

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067379.D
 Acq On : 23 Oct 2020 13:53
 Operator : VA/SY
 Sample : L4501-02
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: Oct 24 07:42:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

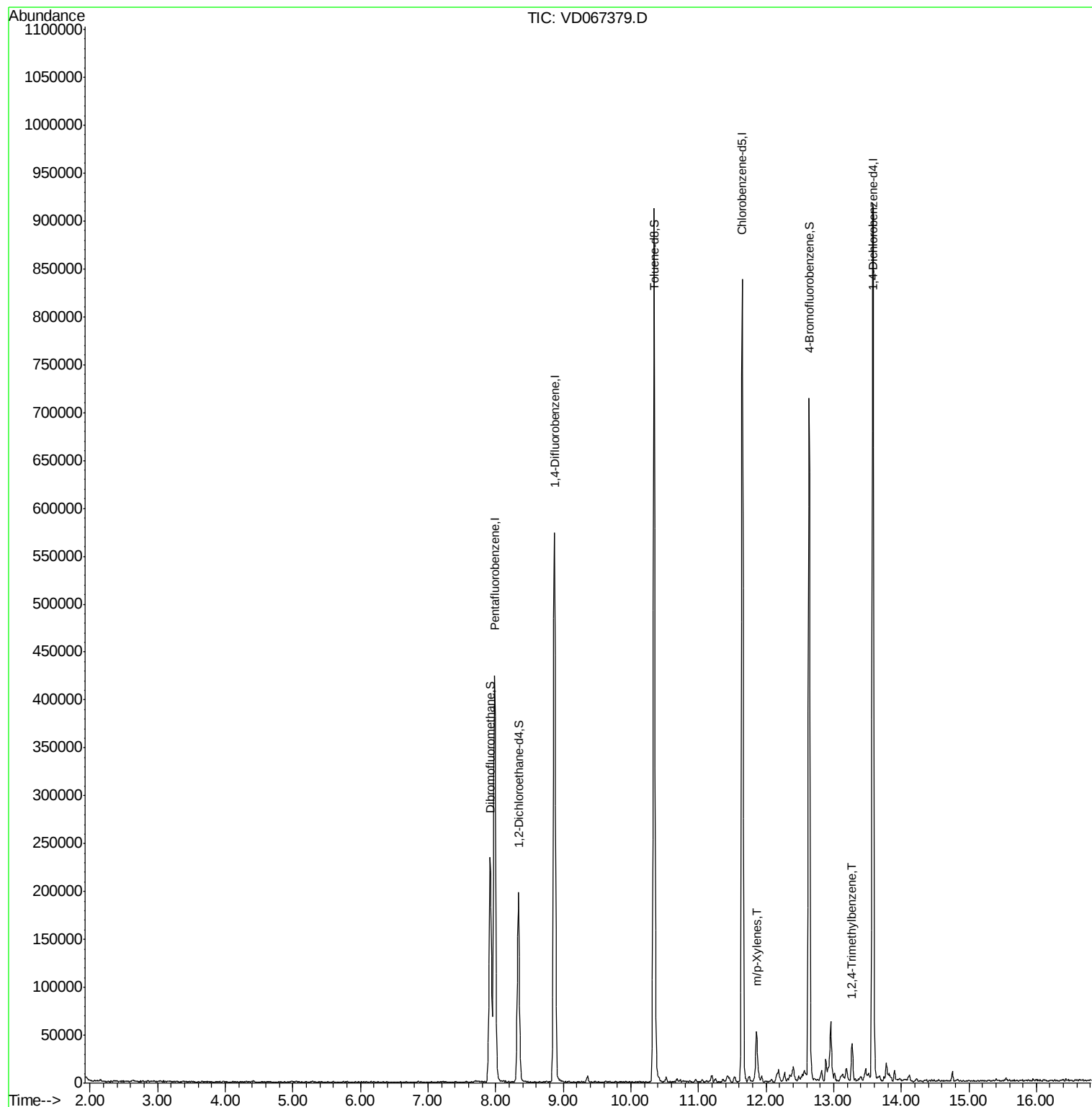
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	320981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	518005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	511880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	166419	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
35) Dibromofluoromethane	7.92	113	166859	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.80%	
50) Toluene-d8	10.34	98	613072	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.64	95	227807	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
Target Compounds						
68) m/p-Xylenes	11.86	106	10698	1.651	ug/l	93
84) 1,2,4-Trimethylbenzene	13.27	105	20090	1.423	ug/l	85

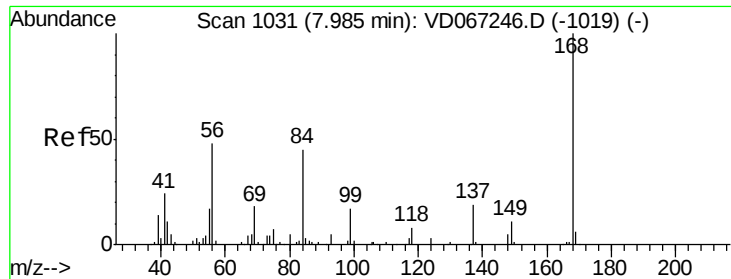
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067379.D

Acq: 23 Oct 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

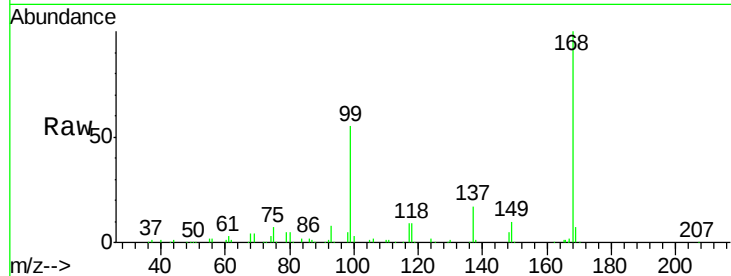
COMP-2

Tot Ion:168 Resp: 320981

Ion Ratio Lower Upper

168 100

99 55.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

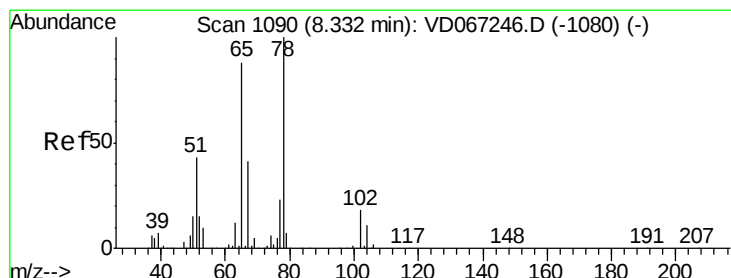
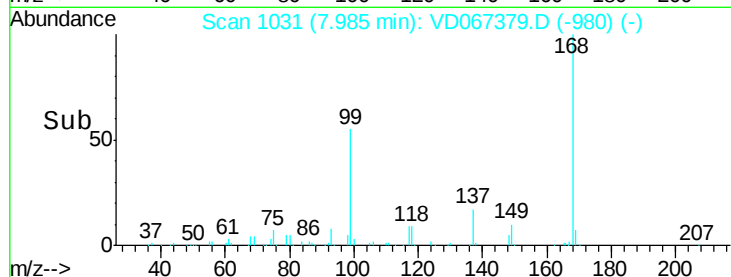
100000

50000

0

Time-->

7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 51.751 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067379.D

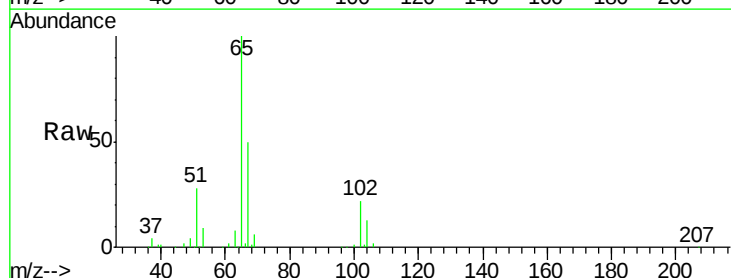
Acq: 23 Oct 2020 13:53

Tgt Ion: 65 Resp: 166419

Ion Ratio Lower Upper

65 100

67 49.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

80000

60000

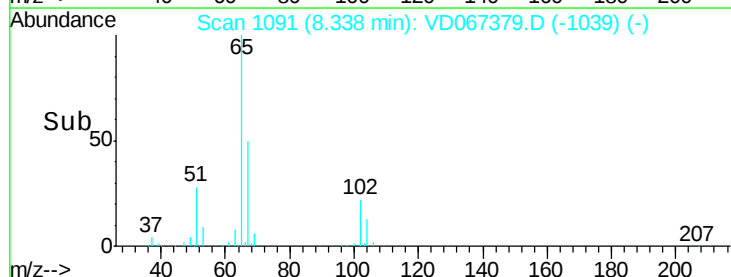
40000

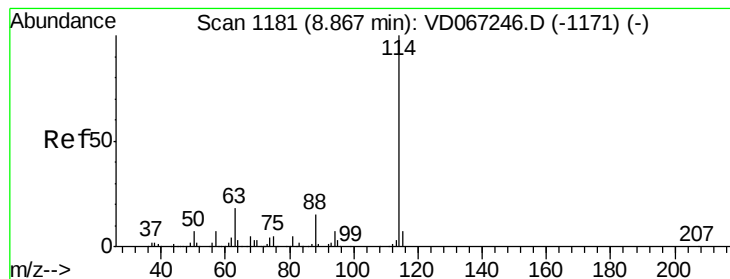
20000

0

Time-->

8.30 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

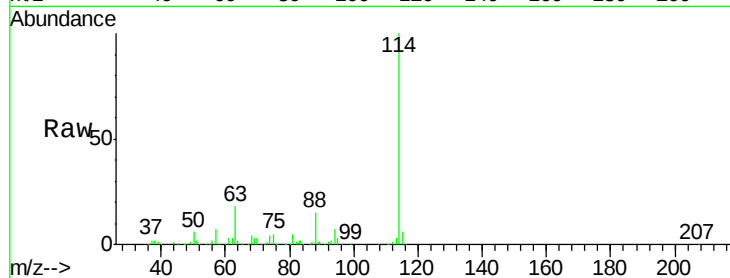
Tot Ion:114 Resp: 518005

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.0

88 14.8 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

300000

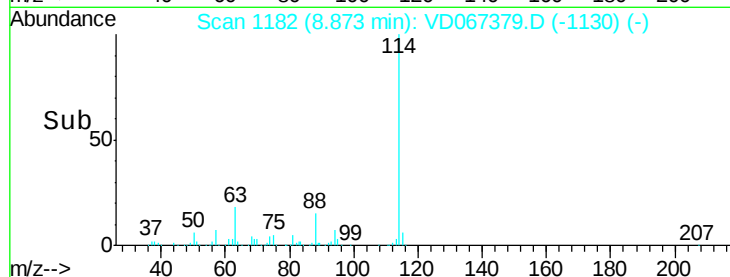
200000

100000

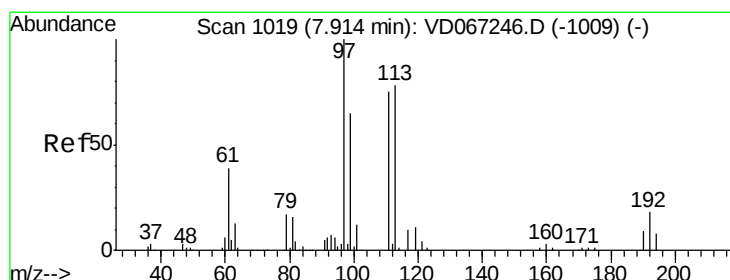
0

8.87

8.85 8.90 8.95



Time--> 8.75 8.80 8.85 8.90 8.95



#35

Dibromofluoromethane

Concen: 48.402 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

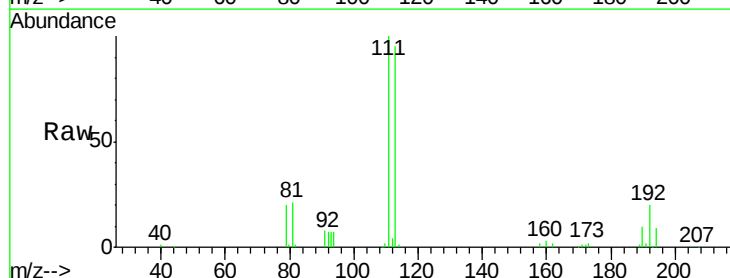
Tgt Ion:113 Resp: 166859

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

192 21.1 17.0 25.4



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

100000

80000

60000

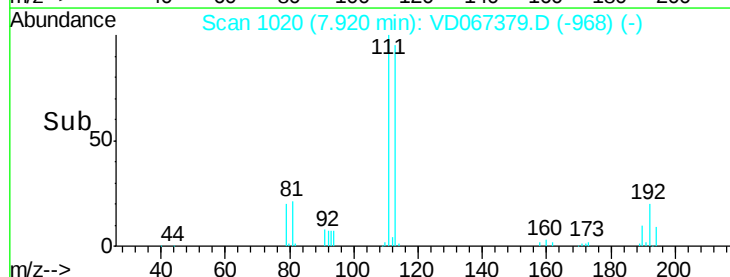
40000

20000

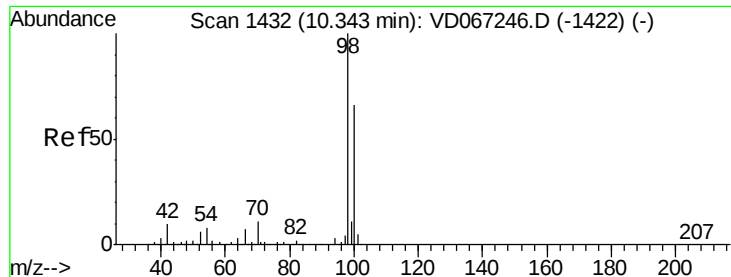
0

7.92

7.80 7.90 8.00



Time--> 7.80 7.90 8.00



#50

Toluene-d8

Concen: 49.142 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

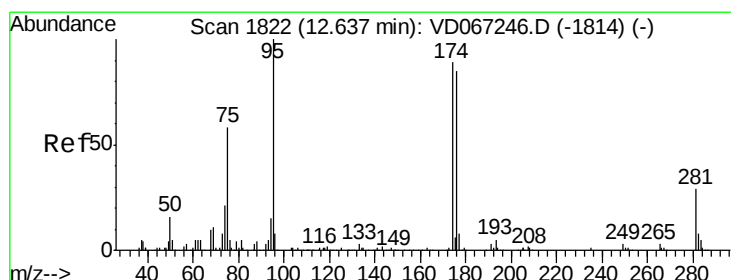
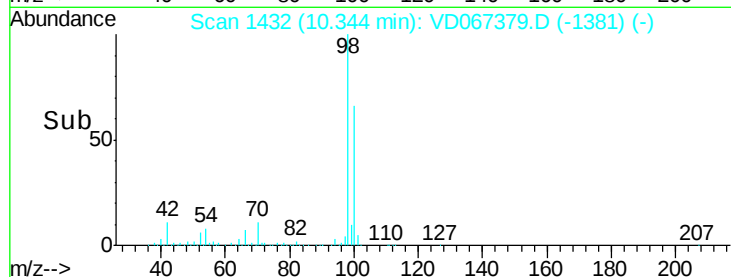
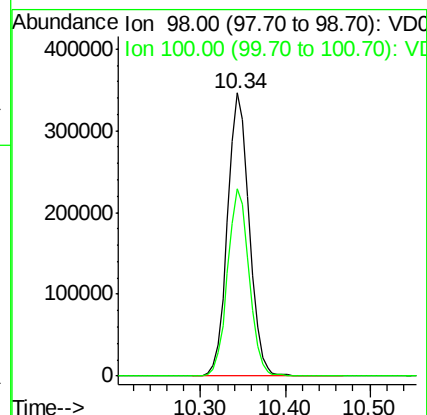
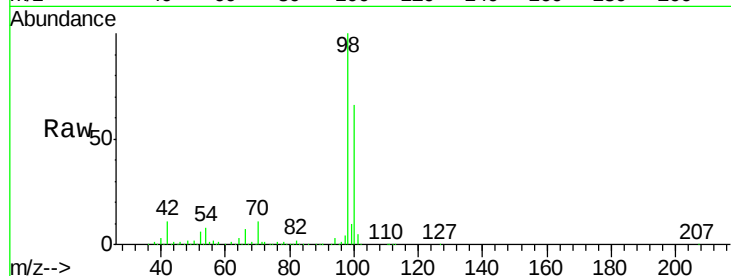
COMP-2

Tot Ion: 98 Resp: 613072

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 52.514 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

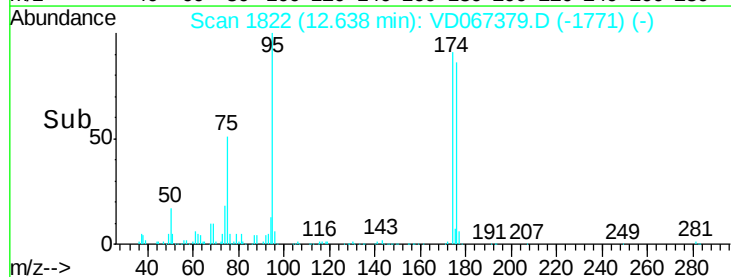
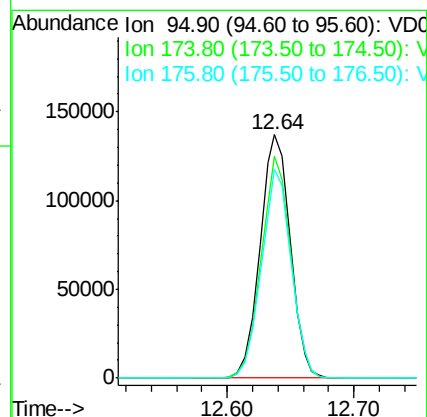
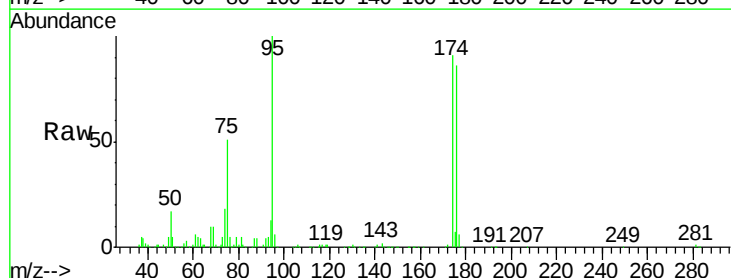
Tgt Ion: 95 Resp: 227807

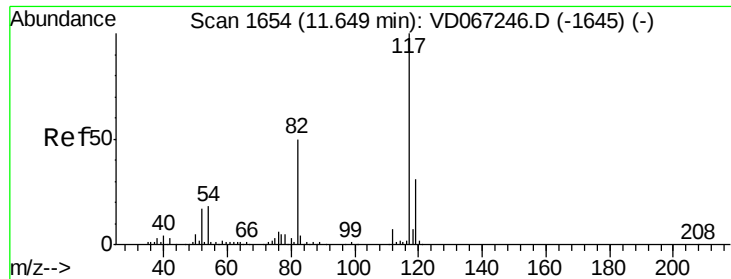
Ion Ratio Lower Upper

95 100

174 88.9 0.0 175.2

176 84.5 0.0 168.6

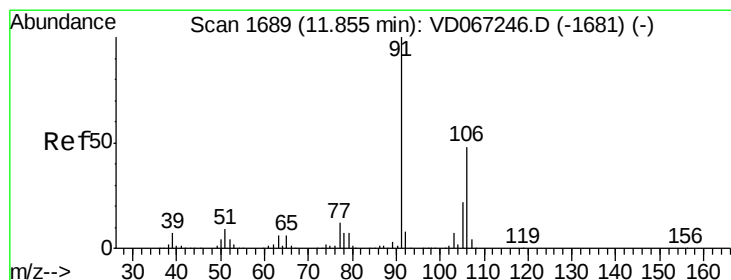
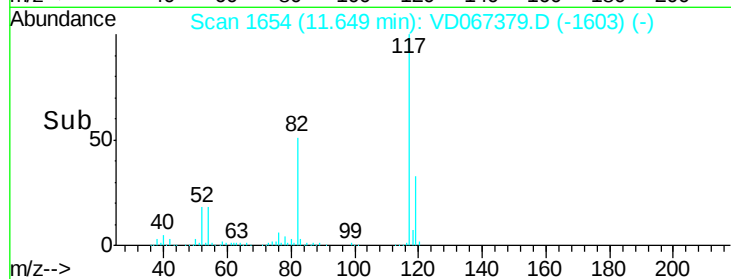
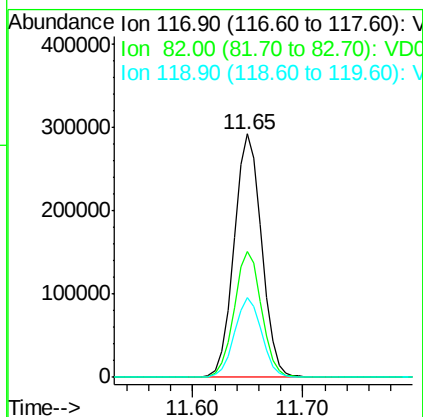
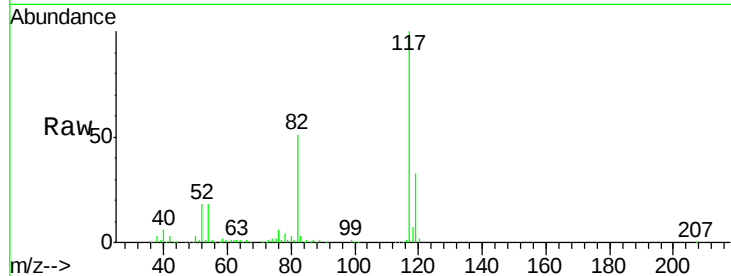




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067379.D
Acq: 23 Oct 2020 13:53

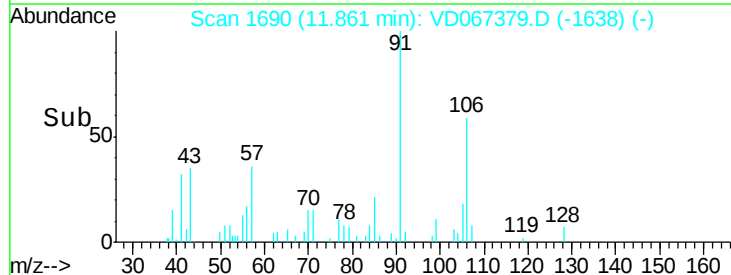
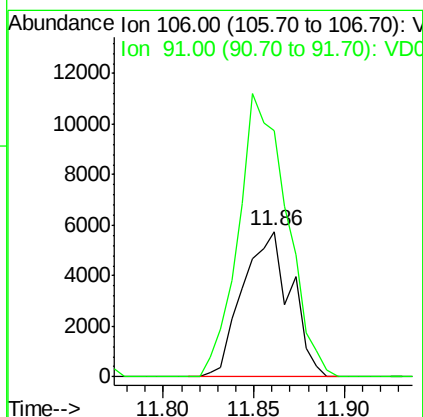
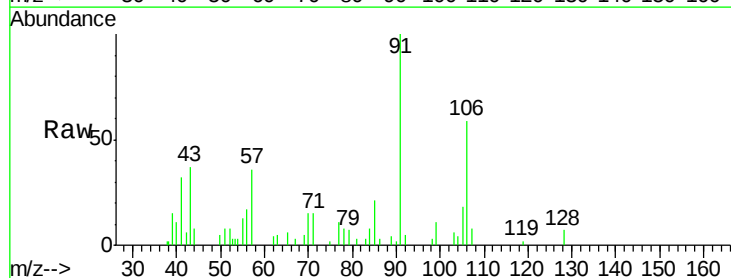
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

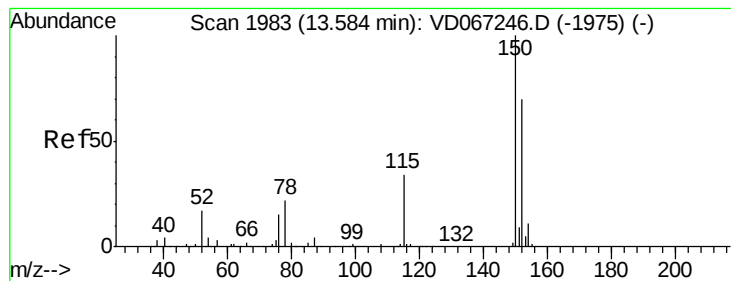
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	39.9	59.9
119	32.7	24.9	37.3



#68
m/p-Xylenes
Concen: 1.651 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067379.D
Acq: 23 Oct 2020 13:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.4	163.8	245.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067379.D

Acq: 23 Oct 2020 13:53

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

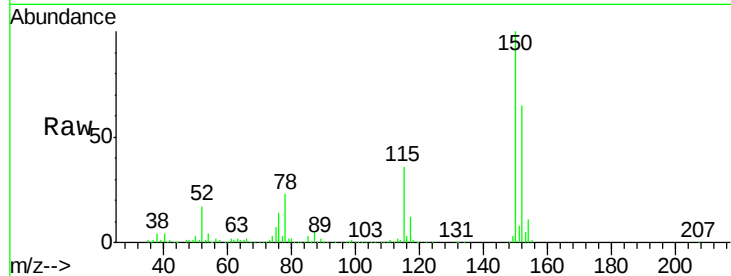
Tot Ion:152 Resp: 258946

Ion Ratio Lower Upper

152 100

115 58.8 29.3 87.9

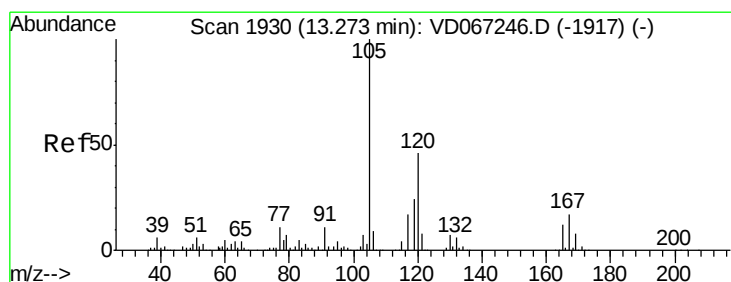
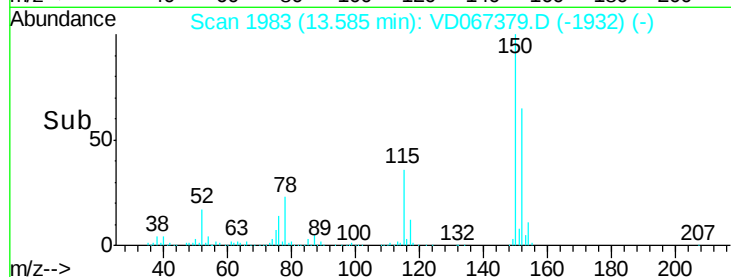
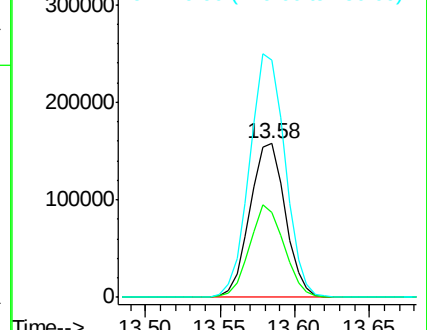
150 158.7 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 1.423 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067379.D

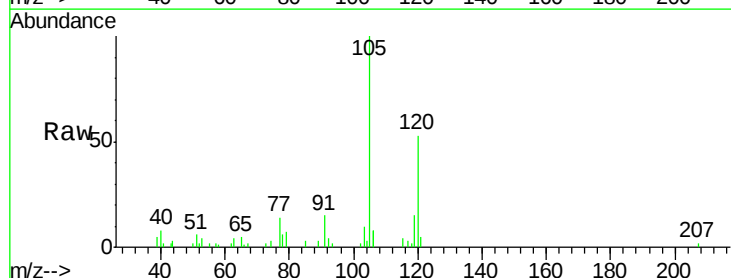
Acq: 23 Oct 2020 13:53

Tgt Ion:105 Resp: 20090

Ion Ratio Lower Upper

105 100

120 54.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

