

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067003.D
 Acq On : 01 Oct 2020 20:04
 Operator : VA/SY
 Sample : L4198-07
 Misc : 7.26G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-25

Quant Time: Oct 02 01:18:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

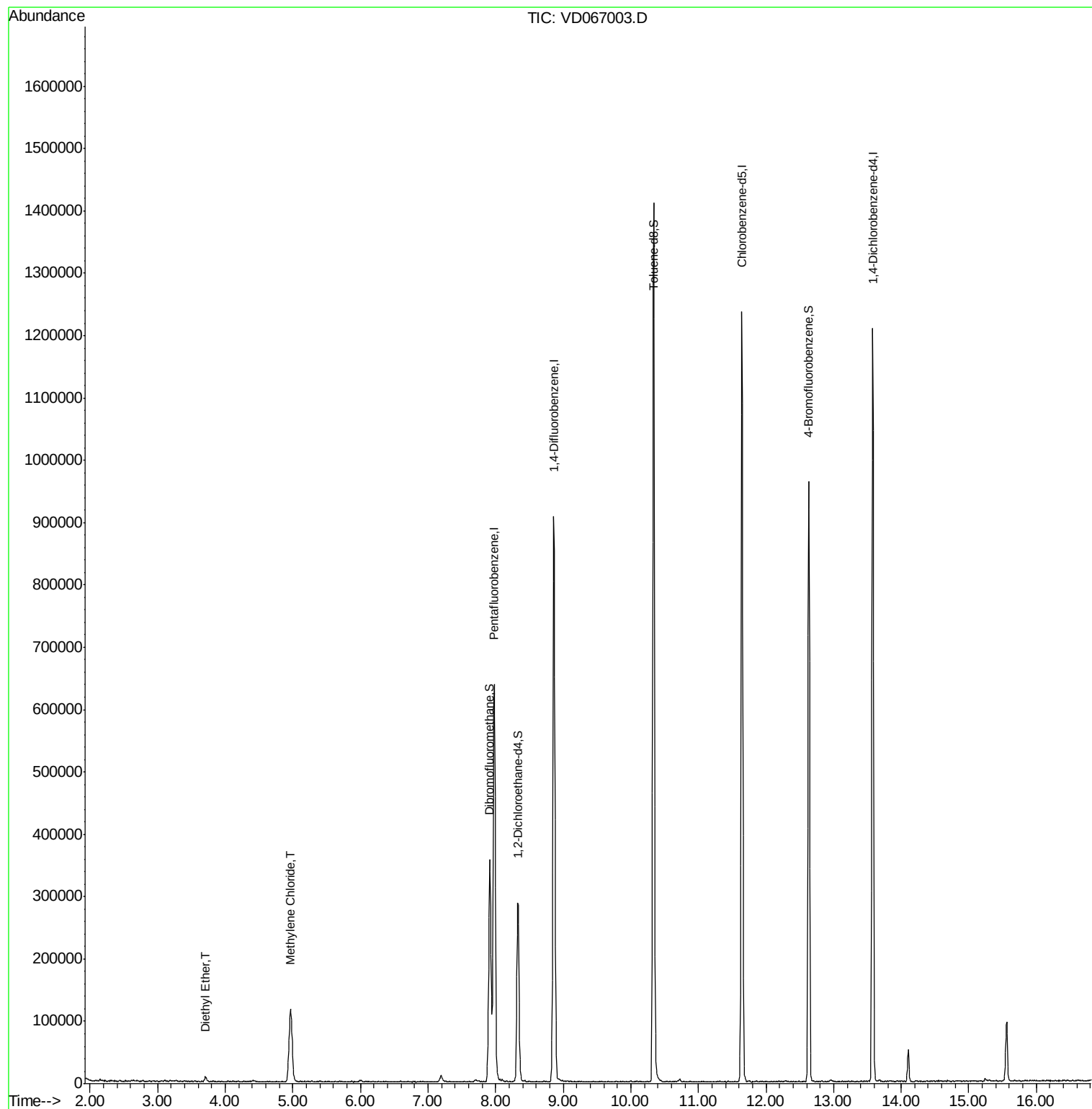
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	477140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	805176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	742356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330232	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	236752	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
35) Dibromofluoromethane	7.91	113	258575	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
50) Toluene-d8	10.34	98	959703	49.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.63	95	306978	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
Target Compounds						
8) Diethyl Ether	3.70	74	3635	1.732	ug/l	96
20) Methylene Chloride	4.97	84	97112	14.315	ug/l	97

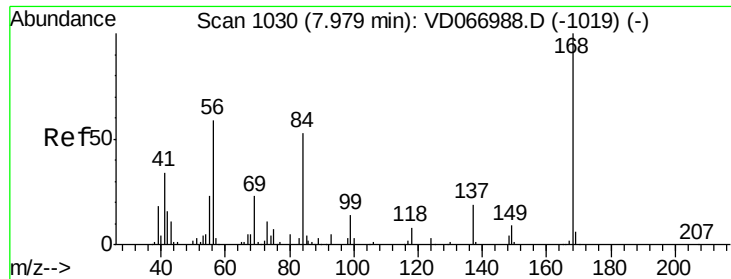
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067003.D

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Instrument :

MSVOA_D

ClientSampleId :

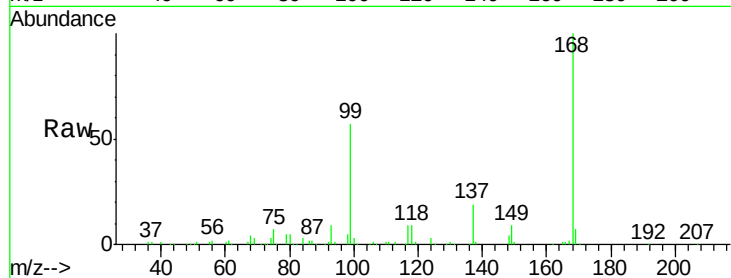
RO-25

Tot Ion:168 Resp: 477140

Ion Ratio Lower Upper

168 100

99 57.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

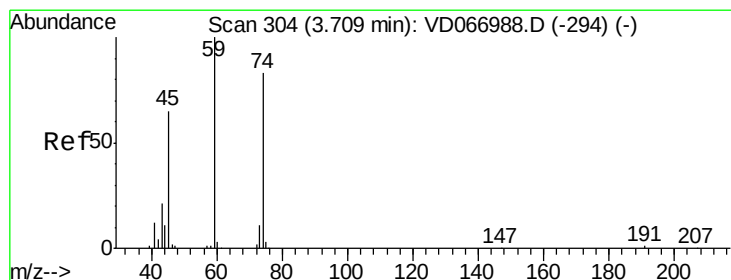
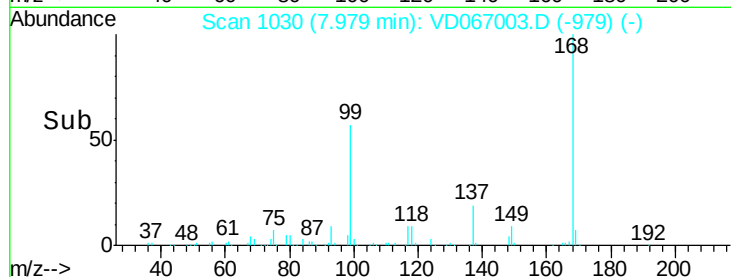
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.732 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067003.D

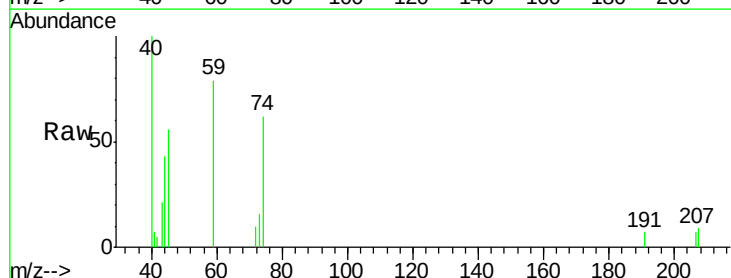
Acq: 01 Oct 2020 20:04

Tgt Ion: 74 Resp: 3635

Ion Ratio Lower Upper

74 100

45 89.7 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

2000

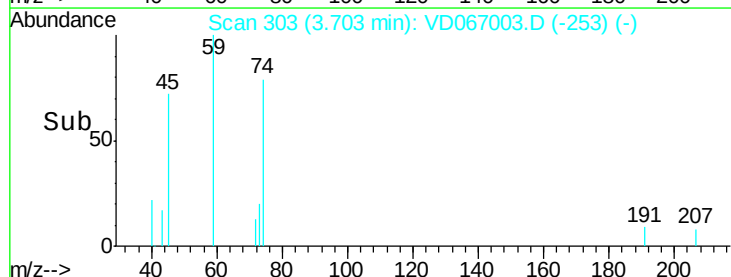
1500

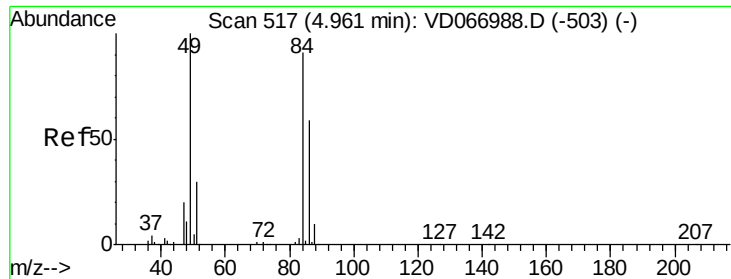
1000

500

0

Time-->

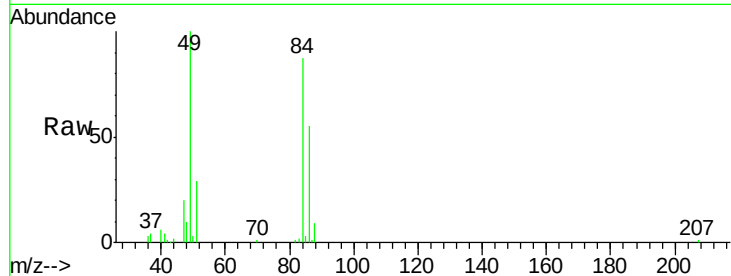




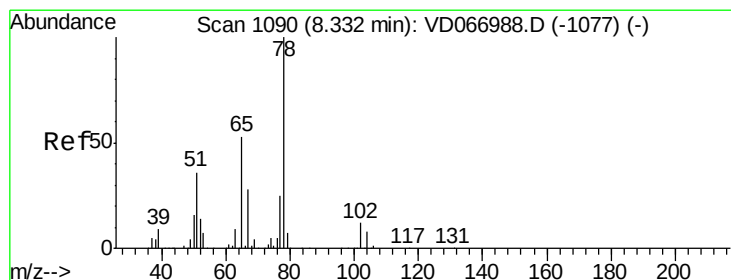
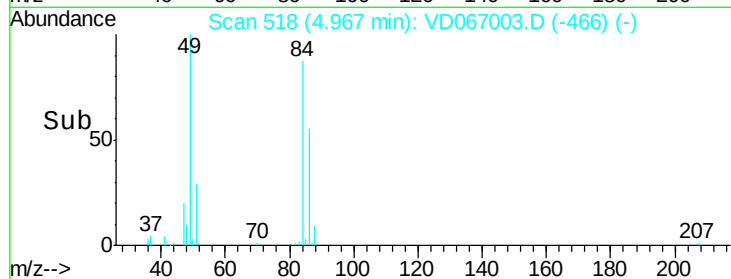
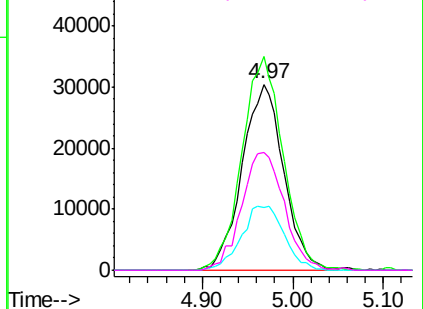
#20
Methylene Chloride
Concen: 14.315 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampleId :
RO-25

Tot Ion: 84 Resp: 97112
Ion Ratio Lower Upper
84 100
49 114.9 88.2 132.2
51 33.7 26.6 39.8
86 63.0 52.1 78.1

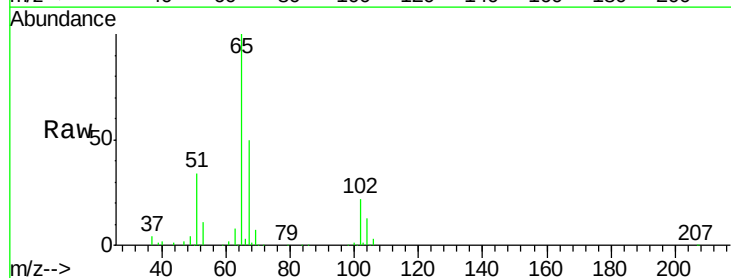


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

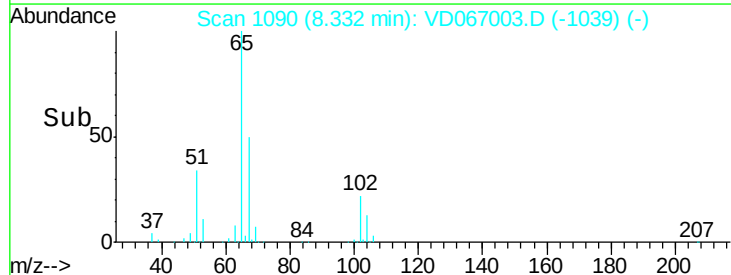
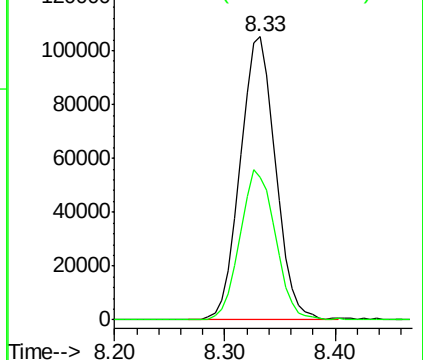


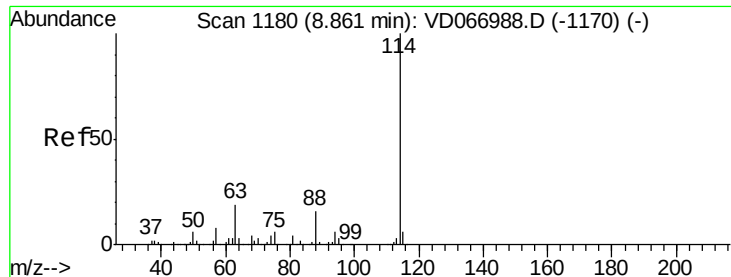
#33
1,2-Dichloroethane-d4
Concen: 51.515 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

Tgt Ion: 65 Resp: 236752
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067003.D

Acq: 01 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

RO-25

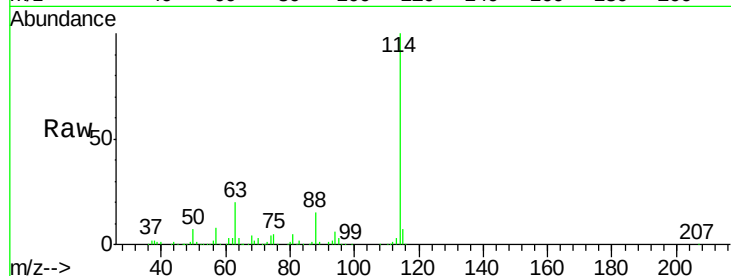
Tot Ion:114 Resp: 805176

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

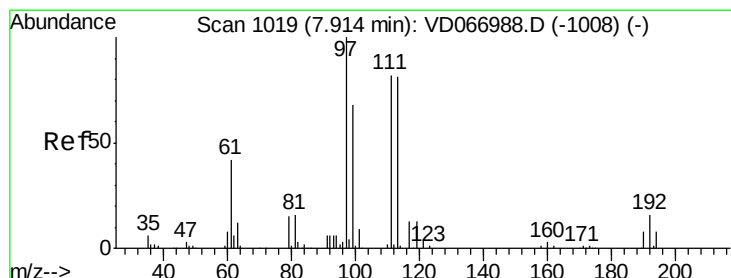
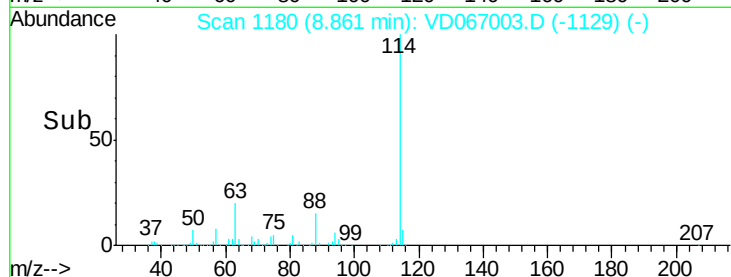
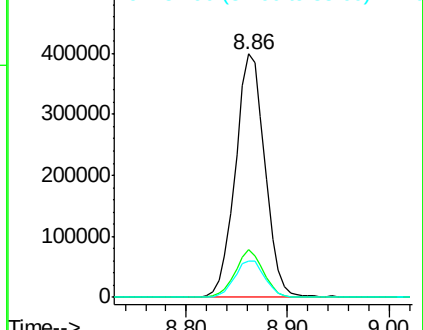
88 14.7 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.053 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067003.D

Acq: 01 Oct 2020 20:04

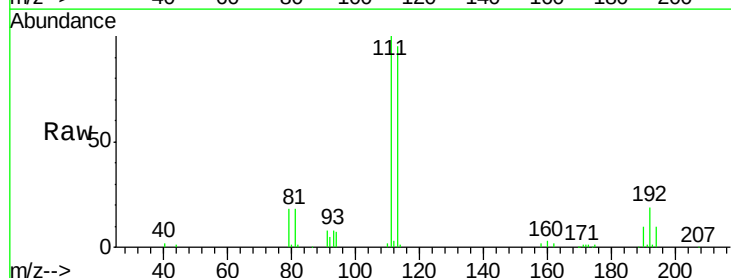
Tgt Ion:113 Resp: 258575

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

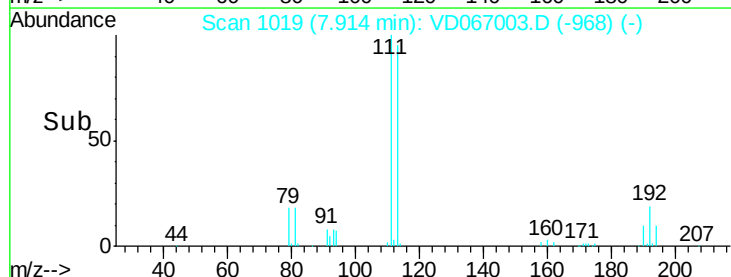
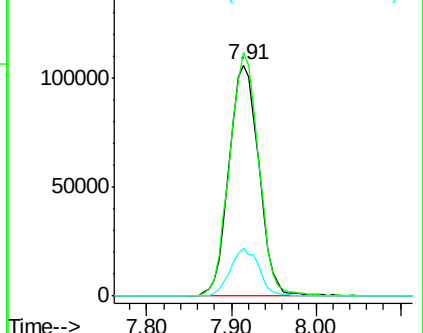
192 19.8 15.5 23.3

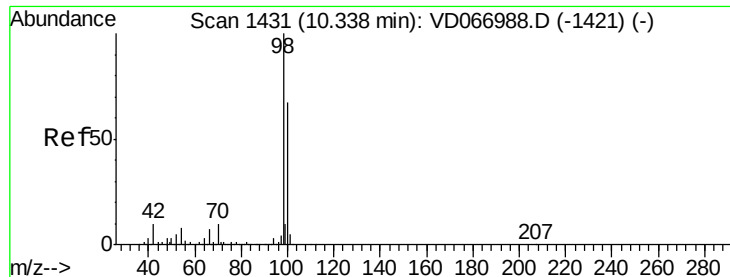


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

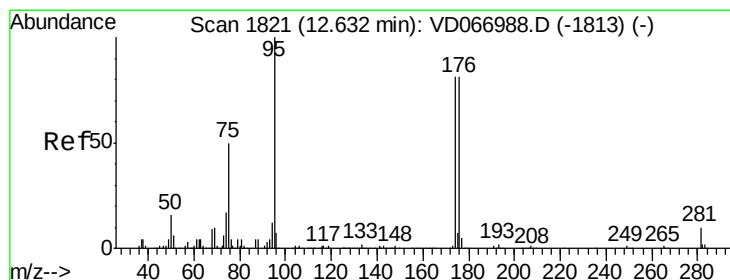
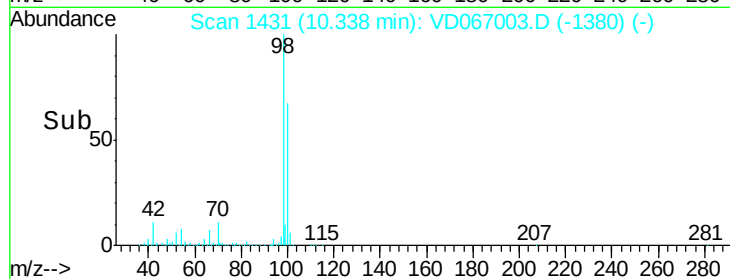
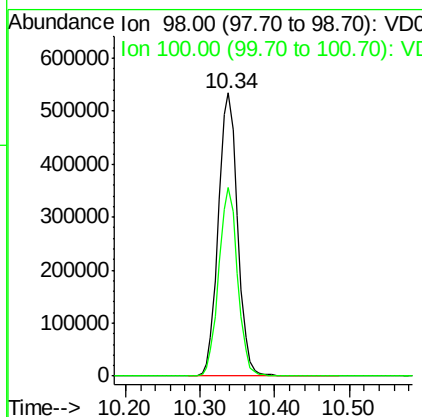
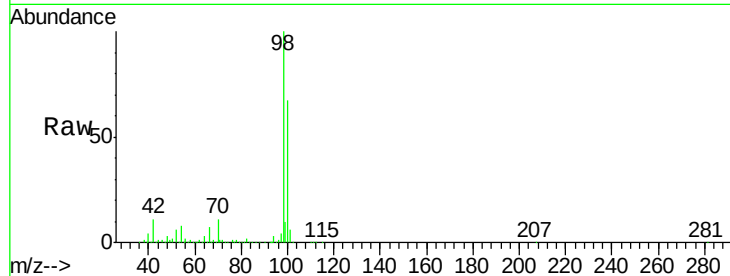




#50
Toluene-d8
Concen: 49.963 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

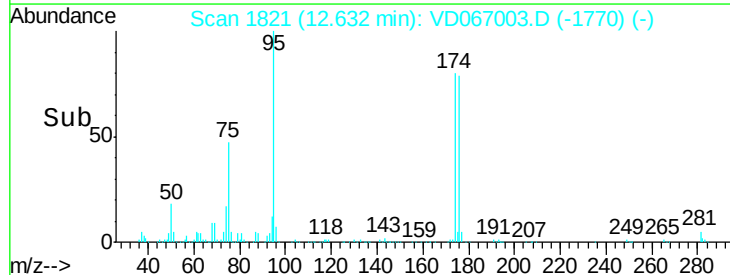
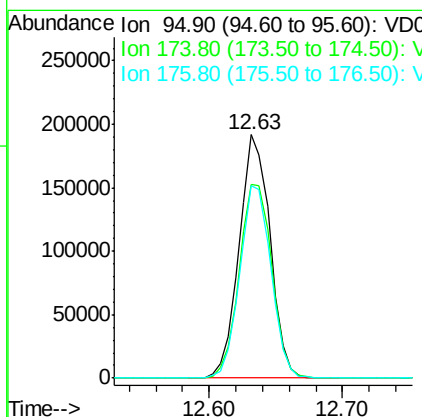
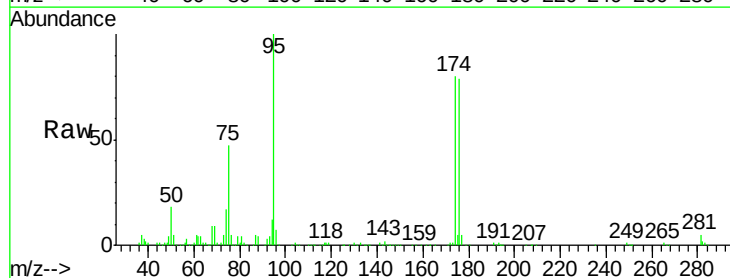
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MSVOA_D
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RO-25

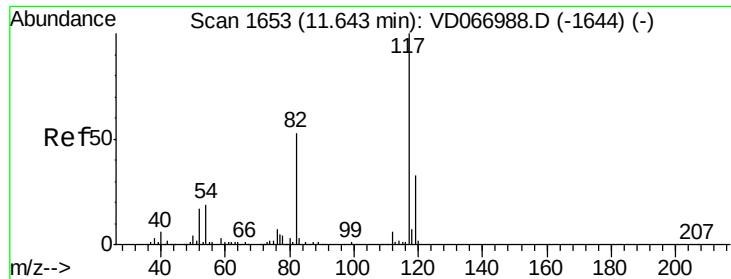
Tot Ion: 98 Resp: 959703
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.077 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

Tgt Ion: 95 Resp: 306978
Ion Ratio Lower Upper
95 100
174 83.8 0.0 167.6
176 79.8 0.0 162.4

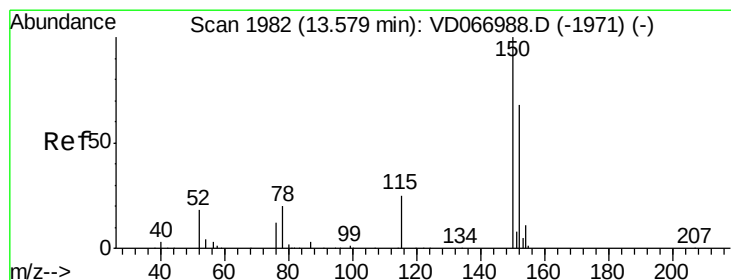
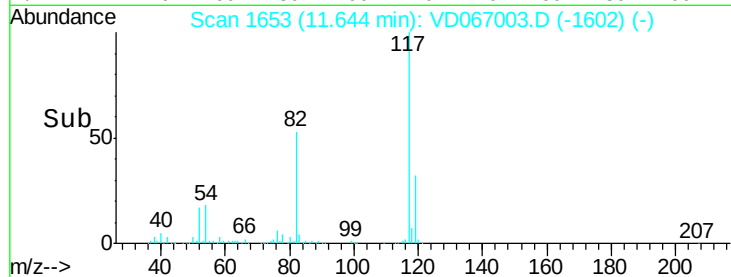
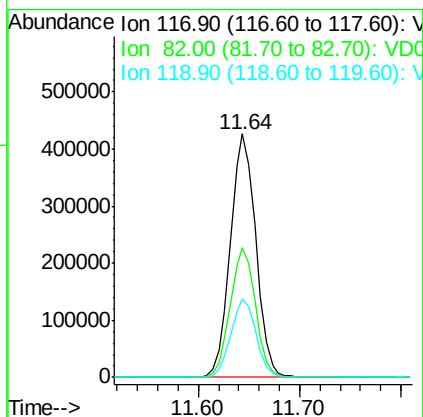
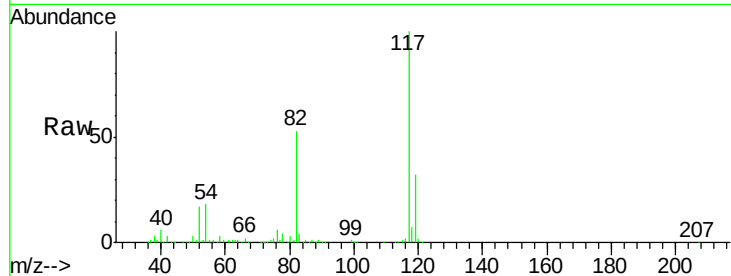




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

Instrument :
MSVOA_D
ClientSampled :
RO-25

Tot Ion:117 Resp: 742356
Ion Ratio Lower Upper
117 100
82 53.1 42.6 63.8
119 32.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

Tgt Ion:152 Resp: 330232
Ion Ratio Lower Upper
152 100
115 58.2 29.6 88.8
150 155.1 0.0 344.8

