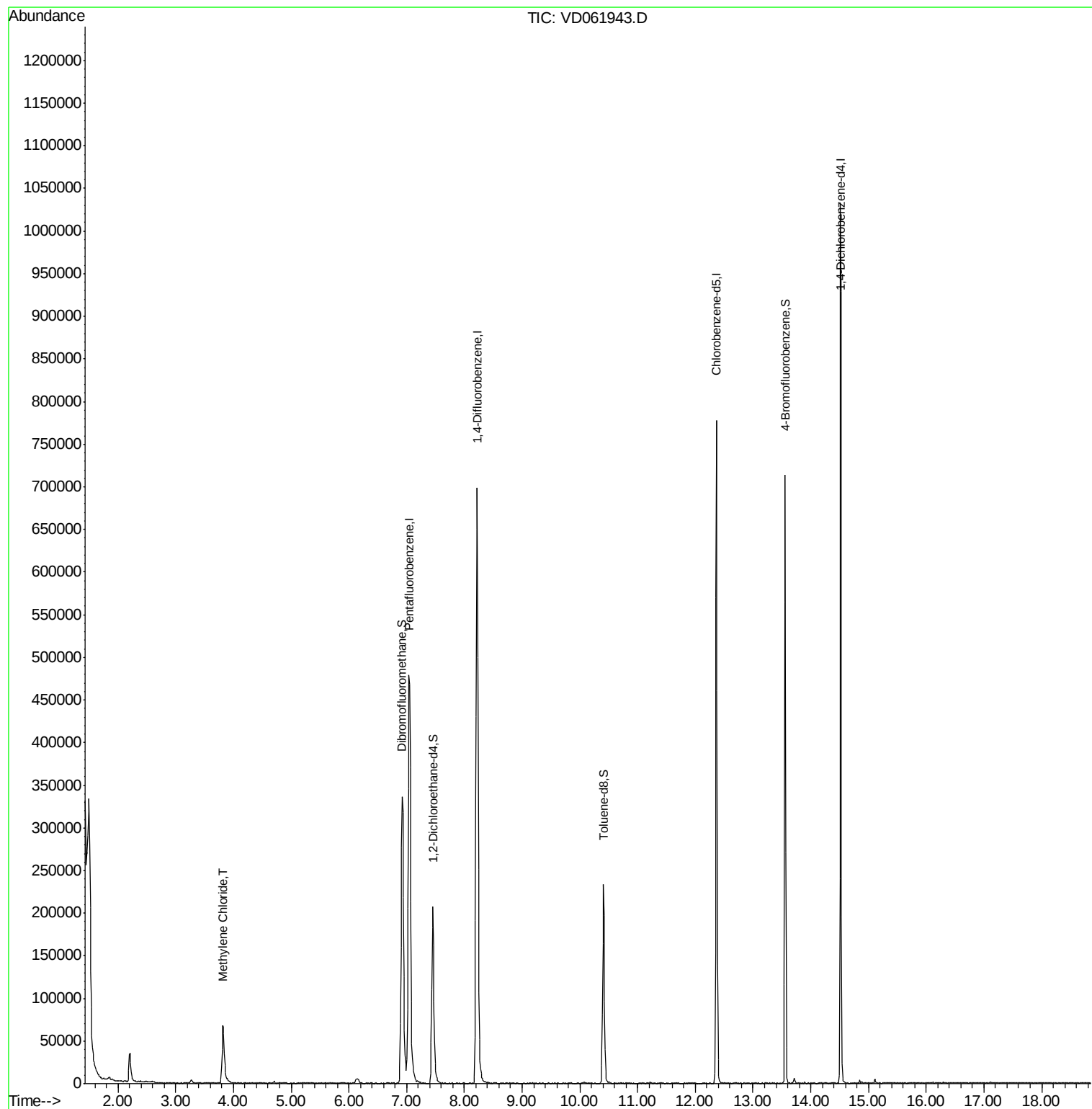
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	508127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	856693	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	477068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	266244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	206370	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
35) Dibromofluoromethane	6.92	113	328379	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.41	98	202275	13.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.38%	
62) 4-Bromofluorobenzene	13.56	95	224470	36.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.22%	
Target Compounds						
20) Methylene Chloride	3.82	84	52969	6.128	ug/l	Qvalue 94

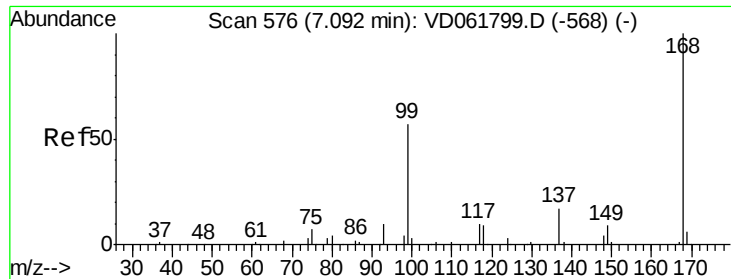
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

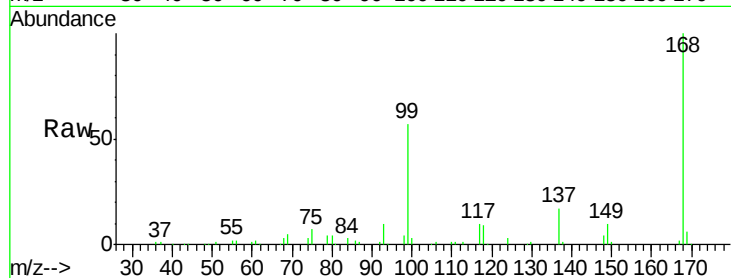
SU-02-041819-B

Tot Ion:168 Resp: 508127

Ion Ratio Lower Upper

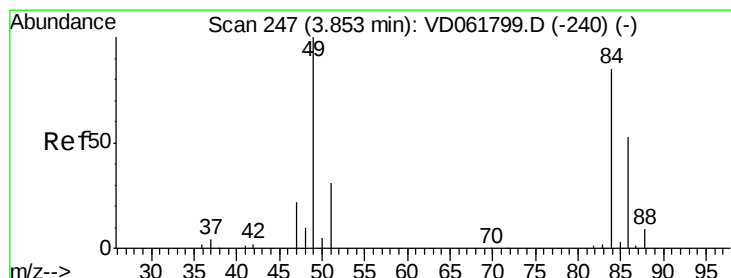
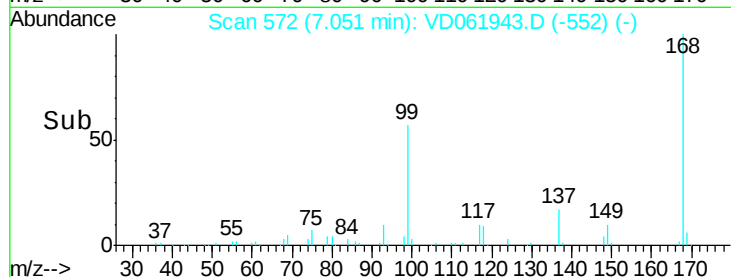
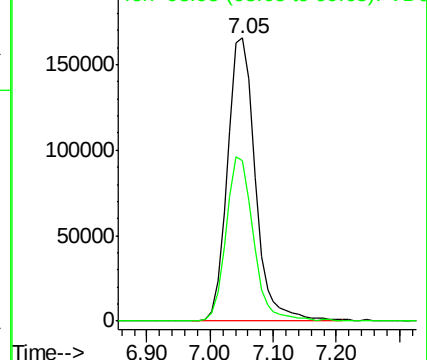
168 100

99 56.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 6.128 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

Tgt Ion: 84 Resp: 52969

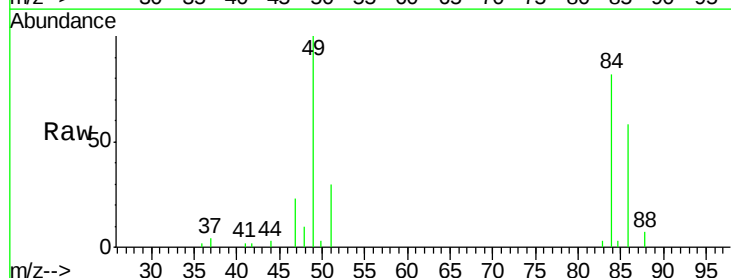
Ion Ratio Lower Upper

84 100

49 122.4 94.0 141.0

51 37.1 29.0 43.4

86 71.2 49.8 74.6

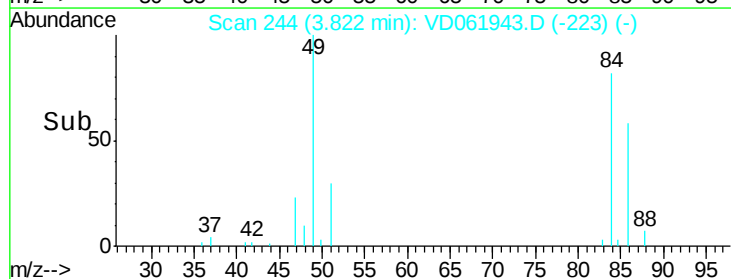
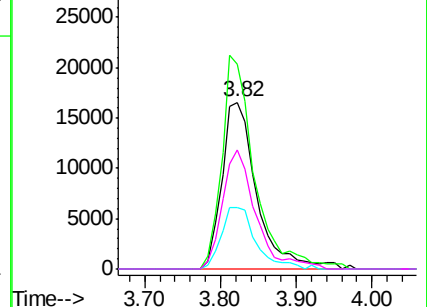


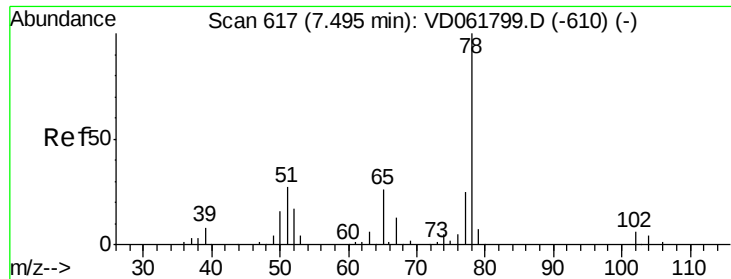
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

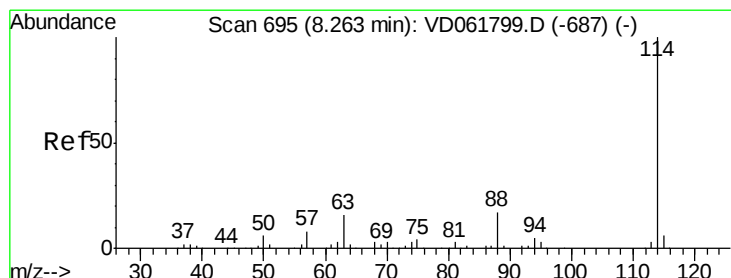
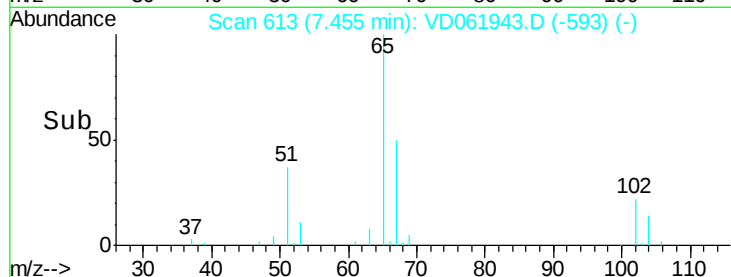
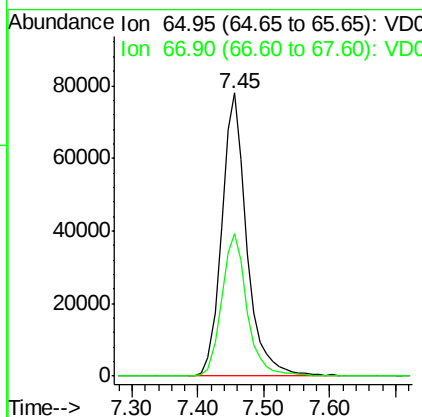
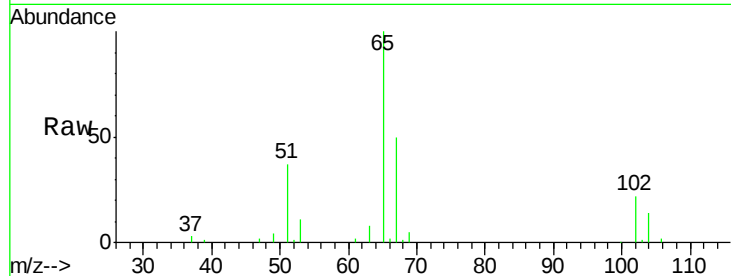




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD061943.D
 Acq: 22 Apr 2019 17:18

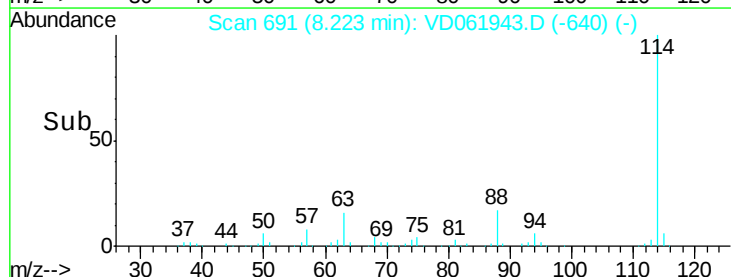
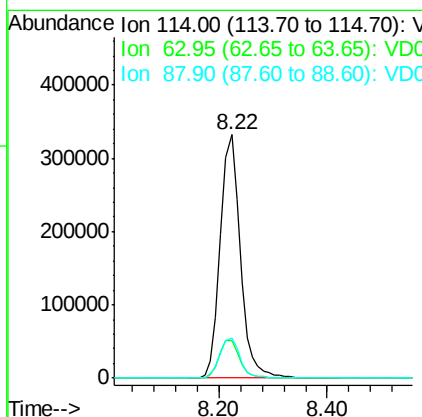
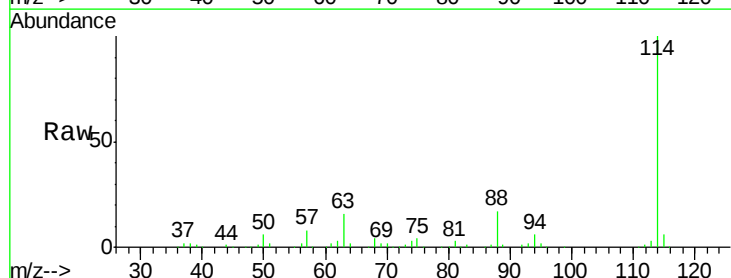
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-041819-B

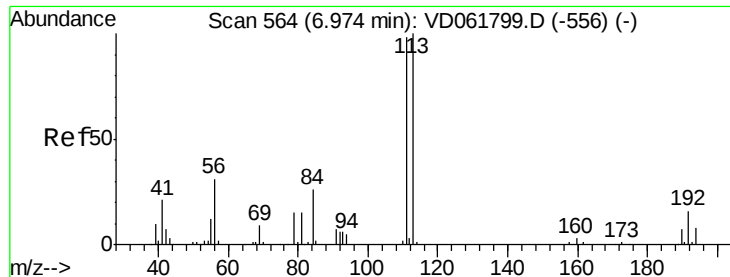
Tot Ion: 65 Resp: 206370
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD061943.D
 Acq: 22 Apr 2019 17:18

Tgt Ion: 114 Resp: 856693
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 32.4
 88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

SU-02-041819-B

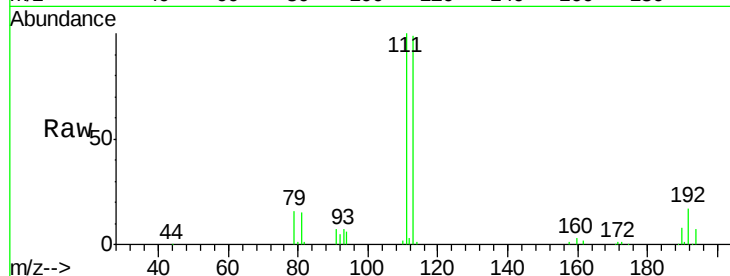
Tot Ion:113 Resp: 328379

Ion Ratio Lower Upper

113 100

111 101.1 78.5 117.7

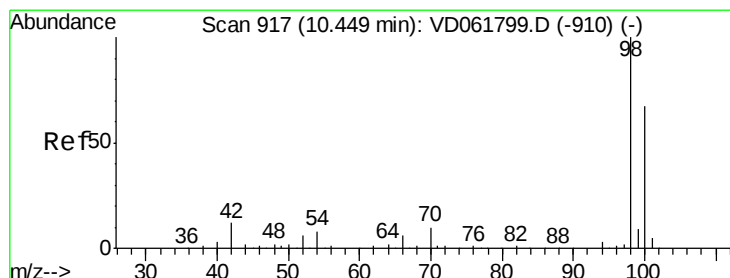
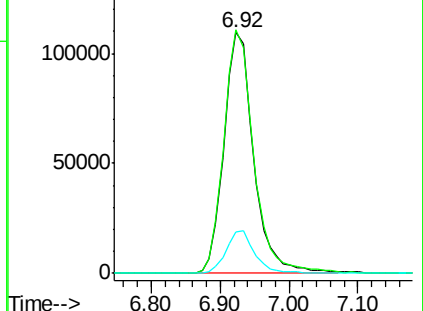
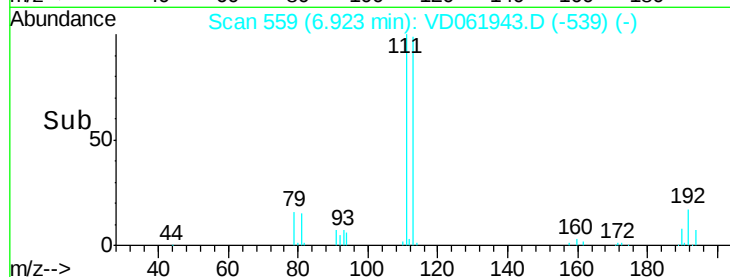
192 17.1 13.0 19.4



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: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD061943.D

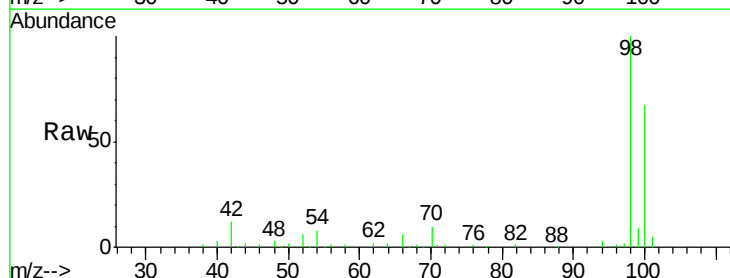
Acq: 22 Apr 2019 17:18

Tgt Ion: 98 Resp: 202275

Ion Ratio Lower Upper

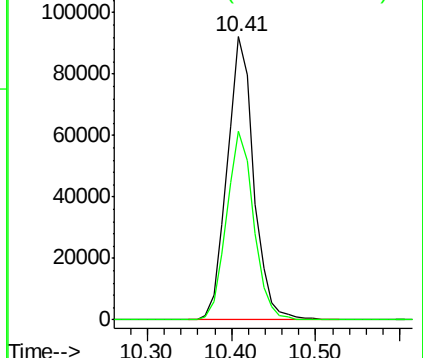
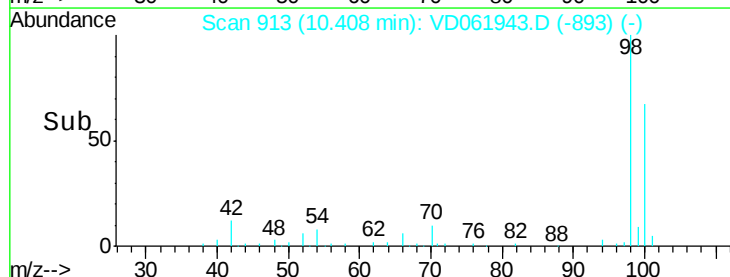
98 100

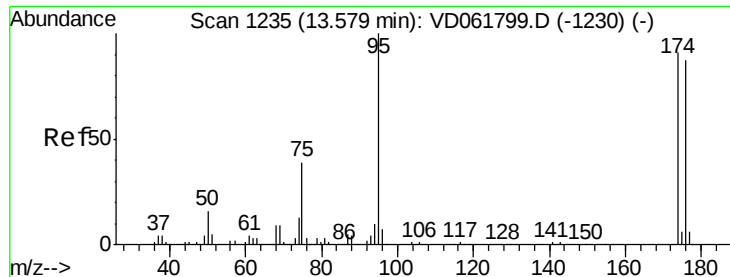
100 66.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

Instrument :

MSVOA_D

ClientSampleId :

SU-02-041819-B

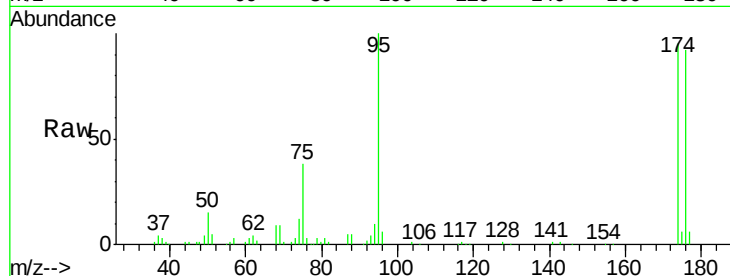
Tot Ion: 95 Resp: 224470

Ion Ratio Lower Upper

95 100

174 94.7 0.0 181.8

176 92.5 0.0 174.4

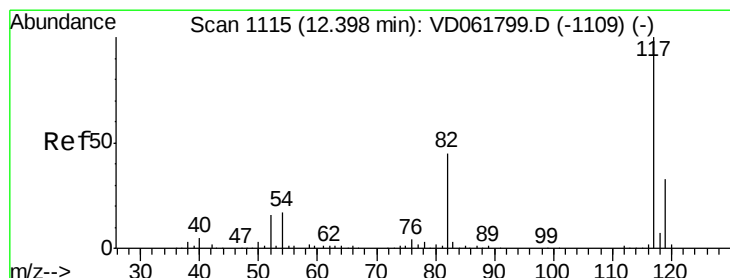
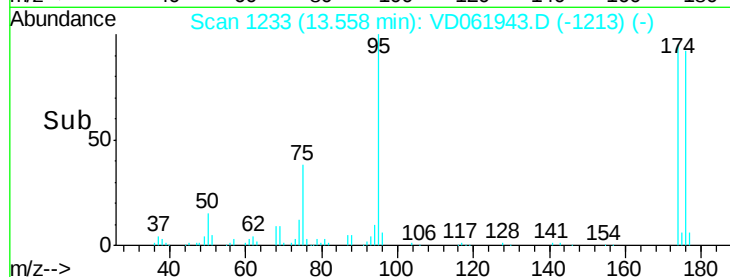


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD061943.D

Acq: 22 Apr 2019 17:18

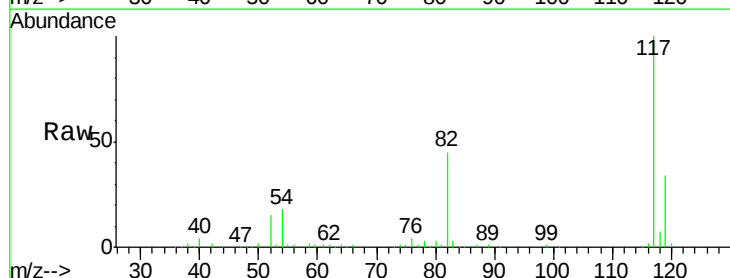
Tgt Ion: 117 Resp: 477068

Ion Ratio Lower Upper

117 100

82 45.2 36.2 54.2

119 33.6 26.2 39.4

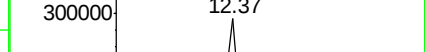
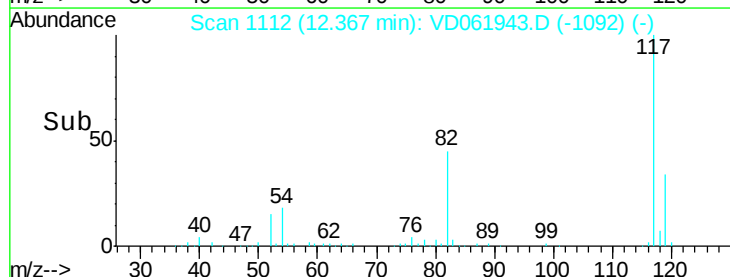


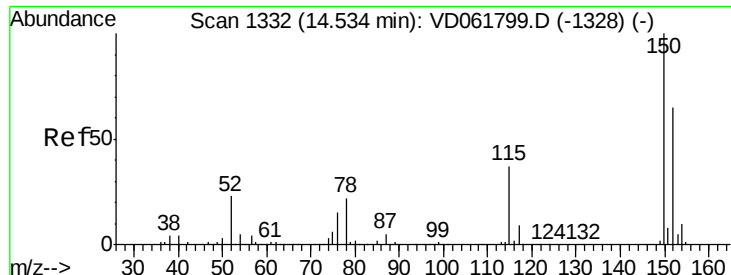
Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->

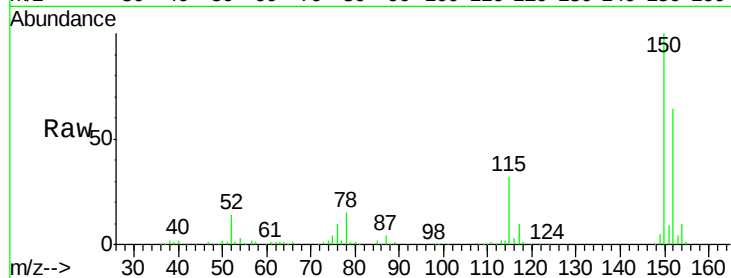




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061943.D
 Acq: 22 Apr 2019 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-041819-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.1	30.9	92.7
150	156.7	0.0	314.8



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

