

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010620\
 Data File : VD064778.D
 Acq On : 06 Jan 2020 17:39
 Operator : VA/SY
 Sample : L1039-05
 Misc : 8.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 225-230

Quant Time: Jan 07 01:18:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

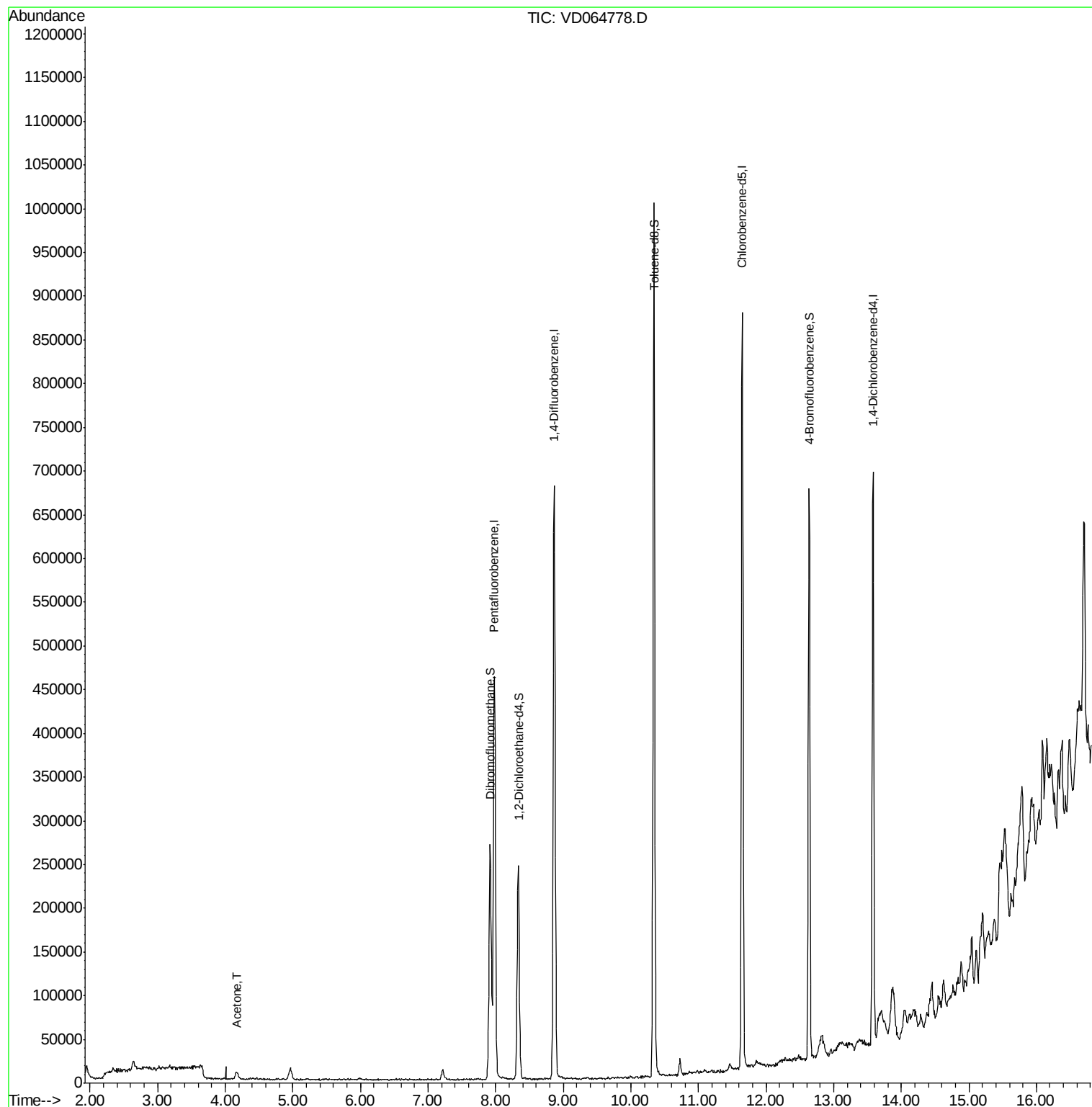
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	362170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	574557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	490771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	180389	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	193174	60.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.98%	
35) Dibromofluoromethane	7.92	113	182809	51.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.72%	
50) Toluene-d8	10.34	98	663701	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.64	95	193921	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.86%	
Target Compounds						
16) Acetone	4.17	43	14582	23.380	ug/l	Qvalue 93

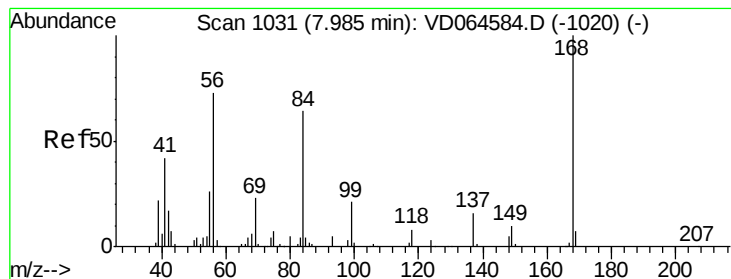
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

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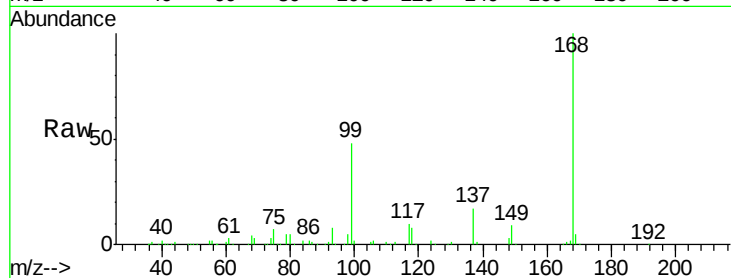
225-230

Tgt Ion: 168 Resp: 362170

Ion Ratio Lower Upper

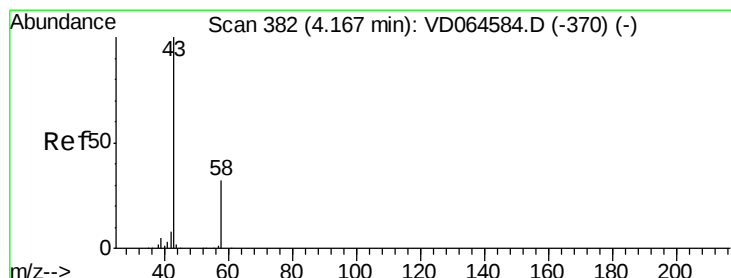
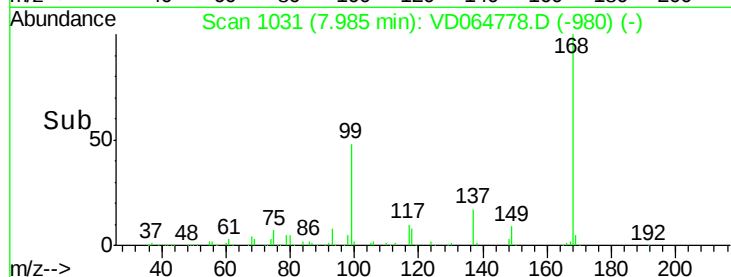
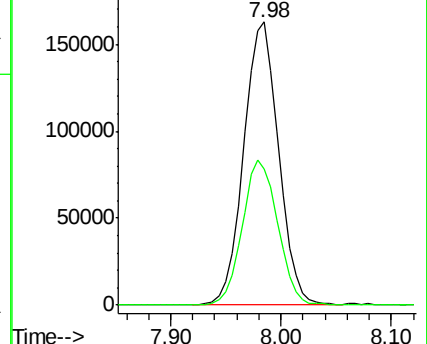
168 100

99 48.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 23.380 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064778.D

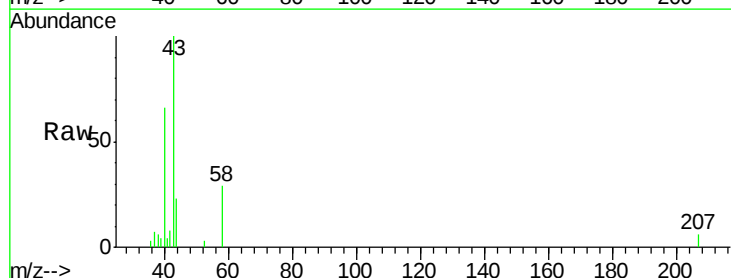
Acq: 06 Jan 2020 17:39

Tgt Ion: 43 Resp: 14582

Ion Ratio Lower Upper

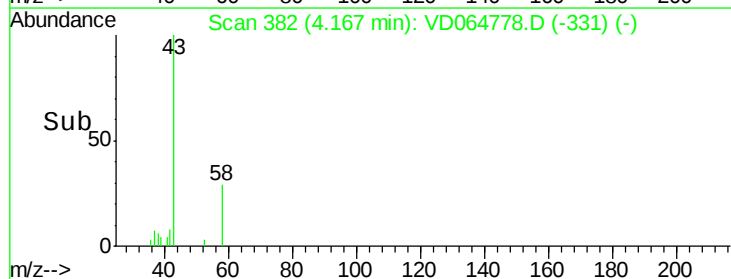
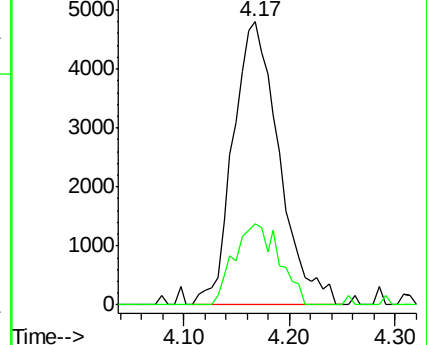
43 100

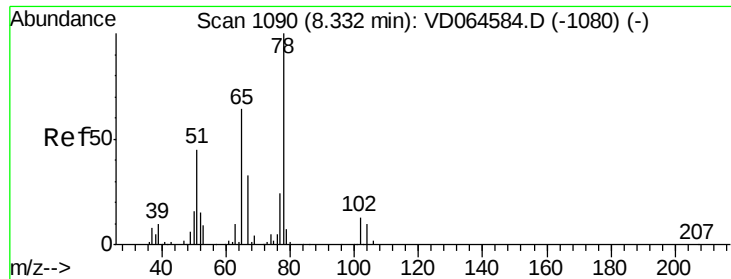
58 28.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 60.488 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064778.D

Acq: 06 Jan 2020 17:39

Instrument :

MSVOA_D

ClientSampleId :

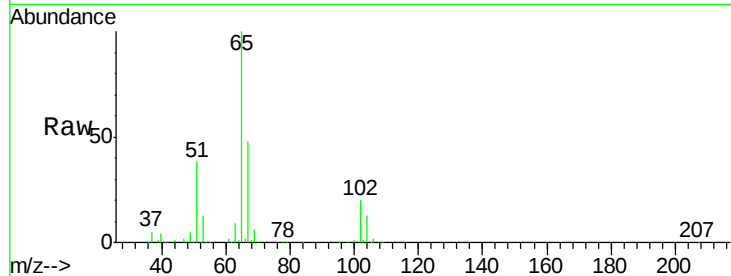
225-230

Tgt Ion: 65 Resp: 193174

Ion Ratio Lower Upper

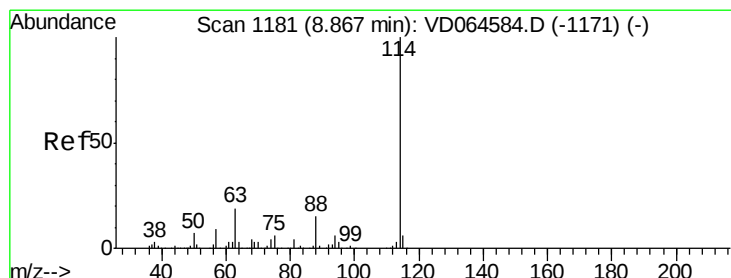
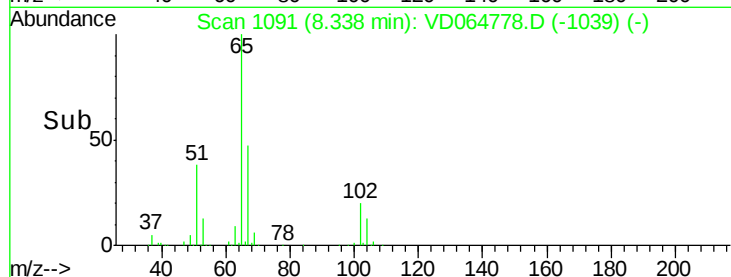
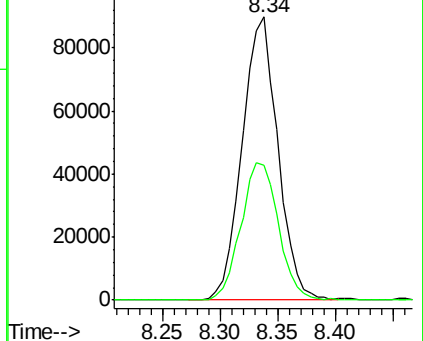
65 100

67 51.1 0.0 106.2



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: VD064778.D

Acq: 06 Jan 2020 17:39

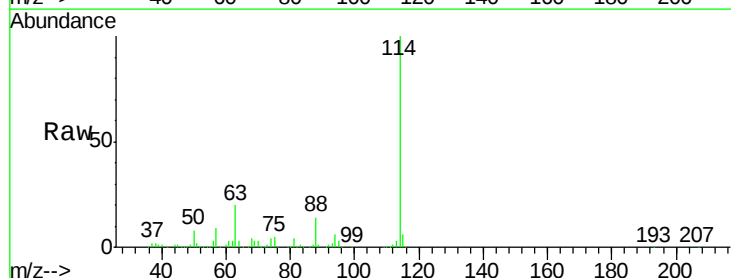
Tgt Ion: 114 Resp: 574557

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.0

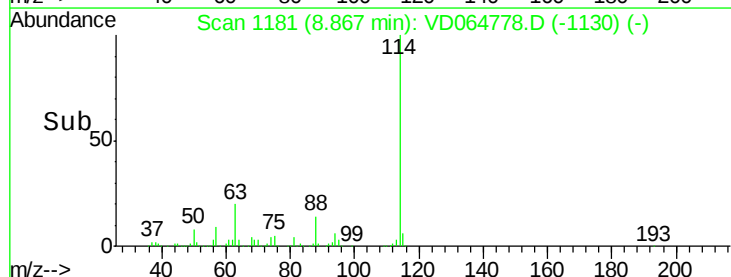
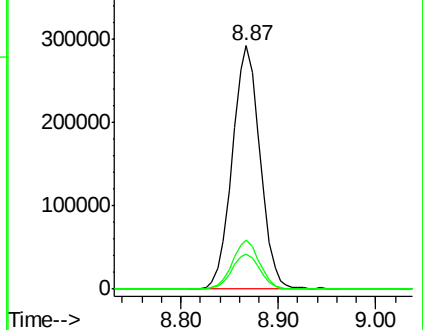
88 14.3 0.0 29.2



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: 51.861 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

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Instrument :

MSVOA_D

ClientSampleId :

225-230

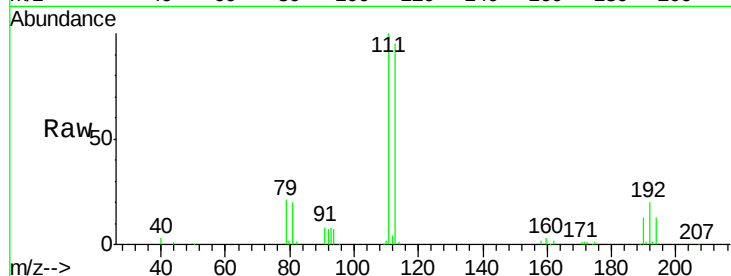
Tgt Ion:113 Resp: 182809

Ion Ratio Lower Upper

113 100

111 103.1 80.6 121.0

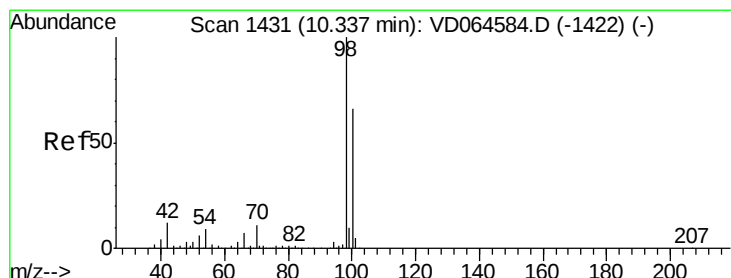
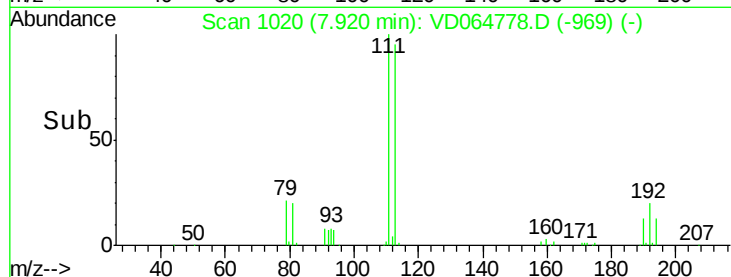
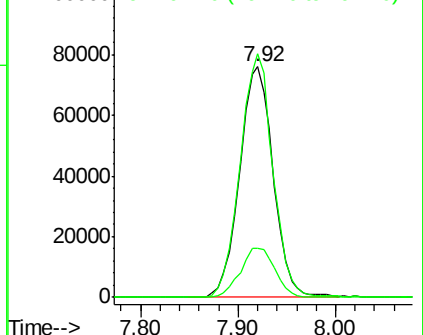
192 22.2 17.9 26.9



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: 49.162 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064778.D

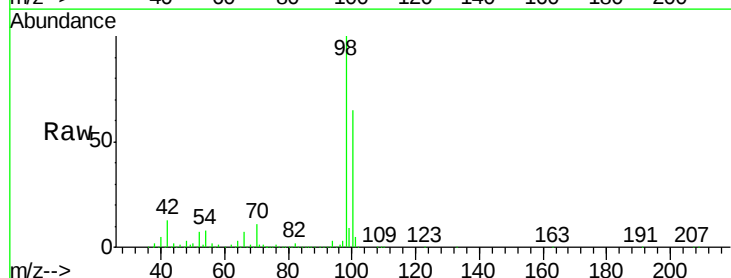
Acq: 06 Jan 2020 17:39

Tgt Ion: 98 Resp: 663701

Ion Ratio Lower Upper

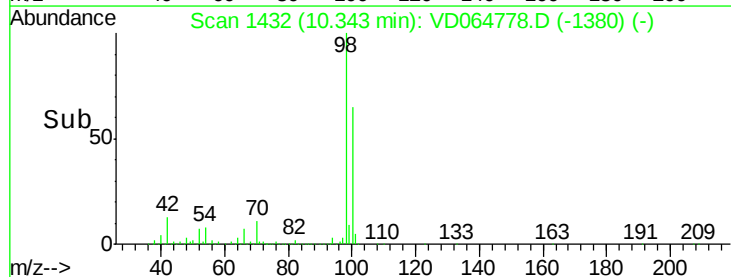
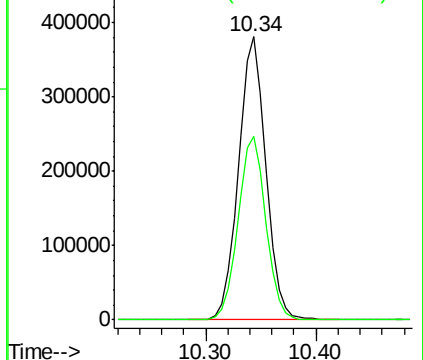
98 100

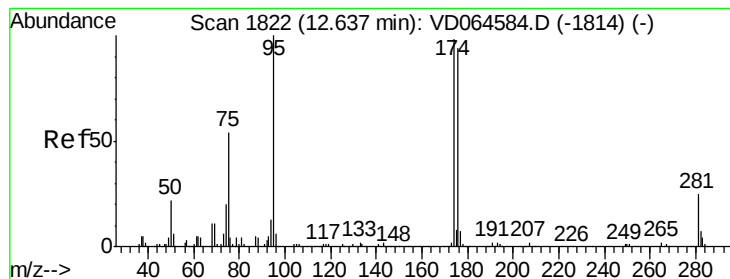
100 65.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.426 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064778.D

Acq: 06 Jan 2020 17:39

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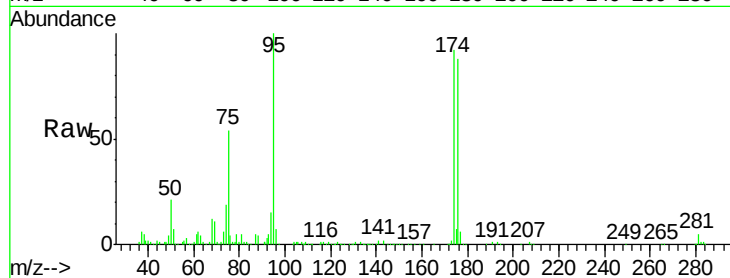
Tgt Ion: 95 Resp: 193921

Ion Ratio Lower Upper

95 100

174 95.7 0.0 193.2

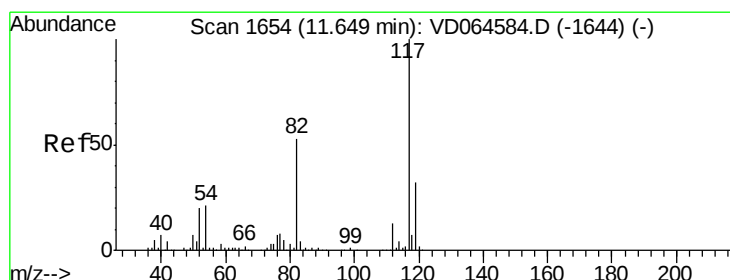
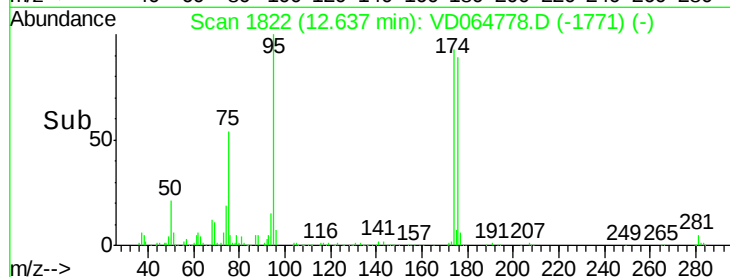
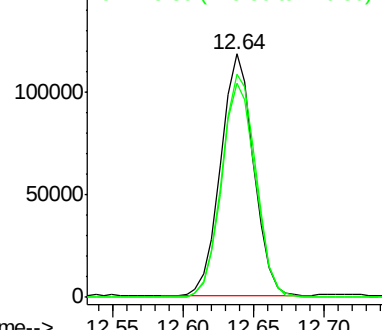
176 90.9 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064778.D

Acq: 06 Jan 2020 17:39

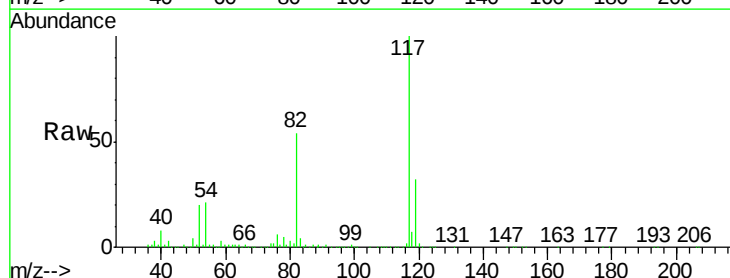
Tgt Ion: 117 Resp: 490771

Ion Ratio Lower Upper

117 100

82 54.1 42.2 63.4

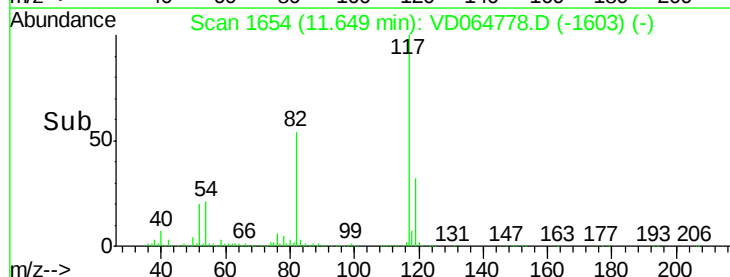
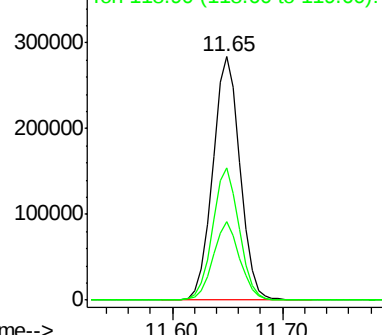
119 32.2 26.0 39.0

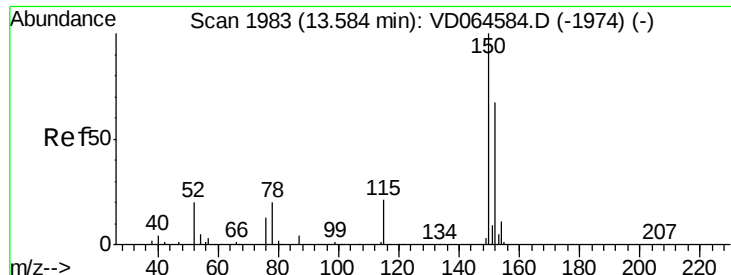


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064778.D

Acq: 06 Jan 2020 17:39

Instrument :

MSVOA_D

ClientSampleId :

225-230

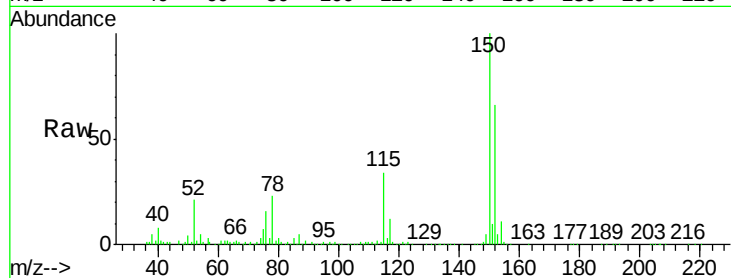
Tgt Ion:152 Resp: 180389

Ion Ratio Lower Upper

152 100

115 54.1 27.8 83.4

150 154.8 0.0 351.4



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

