

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063209.D
 Acq On : 29 Jul 2019 19:51
 Operator : VA/AP
 Sample : K4049-02
 Misc : 4.13g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

Quant Time: Jul 30 03:57:14 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	7.05	168	654398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	899894	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	664978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	245030	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	478169	65.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.70%	
35) Dibromofluoromethane	6.92	113	543630	70.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.52%	
50) Toluene-d8	10.40	98	1069291	62.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.38%	
62) 4-Bromofluorobenzene	13.55	95	362442	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

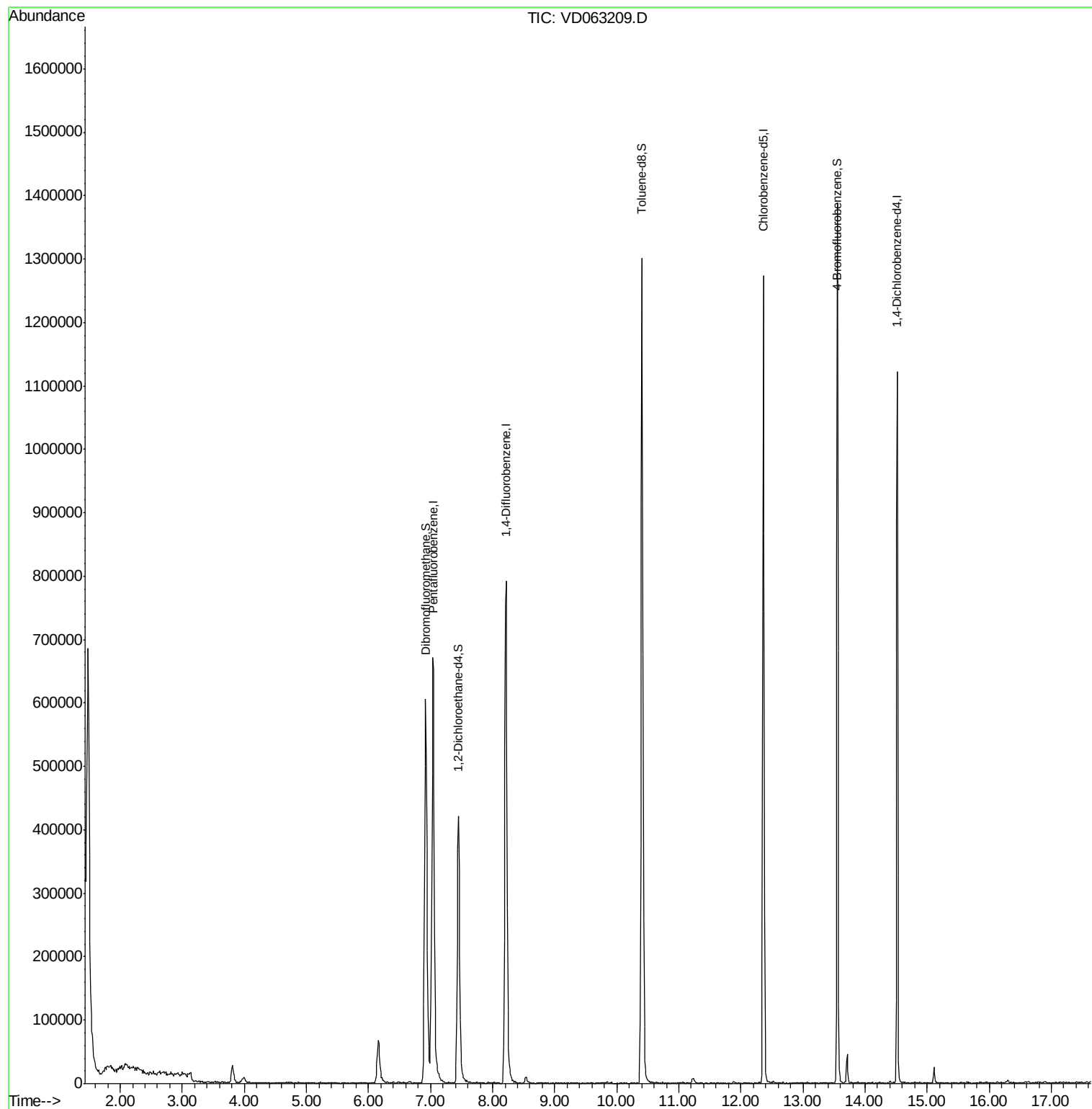
Target Compounds	Qvalue

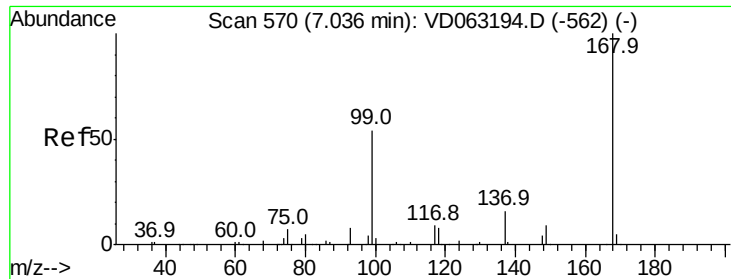
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 30 03:04:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063209.D

Acq: 29 Jul 2019 19:51

Instrument :

MSVOA_D

ClientSampleId :

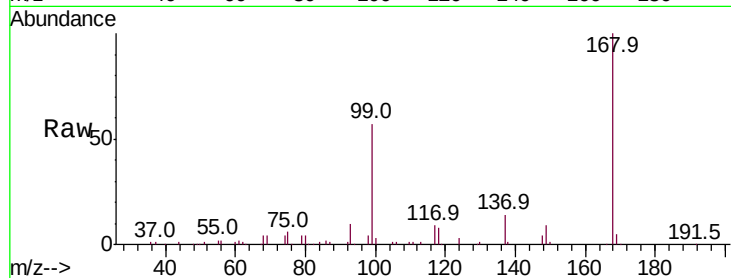
SP-2

Tot Ion:168 Resp: 654398

Ion Ratio Lower Upper

168 100

99 56.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

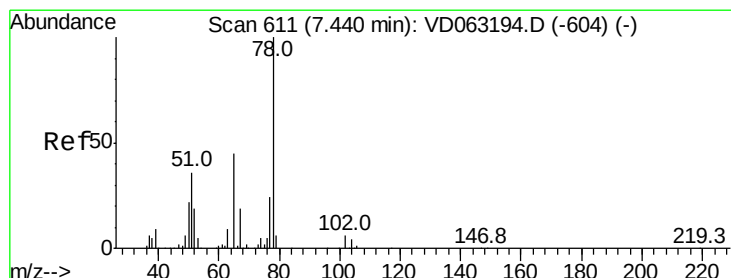
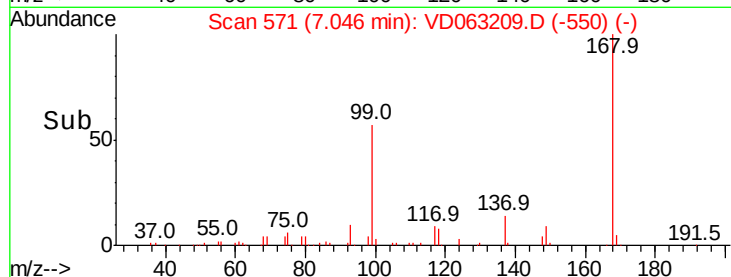
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 65.853 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063209.D

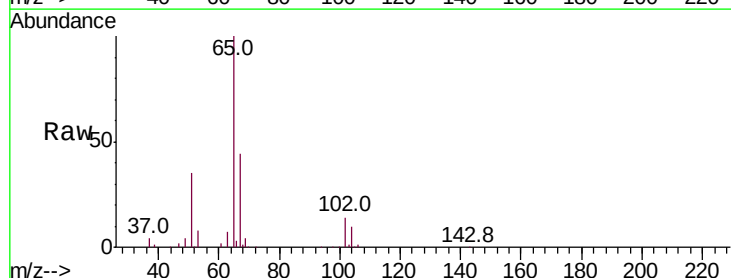
Acq: 29 Jul 2019 19:51

Tgt Ion: 65 Resp: 478169

Ion Ratio Lower Upper

65 100

67 44.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

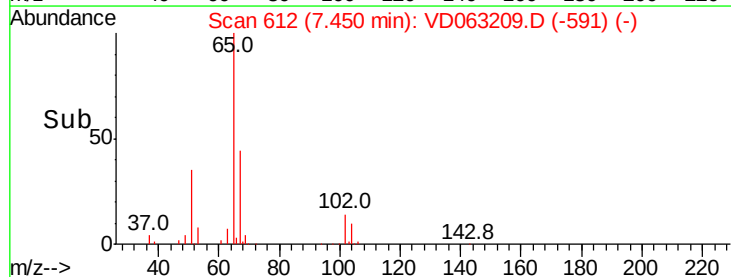
150000

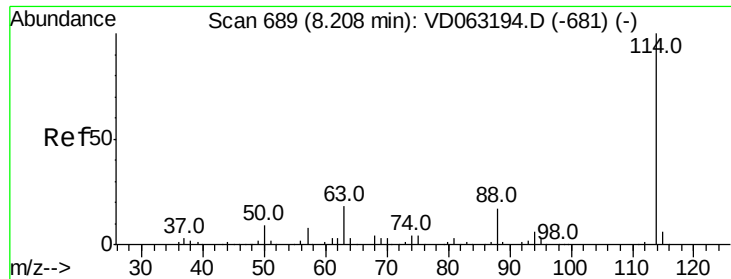
100000

50000

0

Time-->

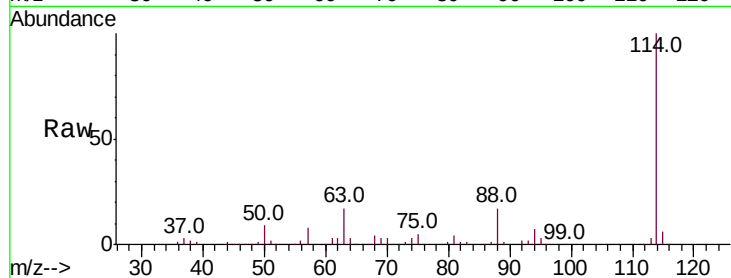




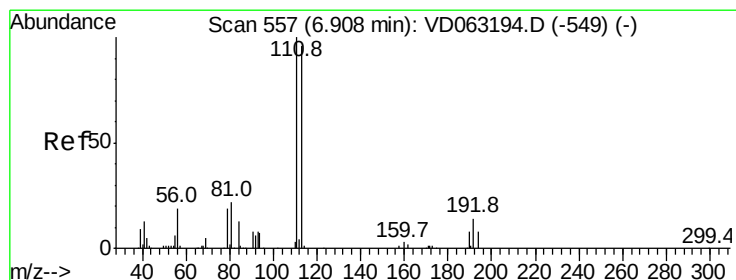
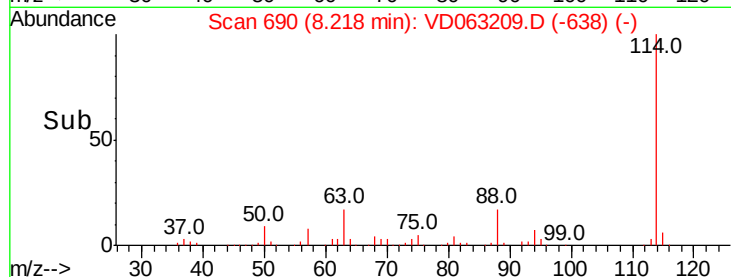
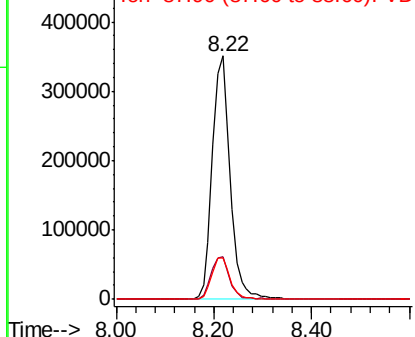
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063209.D
 Acq: 29 Jul 2019 19:51

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-2

Tot Ion:114 Resp: 899894
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 16.9 0.0 34.6

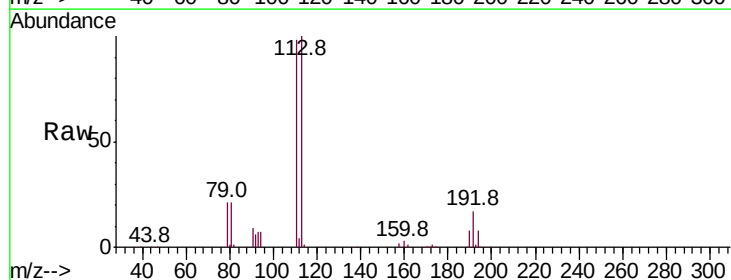


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

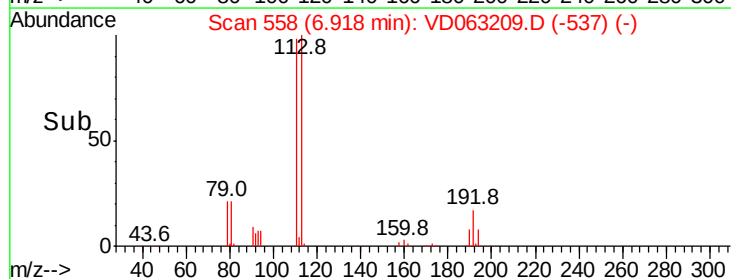
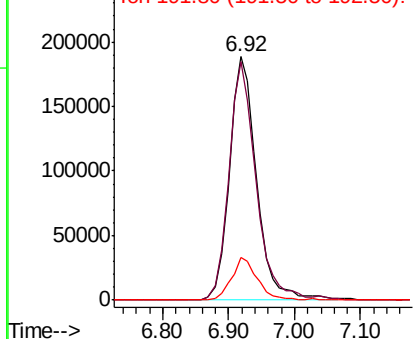


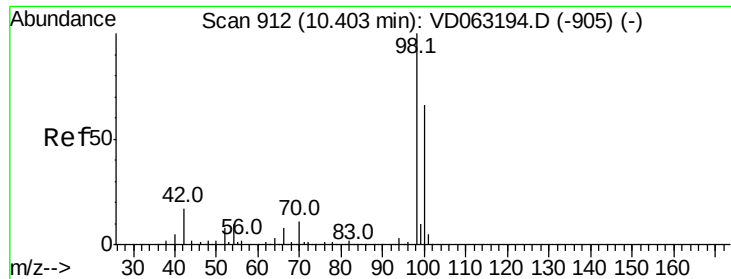
#35
 Dibromofluoromethane
 Concen: 70.756 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063209.D
 Acq: 29 Jul 2019 19:51

Tgt Ion:113 Resp: 543630
 Ion Ratio Lower Upper
 113 100
 111 98.2 83.2 124.8
 192 17.4 11.8 17.8



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: 62.187 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063209.D

Acq: 29 Jul 2019 19:51

Instrument :

MSVOA_D

ClientSampled :

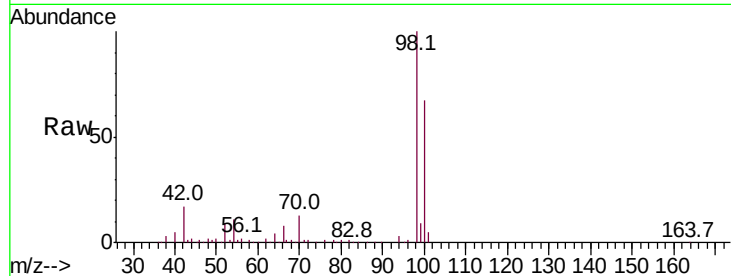
SP-2

Tot Ion: 98 Resp: 1069291

Ion Ratio Lower Upper

98 100

100 67.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.40

500000

400000

300000

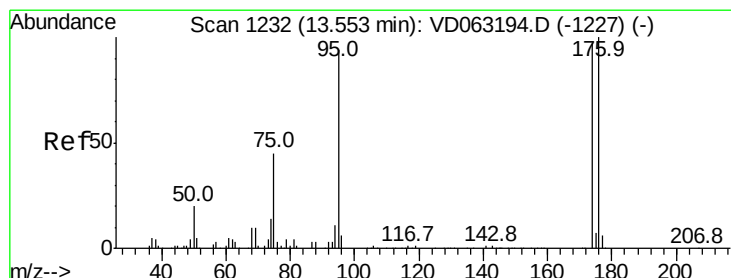
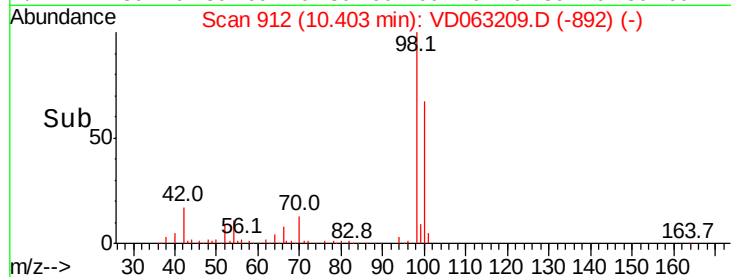
200000

100000

0

Time-->

10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 46.256 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063209.D

Acq: 29 Jul 2019 19:51

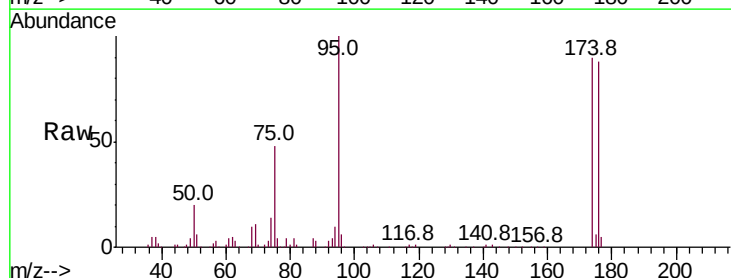
Tgt Ion: 95 Resp: 362442

Ion Ratio Lower Upper

95 100

174 90.3 0.0 205.4

176 87.5 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

300000

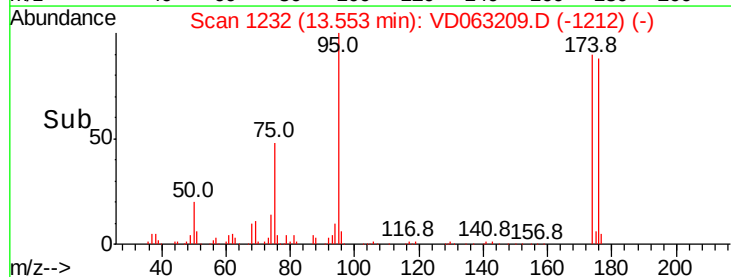
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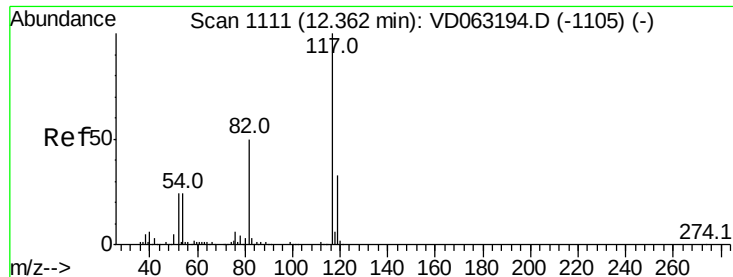
100000

0

Time-->

13.50 13.55 13.60

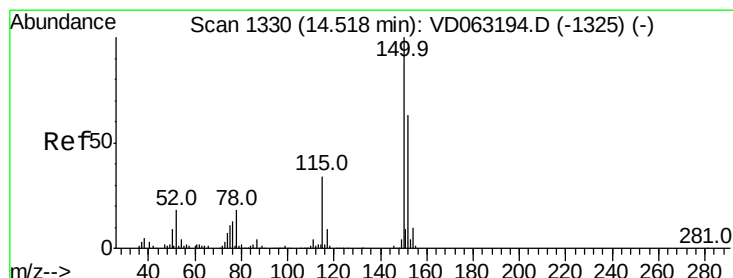
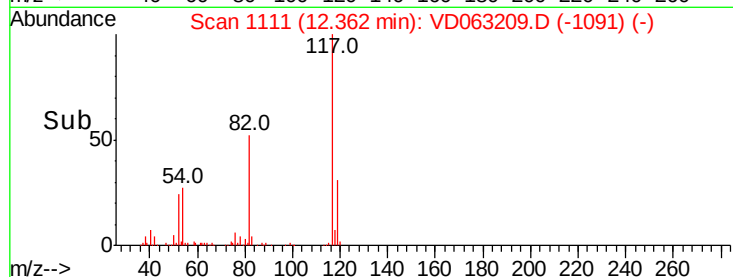
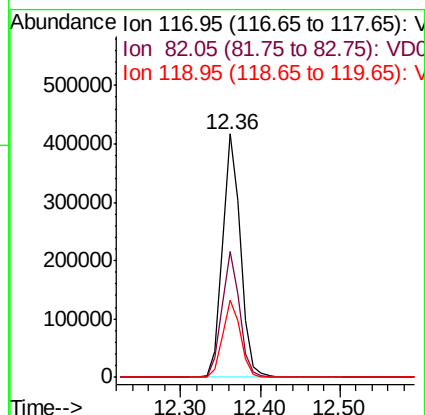
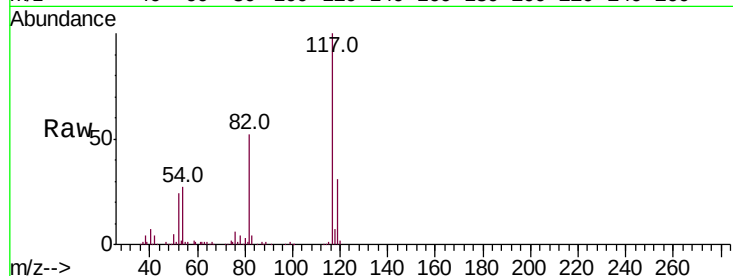




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063209.D
Acq: 29 Jul 2019 19:51

Instrument :
MSVOA_D
ClientSampled :
SP-2

Tot Ion:117 Resp: 664978
Ion Ratio Lower Upper
117 100
82 51.7 40.1 60.1
119 31.5 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: VD063209.D
Acq: 29 Jul 2019 19:51

Tgt Ion:152 Resp: 245030
Ion Ratio Lower Upper
152 100
115 57.1 27.5 82.4
150 161.7 0.0 320.6

