

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067002.D
 Acq On : 01 Oct 2020 19:37
 Operator : VA/SY
 Sample : L4198-04
 Misc : 6.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-21

Quant Time: Oct 02 01:16:59 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

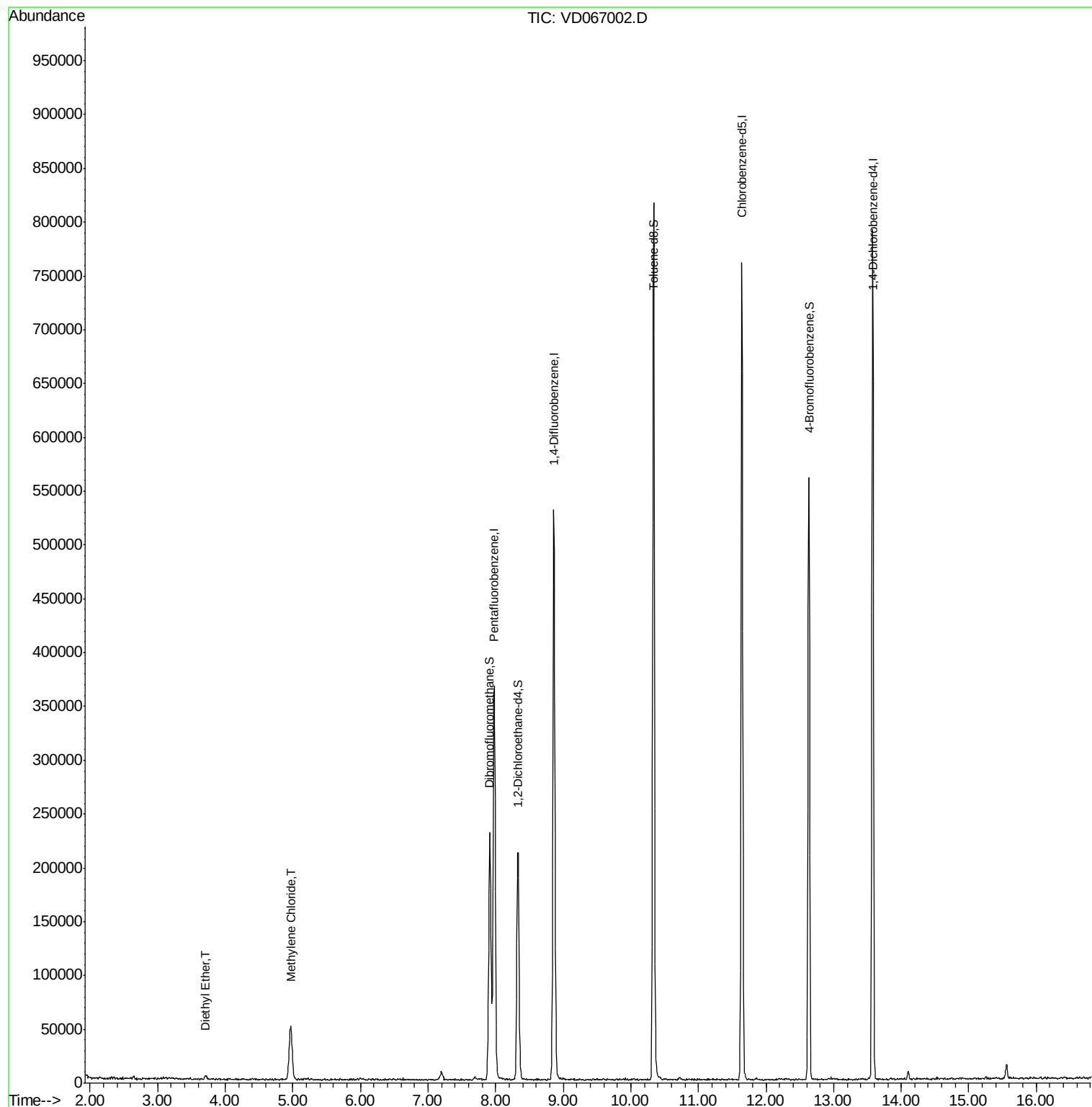
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	272911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	465889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	454285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212027	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	177363	67.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.94%	
35) Dibromofluoromethane	7.91	113	163312	53.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.08%	
50) Toluene-d8	10.34	98	552632	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.63	95	188902	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
Target Compounds						
8) Diethyl Ether	3.70	74	2012	1.676	ug/l	100
20) Methylene Chloride	4.97	84	40525	8.142	ug/l	95

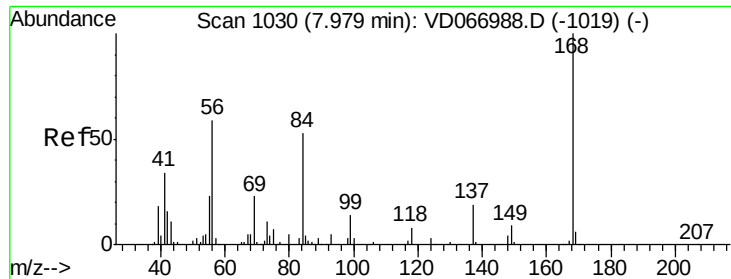
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067002.D

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Instrument :

MSVOA_D

ClientSampleId :

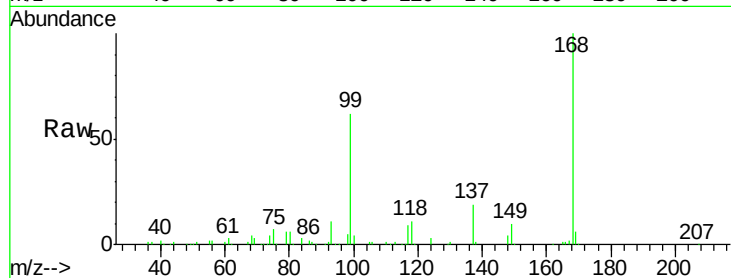
RO-21

Tot Ion:168 Resp: 272911

Ion Ratio Lower Upper

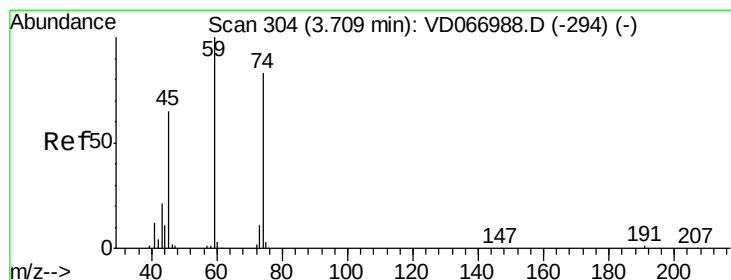
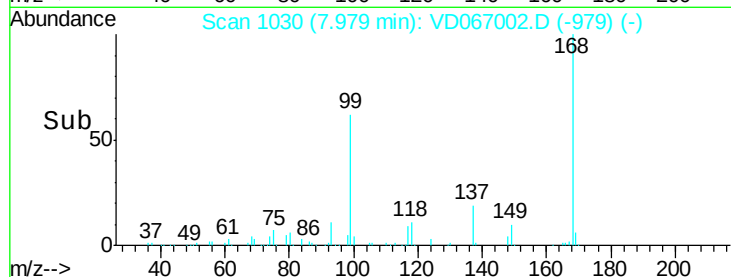
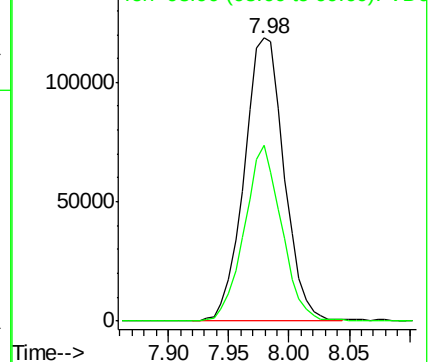
168 100

99 62.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.676 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067002.D

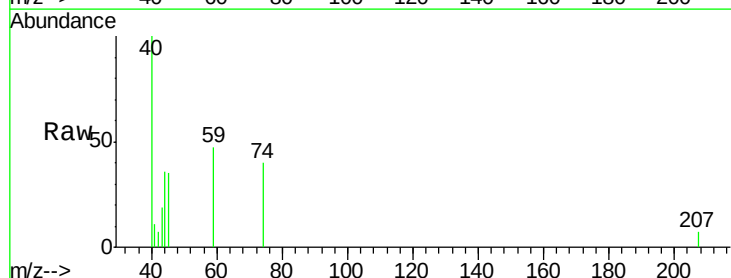
Acq: 01 Oct 2020 19:37

Tgt Ion: 74 Resp: 2012

Ion Ratio Lower Upper

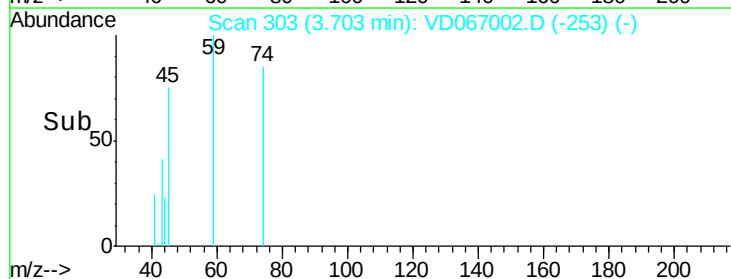
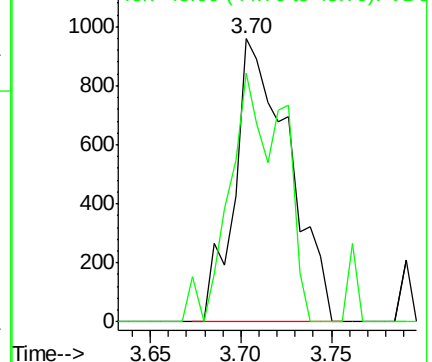
74 100

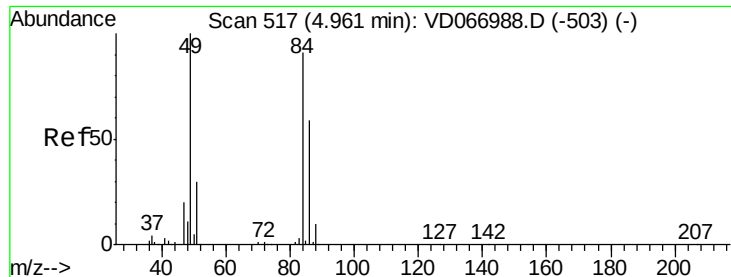
45 86.3 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

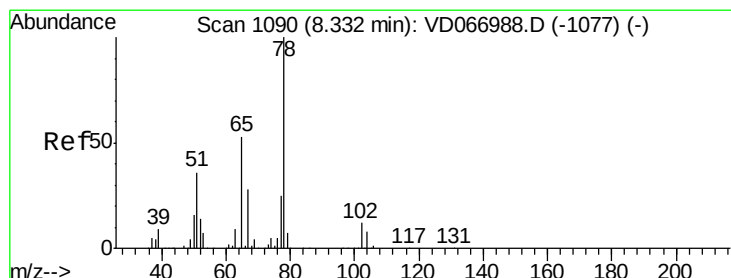
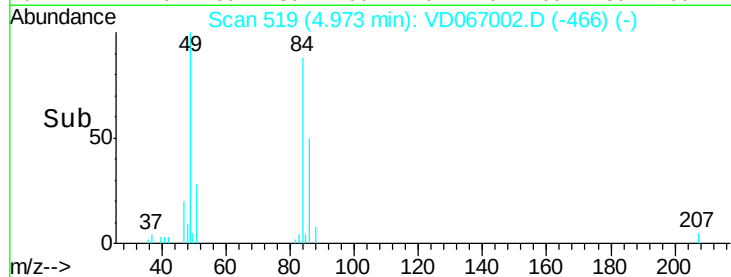
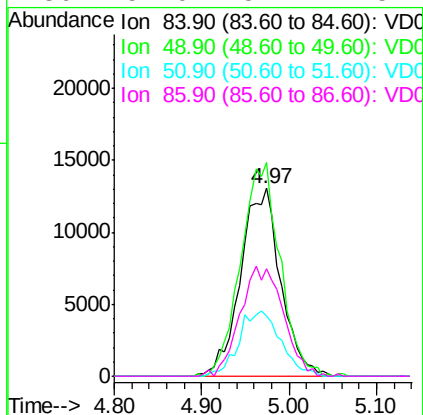
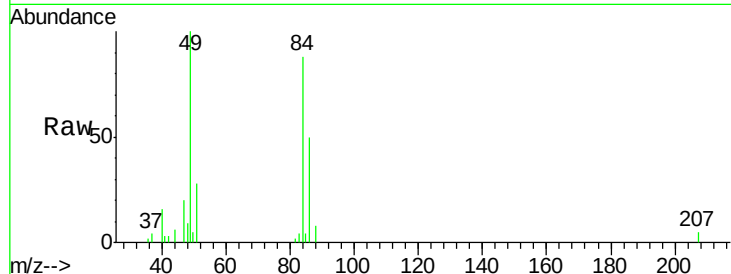




#20
Methylene Chloride
Concen: 8.142 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067002.D
Acq: 01 Oct 2020 19:37

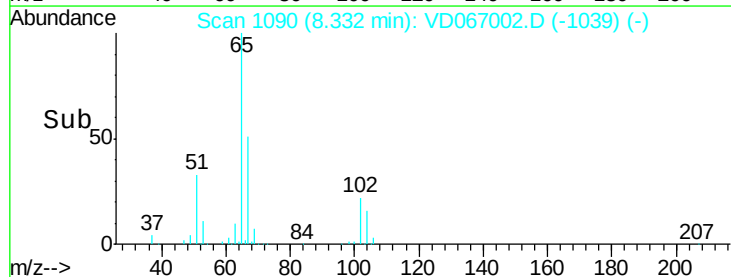
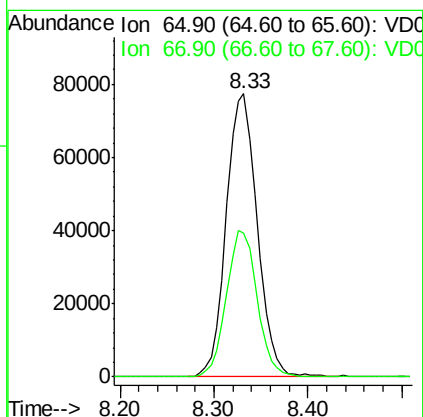
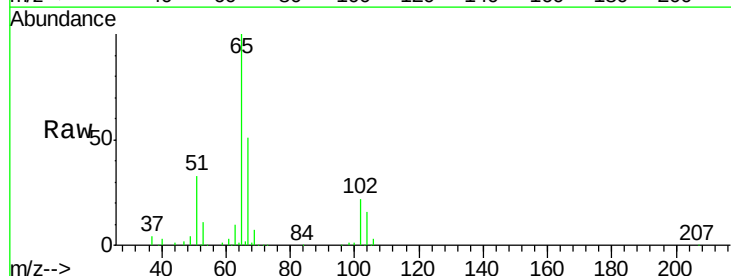
Instrument :
MSVOA_D
ClientSampleId :
RO-21

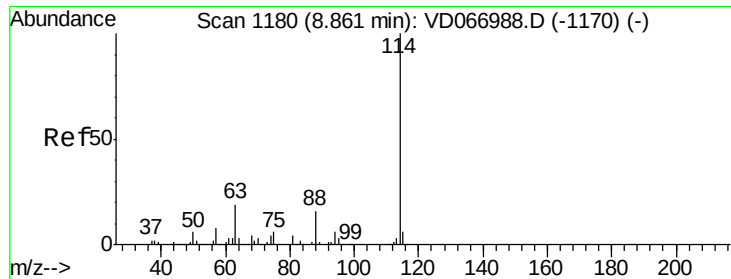
Tot Ion: 84 Resp: 40525
Ion Ratio Lower Upper
84 100
49 113.7 88.2 132.2
51 31.7 26.6 39.8
86 57.0 52.1 78.1



#33
1,2-Dichloroethane-d4
Concen: 67.473 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067002.D
Acq: 01 Oct 2020 19:37

Tgt Ion: 65 Resp: 177363
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.8

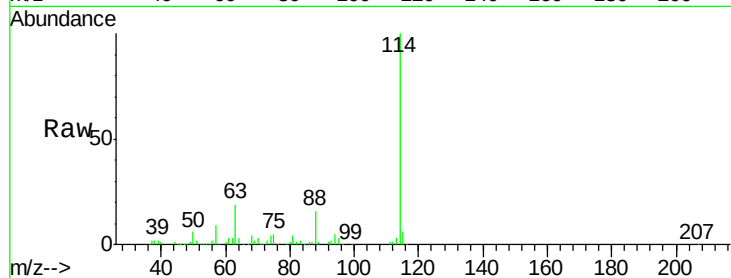




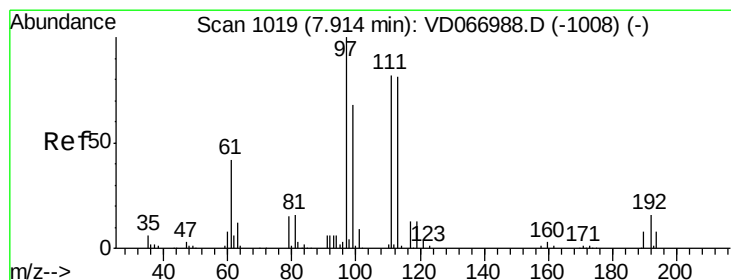
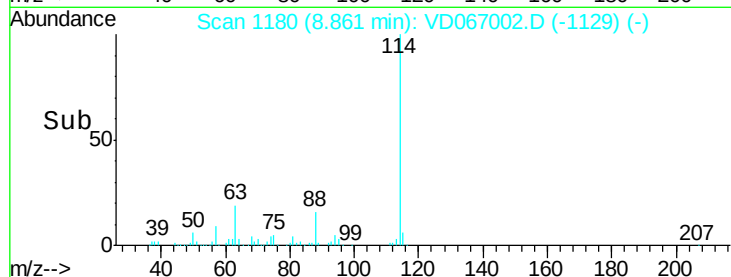
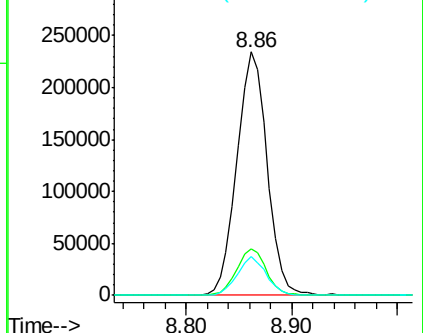
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067002.D
 Acq: 01 Oct 2020 19:37

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-21

Tot Ion:114 Resp: 465889
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.4
 88 15.8 0.0 31.2

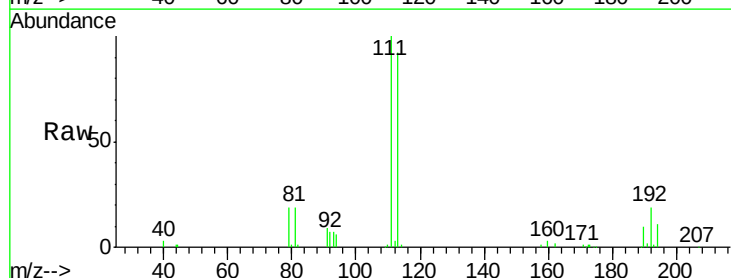


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

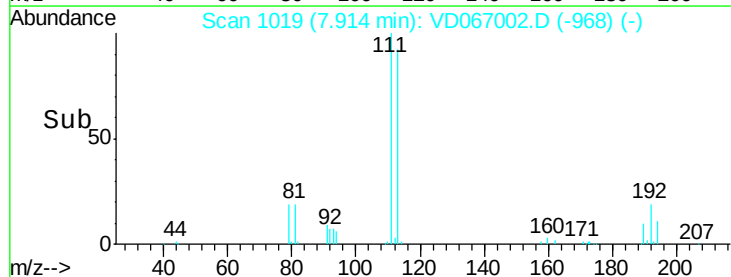
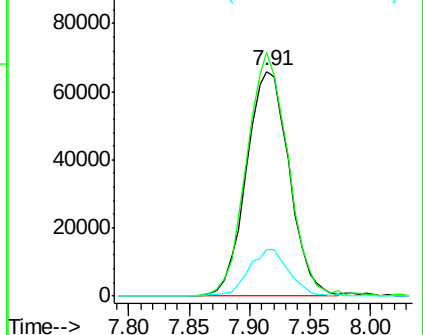


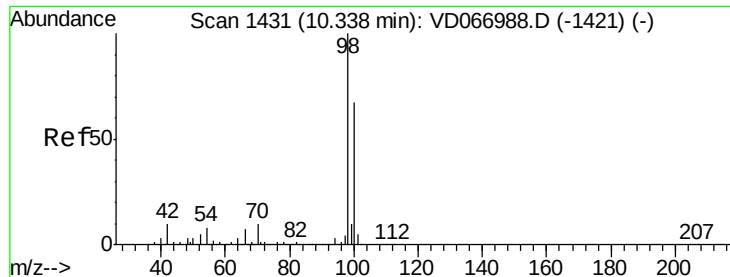
#35
 Dibromofluoromethane
 Concen: 53.543 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067002.D
 Acq: 01 Oct 2020 19:37

Tgt Ion:113 Resp: 163312
 Ion Ratio Lower Upper
 113 100
 111 105.3 83.0 124.4
 192 19.7 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

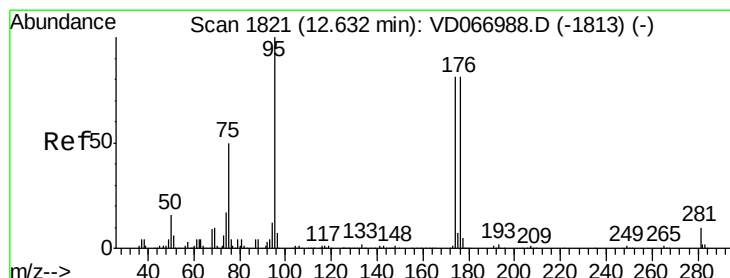
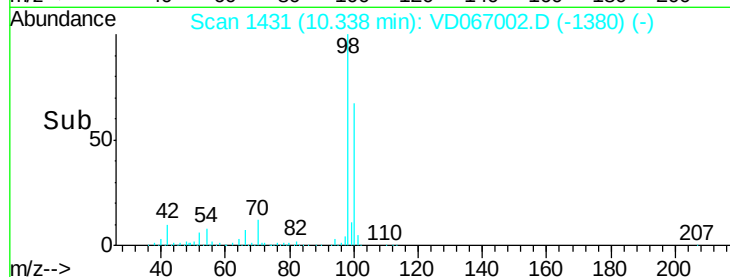
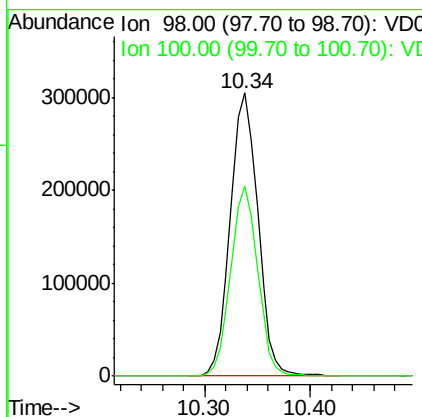
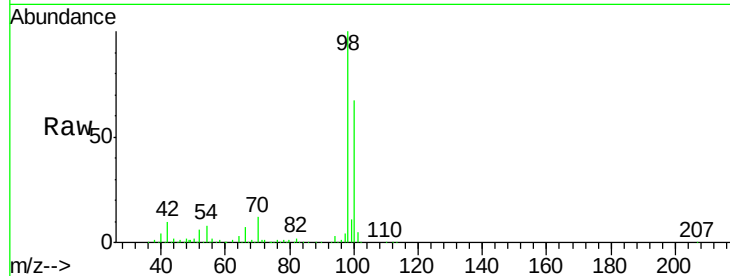




#50
Toluene-d8
Concen: 49.723 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067002.D
Acq: 01 Oct 2020 19:37

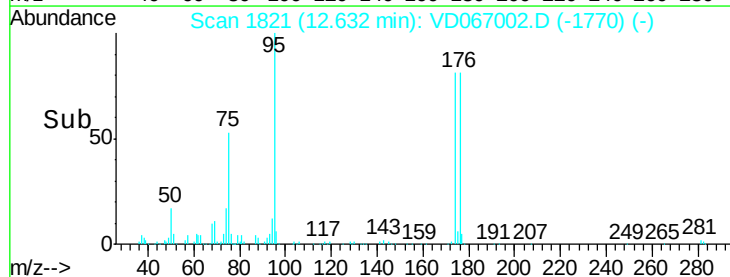
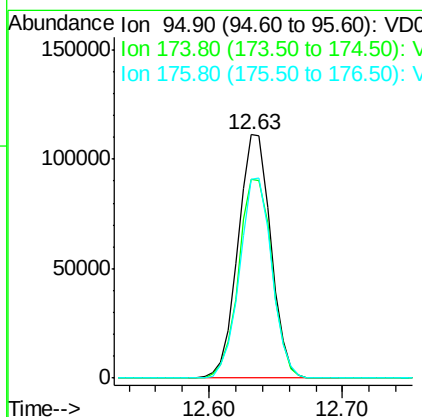
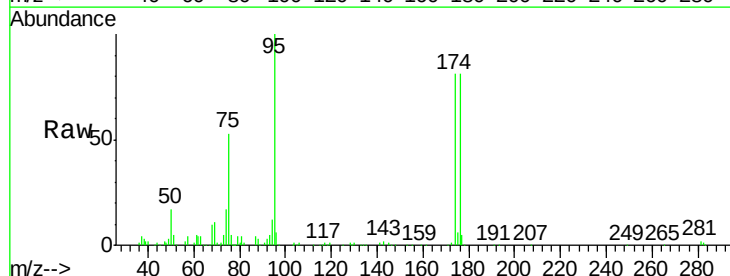
Instrument :
MSVOA_D
ClientSampleId :
RO-21

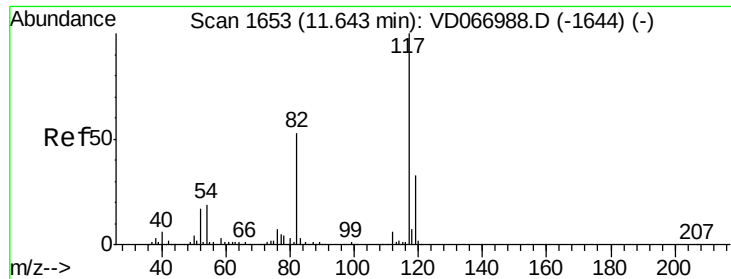
Tot Ion: 98 Resp: 552632
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 50.067 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067002.D
Acq: 01 Oct 2020 19:37

Tgt Ion: 95 Resp: 188902
Ion Ratio Lower Upper
95 100
174 82.8 0.0 167.6
176 80.6 0.0 162.4

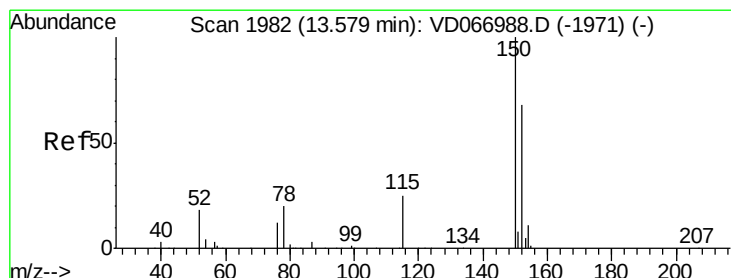
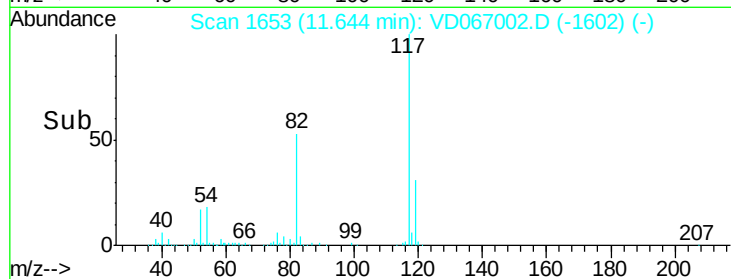
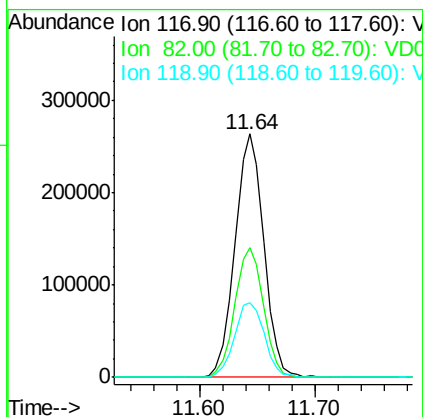
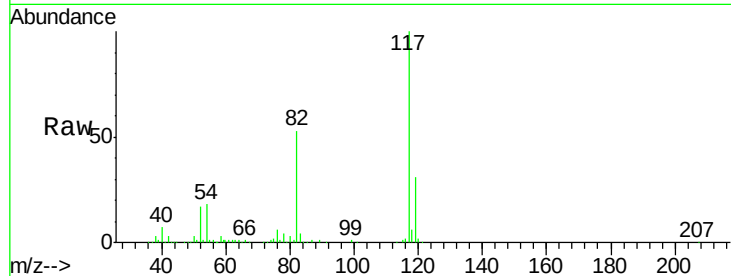




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067002.D
Acq: 01 Oct 2020 19:37

Instrument :
MSVOA_D
ClientSampleId :
RO-21

Tot Ion:117 Resp: 454285
Ion Ratio Lower Upper
117 100
82 53.4 42.6 63.8
119 30.7 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: VD067002.D
Acq: 01 Oct 2020 19:37

Tgt Ion:152 Resp: 212027
Ion Ratio Lower Upper
152 100
115 58.8 29.6 88.8
150 155.9 0.0 344.8

