

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063226.D
 Acq On : 30 Jul 2019 5:22
 Operator : VA/AP
 Sample : K3621-07
 Misc : 5.8g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-072919

Quant Time: Jul 30 08:57:39 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	660864	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	941608	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	600870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	223425	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	440434	60.06	ug/l	0.01
Spiked Amount 50.000			Recovery	=	120.12%	
35) Dibromofluoromethane	6.92	113	482939	60.07	ug/l	0.01
Spiked Amount 50.000			Recovery	=	120.14%	
50) Toluene-d8	10.40	98	813994	45.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.48%	
62) 4-Bromofluorobenzene	13.55	95	259664	31.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.34%	

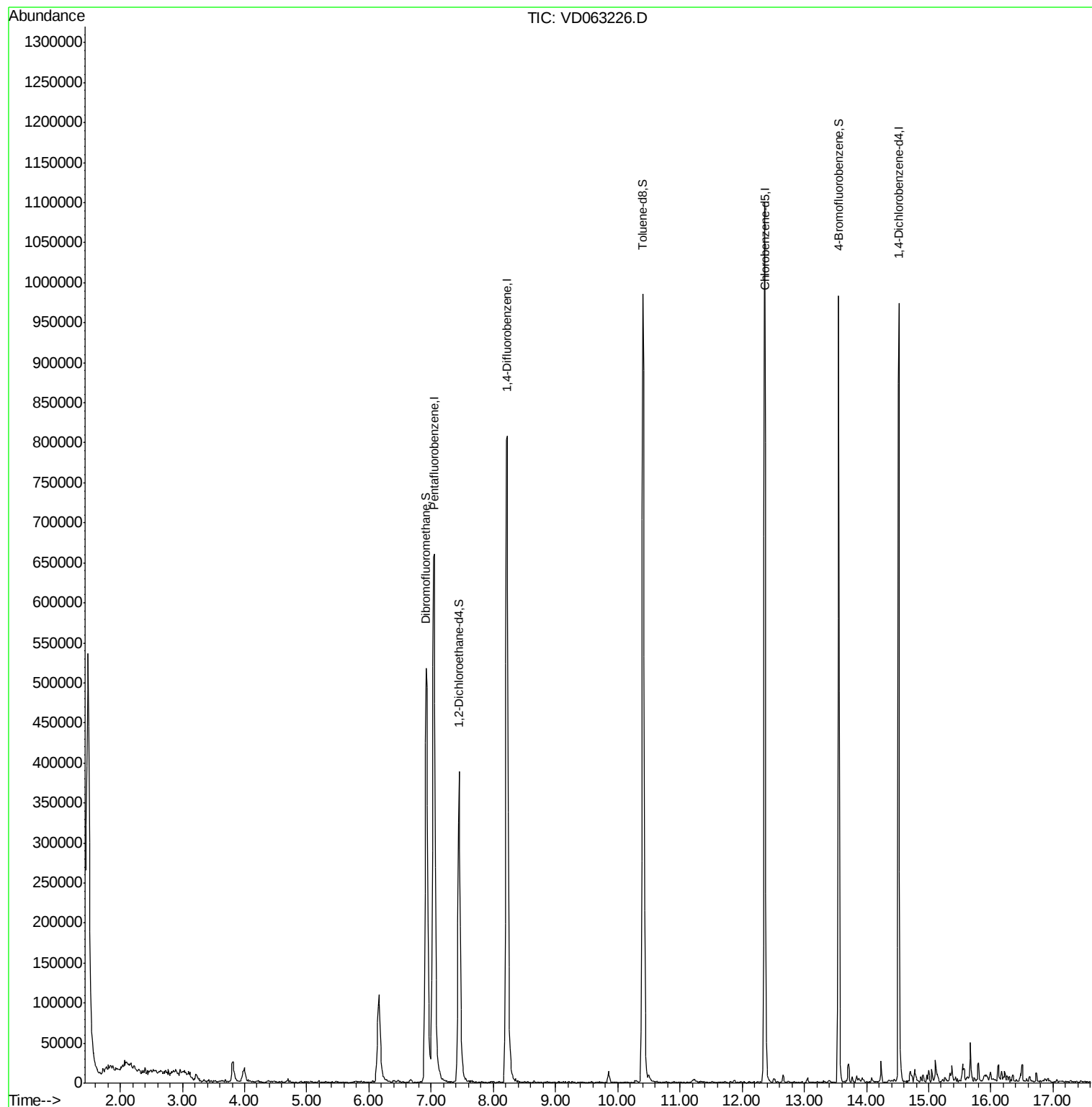
Target Compounds	Qvalue
------------------	--------

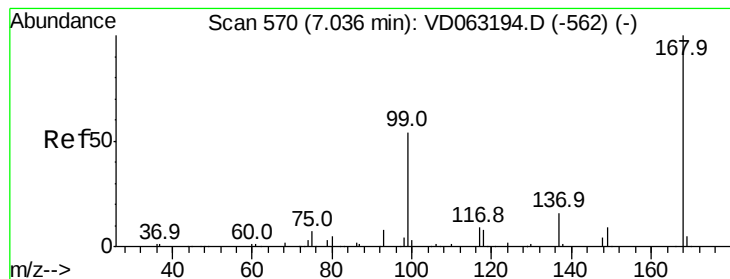
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063226.D
Acq On : 30 Jul 2019 5:22
Operator : VA/AP
Sample : K3621-07
Misc : 5.8g/5ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
OK-01-072919

Quant Time: Jul 30 08:57:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063226.D

Acq: 30 Jul 2019 5:22

Instrument :

MSVOA_D

ClientSampleId :

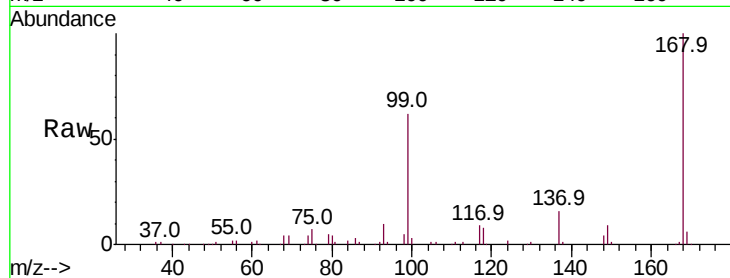
OK-01-072919

Tot Ion:168 Resp: 660864

Ion Ratio Lower Upper

168 100

99 61.8 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

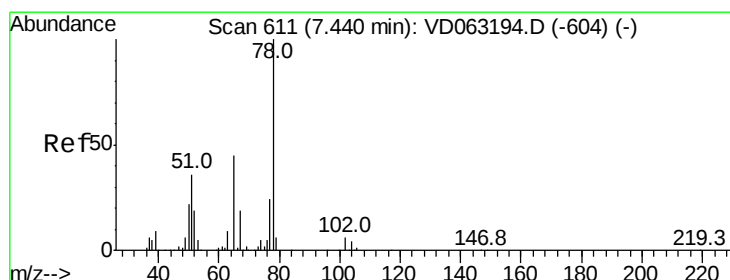
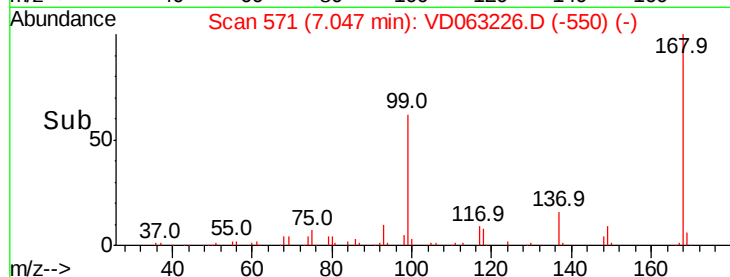
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: 60.063 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063226.D

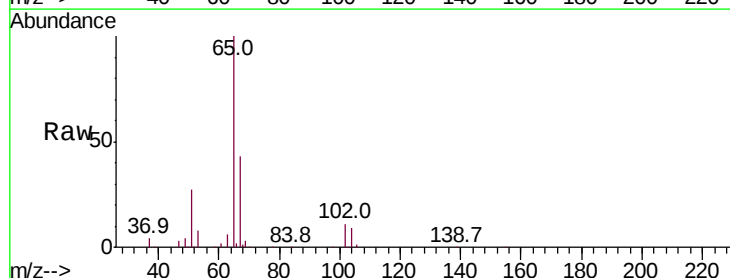
Acq: 30 Jul 2019 5:22

Tgt Ion: 65 Resp: 440434

Ion Ratio Lower Upper

65 100

67 43.1 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

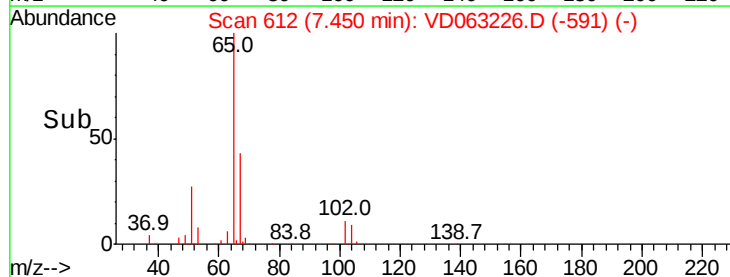
100000

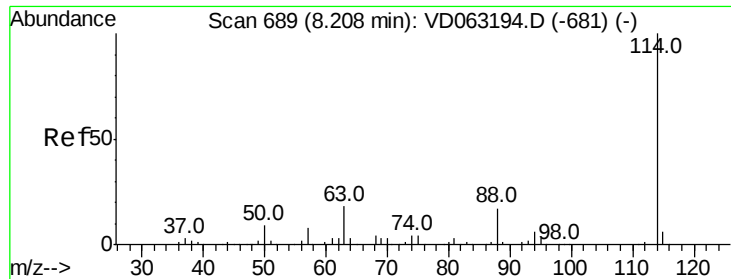
50000

0

Time-->

7.30 7.40 7.50 7.60

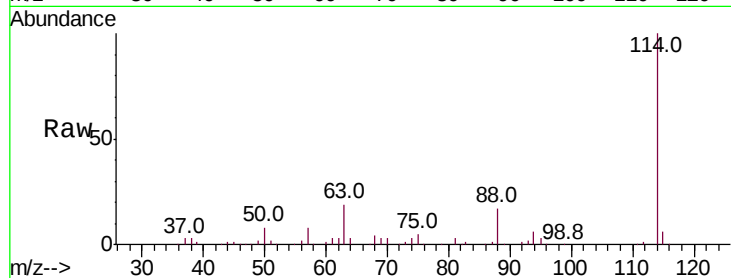




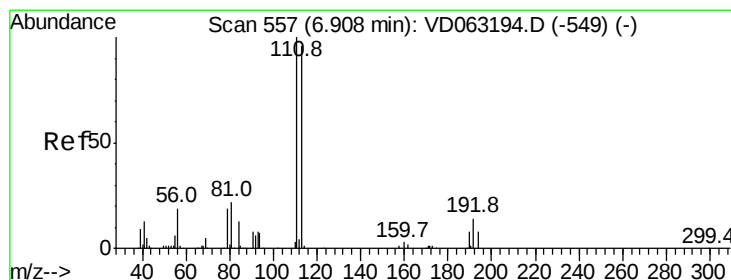
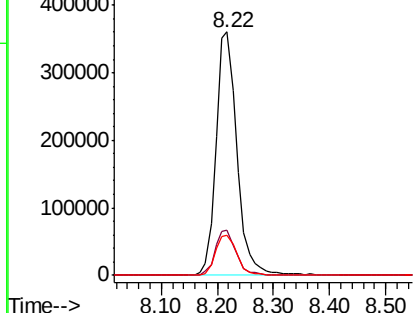
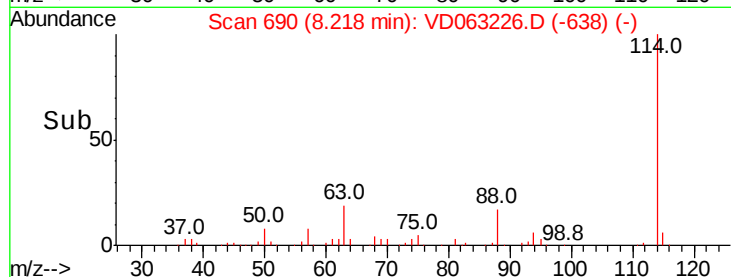
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063226.D
 Acq: 30 Jul 2019 5:22

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-072919

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

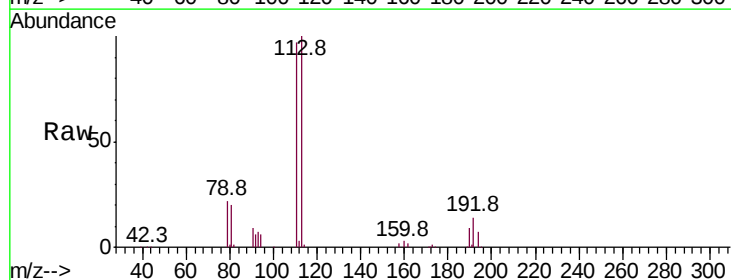


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

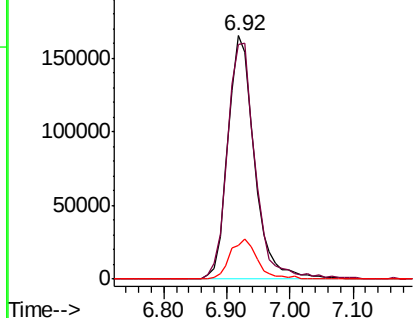
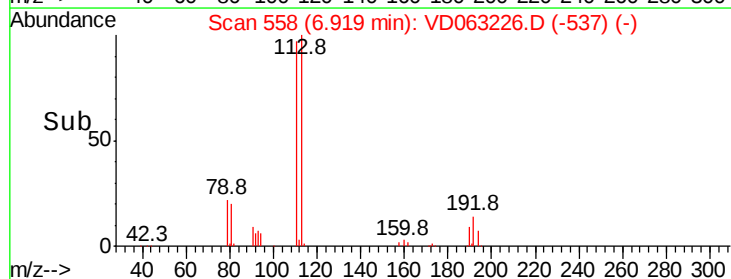


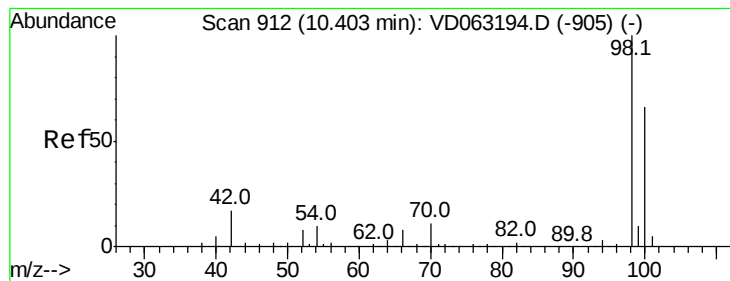
#35
 Dibromofluoromethane
 Concen: 60.072 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063226.D
 Acq: 30 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
113	100		
111	96.6	83.2	124.8
192	14.0	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: 45.242 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063226.D

Acq: 30 Jul 2019 5:22

Instrument :

MSVOA_D

ClientSampleId :

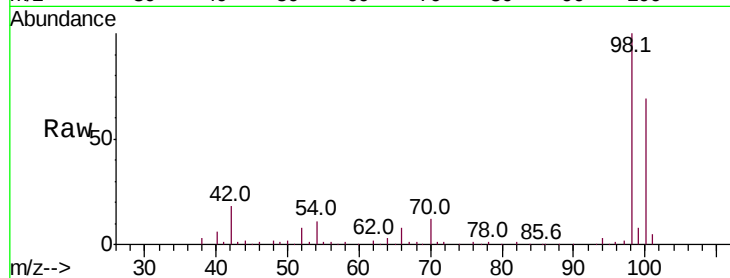
OK-01-072919

Tot Ion: 98 Resp: 813994

Ion Ratio Lower Upper

98 100

100 69.1 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

300000

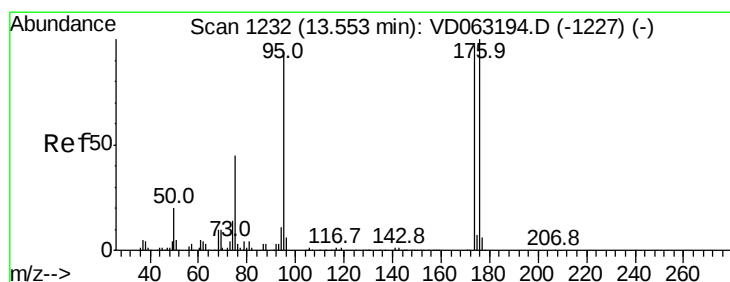
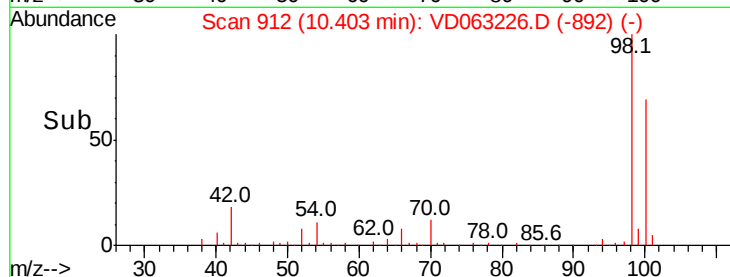
200000

100000

0

Time-->

10.30 10.40 10.50 10.60



#62

4-Bromofluorobenzene

Concen: 31.671 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063226.D

Acq: 30 Jul 2019 5:22

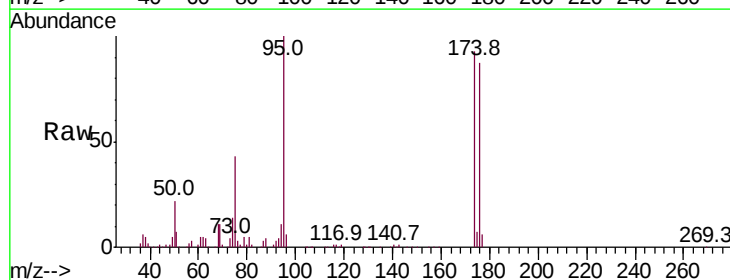
Tgt Ion: 95 Resp: 259664

Ion Ratio Lower Upper

95 100

174 92.7 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

13.55

200000

150000

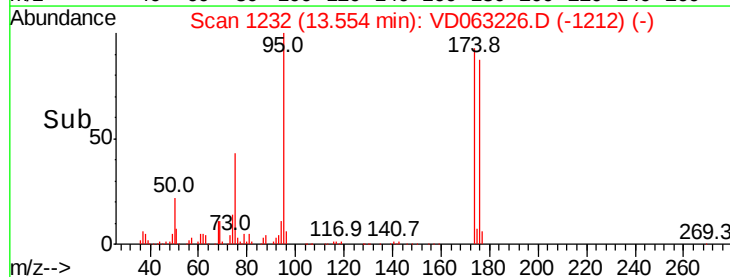
100000

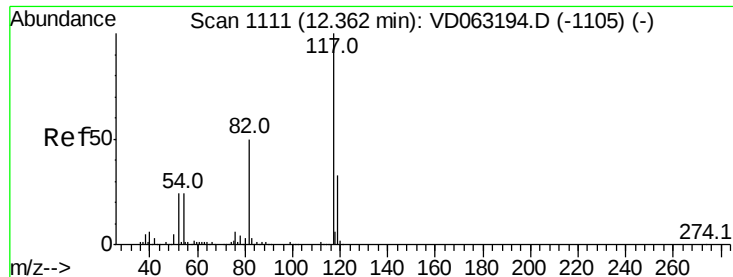
50000

0

Time-->

13.50 13.60 13.70

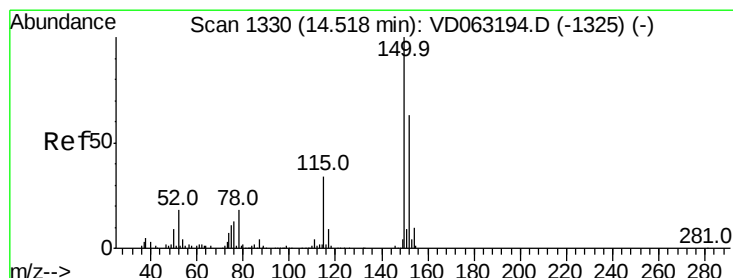
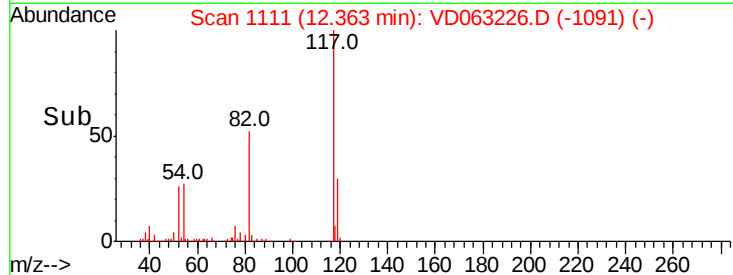
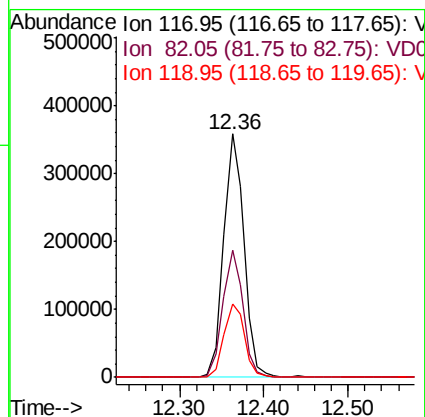
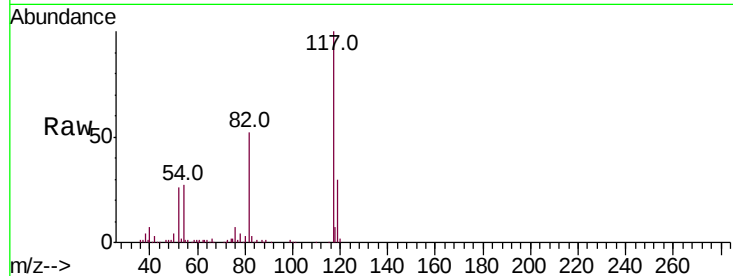




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063226.D
Acq: 30 Jul 2019 5:22

Instrument :
MSVOA_D
ClientSampleId :
OK-01-072919

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	40.1	60.1
119	29.9	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: VD063226.D
Acq: 30 Jul 2019 5:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	27.5	82.4
150	158.6	0.0	320.6

