

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066345.D
 Acq On : 20 Aug 2020 05:27
 Operator : VA/SY
 Sample : L3678-02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

Quant Time: Aug 20 08:20:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

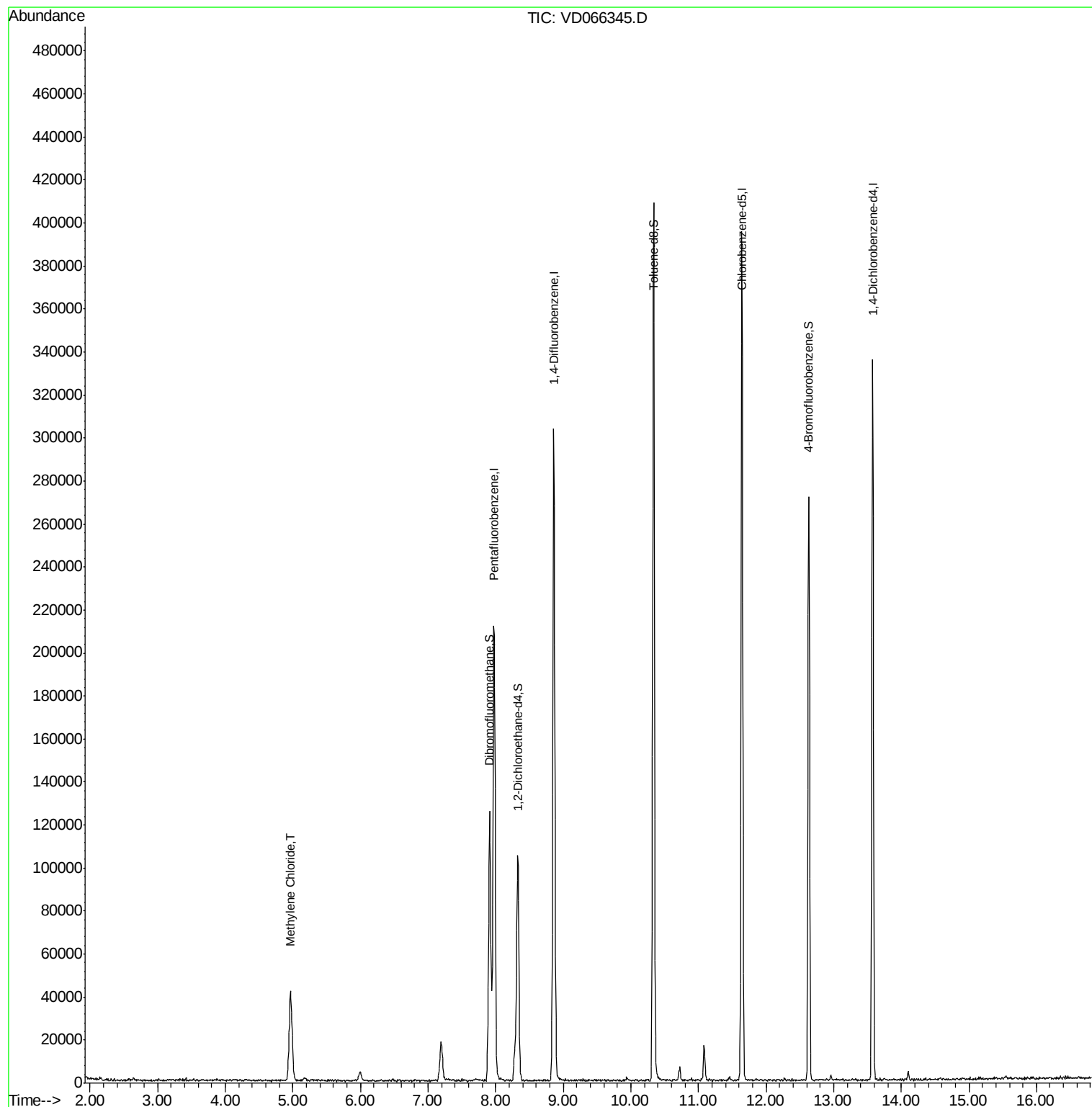
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	164110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	259986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	223295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	91109	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	87424	59.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.42%	
35) Dibromofluoromethane	7.91	113	85739	52.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.12%	
50) Toluene-d8	10.34	98	278389	45.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.60%	
62) 4-Bromofluorobenzene	12.63	95	82207	37.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.04%	
Target Compounds						
20) Methylene Chloride	4.97	84	31508	16.637	ug/l	Qvalue 93

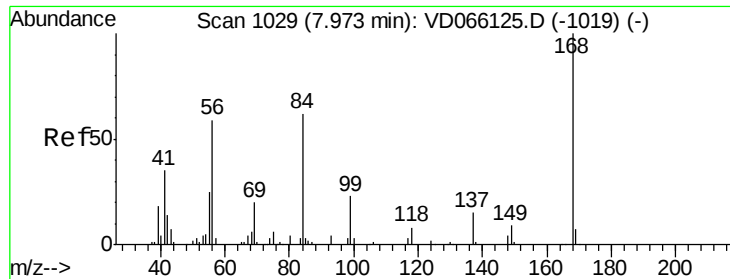
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066345.D

Acq: 20 Aug 2020 05:27

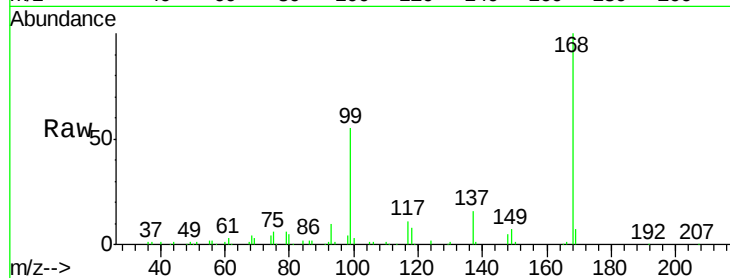
Instrument :
MSVOA_D
ClientSampleId :
BR-1

Tot Ion:168 Resp: 164110

Ion Ratio Lower Upper

168 100

99 55.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

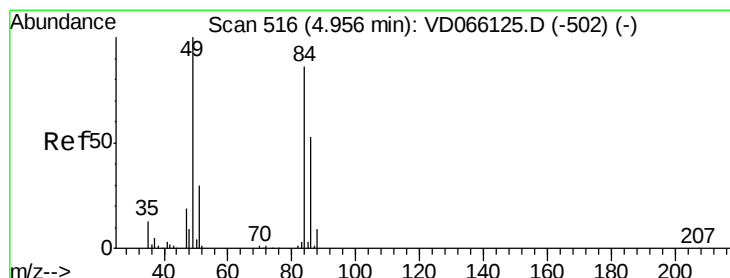
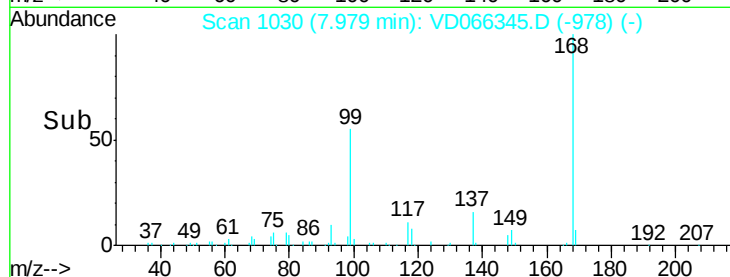
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#20

Methylene Chloride

Concen: 16.637 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066345.D

Acq: 20 Aug 2020 05:27

Tgt Ion: 84 Resp: 31508

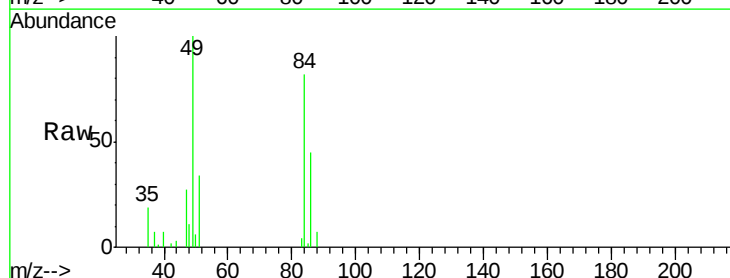
Ion Ratio Lower Upper

84 100

49 121.8 93.5 140.3

51 41.8 28.2 42.4

86 55.3 49.5 74.3



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

15000

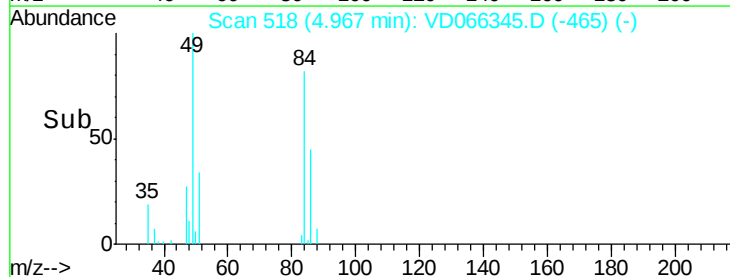
10000

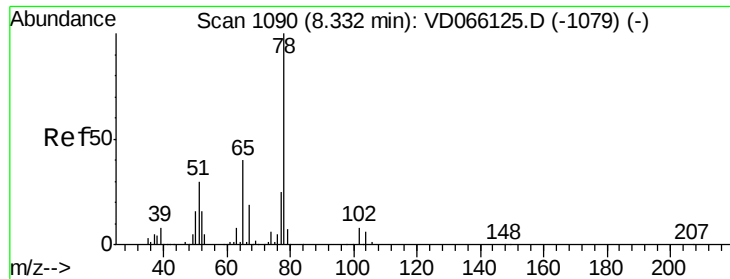
5000

0

4.90 4.95 5.00

Time-->

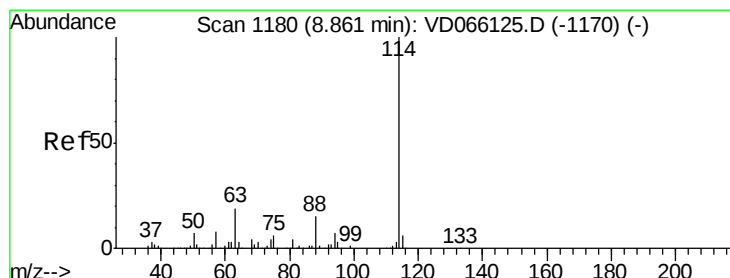
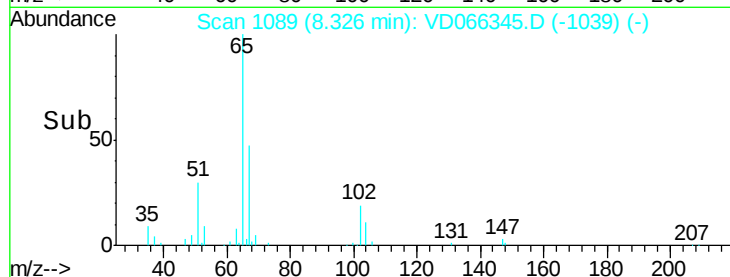
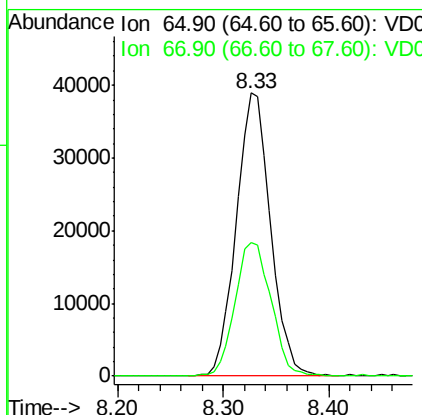
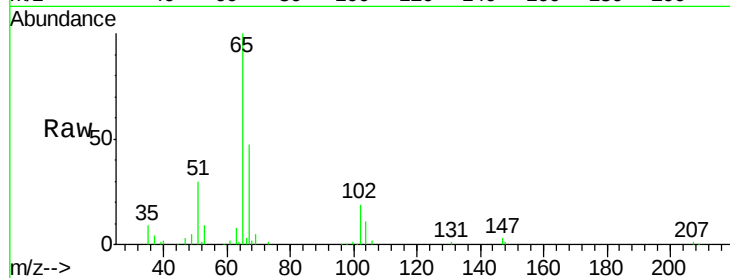




#33
 1,2-Dichloroethane-d4
 Concen: 59.711 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

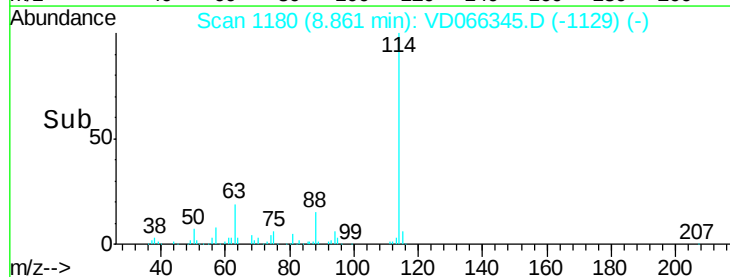
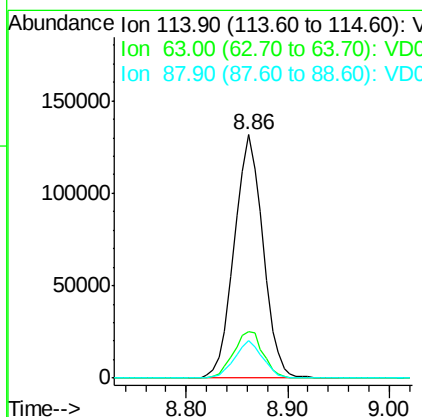
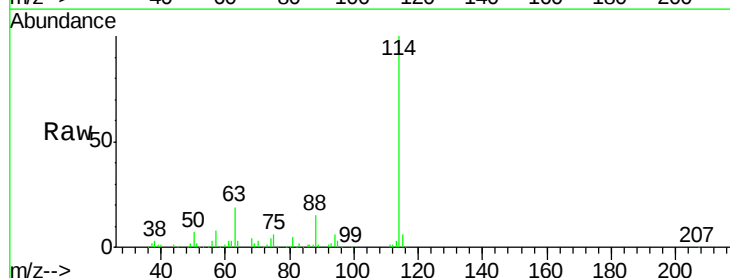
Instrument :
 MSVOA_D
 ClientSampled :
 BR-1

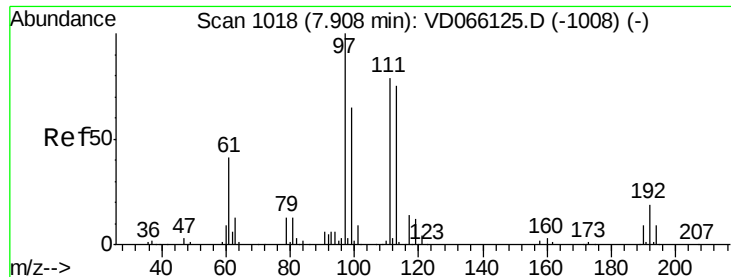
Tot Ion: 65 Resp: 87424
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

Tgt Ion: 114 Resp: 259986
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.4 0.0 30.0

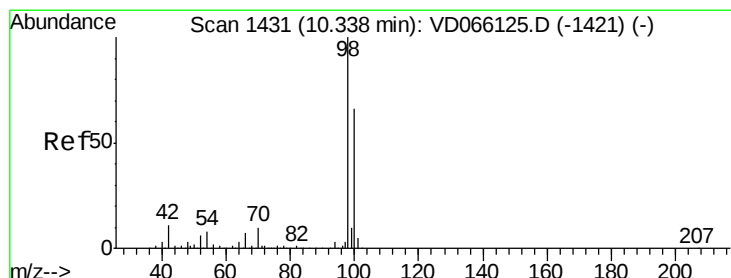
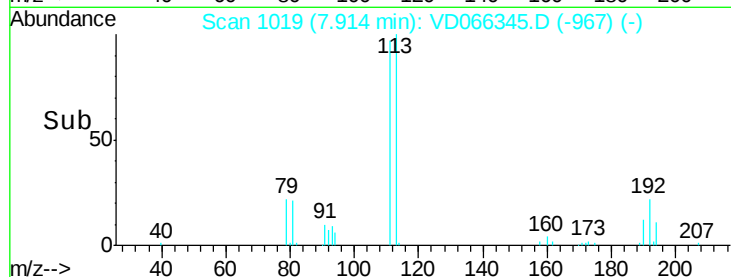
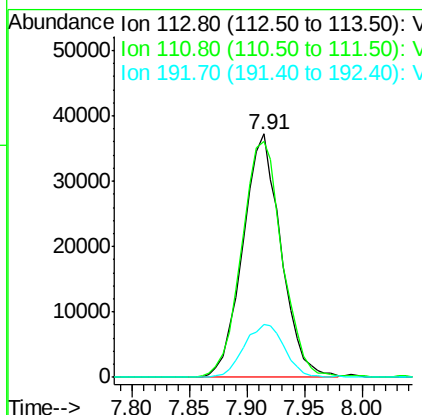
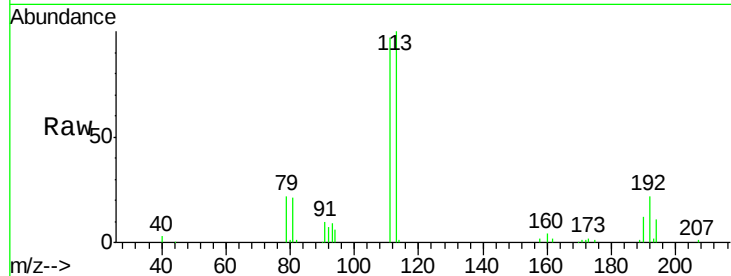




#35
 Dibromofluoromethane
 Concen: 52.058 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

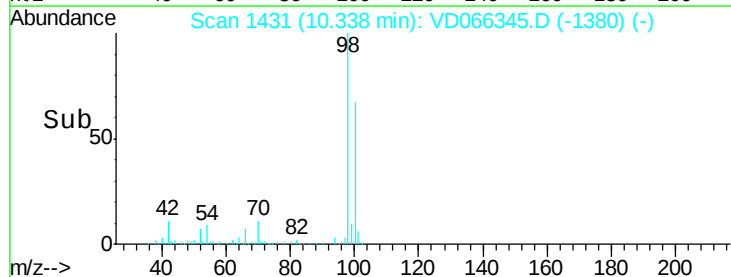
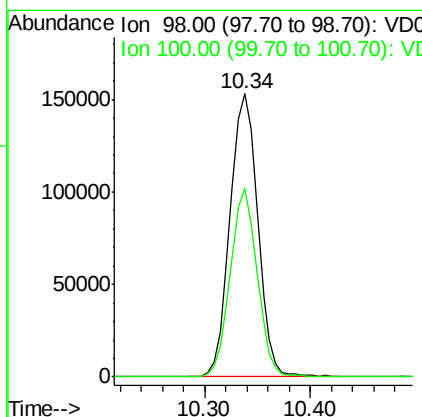
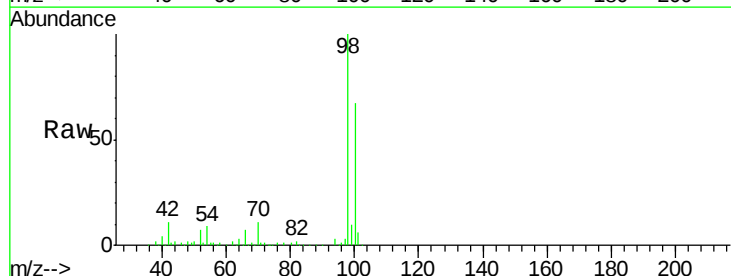
Instrument :
 MSVOA_D
 ClientSampleID :
 BR-1

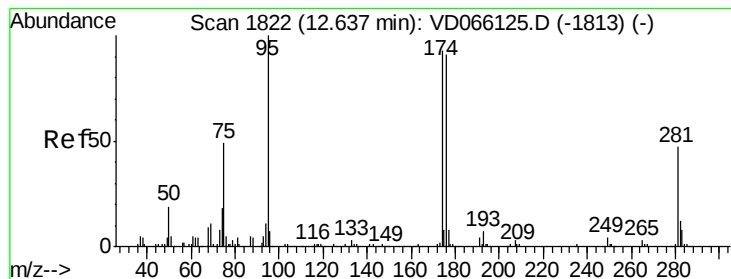
Tot Ion:113 Resp: 85739
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.7 121.1
 192 22.9 18.4 27.6



#50
 Toluene-d8
 Concen: 45.804 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066345.D
 Acq: 20 Aug 2020 05:27

Tgt Ion: 98 Resp: 278389
 Ion Ratio Lower Upper
 98 100
 100 64.6 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 37.524 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066345.D

Acq: 20 Aug 2020 05:27

Instrument :

MSVOA_D

ClientSampleId :

BR-1

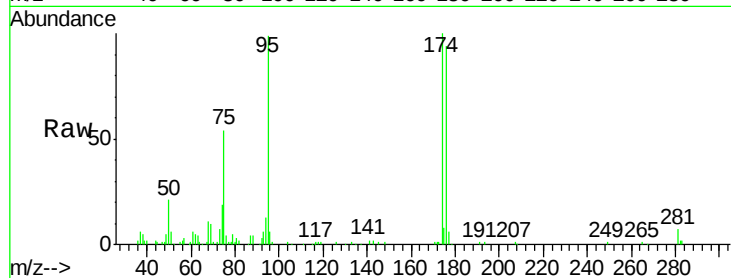
Tot Ion: 95 Resp: 82207

Ion Ratio Lower Upper

95 100

174 95.3 0.0 180.8

176 92.6 0.0 181.2



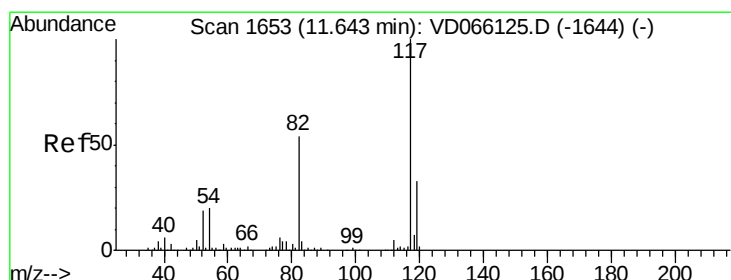
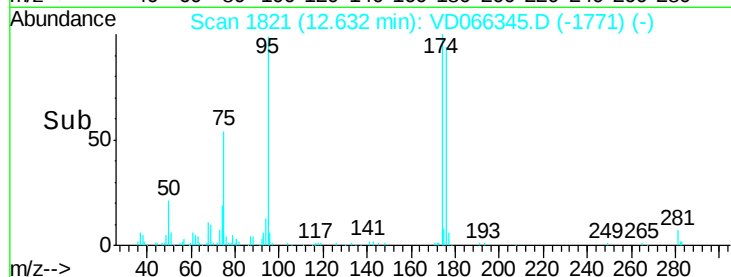
Abundance Ion 94.90 (94.60 to 95.60): VD066125.D (-1813) (-)

Ion 173.80 (173.50 to 174.50): VD066125.D (-1813) (-)

Ion 175.80 (175.50 to 176.50): VD066125.D (-1813) (-)

12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066345.D

Acq: 20 Aug 2020 05:27

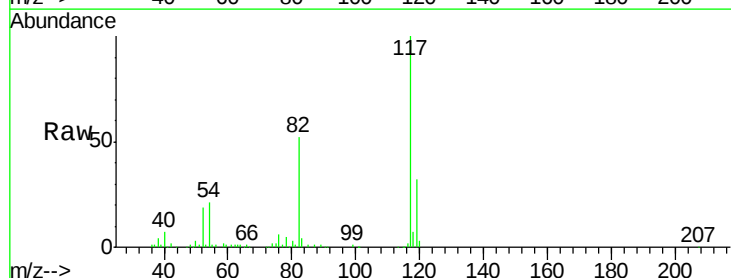
Tgt Ion: 117 Resp: 223295

Ion Ratio Lower Upper

117 100

82 52.4 43.0 64.4

119 32.1 26.1 39.1



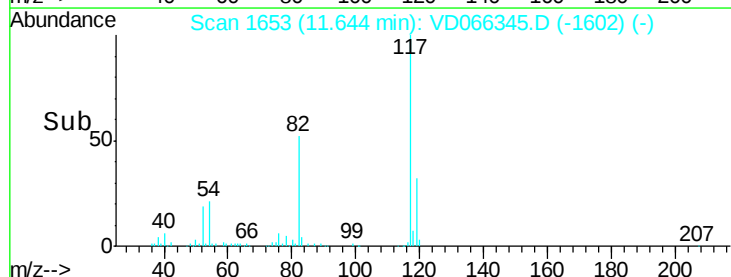
Abundance Ion 116.90 (116.60 to 117.60): VD066125.D (-1644) (-)

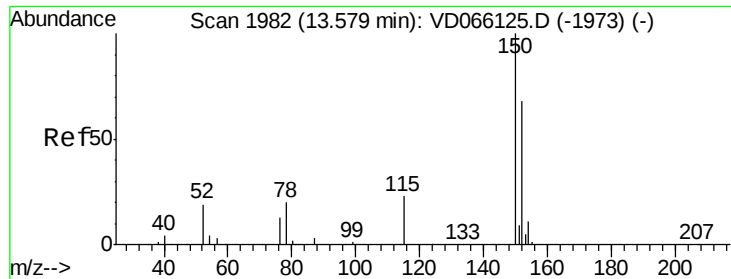
Ion 82.00 (81.70 to 82.70): VD066125.D (-1644) (-)

Ion 118.90 (118.60 to 119.60): VD066125.D (-1644) (-)

11.64

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066345.D

Acq: 20 Aug 2020 05:27

Instrument :

MSVOA_D

ClientSampleId :

BR-1

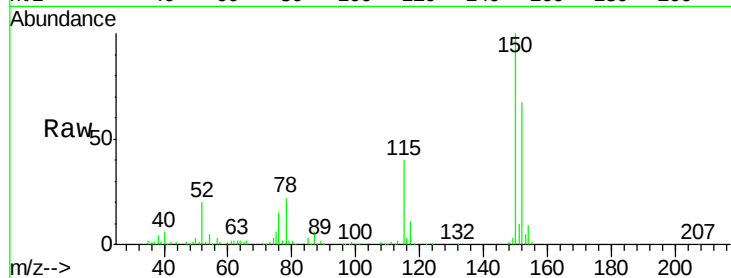
Tot Ion:152 Resp: 91109

Ion Ratio Lower Upper

152 100

115 57.5 28.0 83.9

150 156.4 0.0 346.4



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

