

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066634.D
 Acq On : 11 Sep 2020 01:44
 Operator : VA/SY
 Sample : L3937-03
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BSY-SB-02-5.0-6.0

Quant Time: Sep 11 03:27:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

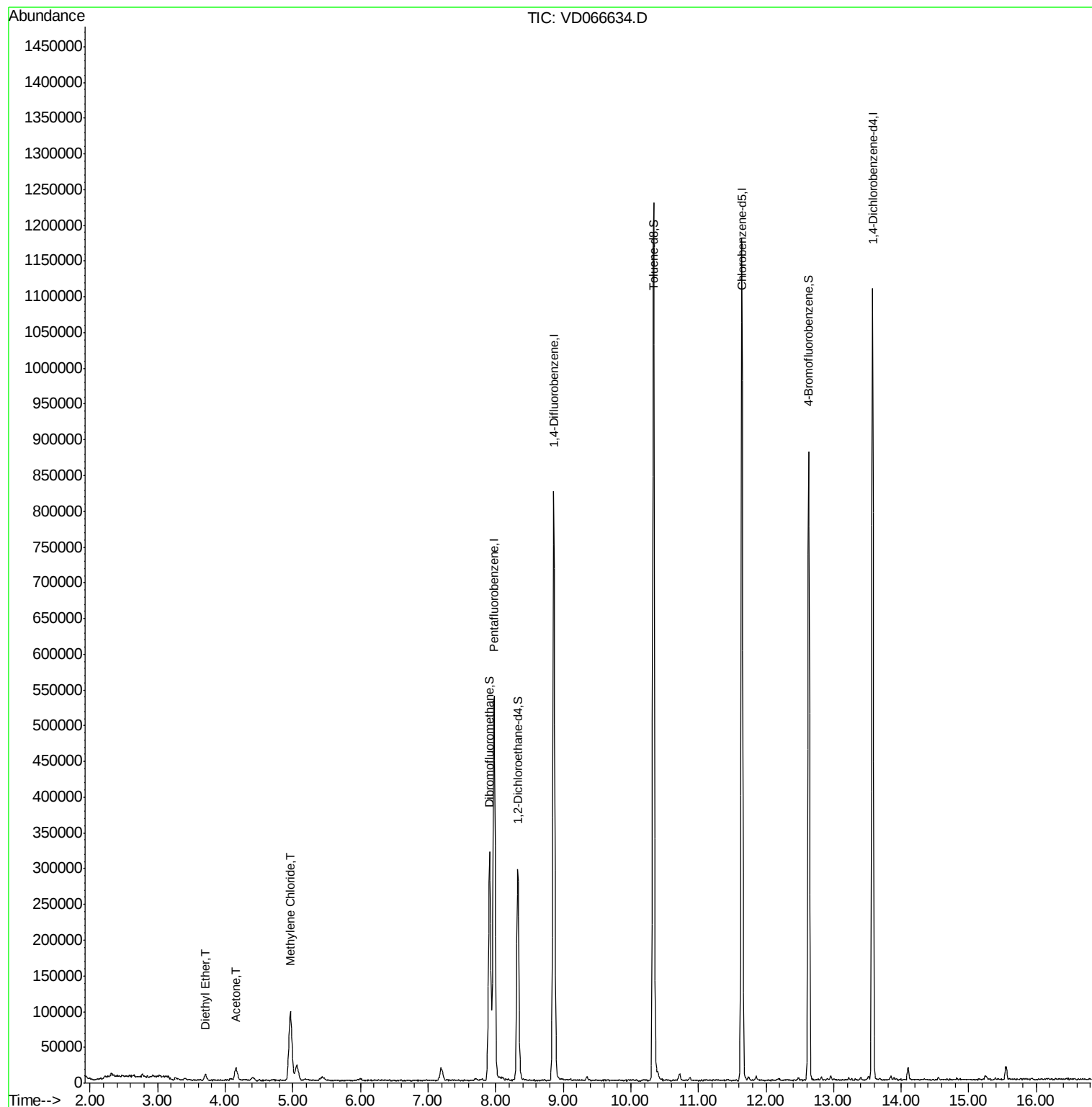
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	366787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	658418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	625279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269866	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	239438	53.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.90%	
35) Dibromofluoromethane	7.91	113	225592	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
50) Toluene-d8	10.34	98	811739	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.63	95	267855	50.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.76%	
Target Compounds						
8) Diethyl Ether	3.71	74	4047	2.115	ug/l	97
16) Acetone	4.16	43	32723	40.075	ug/l	94
20) Methylene Chloride	4.97	84	72957	11.268	ug/l	96

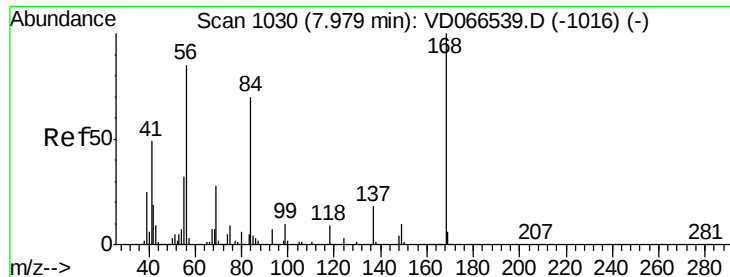
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066634.D

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MSVOA_D

ClientSampleId :

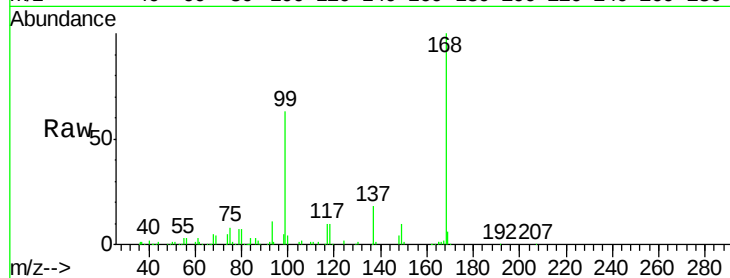
BSY-SB-02-5.0-6.0

Tot Ion:168 Resp: 366787

Ion Ratio Lower Upper

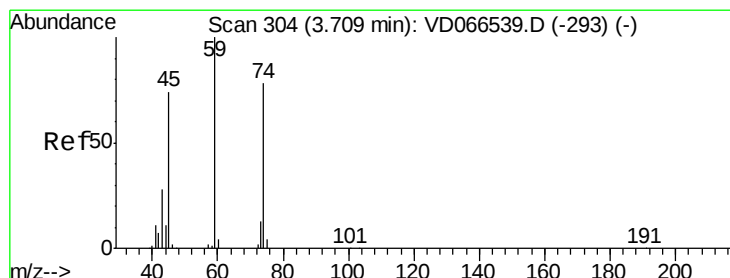
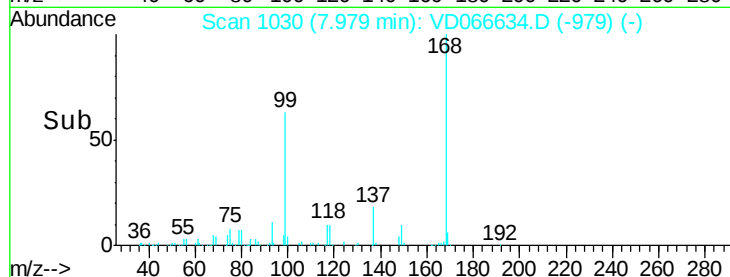
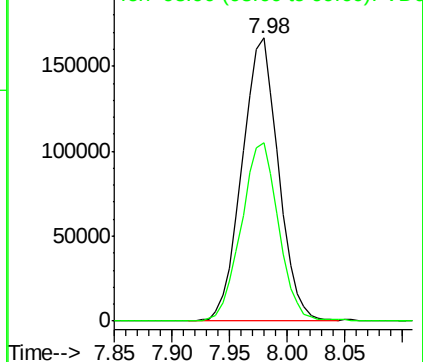
168 100

99 63.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 2.115 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD066634.D

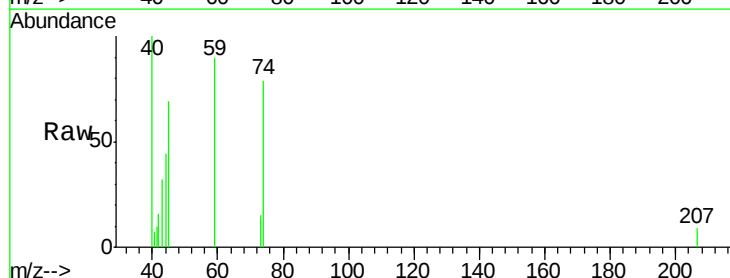
Acq: 11 Sep 2020 01:44

Tgt Ion: 74 Resp: 4047

Ion Ratio Lower Upper

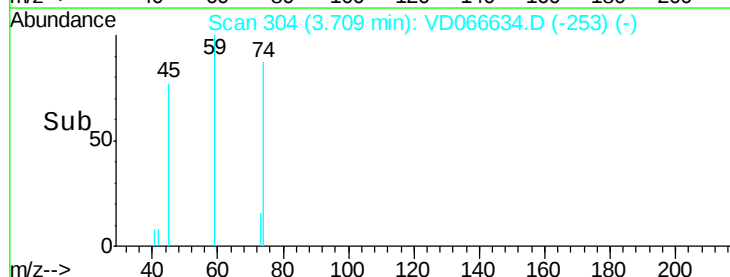
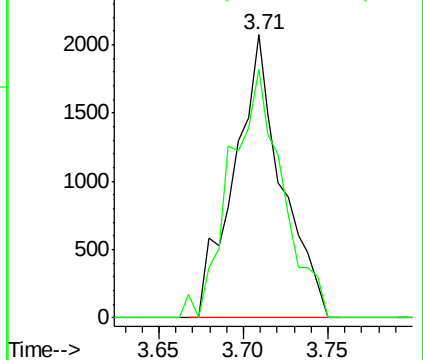
74 100

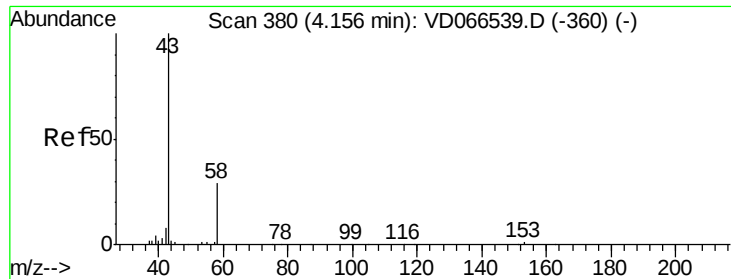
45 96.6 49.7 149.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#16

Acetone

Concen: 40.075 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

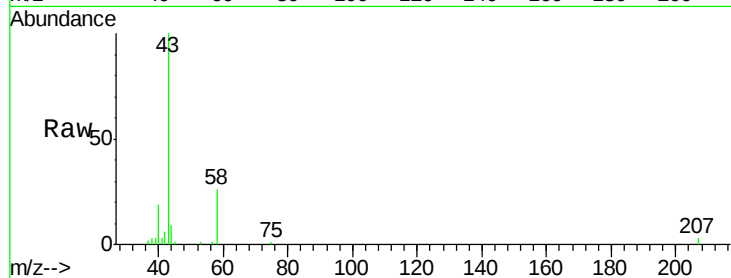
BSY-SB-02-5.0-6.0

Tot Ion: 43 Resp: 32723

Ion Ratio Lower Upper

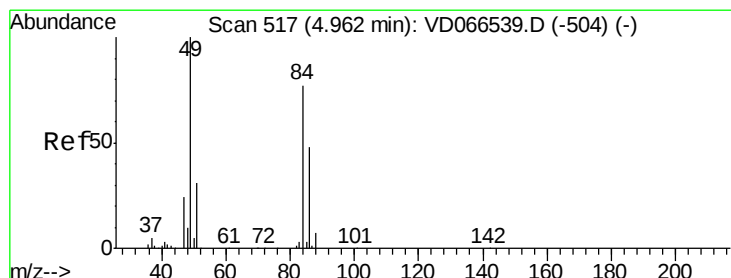
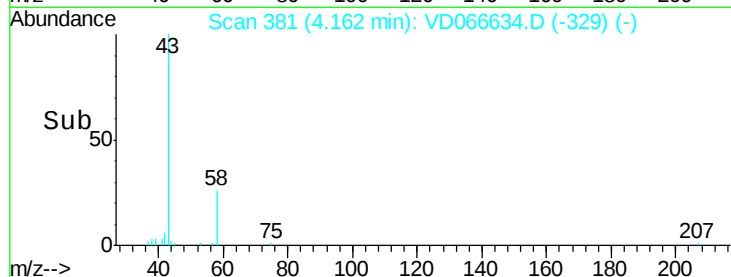
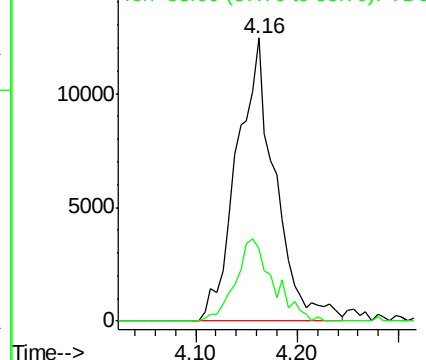
43 100

58 25.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 11.268 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Tgt Ion: 84 Resp: 72957

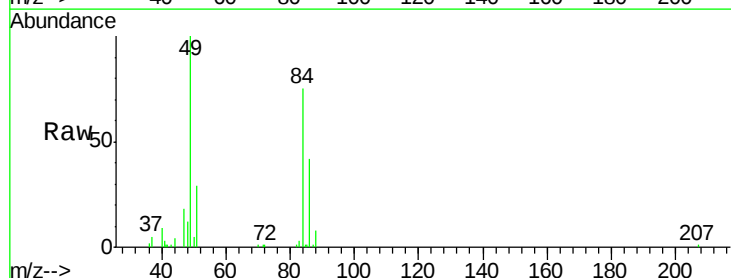
Ion Ratio Lower Upper

84 100

49 132.5 104.3 156.5

51 38.2 32.2 48.4

86 55.7 50.0 75.0

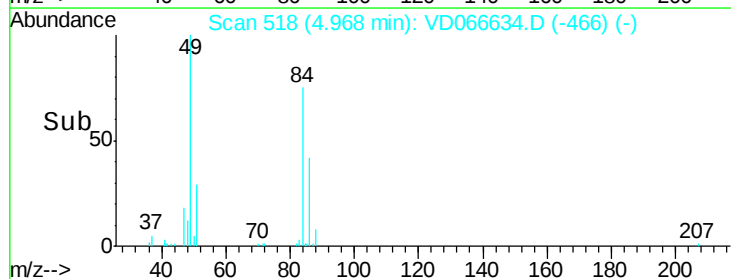
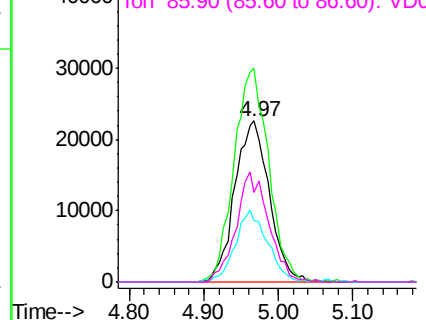


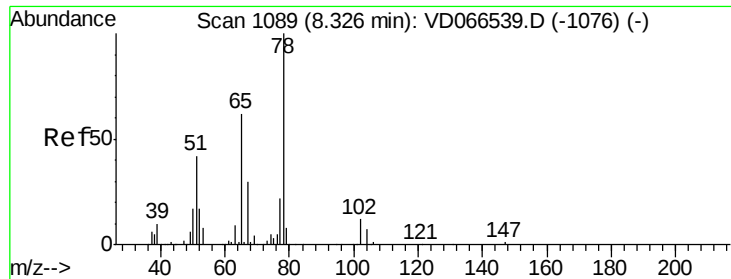
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 53.955 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

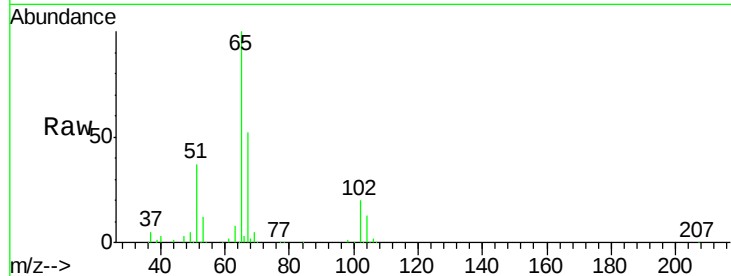
BSY-SB-02-5.0-6.0

Tot Ion: 65 Resp: 239438

Ion Ratio Lower Upper

65 100

67 50.4 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

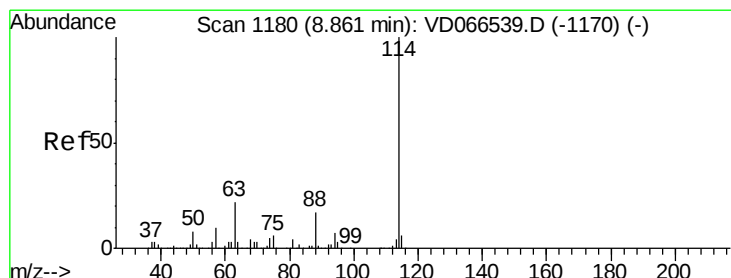
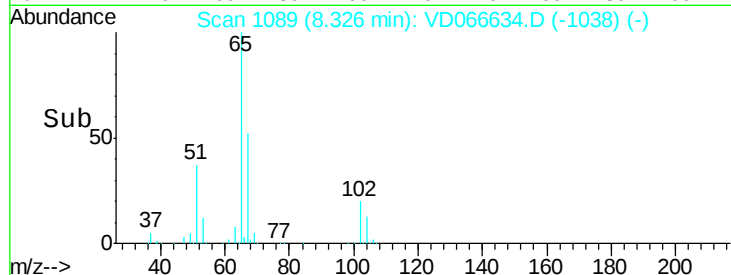
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

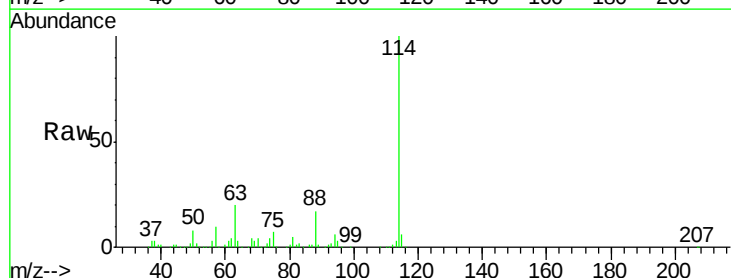
Tgt Ion: 114 Resp: 658418

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 17.1 0.0 33.2



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

8.86

400000

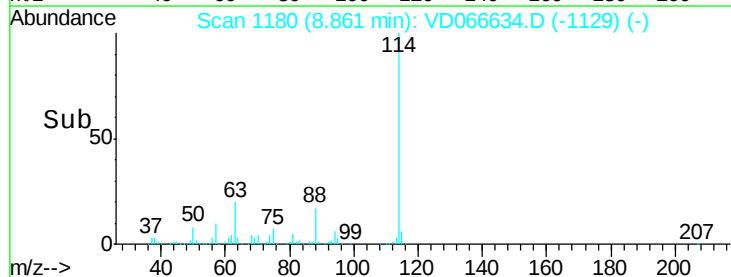
300000

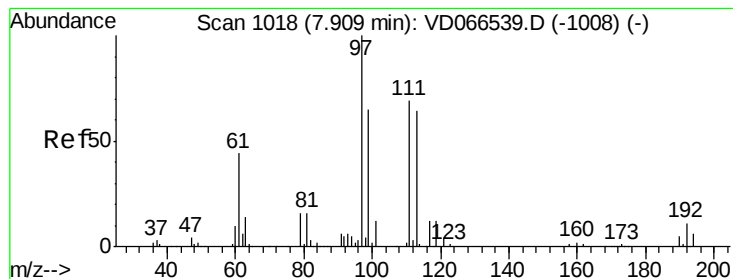
200000

100000

0

Time--> 8.80 8.90





#35

Dibromofluoromethane

Concen: 50.789 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-02-5.0-6.0

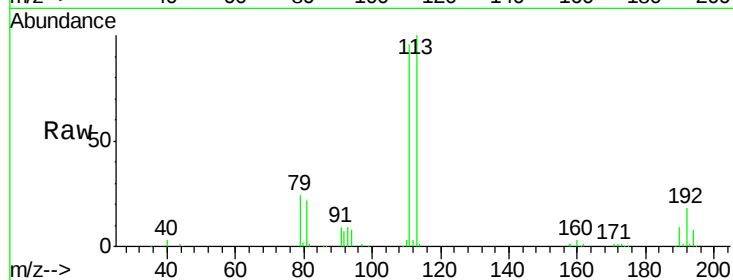
Tot Ion:113 Resp: 22592

Ion Ratio Lower Upper

113 100

111 103.9 83.2 124.8

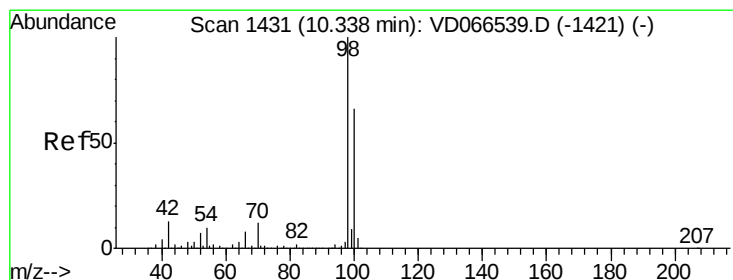
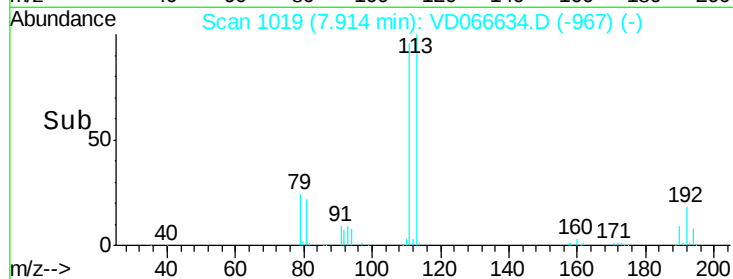
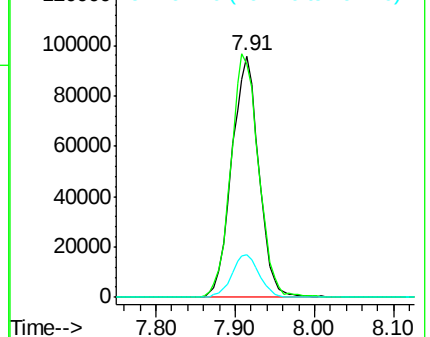
192 18.0 13.7 20.5



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: 51.132 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066634.D

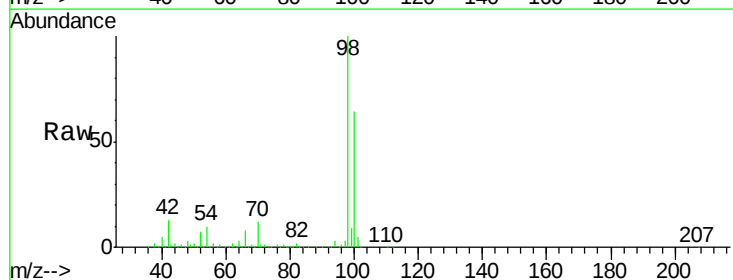
Acq: 11 Sep 2020 01:44

Tgt Ion: 98 Resp: 811739

Ion Ratio Lower Upper

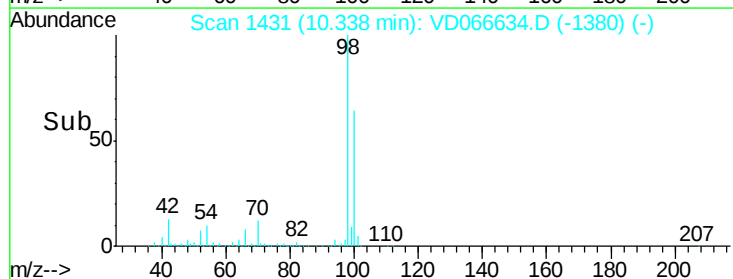
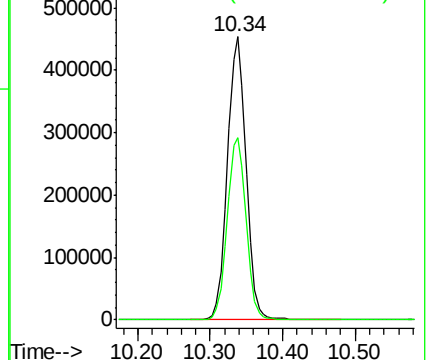
98 100

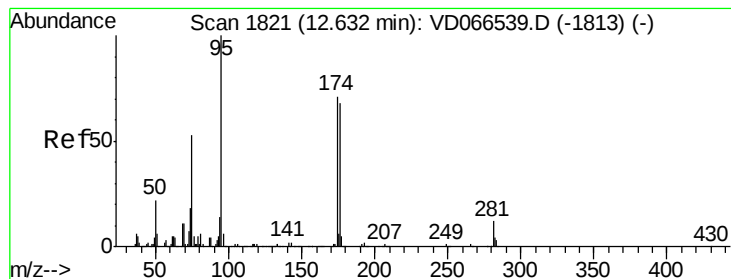
100 65.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.883 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-02-5.0-6.0

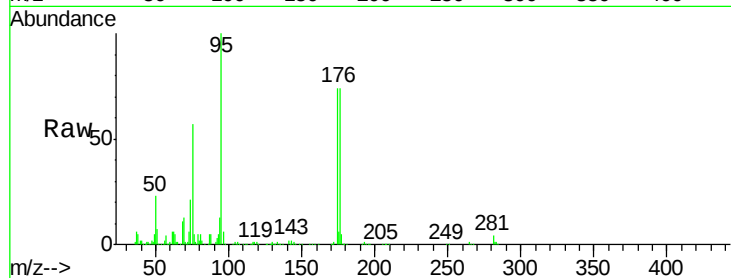
Tot Ion: 95 Resp: 267855

Ion Ratio Lower Upper

95 100

174 76.7 0.0 155.8

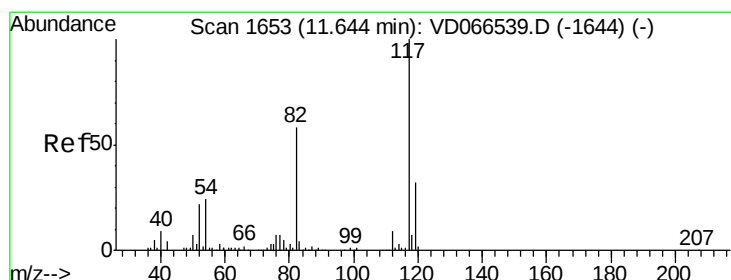
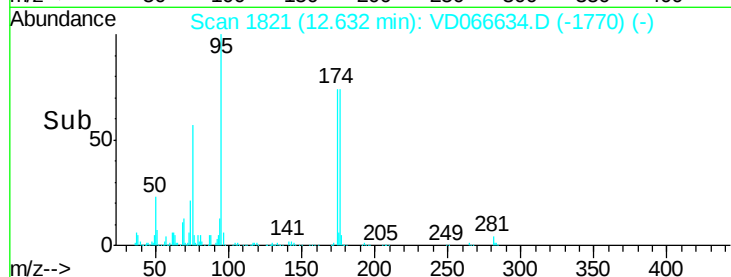
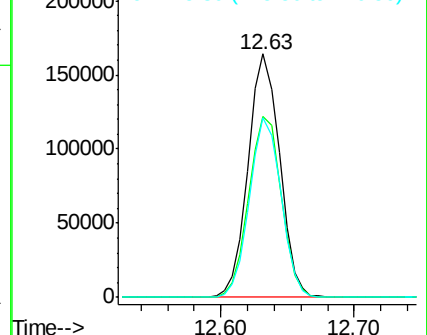
176 73.8 0.0 148.6



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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

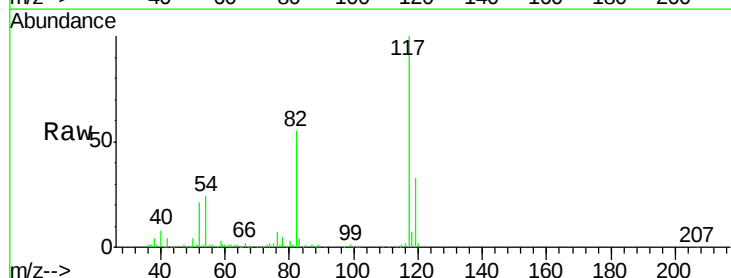
Tgt Ion: 117 Resp: 625279

Ion Ratio Lower Upper

117 100

82 54.9 46.2 69.2

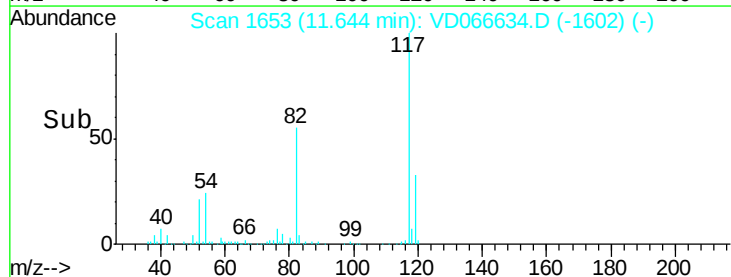
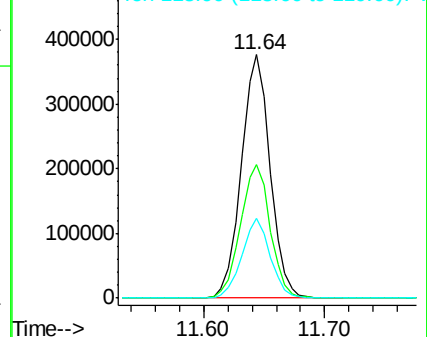
119 32.7 25.8 38.8

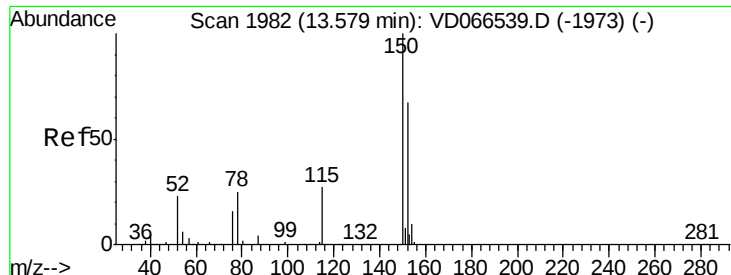


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. 0.00 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-02-5.0-6.0

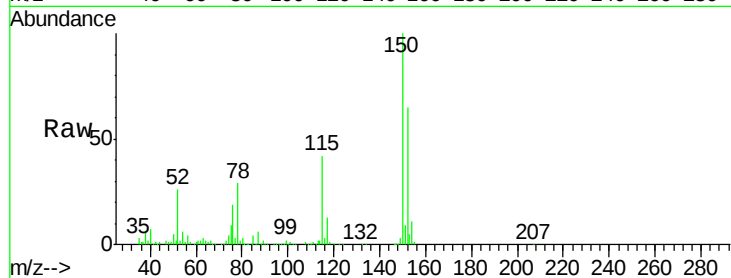
Tot Ion:152 Resp: 269866

Ion Ratio Lower Upper

152 100

115 63.4 30.4 91.2

150 158.5 0.0 345.8



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

