

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064746.D
 Acq On : 03 Jan 2020 20:53
 Operator : VA/SY
 Sample : K6471-16
 Misc : 4.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MC-123019-4-5-GRAB-B1

Quant Time: Jan 06 07:40:54 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

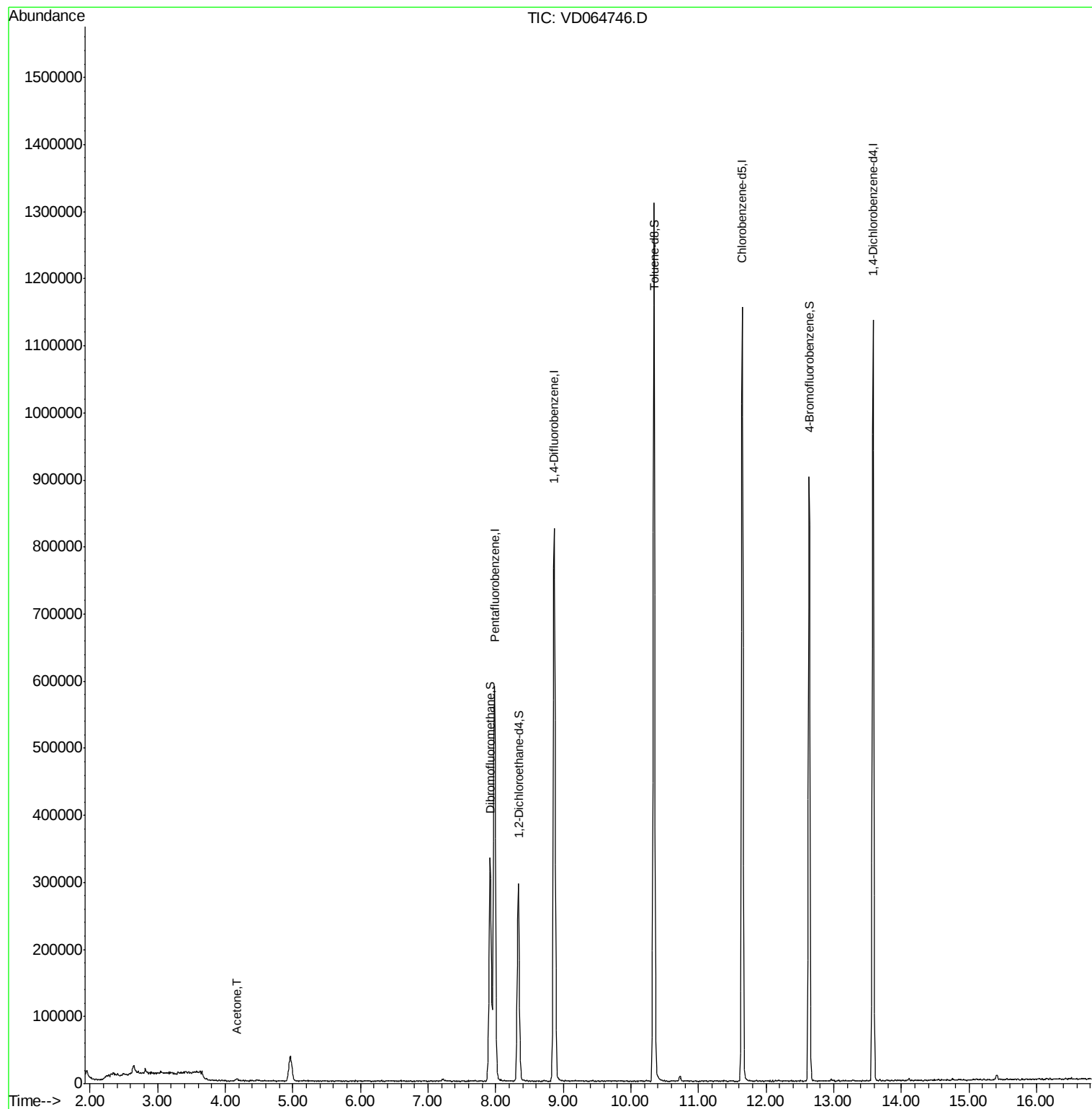
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	459911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	714151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	642436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	299427	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	233212	57.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.02%	
35) Dibromofluoromethane	7.92	113	225108	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
50) Toluene-d8	10.34	98	849341	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.64	95	265323	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
Target Compounds						
16) Acetone	4.17	43	5452	9.810	ug/l #	Qvalue 78

(#) = 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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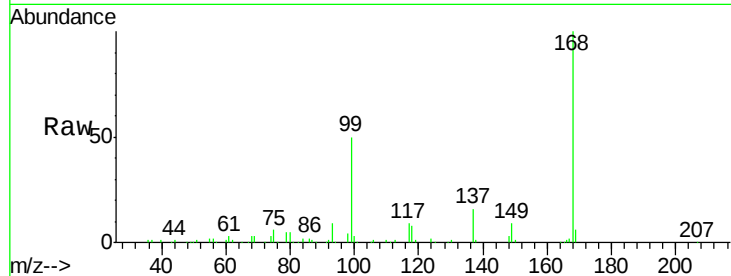
MC-123019-4-5-GRAB-B1

Tgt Ion:168 Resp: 459911

Ion Ratio Lower Upper

168 100

99 50.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

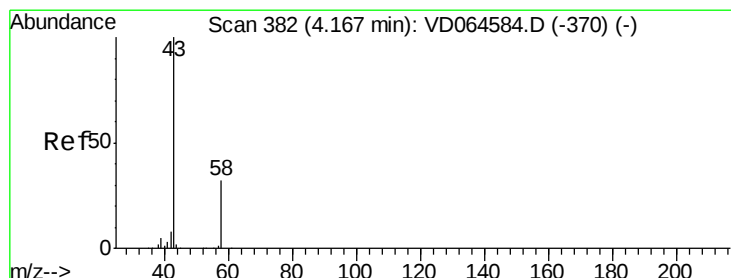
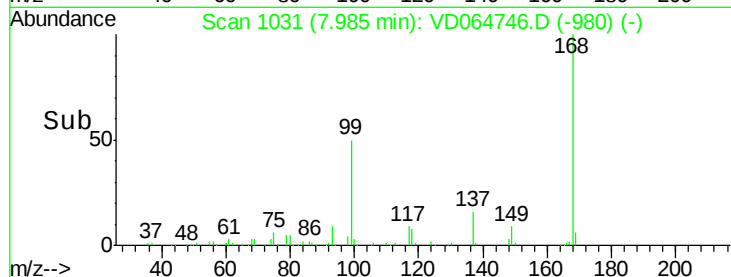
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 9.810 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064746.D

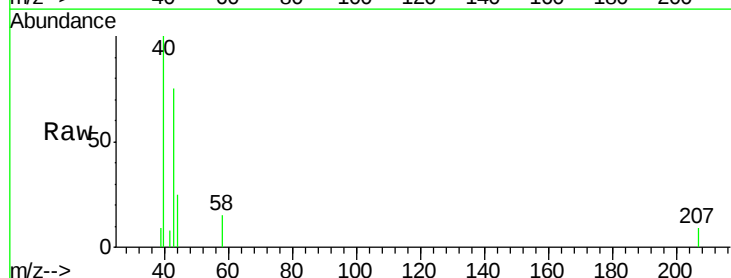
Acq: 03 Jan 2020 20:53

Tgt Ion: 43 Resp: 5452

Ion Ratio Lower Upper

43 100

58 19.9 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

2500

2000

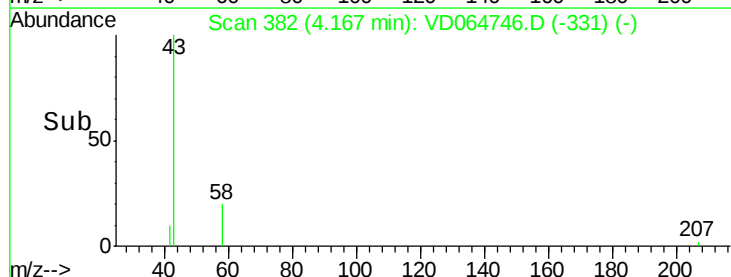
1500

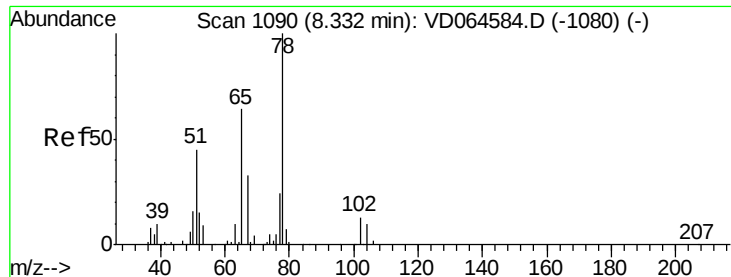
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 57.506 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064746.D

Acq: 03 Jan 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

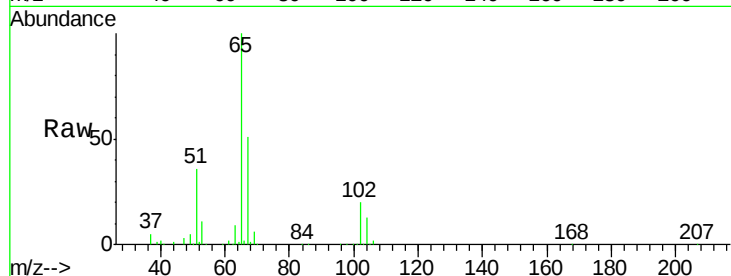
MC-123019-4-5-GRAB-B1

Tgt Ion: 65 Resp: 233212

Ion Ratio Lower Upper

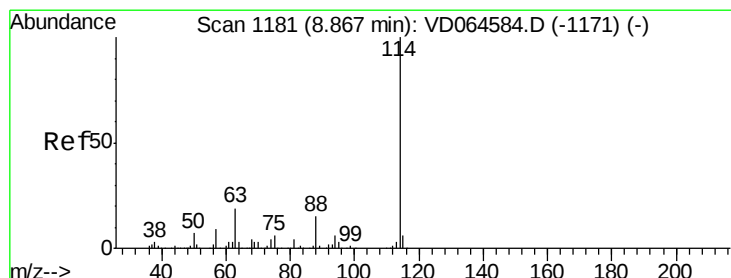
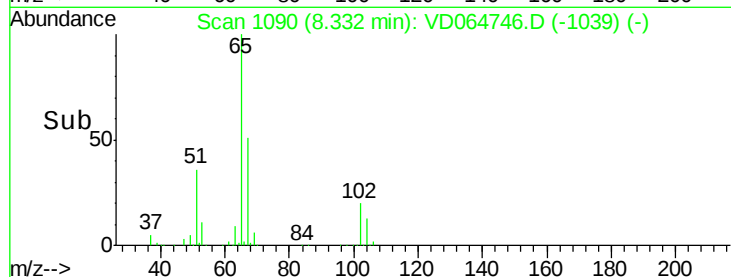
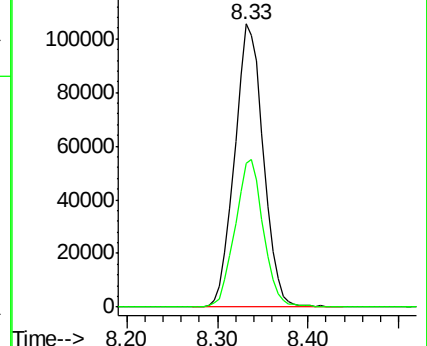
65 100

67 51.2 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: VD064746.D

Acq: 03 Jan 2020 20:53

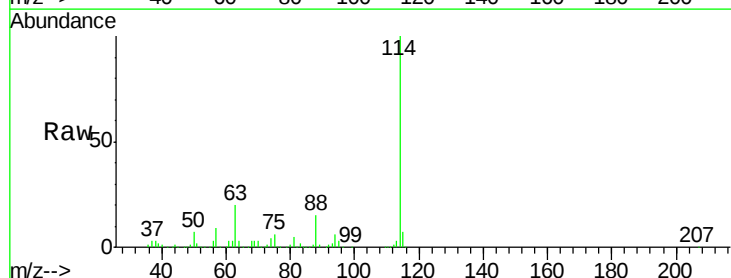
Tgt Ion: 114 Resp: 714151

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

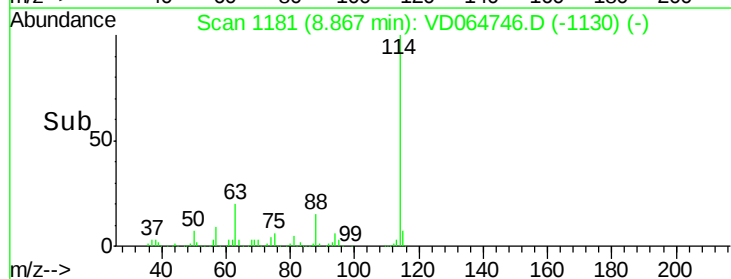
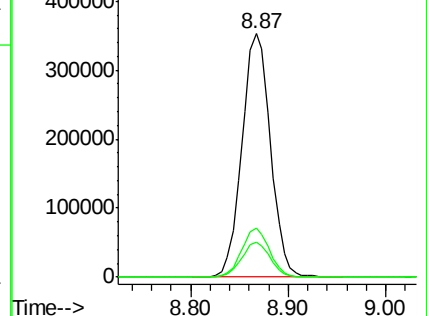
88 14.6 0.0 29.2



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

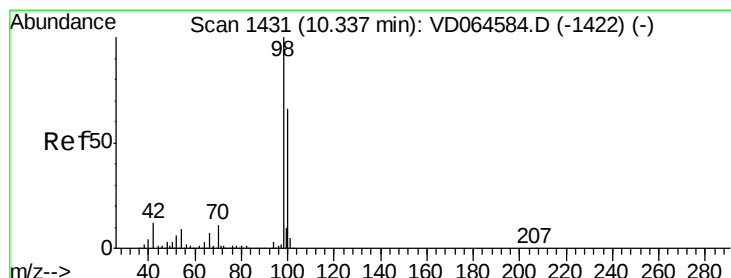
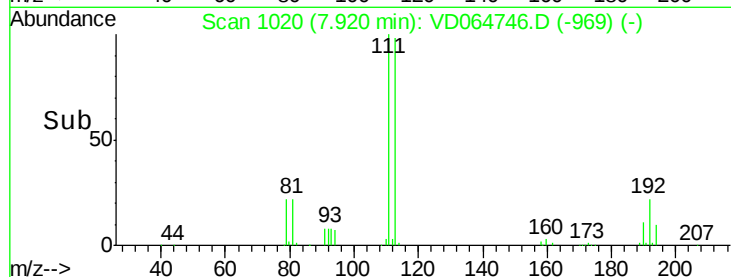
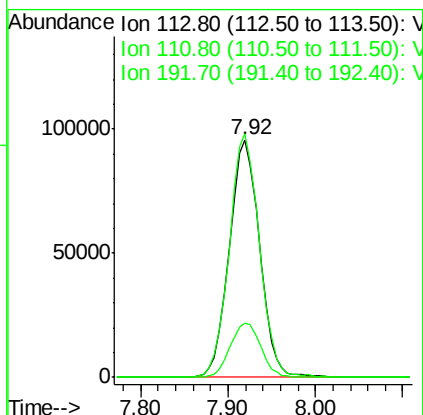
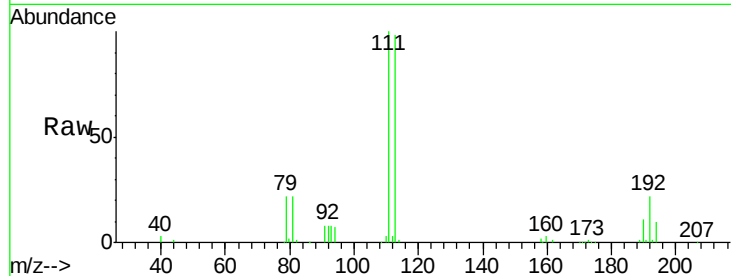




#35
 Dibromofluoromethane
 Concen: 51.378 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064746.D
 Acq: 03 Jan 2020 20:53

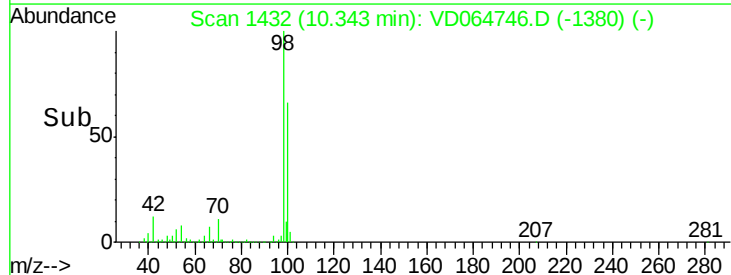
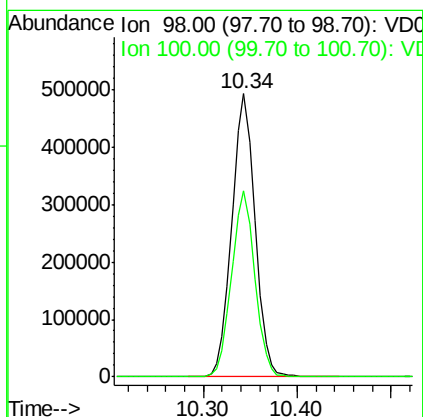
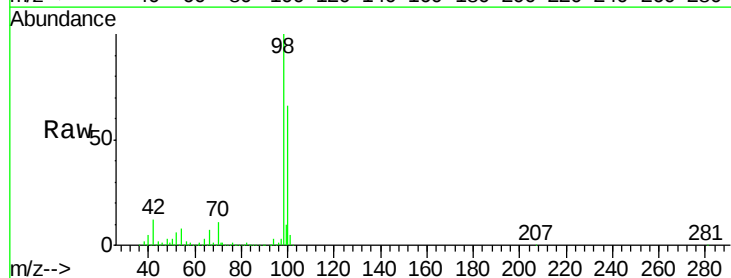
Instrument :
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 MC-123019-4-5-GRAB-B1

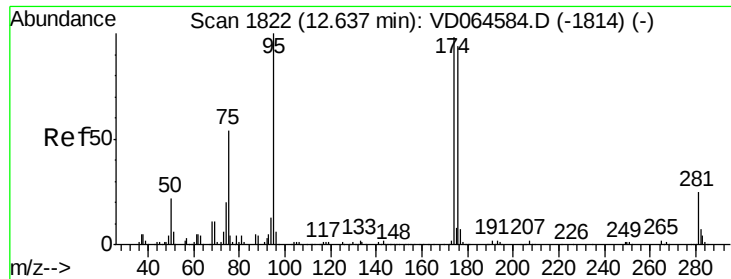
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.6	121.0
192	22.8	17.9	26.9



#50
 Toluene-d8
 Concen: 50.615 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064746.D
 Acq: 03 Jan 2020 20:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.7	77.5





#62

4-Bromofluorobenzene

Concen: 50.003 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064746.D

Acq: 03 Jan 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

MC-123019-4-5-GRAB-B1

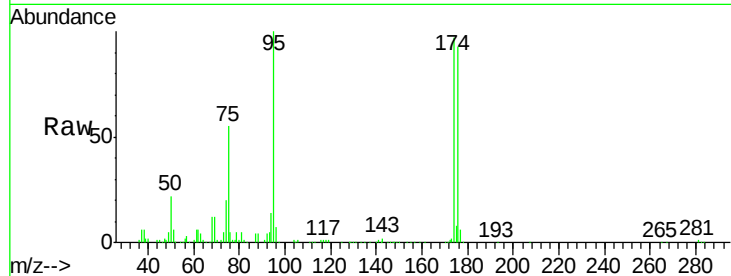
Tgt Ion: 95 Resp: 265323

Ion Ratio Lower Upper

95 100

174 93.5 0.0 193.2

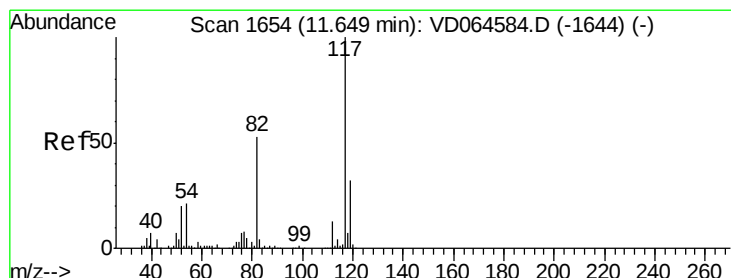
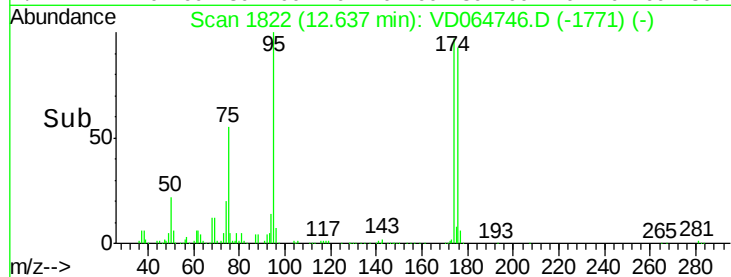
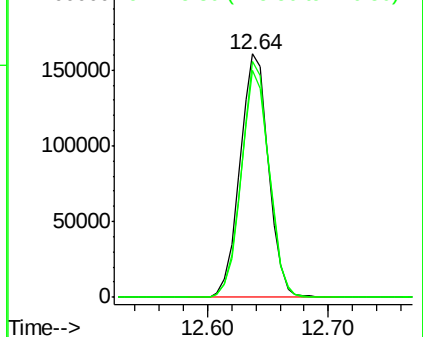
176 91.9 0.0 184.2



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: VD064746.D

Acq: 03 Jan 2020 20:53

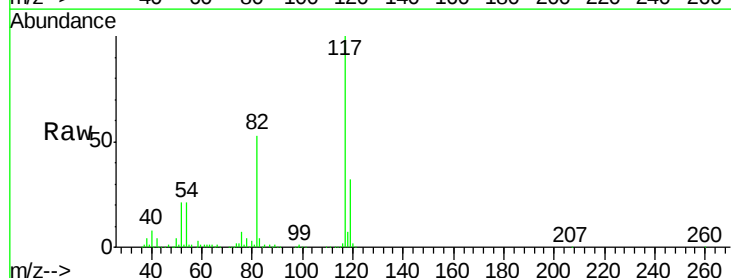
Tgt Ion: 117 Resp: 642436

Ion Ratio Lower Upper

117 100

82 52.9 42.2 63.4

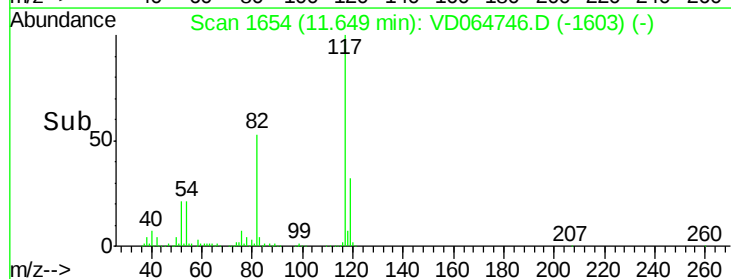
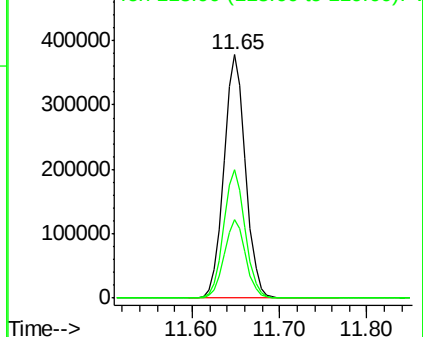
119 32.1 26.0 39.0

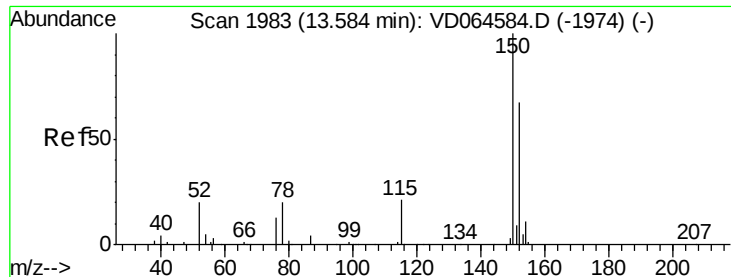


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064746.D

Acq: 03 Jan 2020 20:53

Instrument :

MSVOA_D

ClientSampleId :

MC-123019-4-5-GRAB-B1

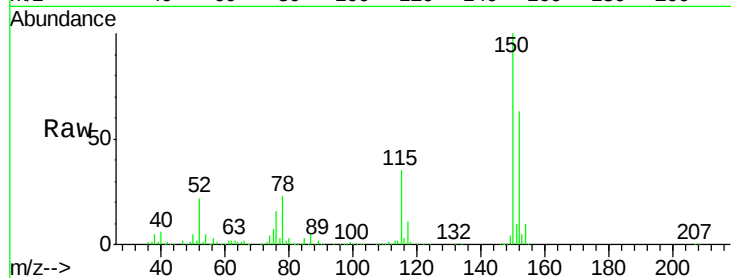
Tgt Ion:152 Resp: 299427

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

150 154.7 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

