

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065968.D
 Acq On : 16 Jul 2020 20:19
 Operator : VA/SY
 Sample : L3308-08
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 8

Quant Time: Jul 17 04:48:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

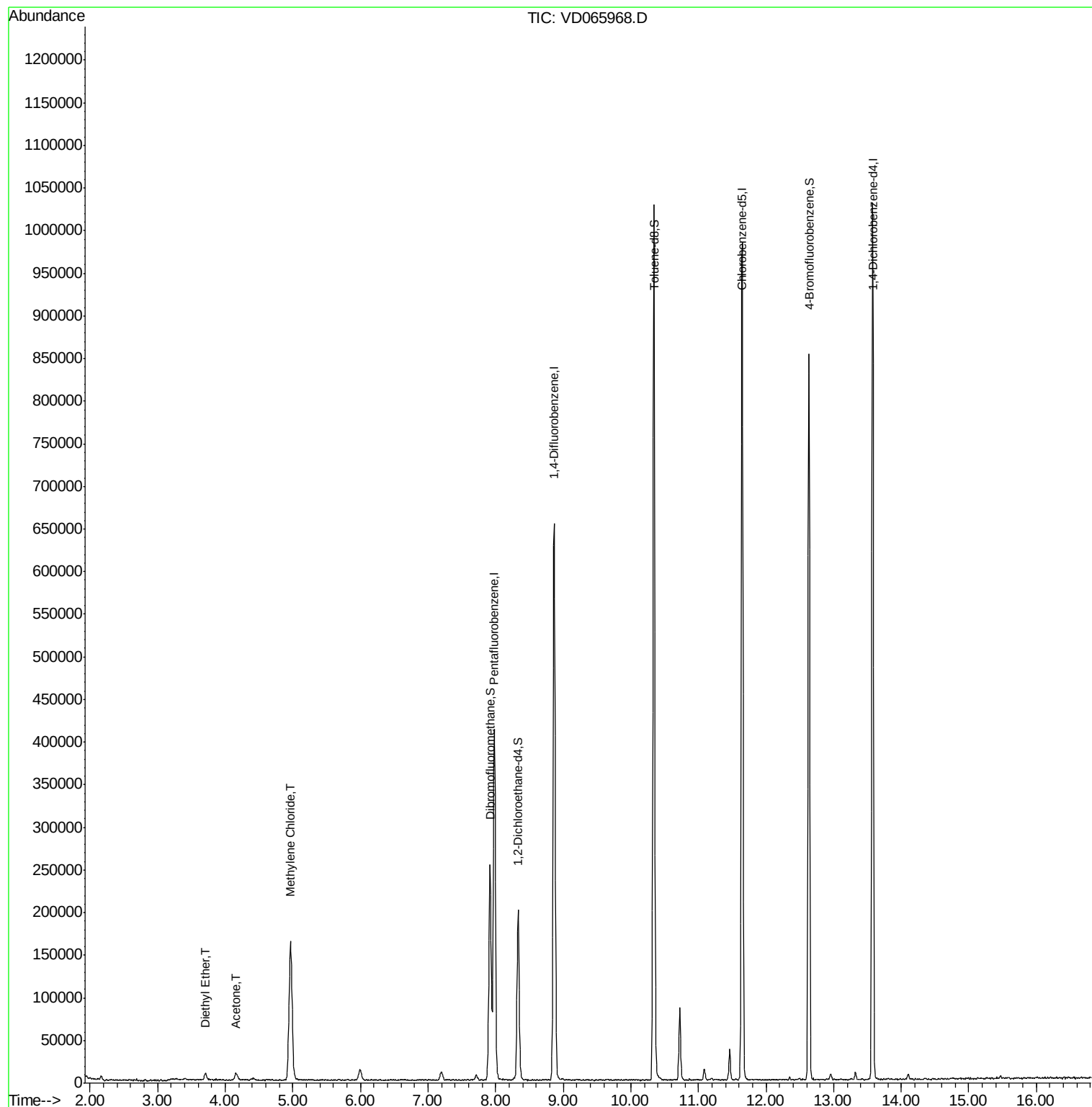
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	332357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	591960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289437	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	159123	54.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.04%	
35) Dibromofluoromethane	7.92	113	182015	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
50) Toluene-d8	10.34	98	714783	53.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.30%	
62) 4-Bromofluorobenzene	12.64	95	261951	57.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.50%	
Target Compounds						
8) Diethyl Ether	3.71	74	3891	2.461	ug/l	68
16) Acetone	4.16	43	15145	21.940	ug/l	90
20) Methylene Chloride	4.96	84	126894	29.857	ug/l	94

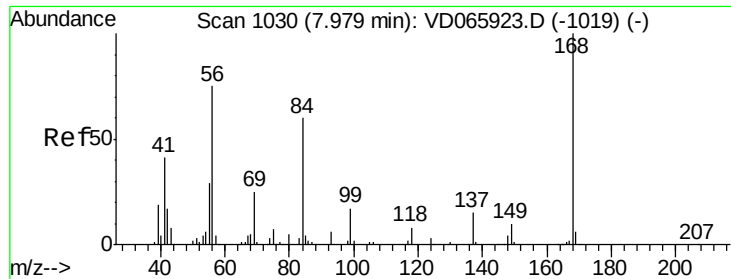
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

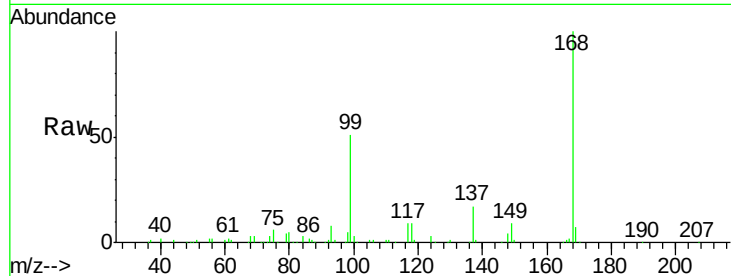
Instrument :
MSVOA_D
ClientSampled :
8

Tot Ion:168 Resp: 332357

Ion Ratio Lower Upper

168 100

99 50.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

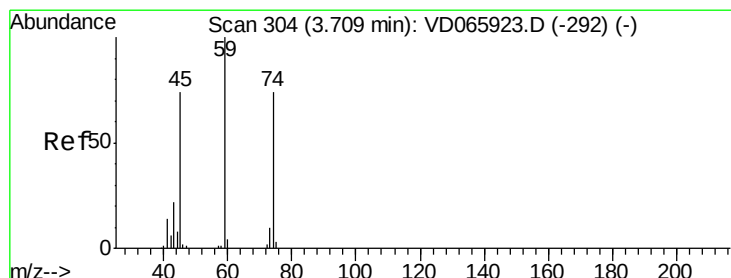
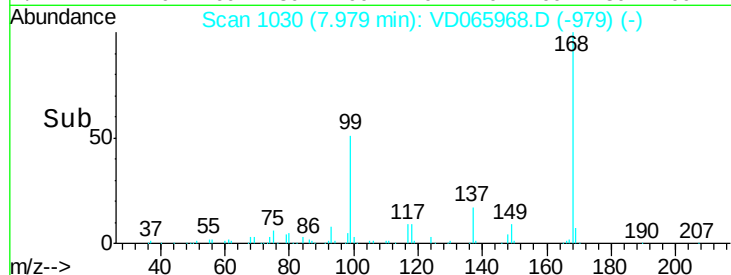
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.461 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065968.D

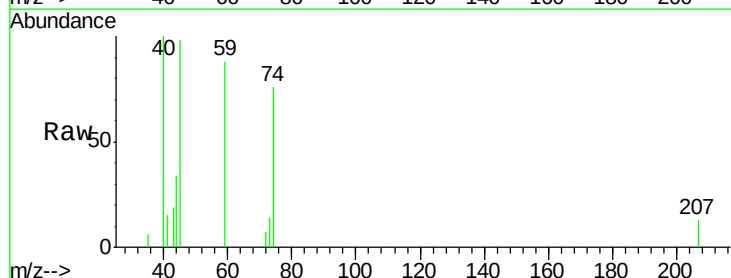
Acq: 16 Jul 2020 20:19

Tgt Ion: 74 Resp: 3891

Ion Ratio Lower Upper

74 100

45 134.1 51.1 153.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3000

2500

2000

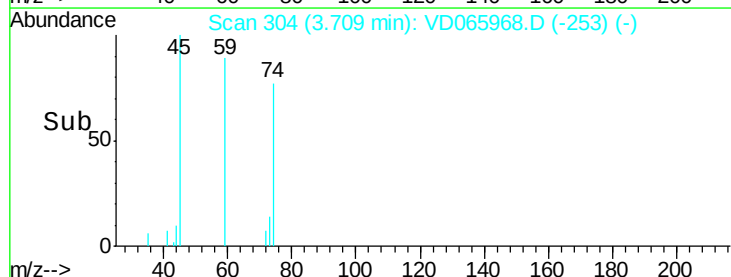
1500

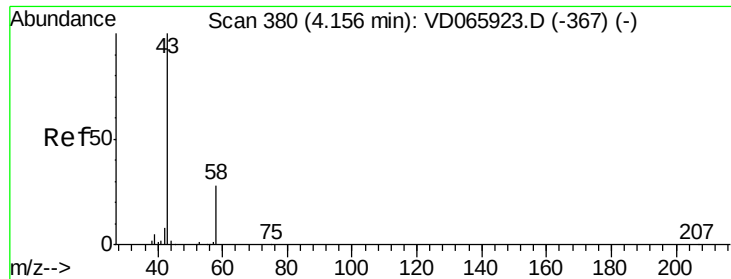
1000

500

0

Time-->





#16

Acetone

Concen: 21.940 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

Instrument :

MSVOA_D

ClientSampled :

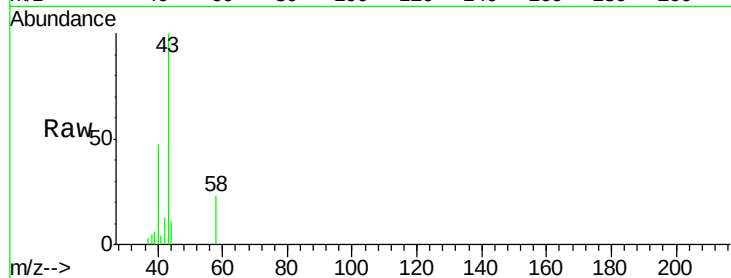
8

Tot Ion: 43 Resp: 15145

Ion Ratio Lower Upper

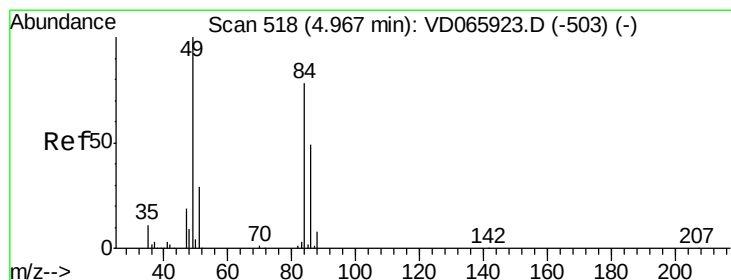
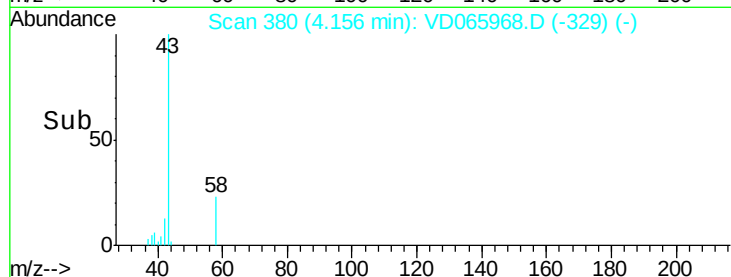
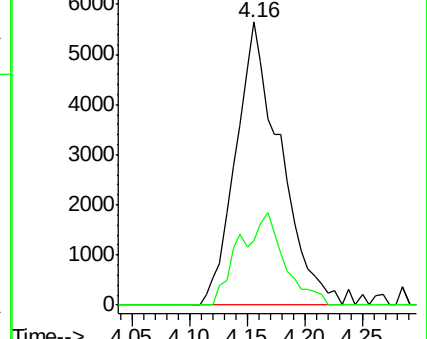
43 100

58 22.9 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 29.857 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

Tgt Ion: 84 Resp: 126894

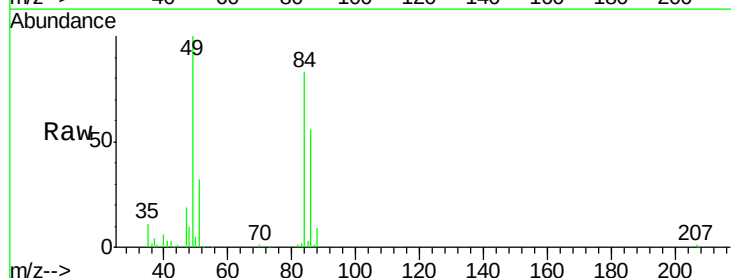
Ion Ratio Lower Upper

84 100

49 120.7 102.2 153.2

51 38.7 29.8 44.6

86 67.7 50.2 75.2

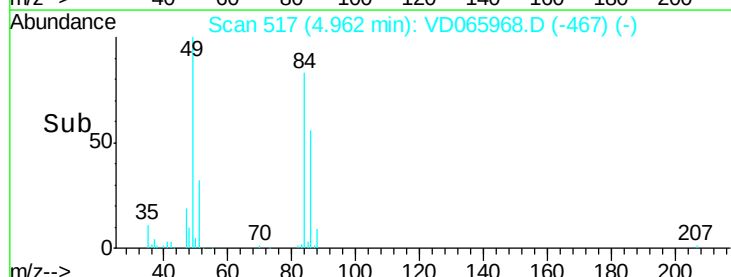
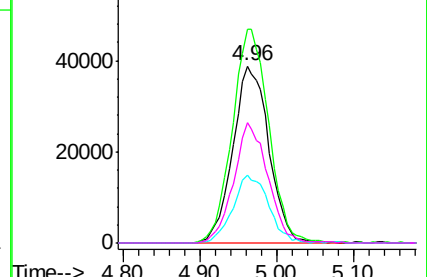


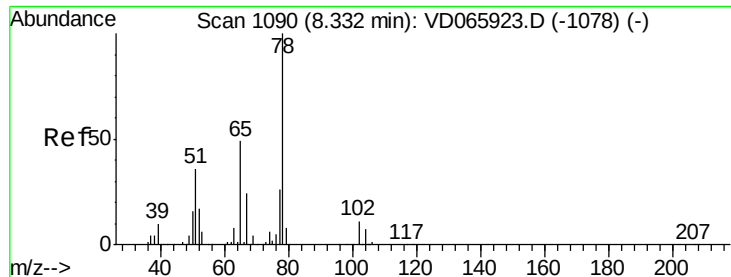
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

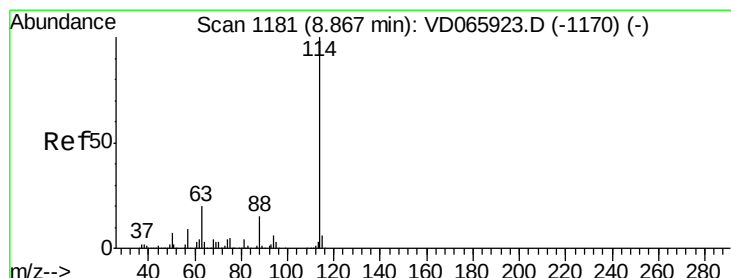
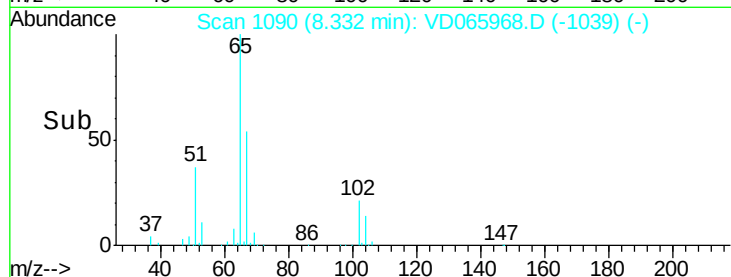
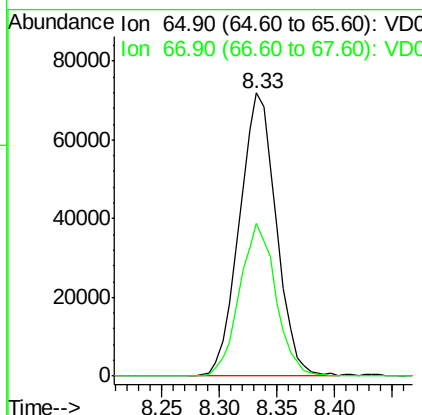
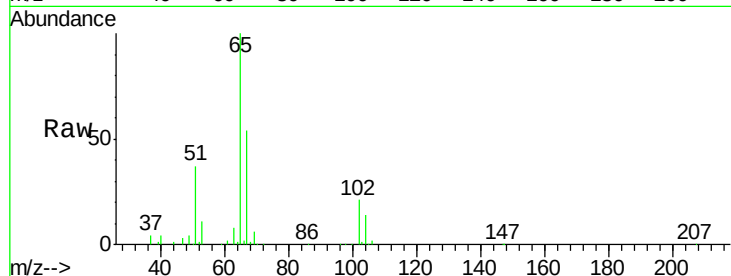




#33
 1,2-Dichloroethane-d4
 Concen: 54.024 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065968.D
 Acq: 16 Jul 2020 20:19

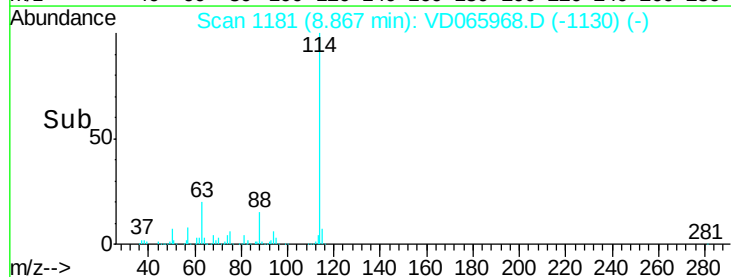
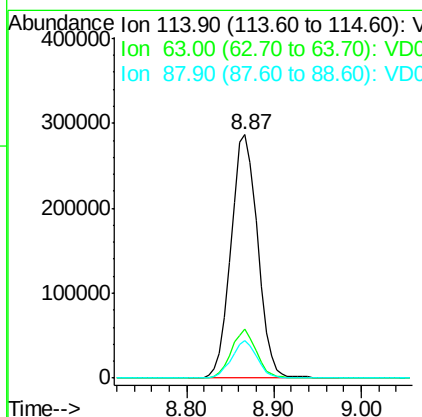
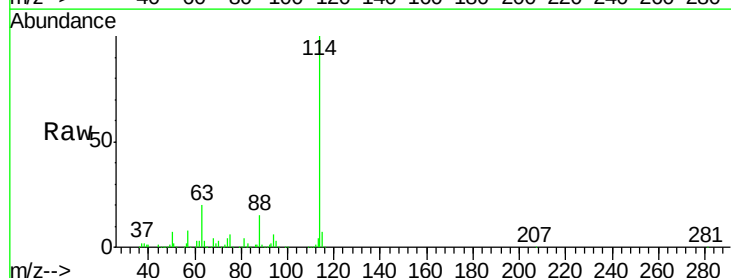
Instrument :
 MSVOA_D
 ClientSampled :
 8

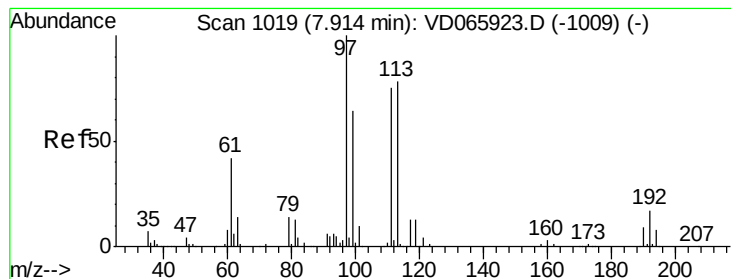
Tot Ion: 65 Resp: 159123
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065968.D
 Acq: 16 Jul 2020 20:19

Tgt Ion: 114 Resp: 591960
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.2
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.843 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

8

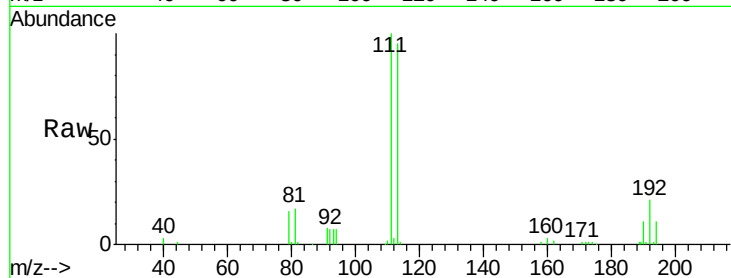
Tot Ion:113 Resp: 182015

Ion Ratio Lower Upper

113 100

111 103.2 80.9 121.3

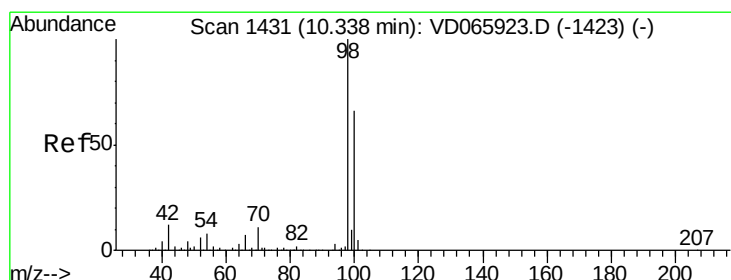
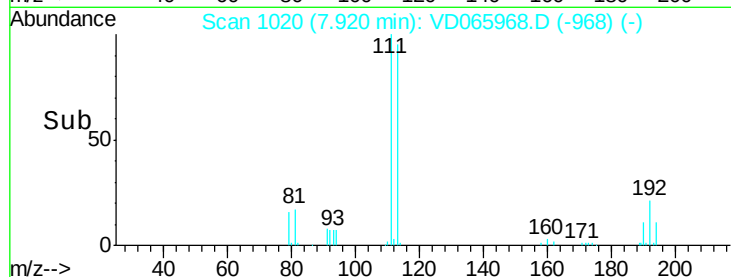
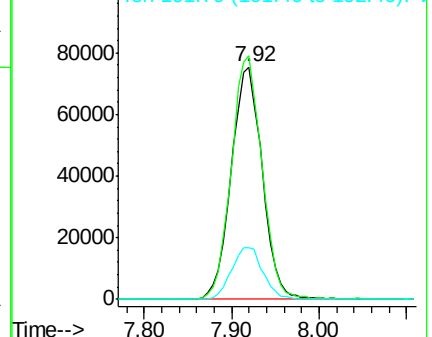
192 22.6 17.1 25.7



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: 53.647 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065968.D

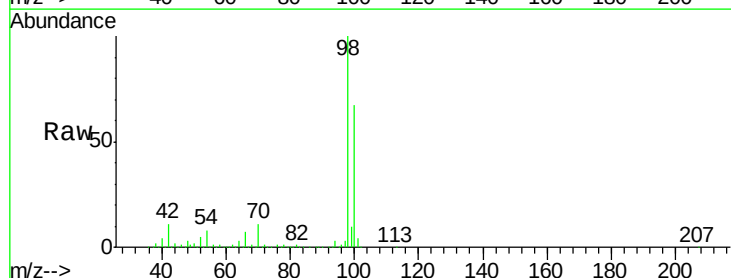
Acq: 16 Jul 2020 20:19

Tgt Ion: 98 Resp: 714783

Ion Ratio Lower Upper

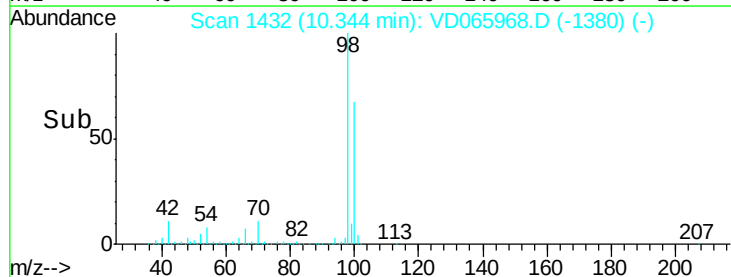
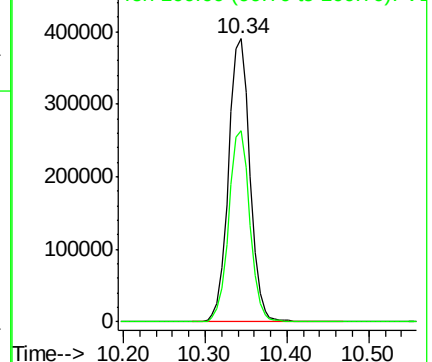
98 100

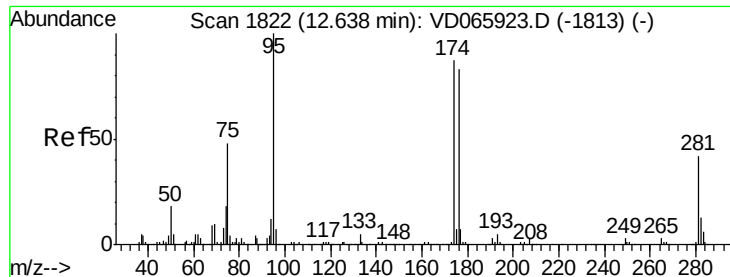
100 66.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

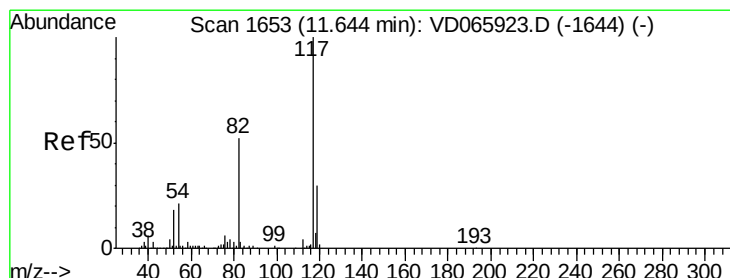
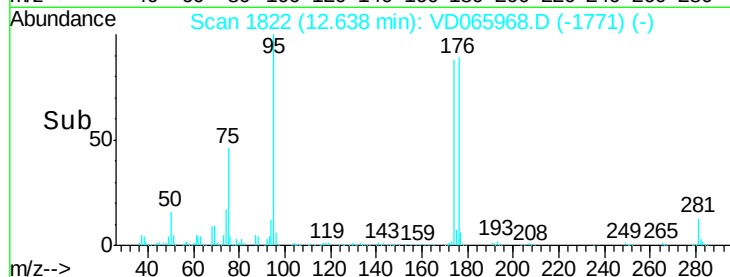
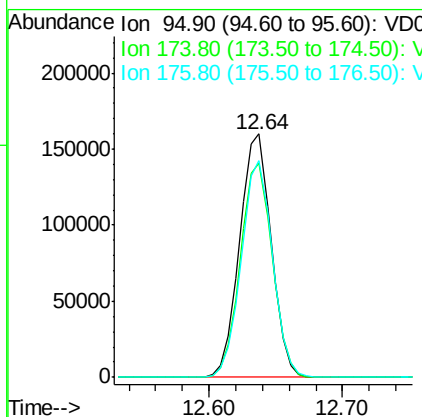
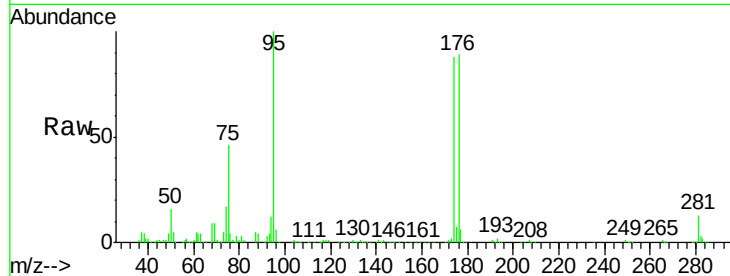




#62
4-Bromofluorobenzene
Concen: 57.251 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065968.D
Acq: 16 Jul 2020 20:19

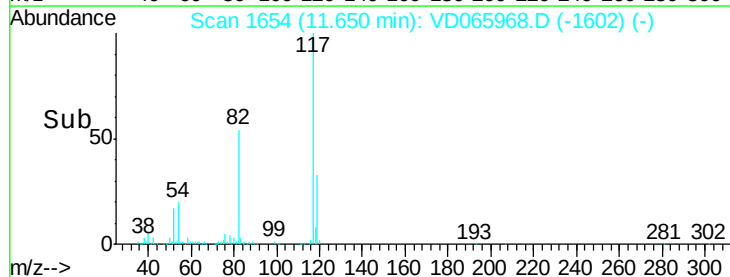
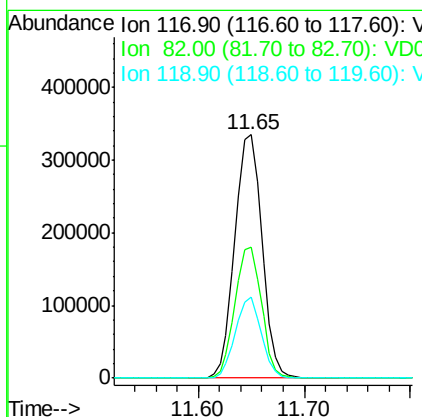
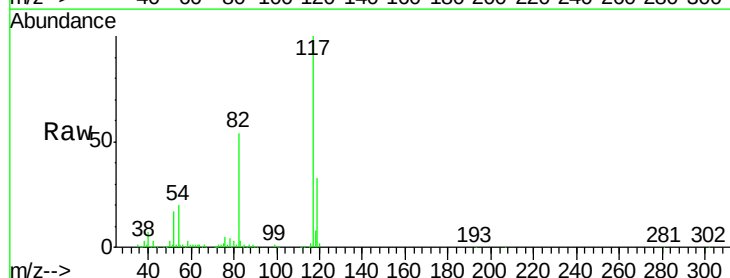
Instrument :
MSVOA_D
ClientSampleId :
8

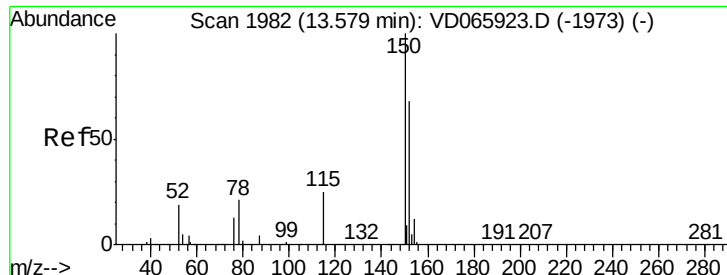
Tot Ion	95	Resp	261951
Ion Ratio	Lower	Upper	
95	100		
174	88.6	0.0	169.4
176	87.6	0.0	164.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065968.D
Acq: 16 Jul 2020 20:19

Tgt Ion	117	Resp	597476
Ion Ratio	Lower	Upper	
117	100		
82	53.8	41.8	62.8
119	33.1	24.3	36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

8

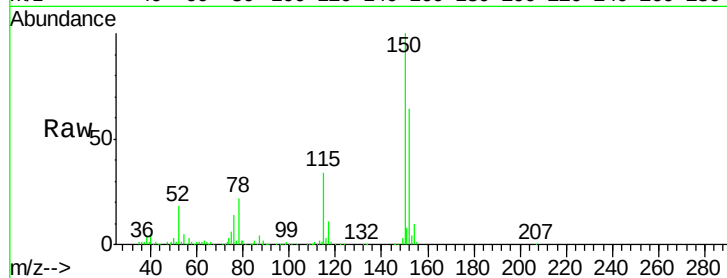
Tot Ion:152 Resp: 289437

Ion Ratio Lower Upper

152 100

115 55.0 27.8 83.3

150 155.2 0.0 347.2



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

