

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063143.D
 Acq On : 17 Jul 2019 20:43
 Operator : VA/AP
 Sample : K3852-02
 Misc : 4.54g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2_071619

Quant Time: Jul 18 08:08:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	714667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	969314	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	685421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	269851	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	346102	38.88	ug/l	0.00
Spiked Amount			Recovery	=	77.76%	
35) Dibromofluoromethane	6.92	113	373101	38.64	ug/l	0.00
Spiked Amount			Recovery	=	77.28%	
50) Toluene-d8	10.41	98	744942	35.92	ug/l	0.00
Spiked Amount			Recovery	=	71.84%	
62) 4-Bromofluorobenzene	13.55	95	259068	27.00	ug/l	0.00
Spiked Amount			Recovery	=	54.00%	

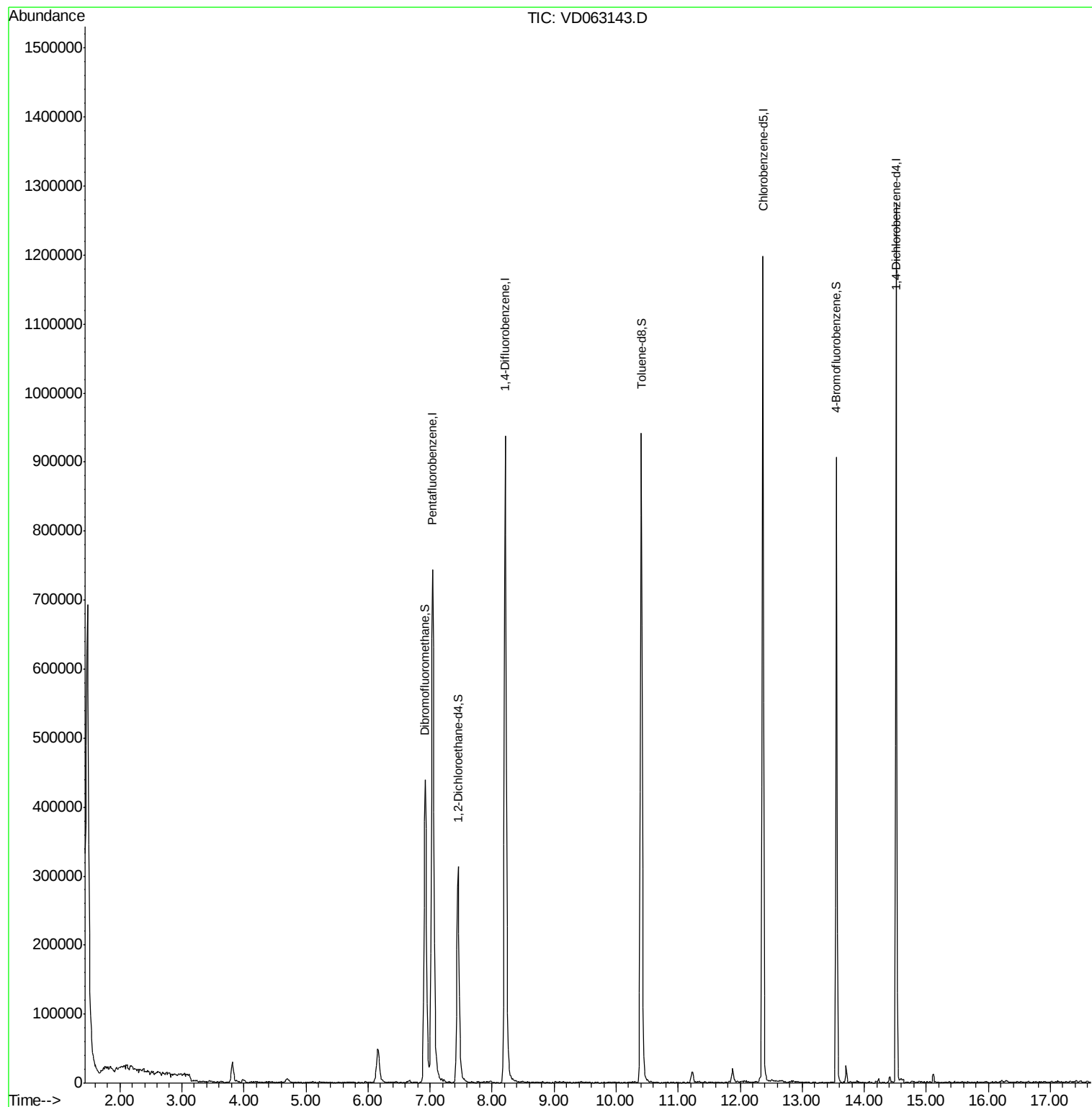
Target Compounds	Qvalue
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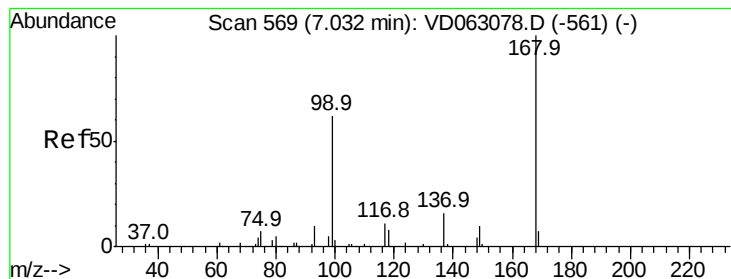
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071719\
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063143.D

Acq: 17 Jul 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

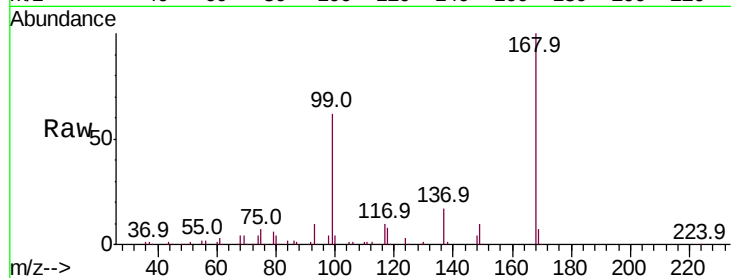
COMP-2_071619

Tot Ion:168 Resp: 714667

Ion Ratio Lower Upper

168 100

99 61.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

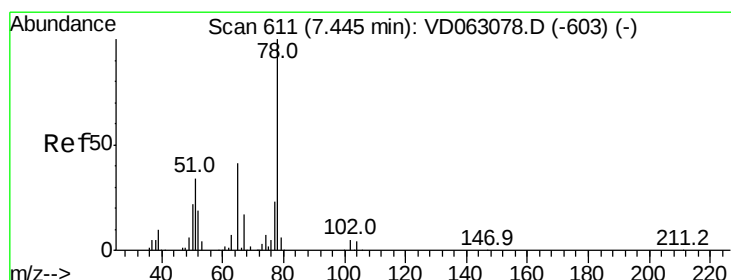
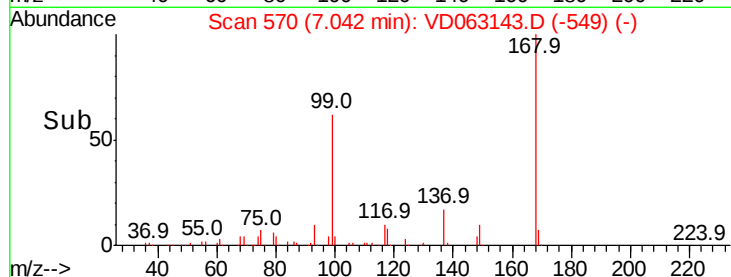
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 38.877 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063143.D

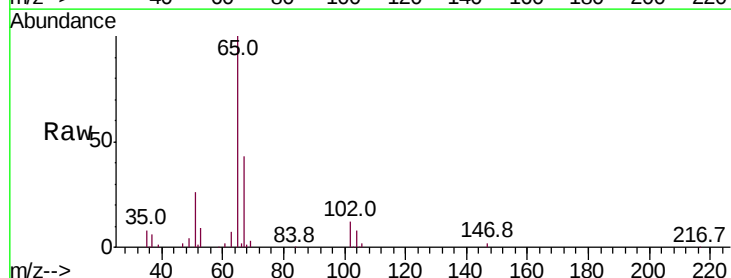
Acq: 17 Jul 2019 20:43

Tgt Ion: 65 Resp: 346102

Ion Ratio Lower Upper

65 100

67 43.4 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

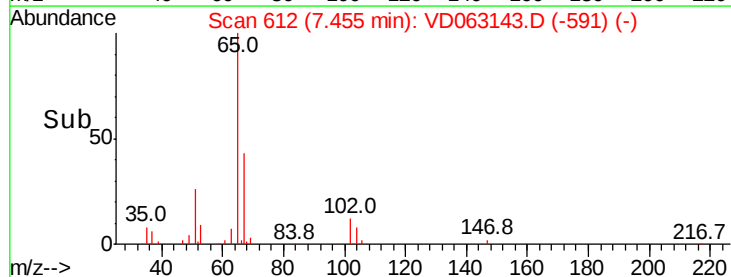
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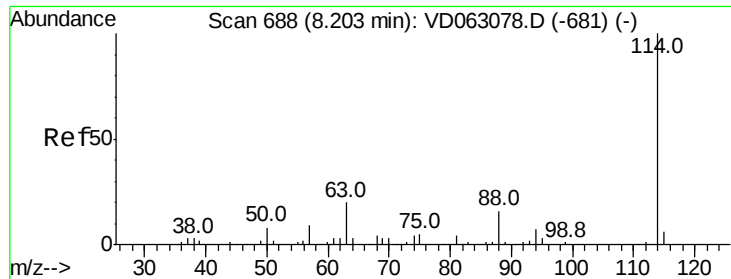
100000

50000

0

Time-->

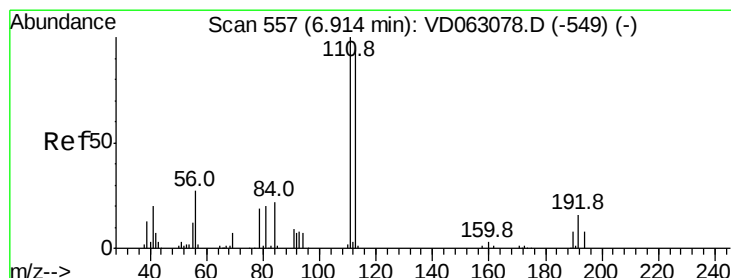
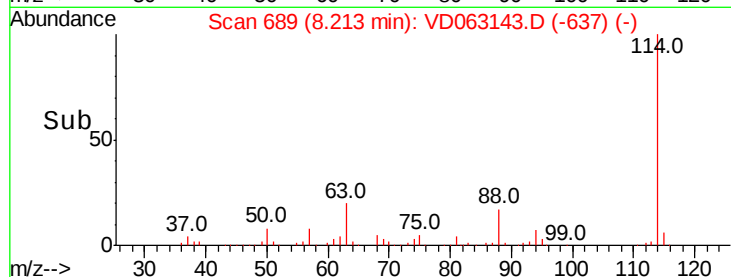
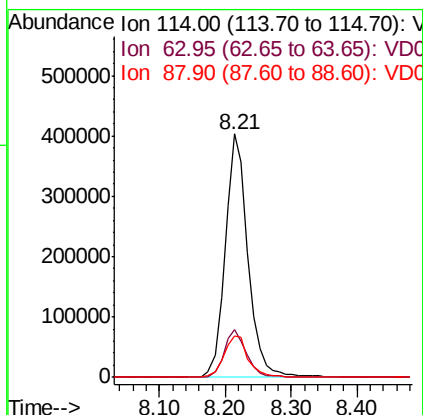
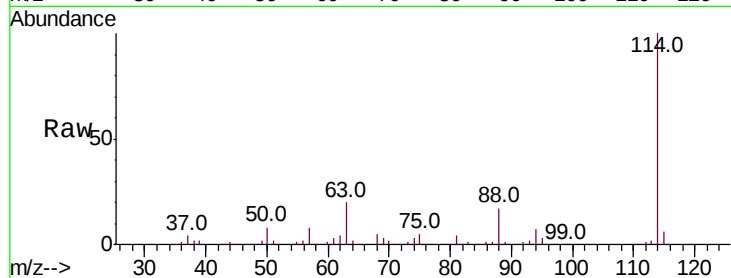




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063143.D
 Acq: 17 Jul 2019 20:43

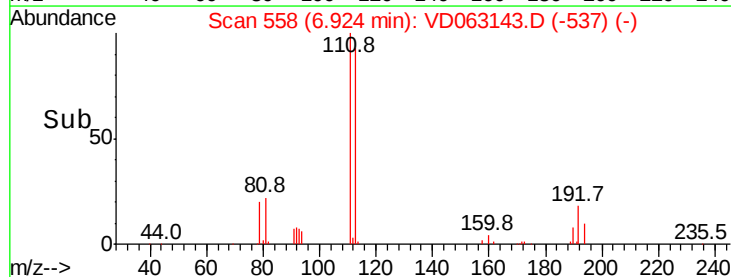
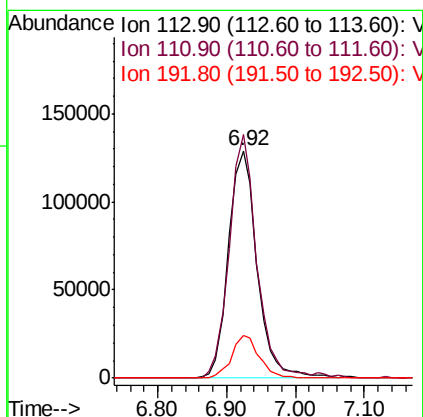
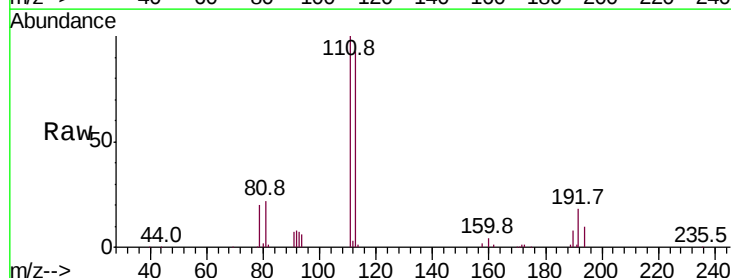
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2_071619

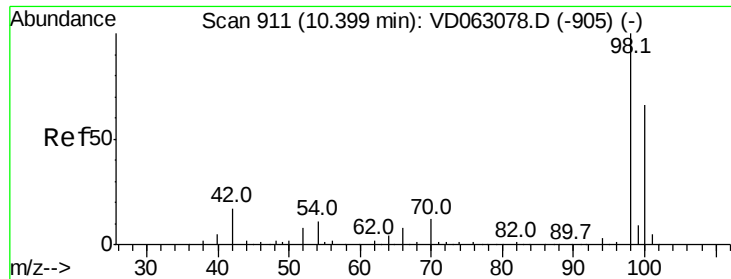
Tot Ion:114 Resp: 969314
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.6
 88 17.1 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 38.645 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063143.D
 Acq: 17 Jul 2019 20:43

Tgt Ion:113 Resp: 373101
 Ion Ratio Lower Upper
 113 100
 111 107.0 84.8 127.2
 192 18.9 13.4 20.0





#50

Toluene-d8

Concen: 35.921 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063143.D

Acq: 17 Jul 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

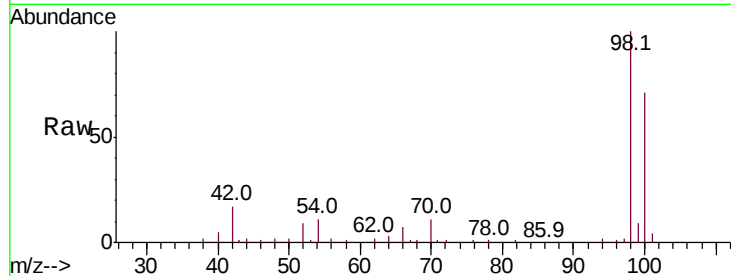
COMP-2_071619

Tot Ion: 98 Resp: 744942

Ion Ratio Lower Upper

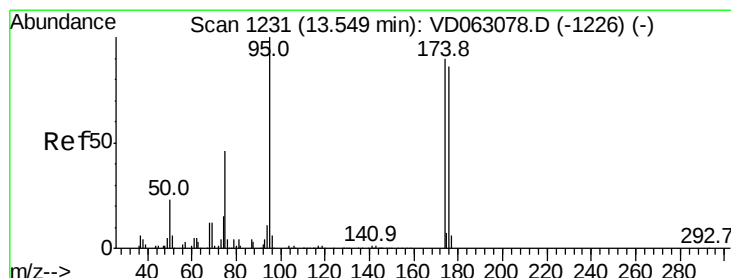
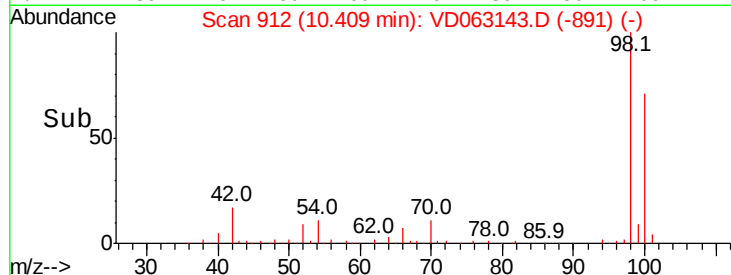
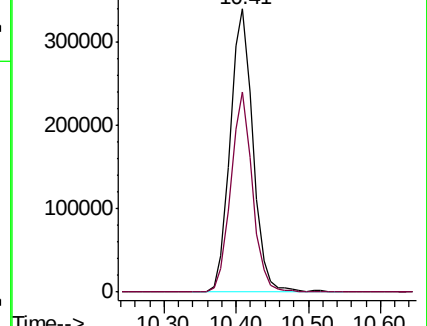
98 100

100 70.8 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: 27.003 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD063143.D

Acq: 17 Jul 2019 20:43

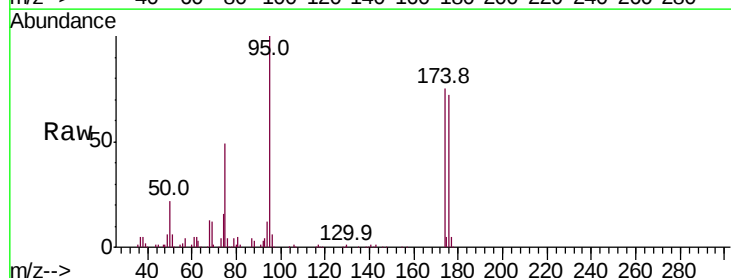
Tgt Ion: 95 Resp: 259068

Ion Ratio Lower Upper

95 100

174 75.3 0.0 180.6

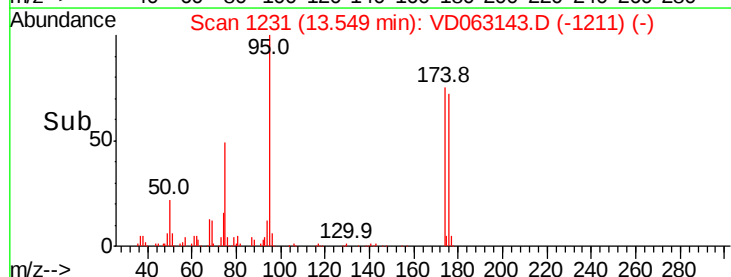
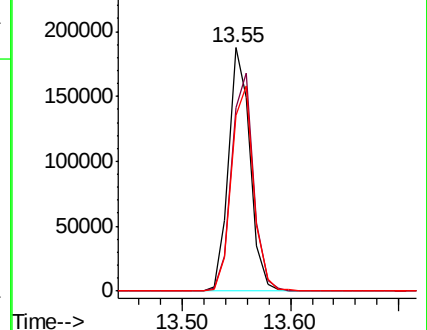
176 72.3 0.0 172.2

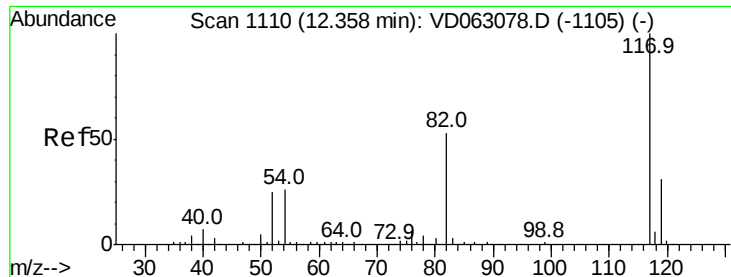


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

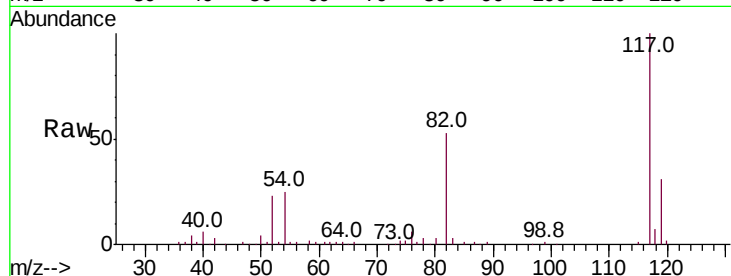




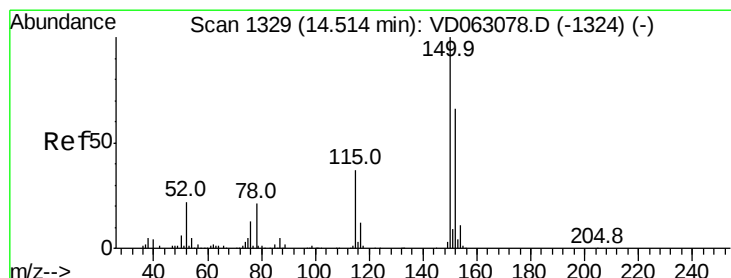
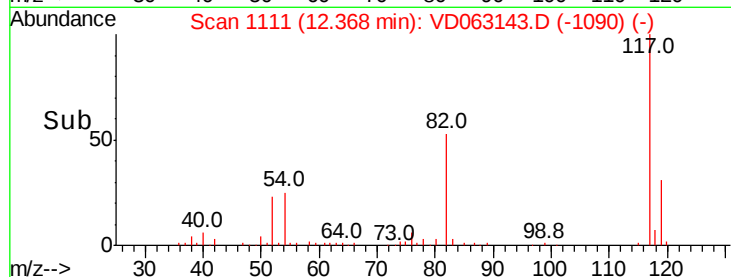
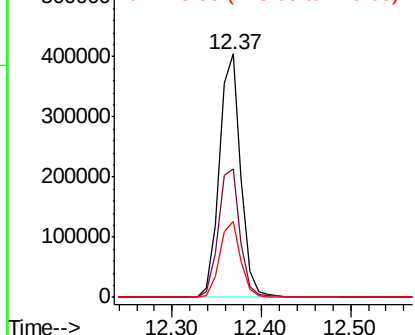
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063143.D
Acq: 17 Jul 2019 20:43

Instrument :
MSVOA_D
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COMP-2_071619

Tot Ion:117 Resp: 685421
Ion Ratio Lower Upper
117 100
82 53.0 42.3 63.5
119 31.1 25.2 37.8

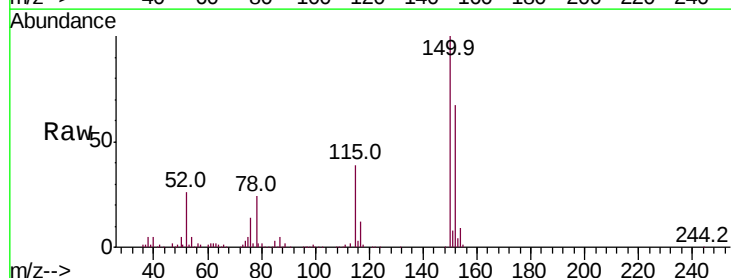


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD063143.D
Acq: 17 Jul 2019 20:43

Tgt Ion:152 Resp: 269851
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.8
150 150.1 0.0 313.8



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

