

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
 Data File : VD063379.D
 Acq On : 5 Aug 2019 14:33
 Operator : VA/AP
 Sample : K4156-13
 Misc : 5.24g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200035

Quant Time: Aug 06 08:06:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

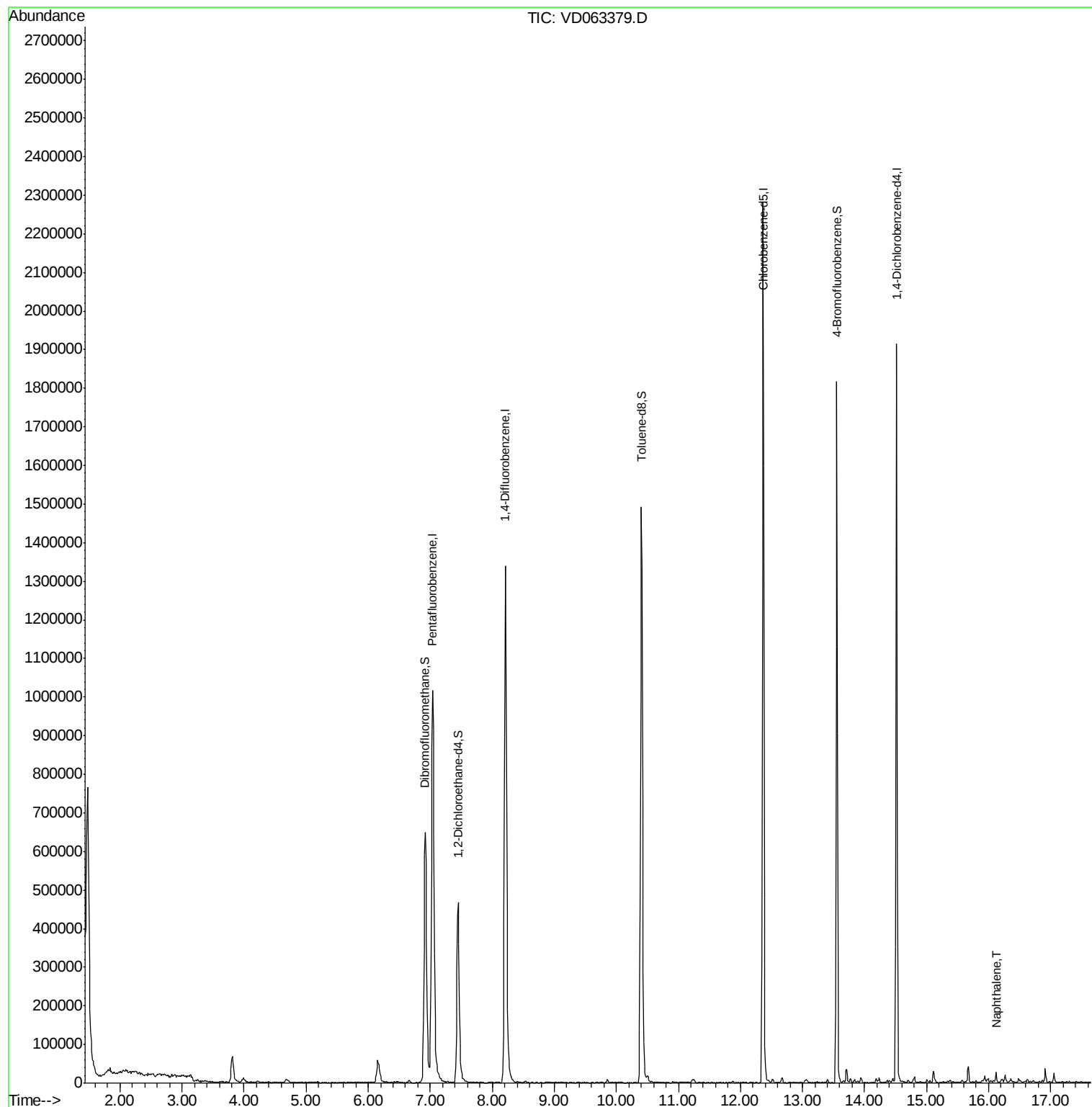
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1031079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1529601	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1221271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	466556	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	537217	46.96	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.92%	
35) Dibromofluoromethane	6.92	113	584692	44.77	ug/l	0.01
Spiked Amount 50.000			Recovery	=	89.54%	
50) Toluene-d8	10.41	98	1229995	42.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.16%	
62) 4-Bromofluorobenzene	13.56	95	507569	38.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.22%	
Target Compounds						
95) Naphthalene	16.12	128	16304	1.130	ug/l #	Qvalue 89

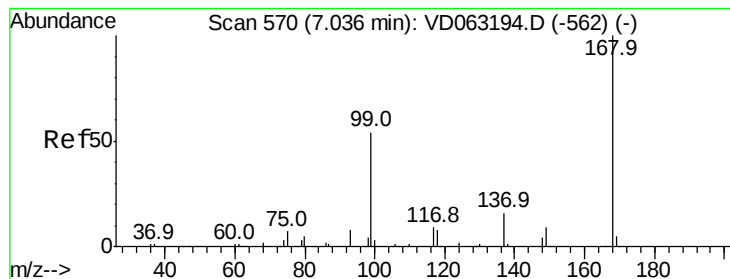
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063379.D

Acq: 5 Aug 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

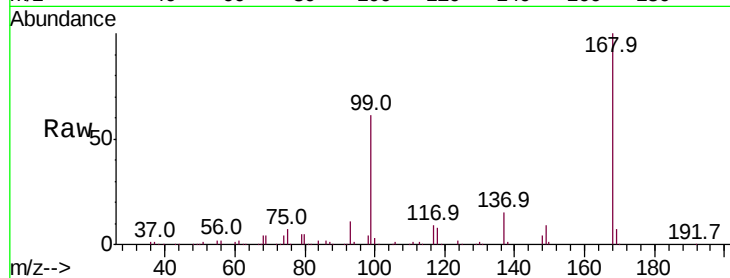
RBR-200035

Tot Ion:168 Resp: 1031079

Ion Ratio Lower Upper

168 100

99 60.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

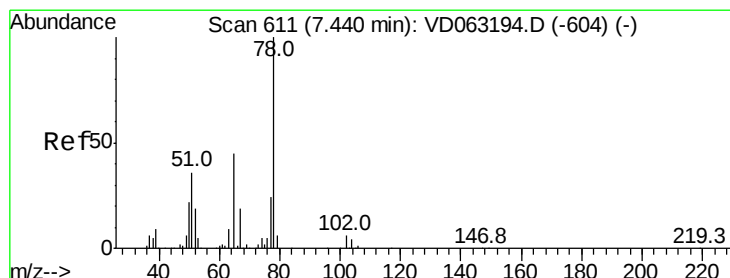
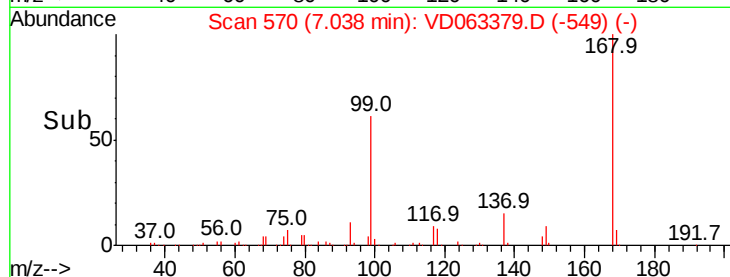
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: 46.956 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063379.D

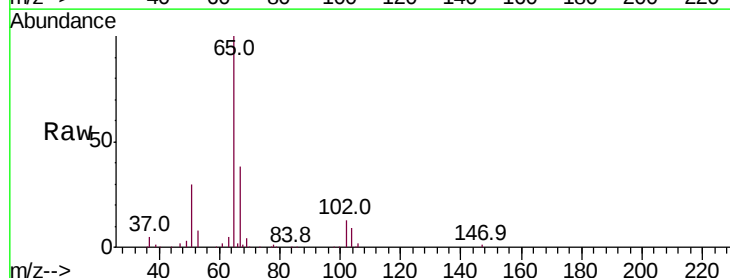
Acq: 5 Aug 2019 14:33

Tgt Ion: 65 Resp: 537217

Ion Ratio Lower Upper

65 100

67 37.9 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

150000

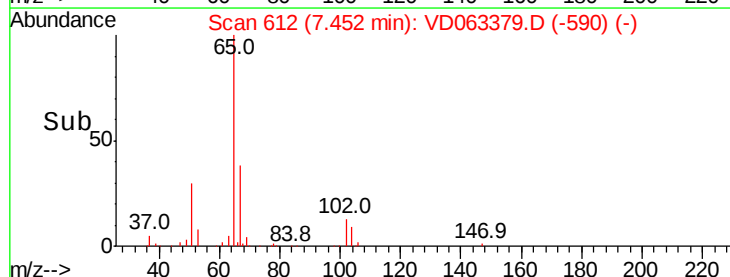
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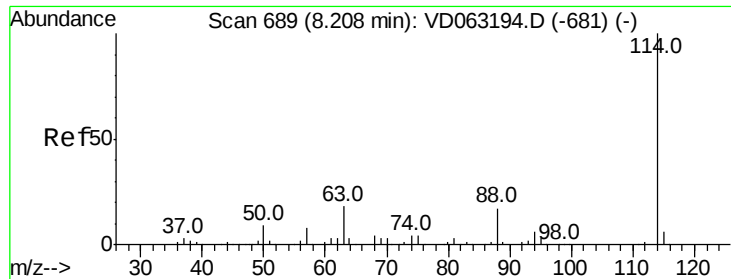
50000

0

Time-->

7.30 7.40 7.50 7.60

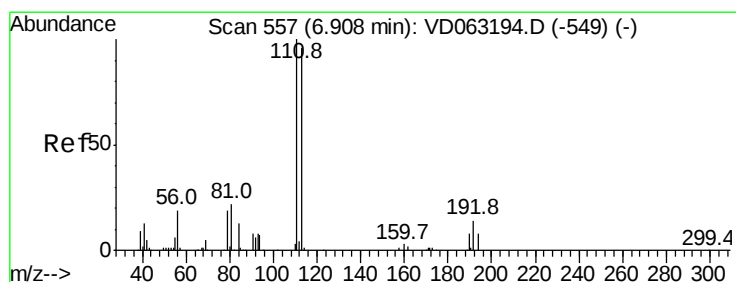
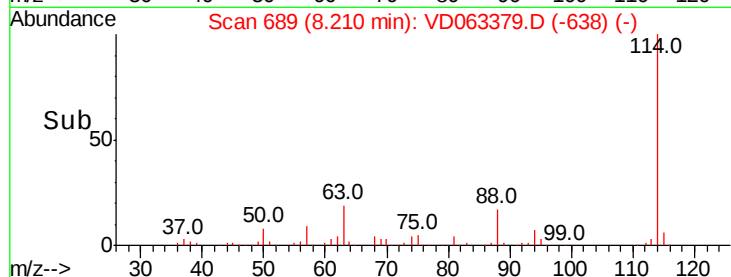
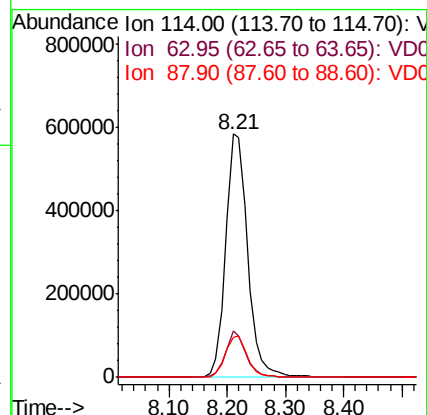
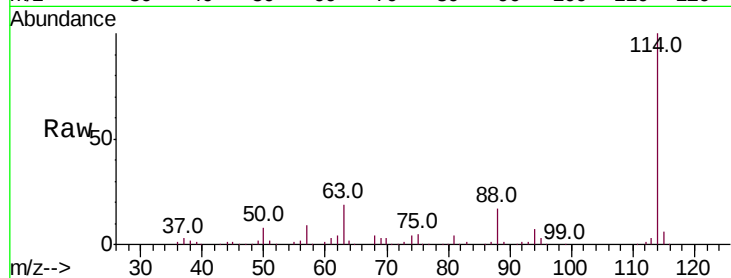




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063379.D
 Acq: 5 Aug 2019 14:33

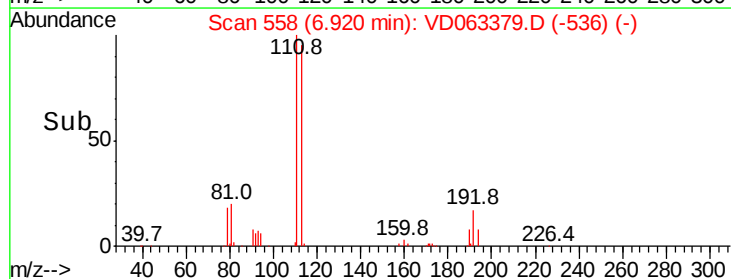
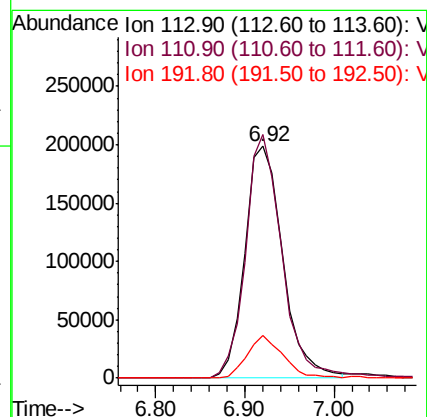
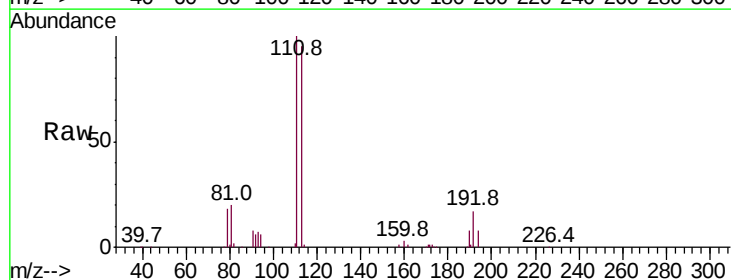
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-200035

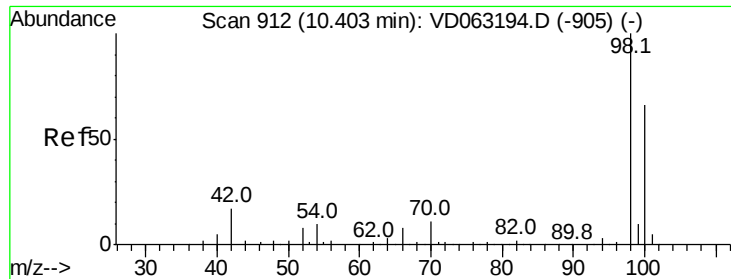
Tot Ion:114 Resp: 1529601
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.2
 88 16.6 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 44.771 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063379.D
 Acq: 5 Aug 2019 14:33

Tgt Ion:113 Resp: 584692
 Ion Ratio Lower Upper
 113 100
 111 105.0 83.2 124.8
 192 18.2 11.8 17.8#





#50

Toluene-d8

Concen: 42.084 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063379.D

Acq: 5 Aug 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

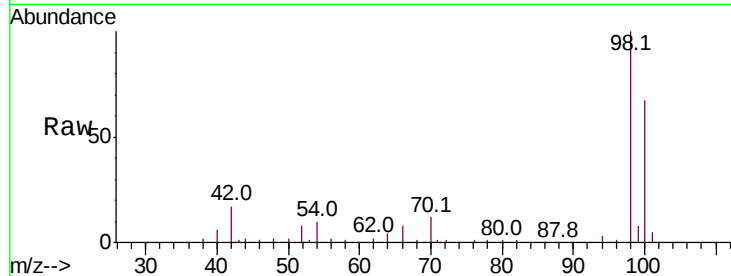
RBR-200035

Tot Ion: 98 Resp: 1229995

Ion Ratio Lower Upper

98 100

100 67.1 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)

10.41

600000

500000

400000

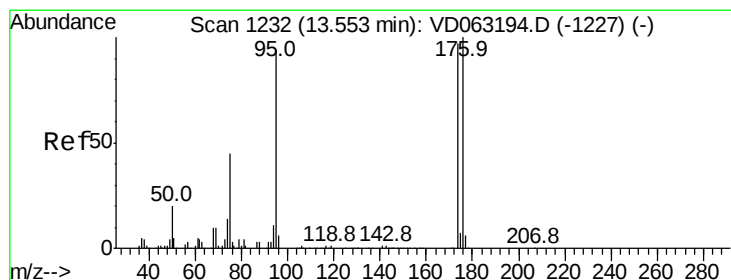
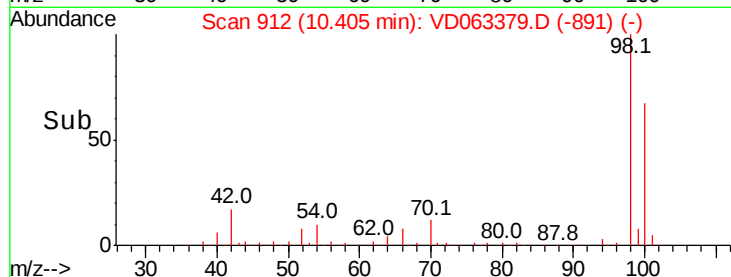
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 38.110 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063379.D

Acq: 5 Aug 2019 14:33

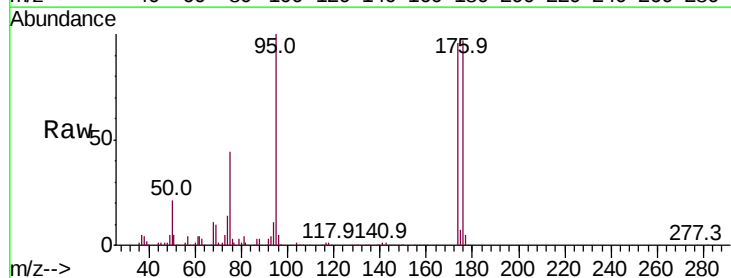
Tgt Ion: 95 Resp: 507569

Ion Ratio Lower Upper

95 100

174 96.4 0.0 205.4

176 96.9 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD063194.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD063194.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD063194.D (-1227) (-)

13.56

500000

400000

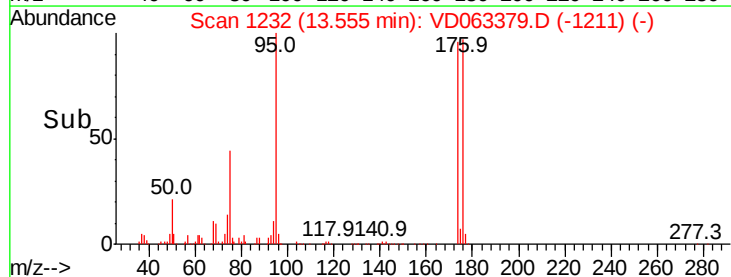
300000

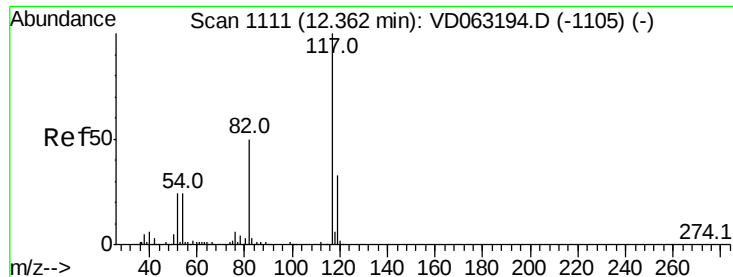
200000

100000

0

Time-->

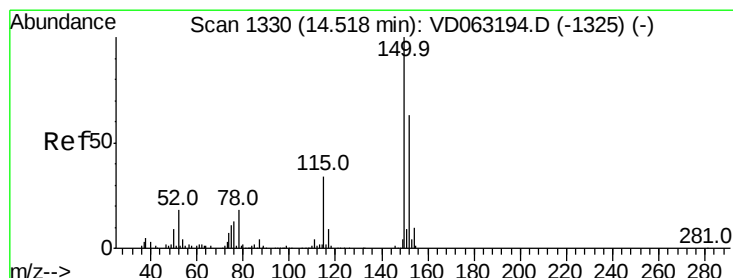
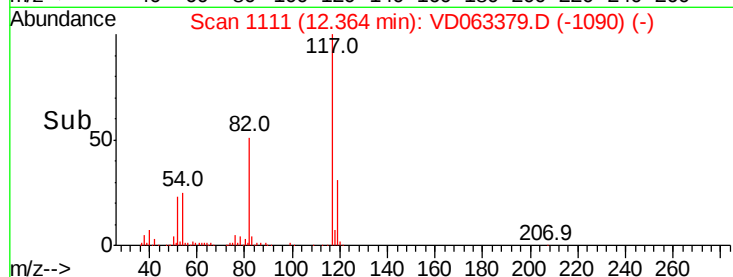
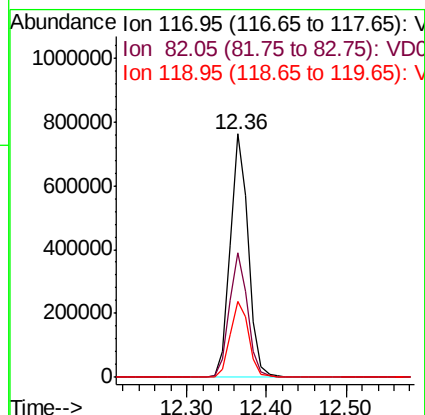
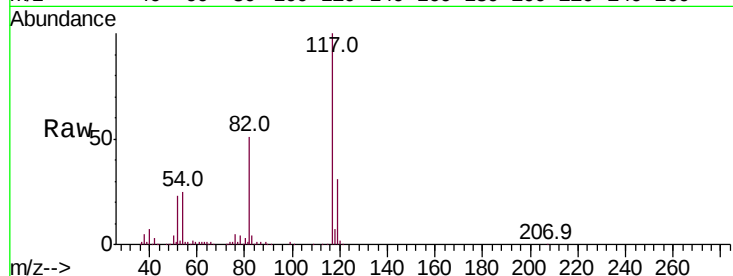




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063379.D
Acq: 5 Aug 2019 14:33

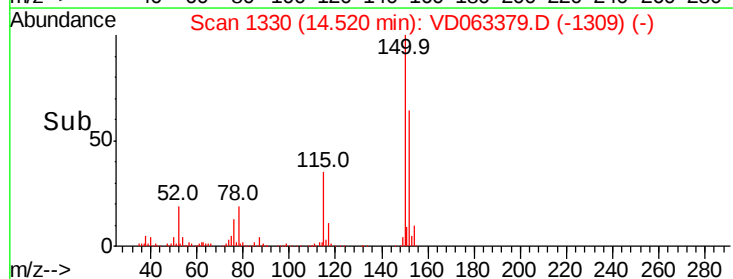
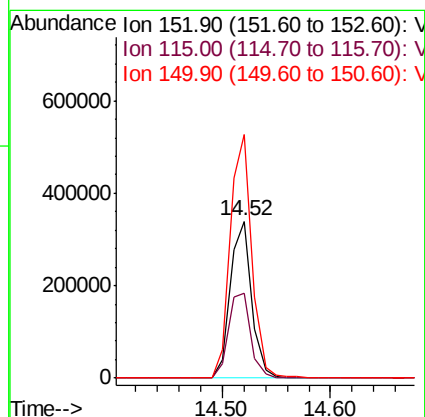
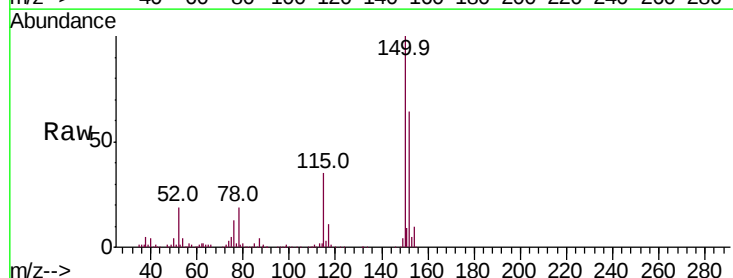
Instrument :
MSVOA_D
ClientSampleId :
RBR-200035

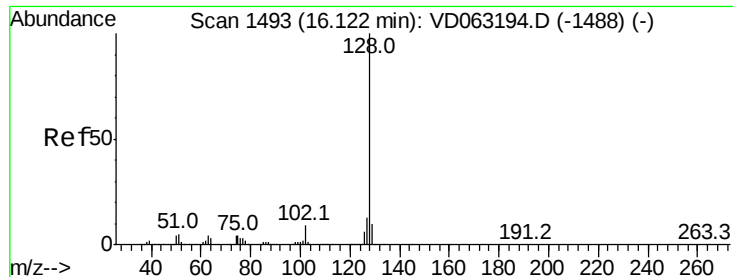
Tot Ion:117 Resp: 1221271
Ion Ratio Lower Upper
117 100
82 51.0 40.1 60.1
119 31.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063379.D
Acq: 5 Aug 2019 14:33

Tgt Ion:152 Resp: 466556
Ion Ratio Lower Upper
152 100
115 54.3 27.5 82.4
150 155.2 0.0 320.6





#95

Naphthalene

Concen: 1.130 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063379.D

Acq: 5 Aug 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

RBR-200035

Tot Ion:128 Resp: 16304

Ion Ratio Lower Upper

128 100

127 19.0 10.2 15.4#

129 11.2 7.8 11.8

