

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064286.D
 Acq On : 19 Nov 2019 13:29
 Operator : VA/SY
 Sample : K5669-01
 Misc : 7.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-111519

Quant Time: Nov 20 04:44:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	968338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1381605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1192659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	570987	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	396021	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
35) Dibromofluoromethane	7.92	113	413768	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
50) Toluene-d8	10.34	98	1623952	54.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.56%	
62) 4-Bromofluorobenzene	12.64	95	507887	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	

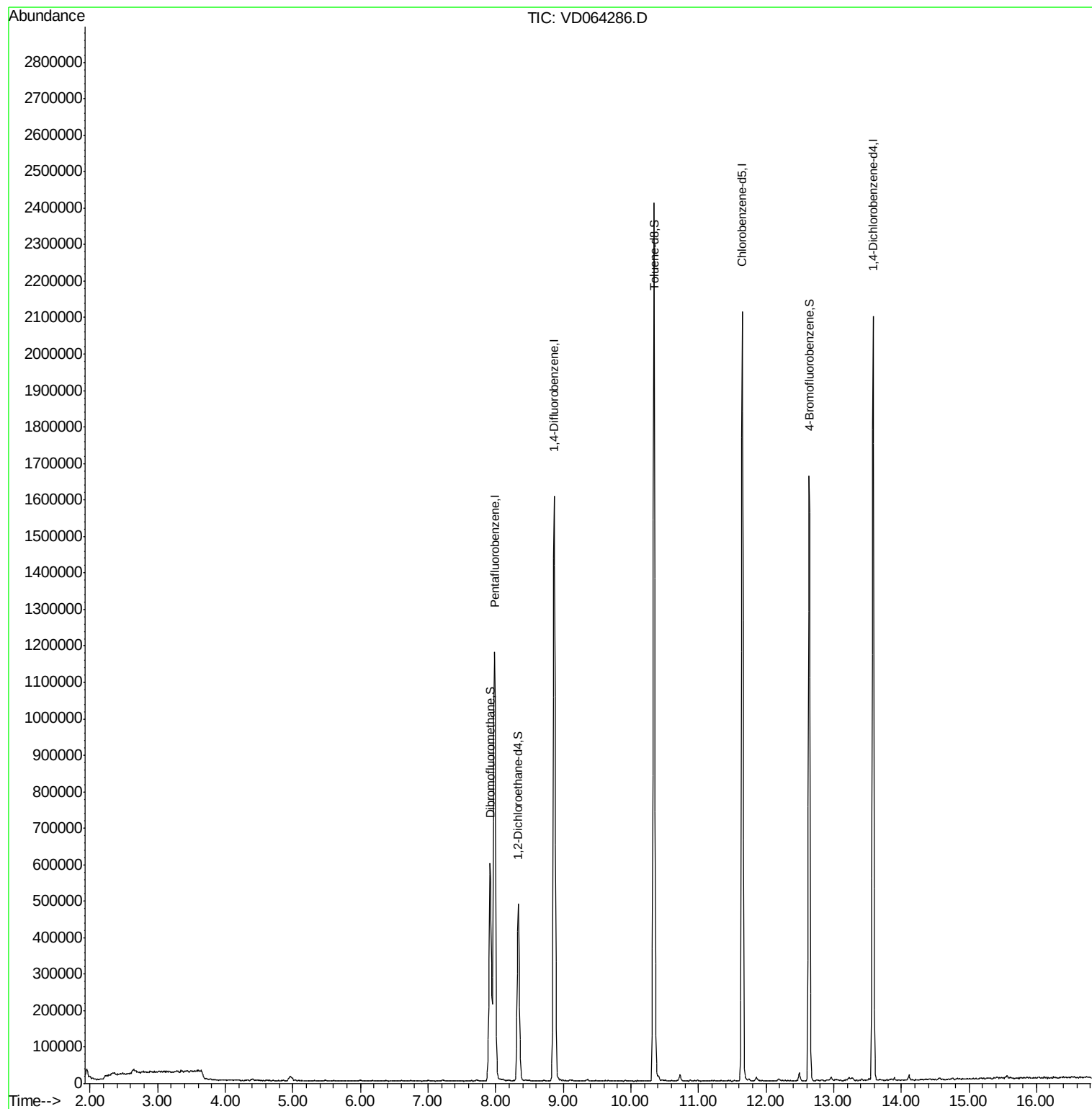
Target Compounds Qvalue

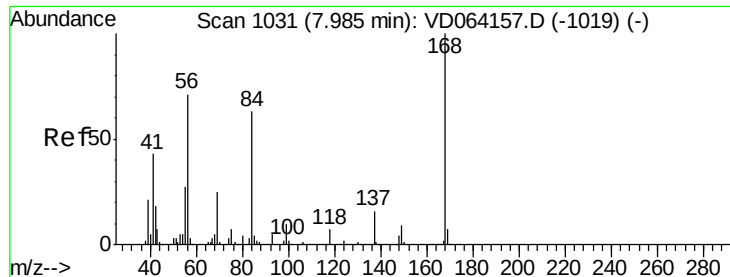
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 02:43:24 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064286.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

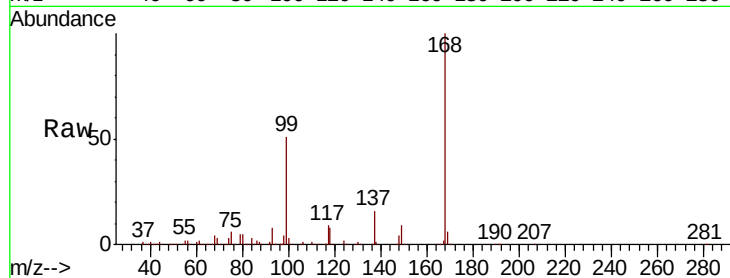
CL-02-111519

Tot Ion:168 Resp: 968338

Ion Ratio Lower Upper

168 100

99 50.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

400000

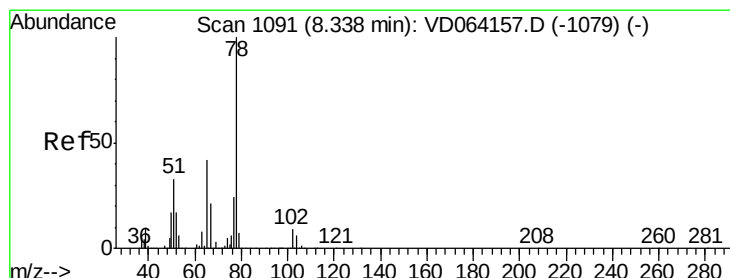
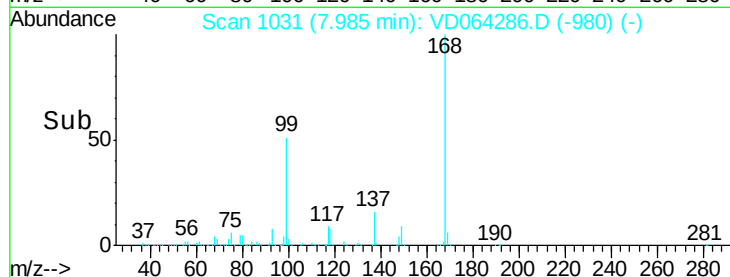
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.726 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064286.D

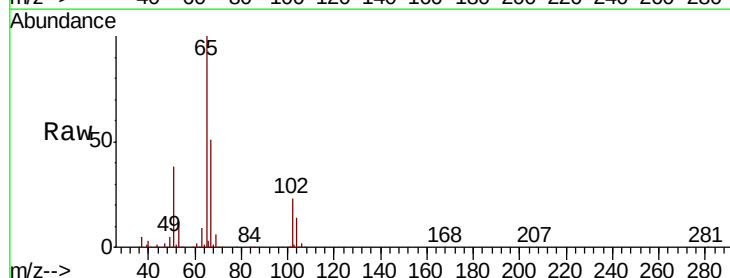
Acq: 19 Nov 2019 13:29

Tgt Ion: 65 Resp: 396021

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

200000

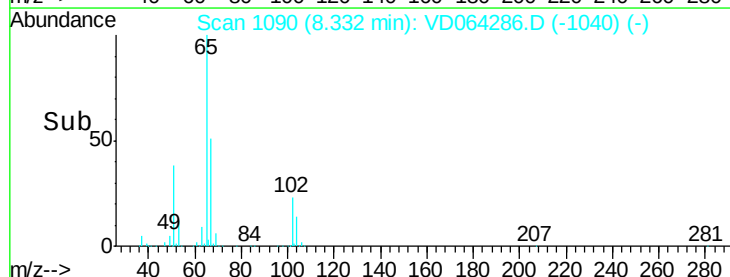
150000

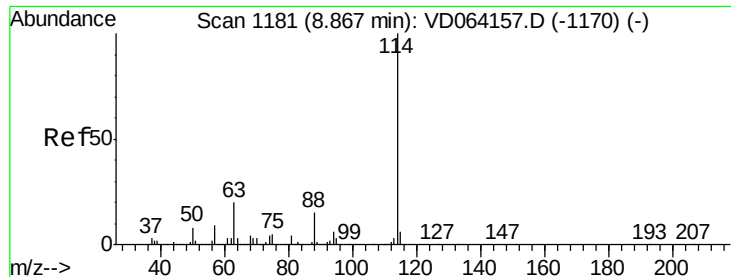
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064286.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

CL-02-111519

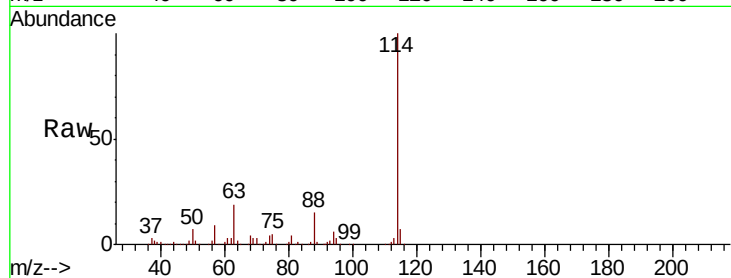
Tot Ion:114 Resp: 1381605

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

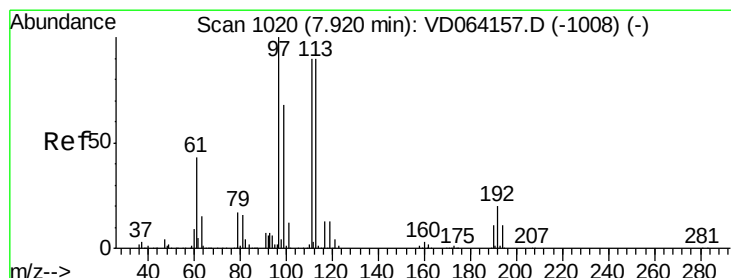
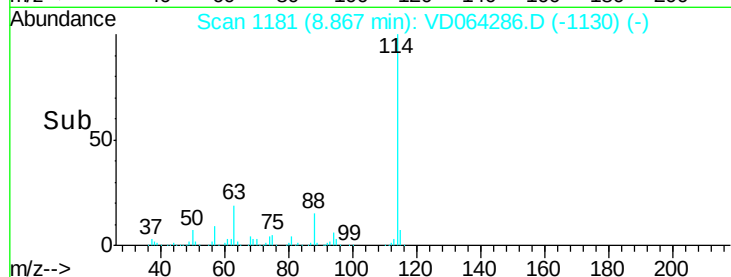
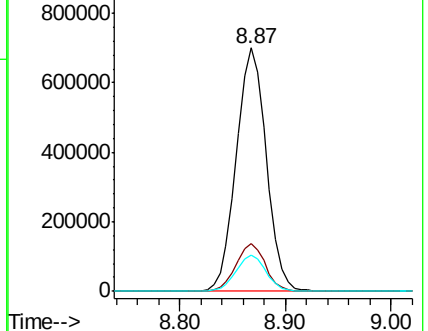
88 14.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 52.173 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064286.D

Acq: 19 Nov 2019 13:29

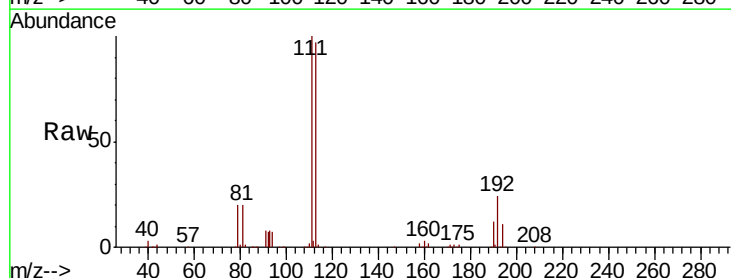
Tgt Ion:113 Resp: 413768

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

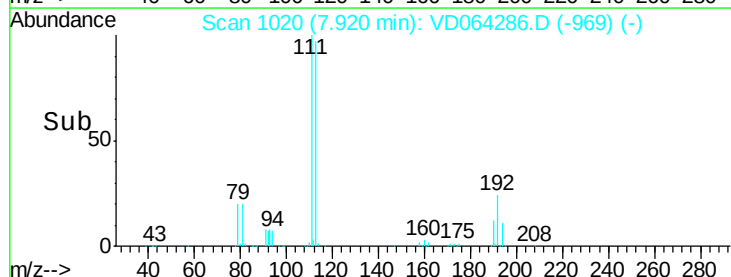
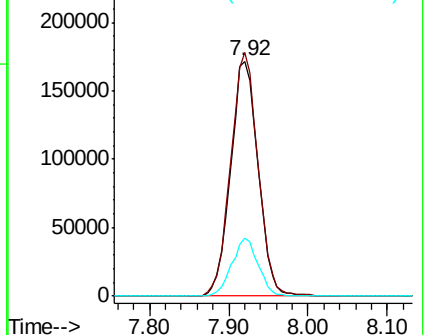
192 23.6 18.8 28.2

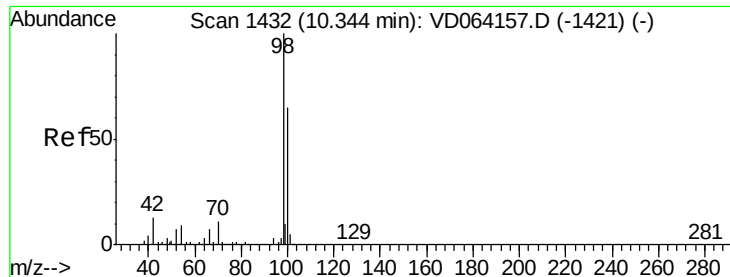


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 54.281 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064286.D

Acq: 19 Nov 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

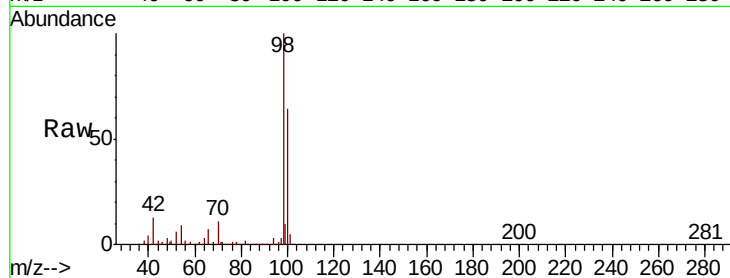
CL-02-111519

Tot Ion: 98 Resp: 1623952

Ion Ratio Lower Upper

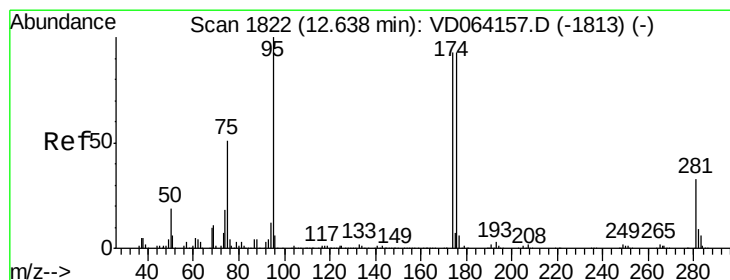
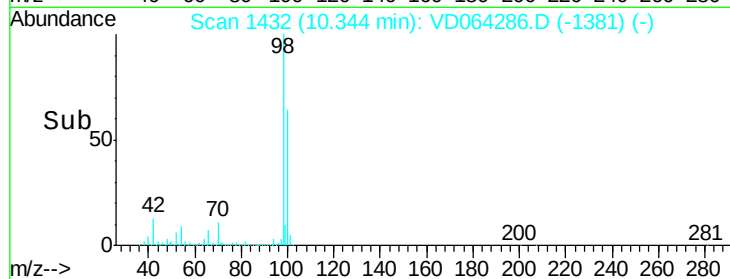
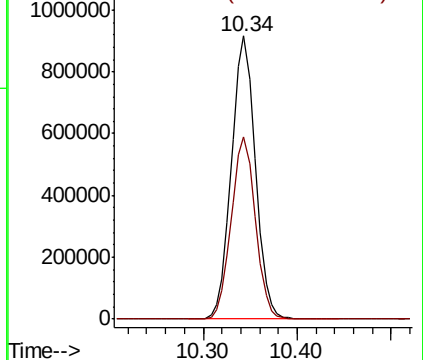
98 100

100 64.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.020 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064286.D

Acq: 19 Nov 2019 13:29

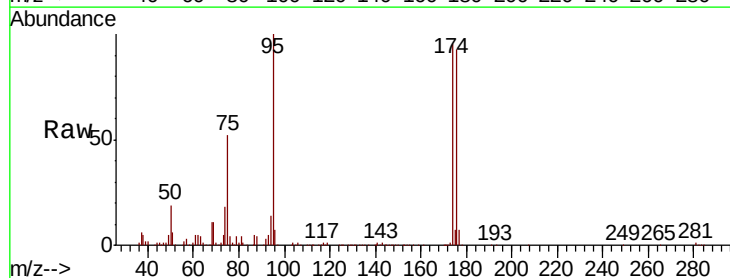
Tgt Ion: 95 Resp: 507887

Ion Ratio Lower Upper

95 100

174 96.9 0.0 183.6

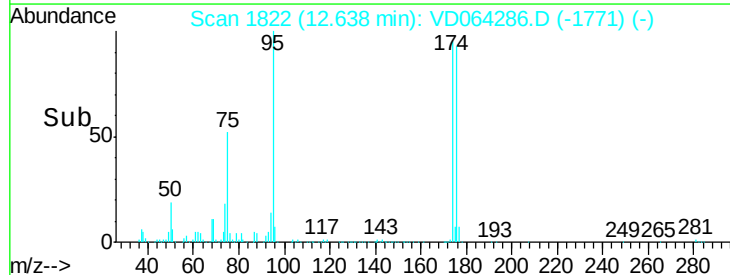
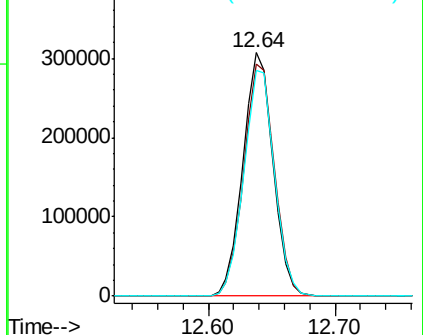
176 94.6 0.0 180.2

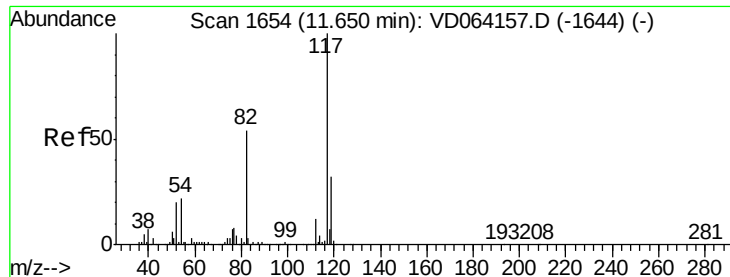


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

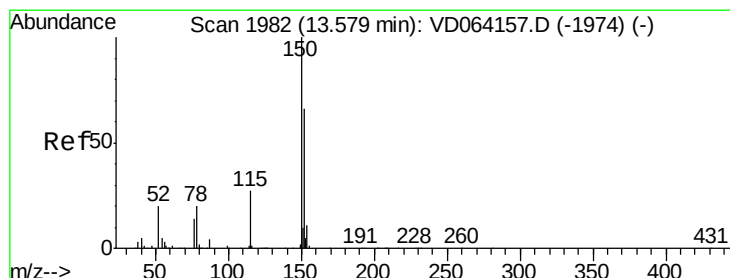
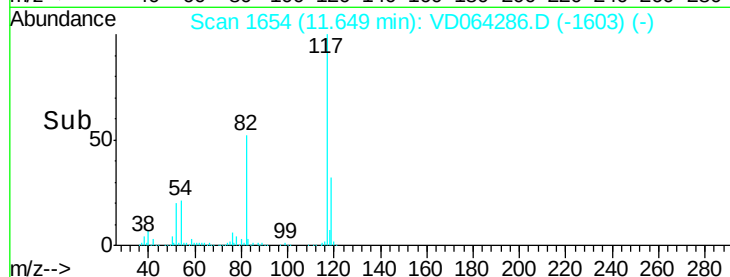
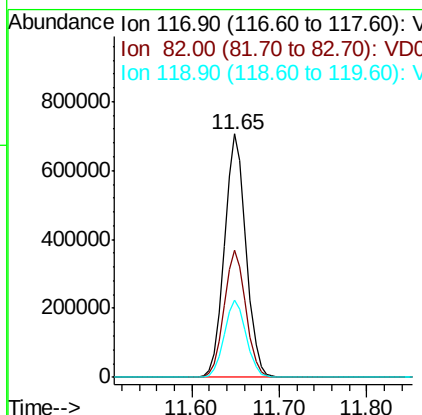
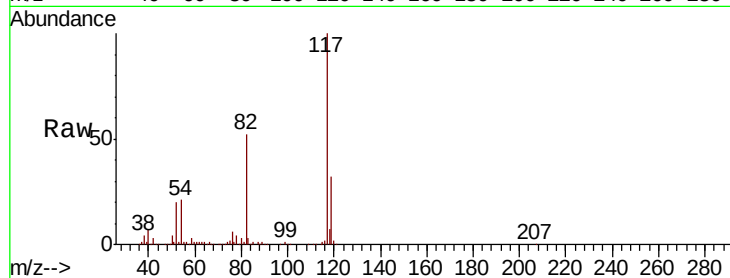




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064286.D
Acq: 19 Nov 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
CL-02-111519

Tot Ion:117 Resp: 1192659
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064286.D
Acq: 19 Nov 2019 13:29

Tgt Ion:152 Resp: 570987
Ion Ratio Lower Upper
152 100
115 53.2 27.4 82.2
150 155.1 0.0 351.6

