

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065495.D
 Acq On : 12 Mar 2020 20:41
 Operator : VA/SY
 Sample : L1761-06
 Misc : 5.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-031220

Quant Time: Mar 13 05:05:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

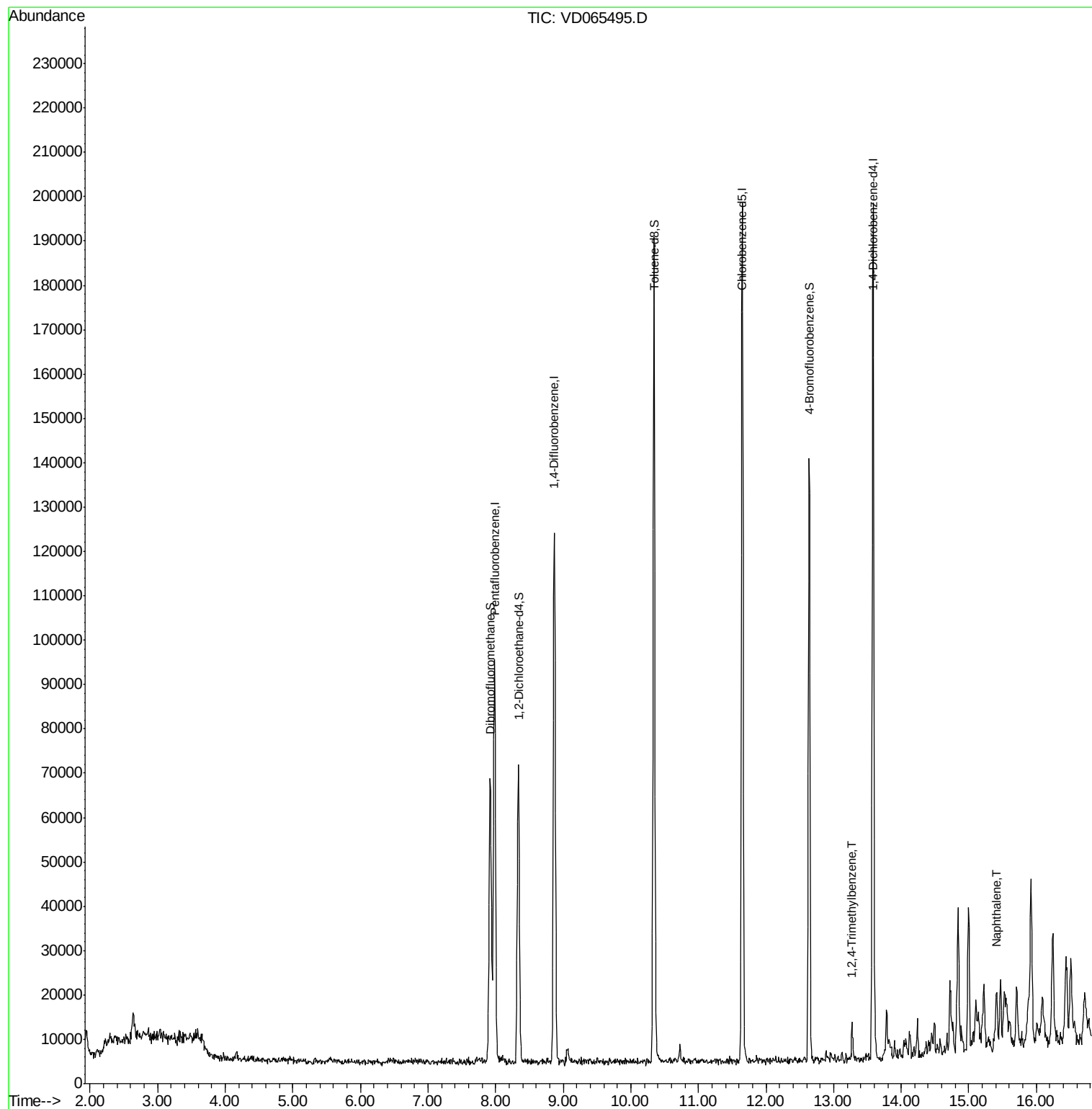
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	68036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	106691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	119035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	54179	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	53111	91.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	182.00%	
35) Dibromofluoromethane	7.91	113	46870	71.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	142.08%	
50) Toluene-d8	10.34	98	130555	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.64	95	43466	55.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.26%	
Target Compounds						
84) 1,2,4-Trimethylbenzene	13.27	105	4231	1.465	ug/l	87
95) Naphthalene	15.41	128	9681	9.452	ug/l #	96

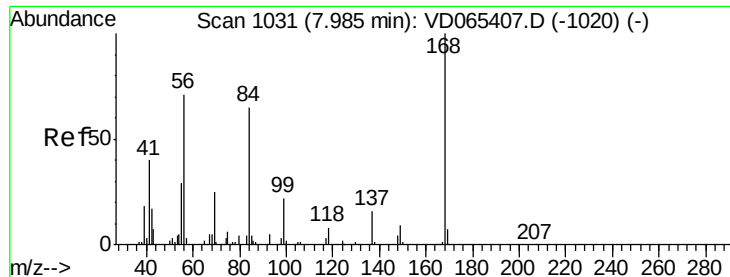
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

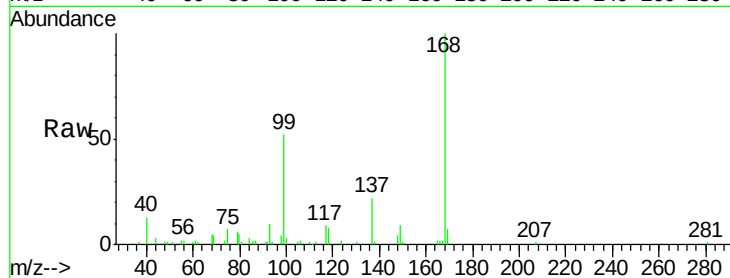
SU-01-031220

Tot Ion:168 Resp: 68036

Ion Ratio Lower Upper

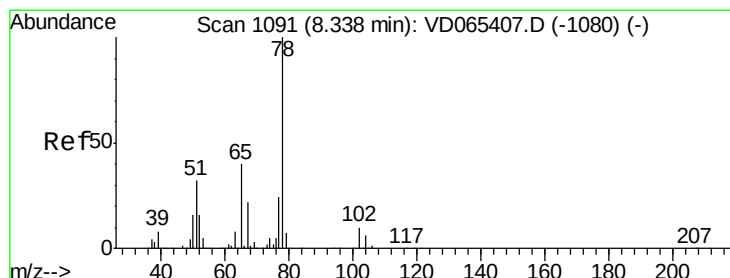
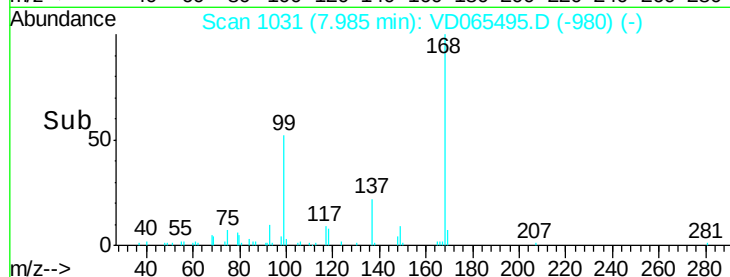
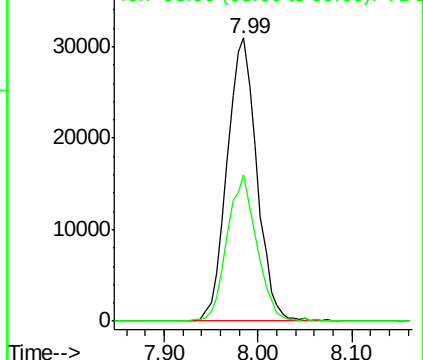
168 100

99 51.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 91.004 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065495.D

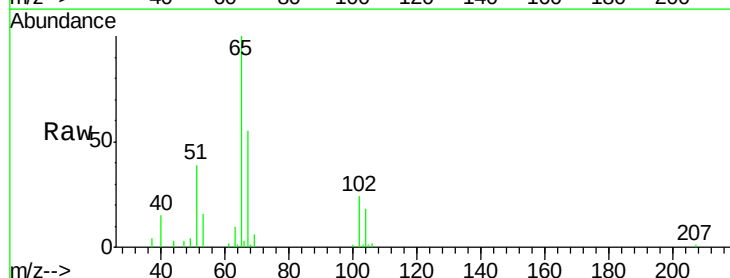
Acq: 12 Mar 2020 20:41

Tgt Ion: 65 Resp: 53111

Ion Ratio Lower Upper

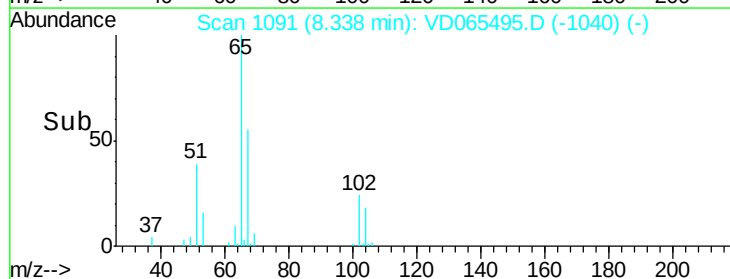
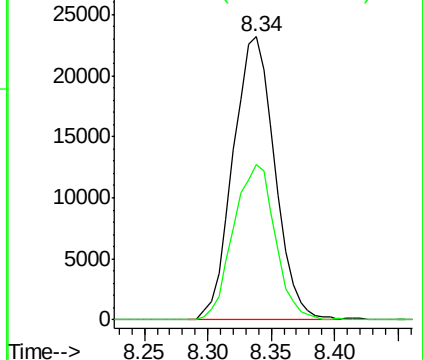
65 100

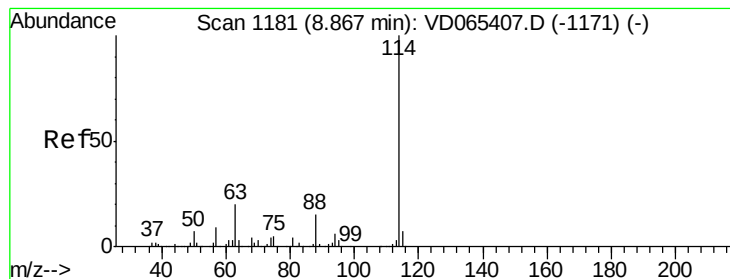
67 54.6 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

SU-01-031220

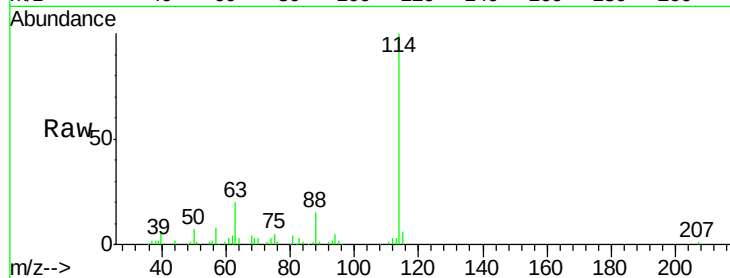
Tot Ion:114 Resp: 106691

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

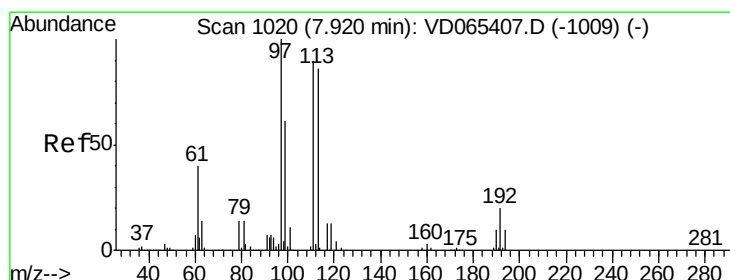
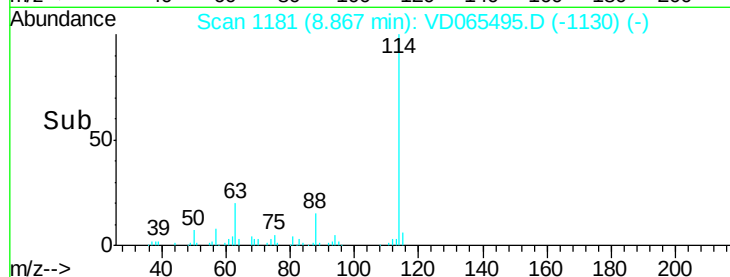
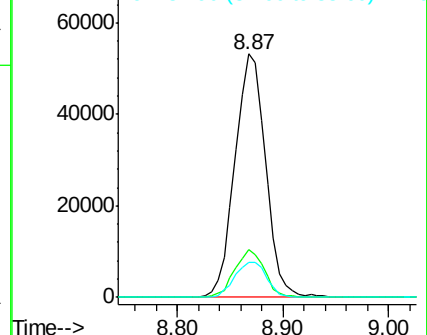
88 14.5 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 71.038 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

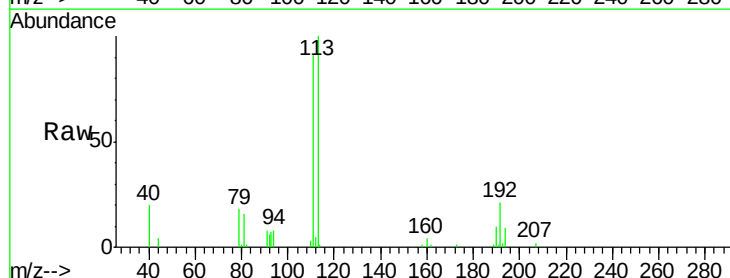
Tgt Ion:113 Resp: 46870

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

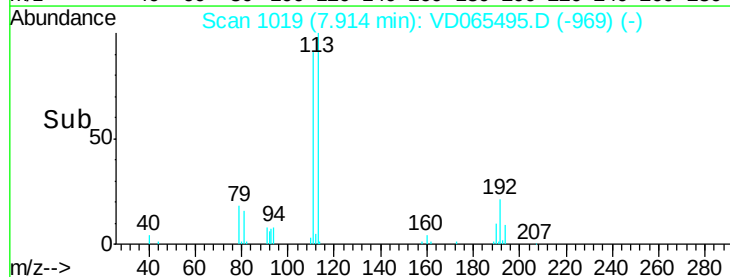
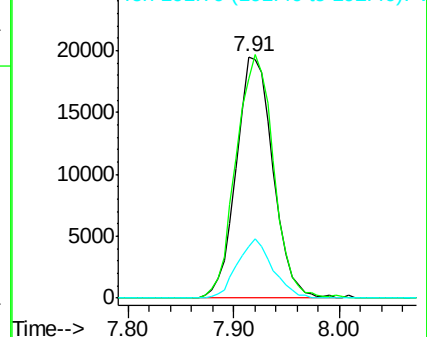
192 23.6 17.2 25.8

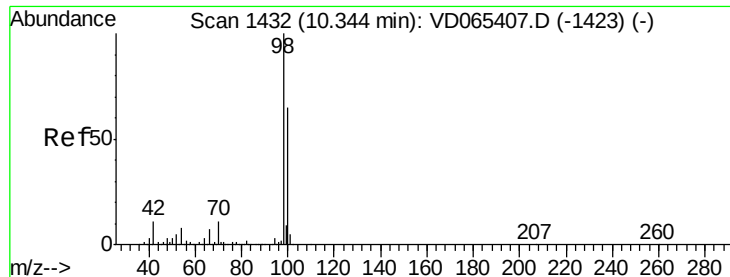


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.579 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

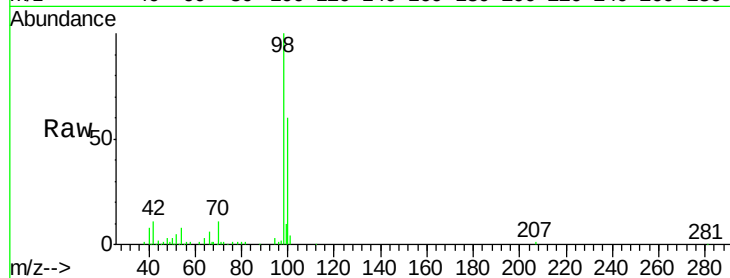
SU-01-031220

Tot Ion: 98 Resp: 130555

Ion Ratio Lower Upper

98 100

100 64.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

80000

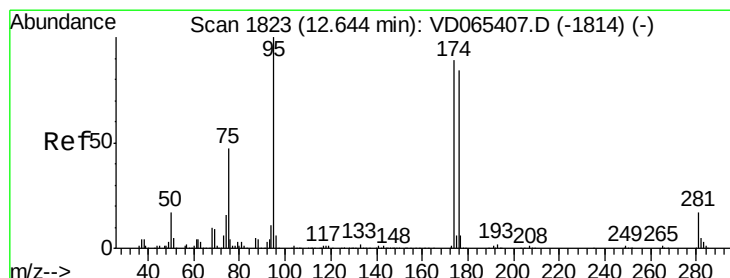
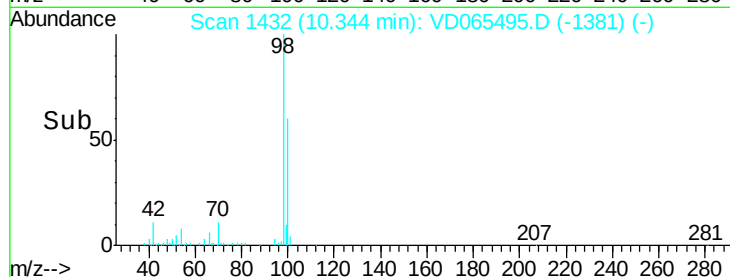
60000

40000

20000

0

Time--> 10.25 10.30 10.35 10.40



#62

4-Bromofluorobenzene

Concen: 55.626 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

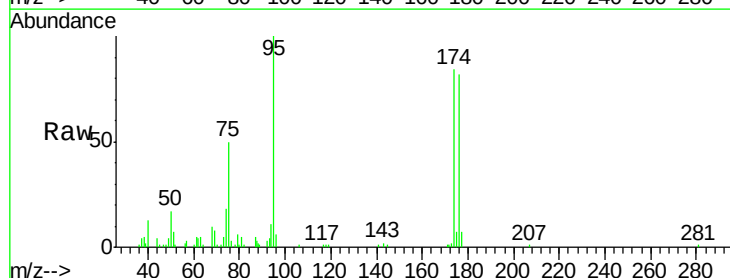
Tgt Ion: 95 Resp: 43466

Ion Ratio Lower Upper

95 100

174 94.2 0.0 176.8

176 88.5 0.0 171.4



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

12.64

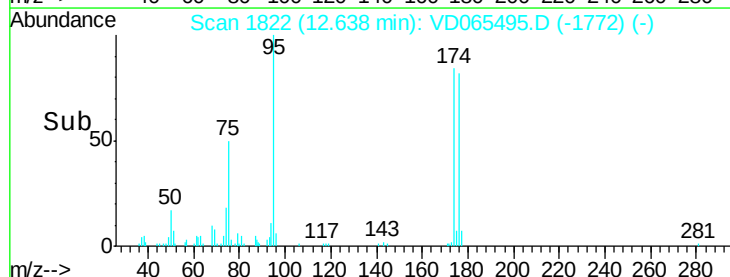
30000

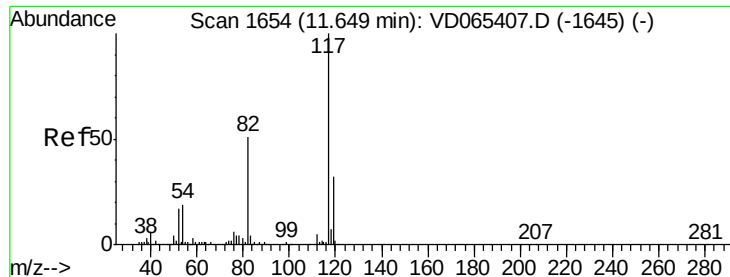
20000

10000

0

Time--> 12.60 12.65 12.70

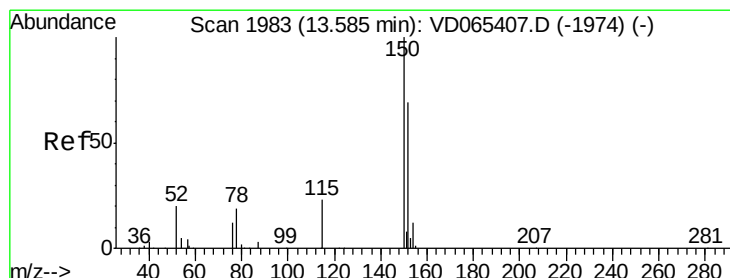
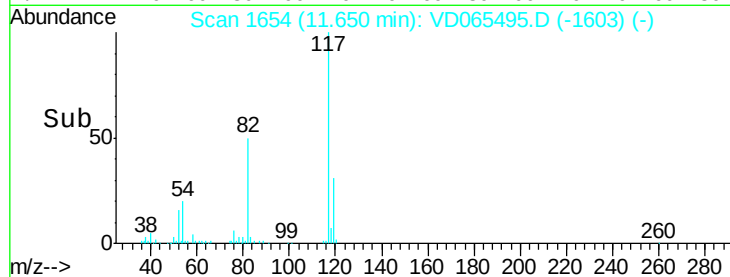
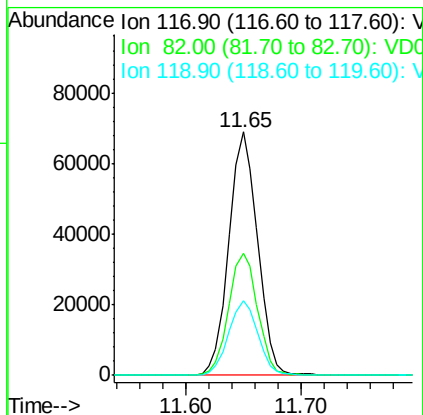
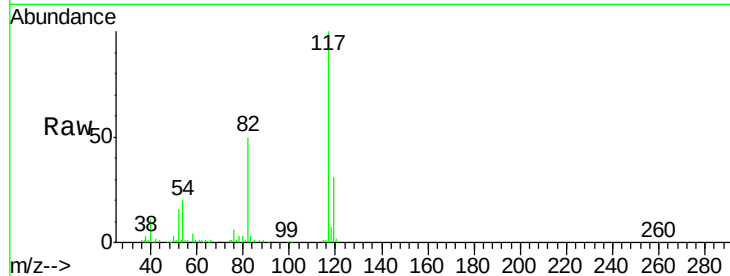




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065495.D
Acq: 12 Mar 2020 20:41

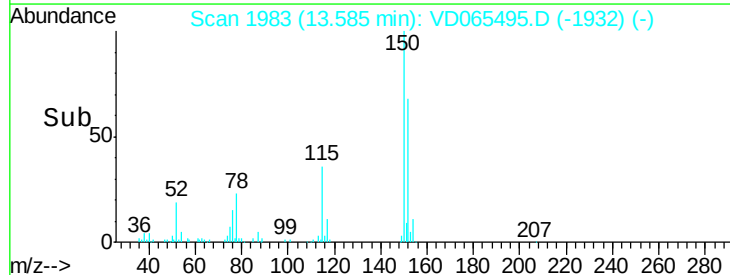
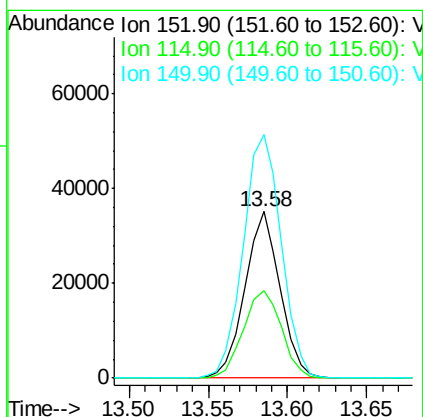
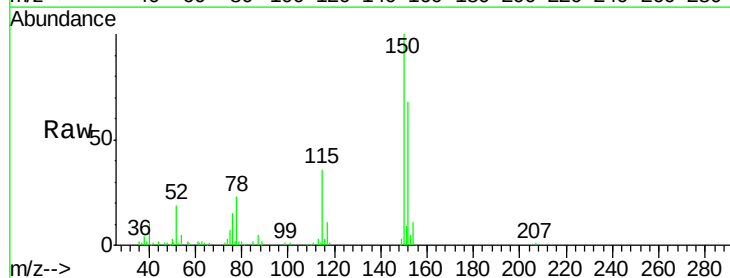
Instrument :
MSVOA_D
ClientSampleId :
SU-01-031220

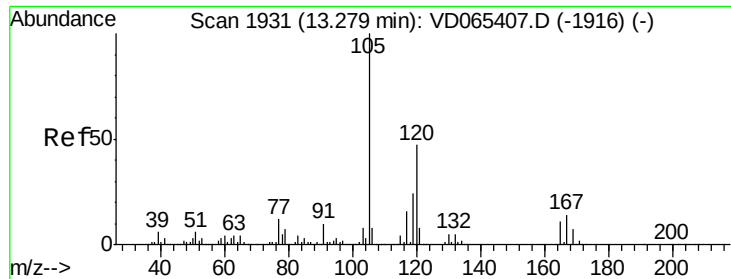
Tot Ion:117 Resp: 119035
Ion Ratio Lower Upper
117 100
82 50.2 40.6 60.8
119 30.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065495.D
Acq: 12 Mar 2020 20:41

Tgt Ion:152 Resp: 54179
Ion Ratio Lower Upper
152 100
115 57.1 27.6 82.8
150 158.1 0.0 345.0





#84

1,2,4-Trimethylbenzene

Concen: 1.465 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Instrument :

MSVOA_D

ClientSampleId :

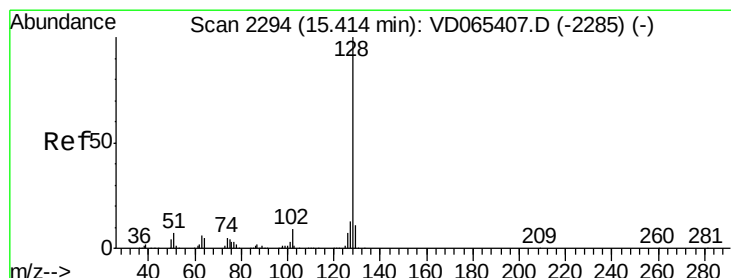
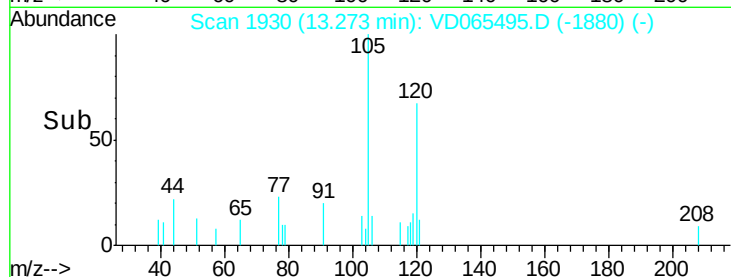
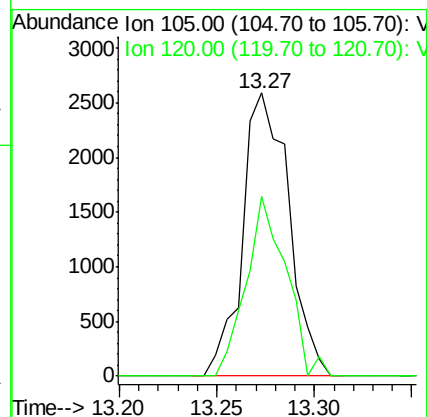
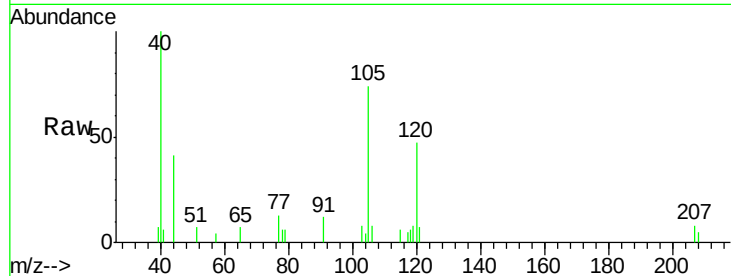
SU-01-031220

Tot Ion:105 Resp: 4231

Ion Ratio Lower Upper

105 100

120 55.3 23.4 70.3



#95

Naphthalene

Concen: 9.452 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065495.D

Acq: 12 Mar 2020 20:41

Tgt Ion:128 Resp: 9681

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 13.7 8.7 13.1#

