

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064294.D
 Acq On : 19 Nov 2019 17:19
 Operator : VA/SY
 Sample : K5927-03
 Misc : 6.93G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3

Quant Time: Nov 20 05:42:10 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

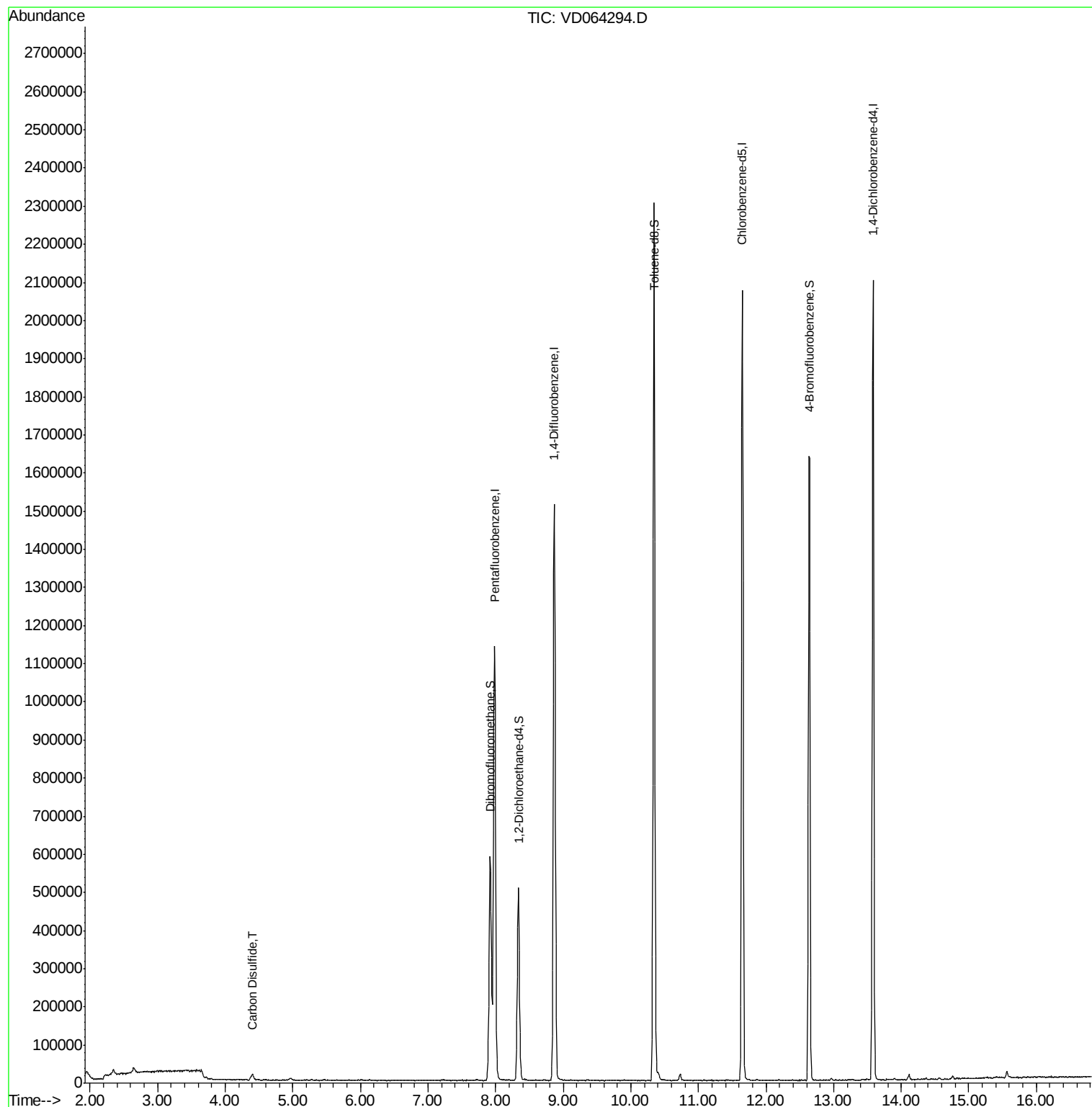
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	935888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1356477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1196490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	580004	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	398695	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
35) Dibromofluoromethane	7.92	113	410180	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
50) Toluene-d8	10.34	98	1579921	53.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.64	95	506128	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
Target Compounds						
17) Carbon Disulfide	4.40	76	32839	1.341	ug/l #	Qvalue 92

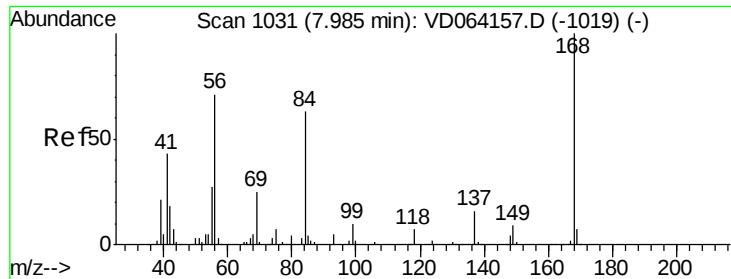
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064294.D

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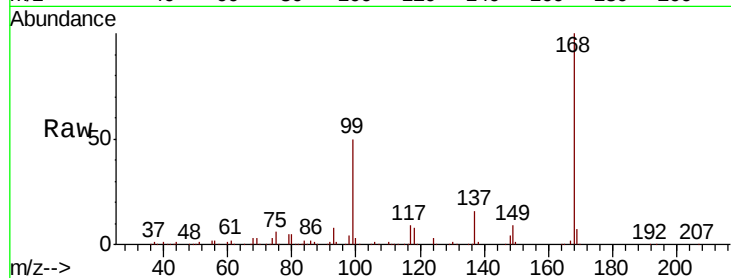
B-3

Tot Ion:168 Resp: 935888

Ion Ratio Lower Upper

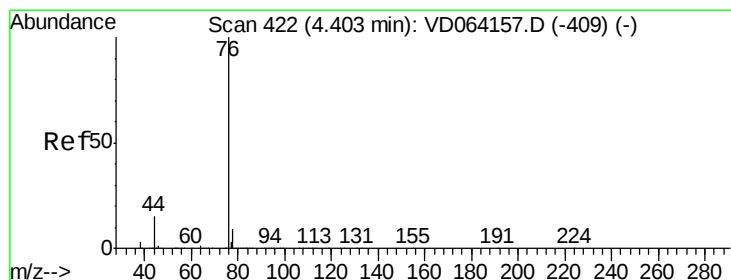
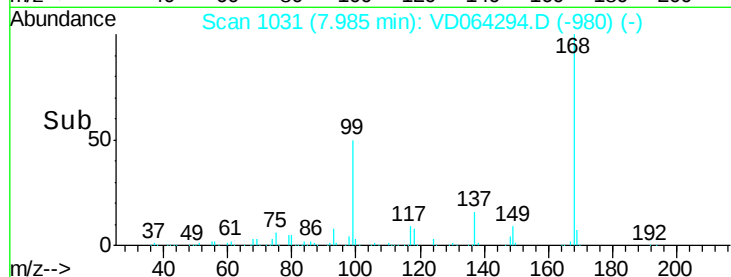
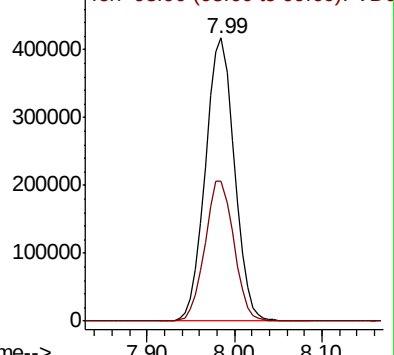
168 100

99 49.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#17

Carbon Disulfide

Concen: 1.341 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD064294.D

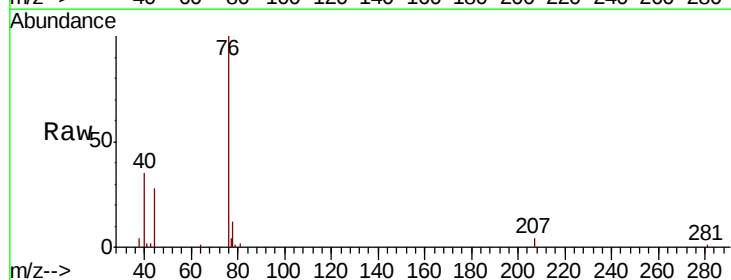
Acq: 19 Nov 2019 17:19

Tgt Ion: 76 Resp: 32839

Ion Ratio Lower Upper

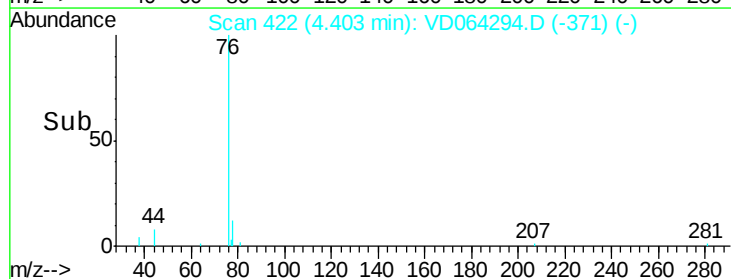
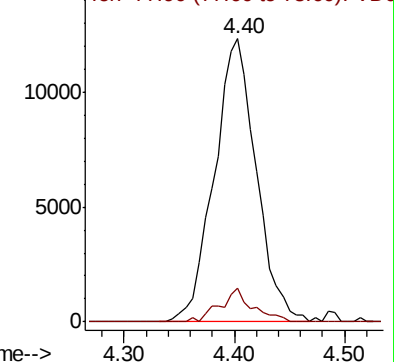
76 100

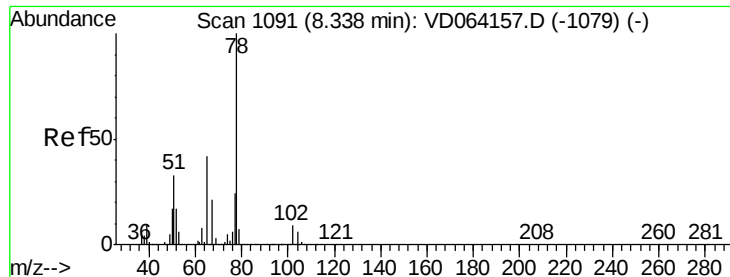
78 12.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.798 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064294.D

Acq: 19 Nov 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

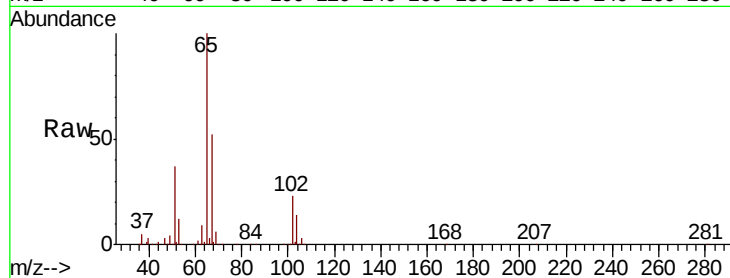
B-3

Tot Ion: 65 Resp: 398695

Ion Ratio Lower Upper

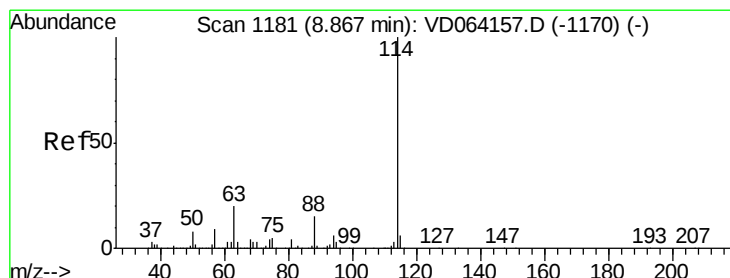
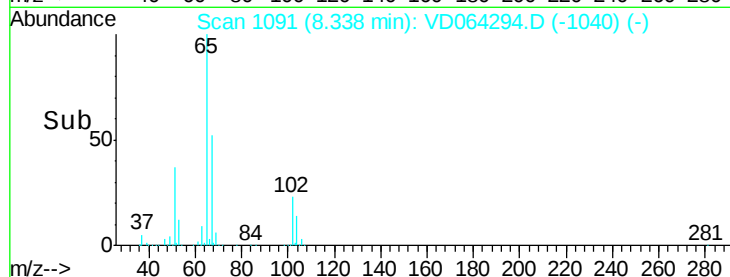
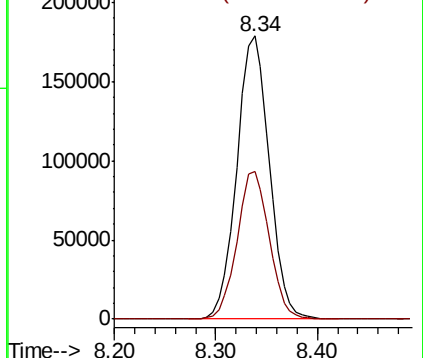
65 100

67 51.8 0.0 104.4



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: VD064294.D

Acq: 19 Nov 2019 17:19

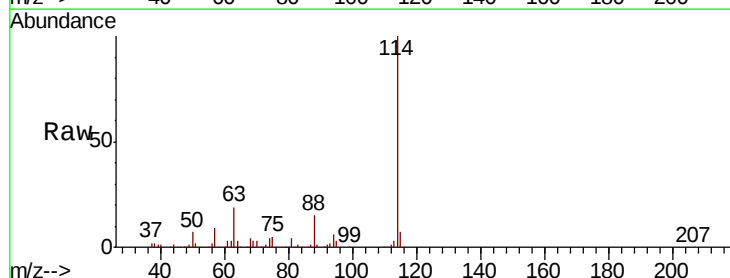
Tgt Ion: 114 Resp: 1356477

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

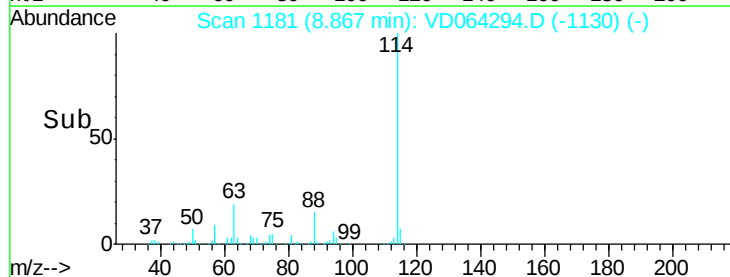
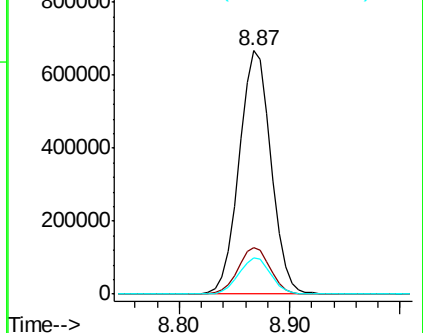
88 14.9 0.0 30.2

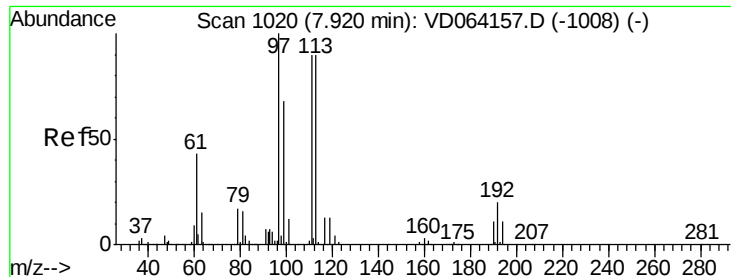


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

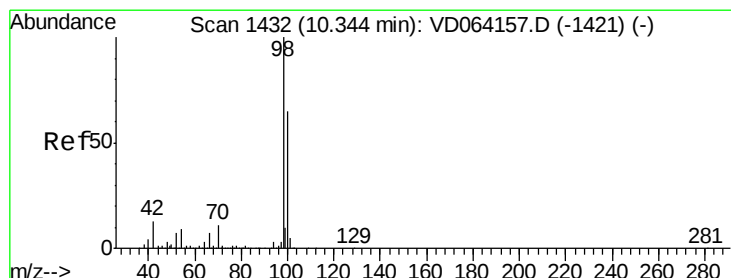
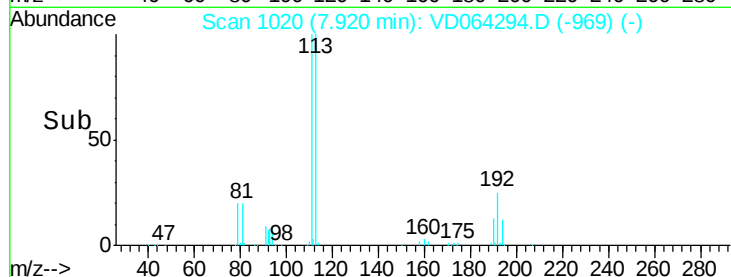
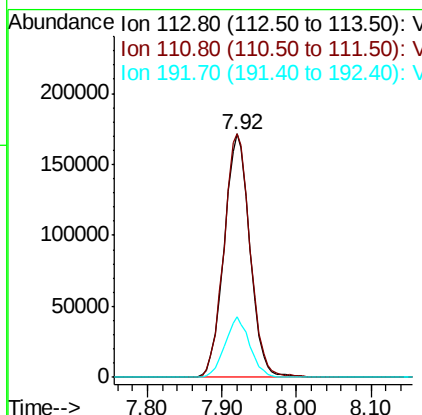
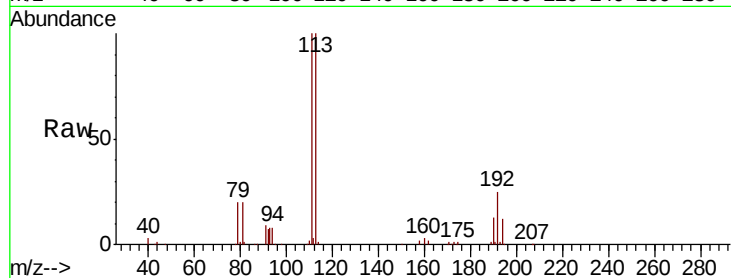




#35
Dibromofluoromethane
Concen: 52.679 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064294.D
Acq: 19 Nov 2019 17:19

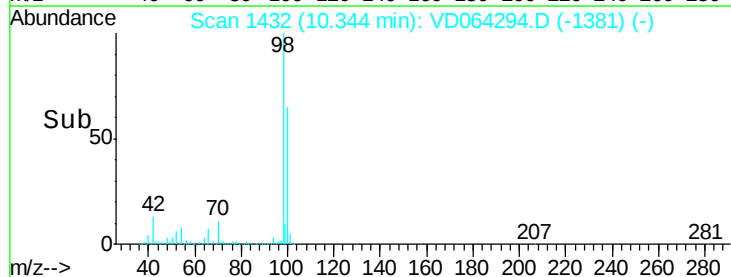
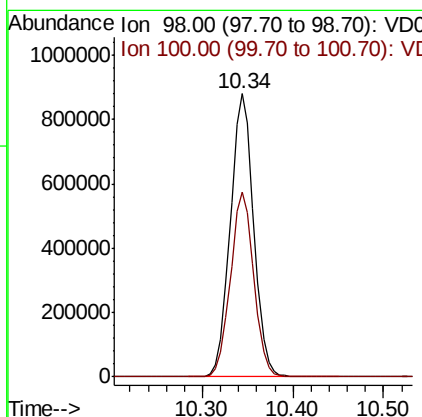
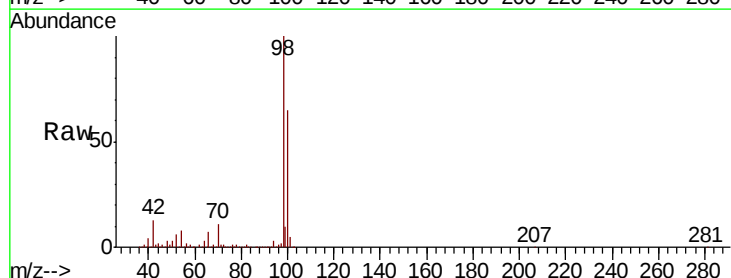
Instrument :
MSVOA_D
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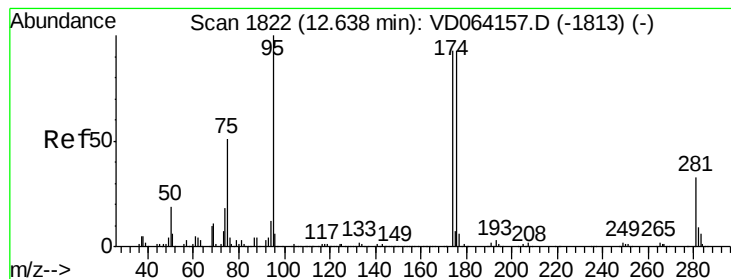
Tot Ion:113 Resp: 410180
Ion Ratio Lower Upper
113 100
111 101.8 81.5 122.3
192 23.9 18.8 28.2



#50
Toluene-d8
Concen: 53.787 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064294.D
Acq: 19 Nov 2019 17:19

Tgt Ion: 98 Resp: 1579921
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 49.756 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064294.D

Acq: 19 Nov 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

B-3

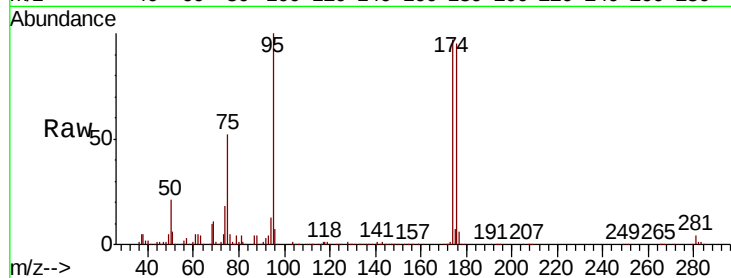
Tot Ion: 95 Resp: 506128

Ion Ratio Lower Upper

95 100

174 97.6 0.0 183.6

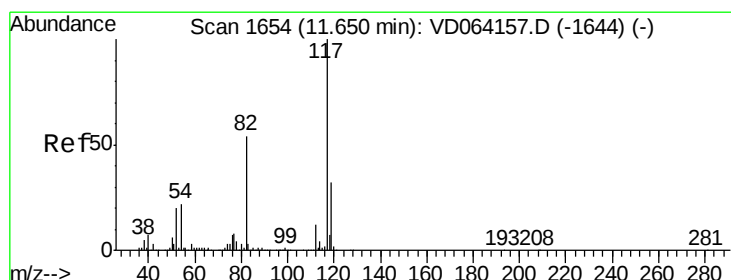
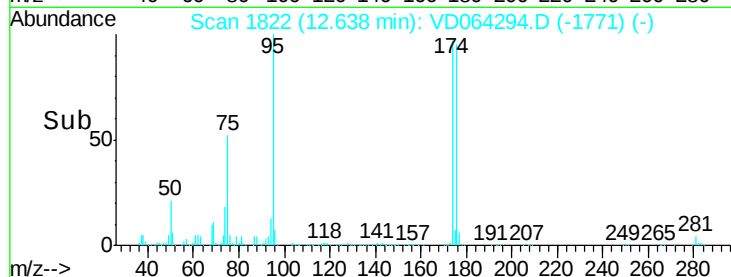
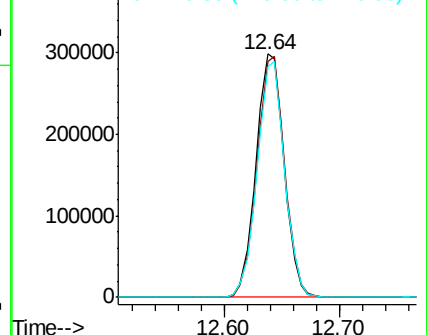
176 94.8 0.0 180.2



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: VD064294.D

Acq: 19 Nov 2019 17:19

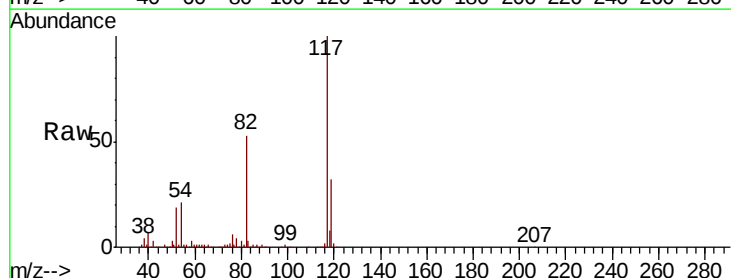
Tgt Ion: 117 Resp: 1196490

Ion Ratio Lower Upper

117 100

82 53.3 42.8 64.2

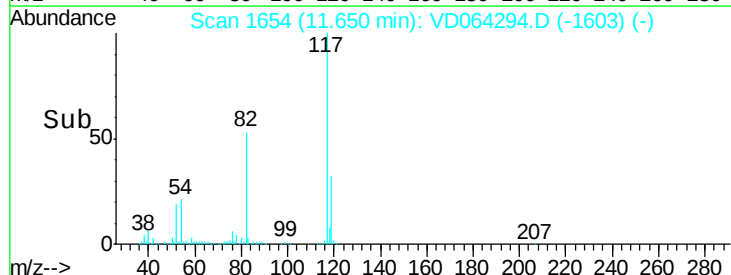
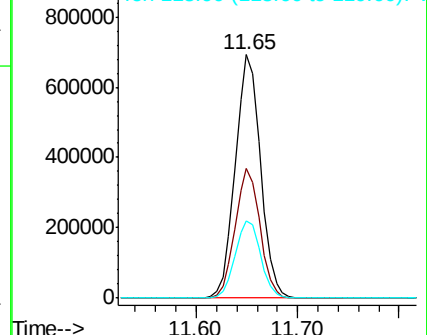
119 32.0 25.6 38.4

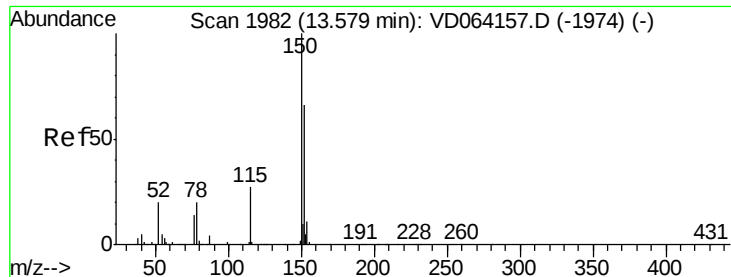


Abundance Ion 116.90 (116.60 to 117.60): V

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. 0.01 min

Lab File: VD064294.D

Acq: 19 Nov 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

B-3

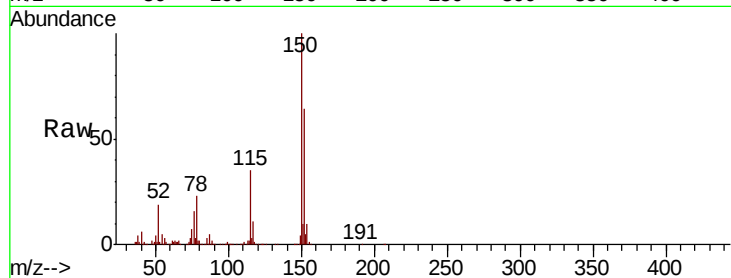
Tot Ion:152 Resp: 580004

Ion Ratio Lower Upper

152 100

115 54.5 27.4 82.2

150 156.7 0.0 351.6



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

