

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067871.D
 Acq On : 03 Dec 2020 16:44
 Operator : VA/SY
 Sample : L4933-02
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Dec 04 01:43:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	245052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	335202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	302191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141624	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	113217	43.04	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.08%
35) Dibromofluoromethane	7.92	113	99337	44.29	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.58%
50) Toluene-d8	10.34	98	384133	47.57	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.14%
62) 4-Bromofluorobenzene	12.64	95	120252	43.08	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.16%

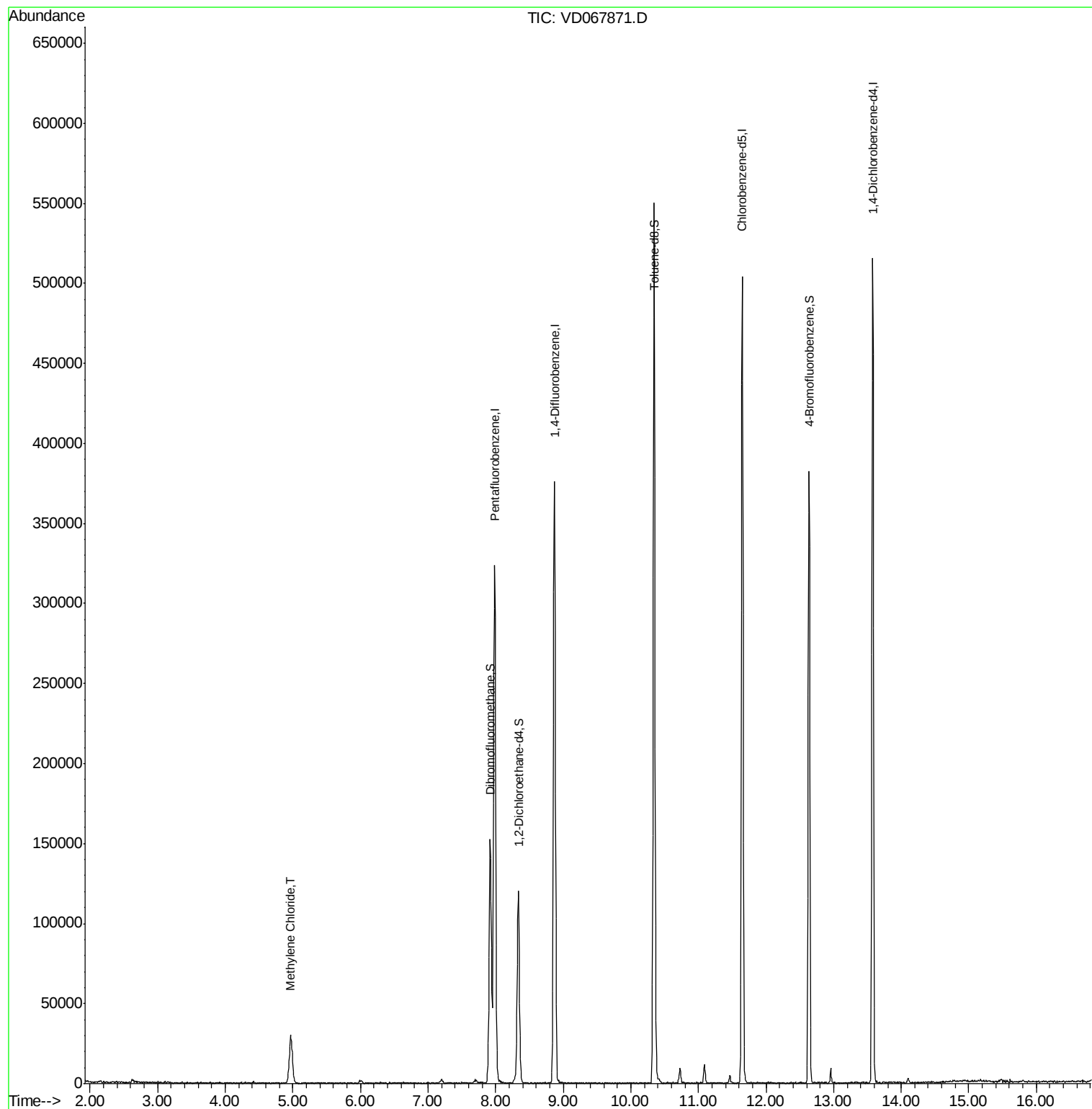
Target Compounds					Qvalue
20) Methylene Chloride	4.97	84	25534	8.736 ug/l	98

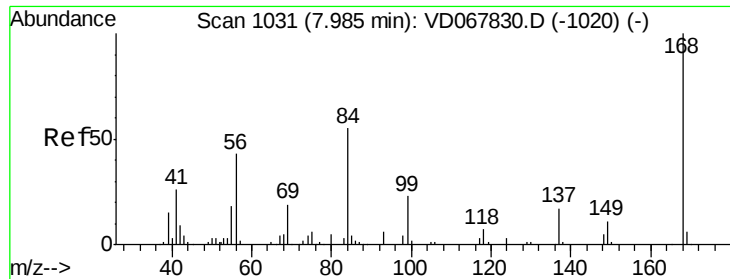
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067871.D

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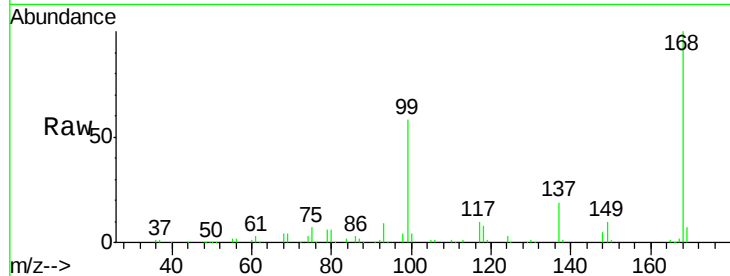
Instrument :
MSVOA_D
ClientSampleId :
VOC

Tot Ion:168 Resp: 245052

Ion Ratio Lower Upper

168 100

99 57.6 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

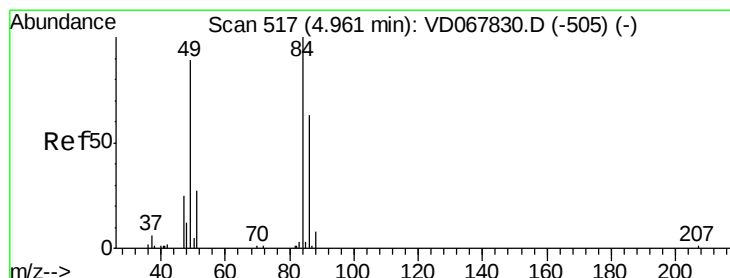
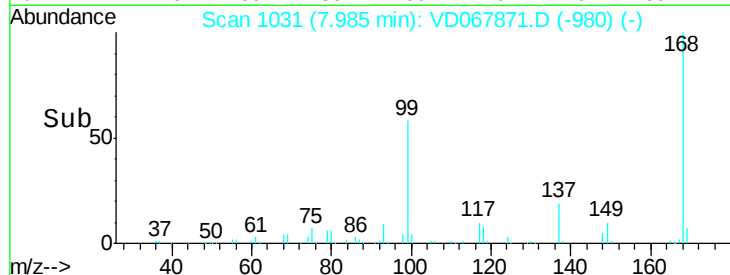
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#20

Methylene Chloride

Concen: 8.736 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067871.D

Acq: 03 Dec 2020 16:44

Tgt Ion: 84 Resp: 25534

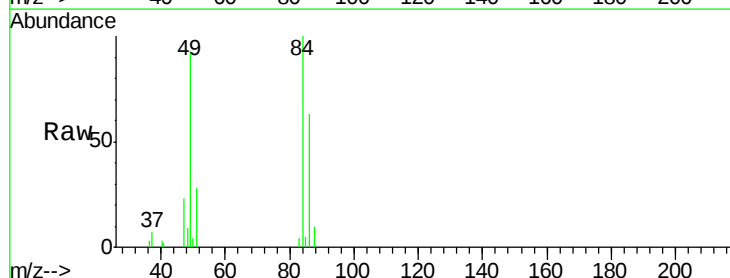
Ion Ratio Lower Upper

84 100

49 93.2 71.4 107.0

51 27.8 21.8 32.8

86 62.9 50.6 75.8



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

4.97

12000

10000

8000

6000

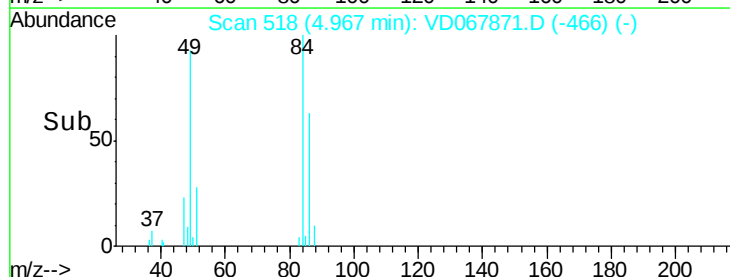
4000

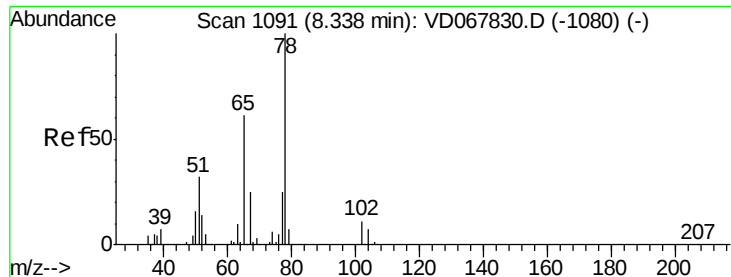
2000

0

Time-->

4.90 4.95 5.00





#33

1,2-Dichloroethane-d4

Concen: 43.036 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067871.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

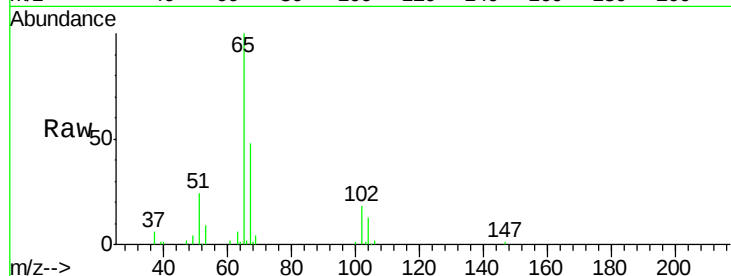
VOC

Tot Ion: 65 Resp: 113217

Ion Ratio Lower Upper

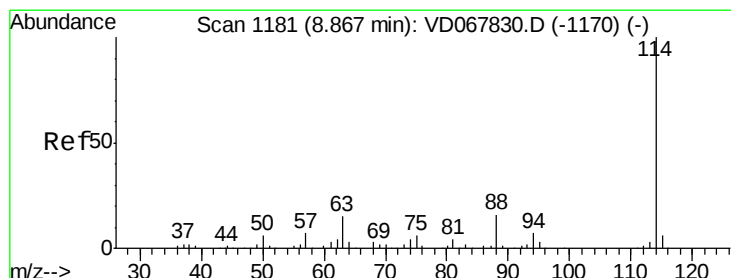
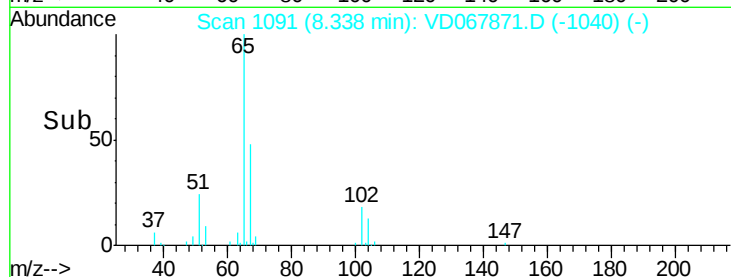
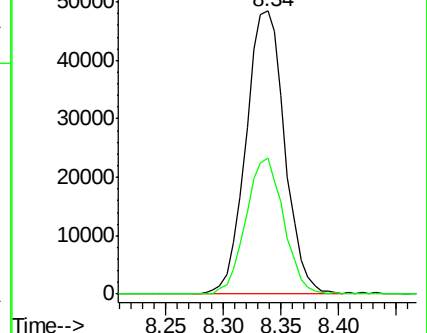
65 100

67 46.9 0.0 92.0



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: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067871.D

Acq: 03 Dec 2020 16:44

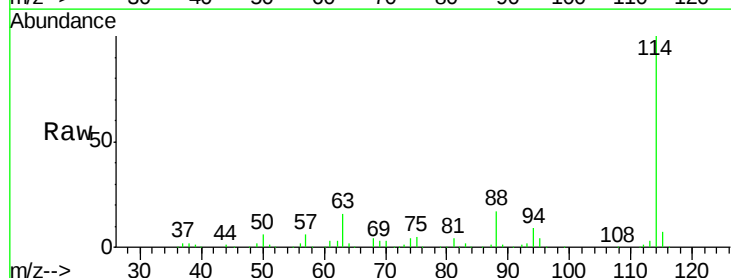
Tgt Ion: 114 Resp: 335202

Ion Ratio Lower Upper

114 100

63 16.5 0.0 30.8

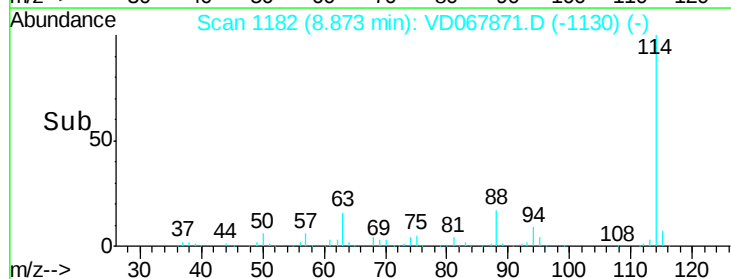
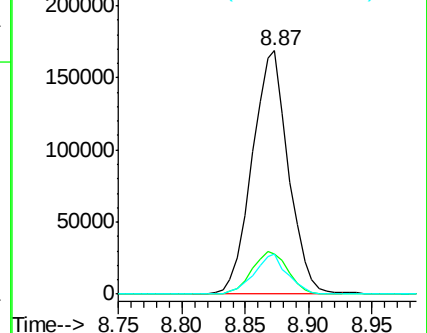
88 16.5 0.0 31.8

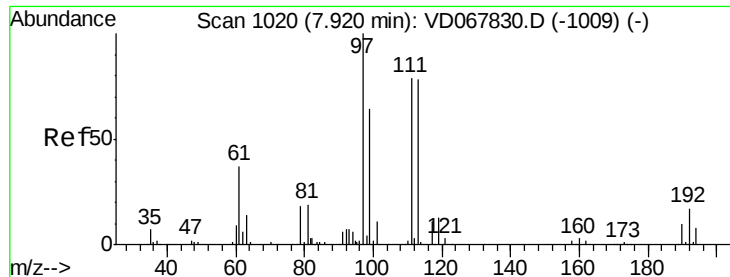


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

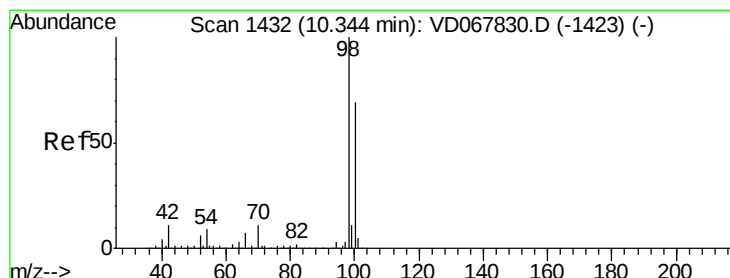
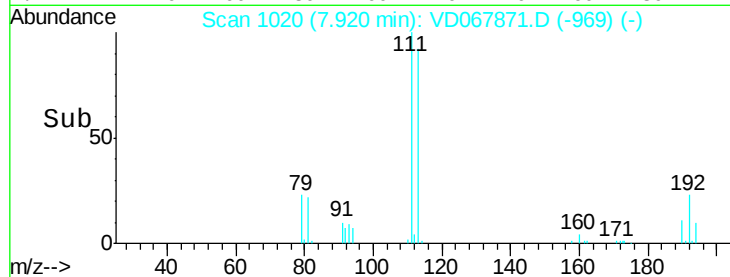
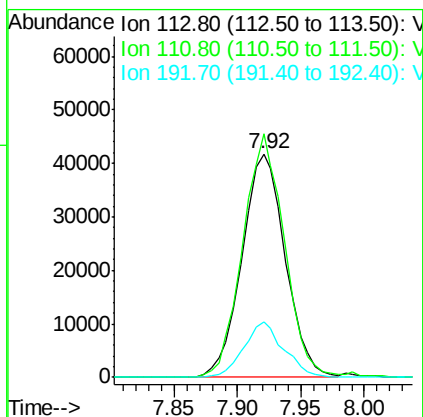
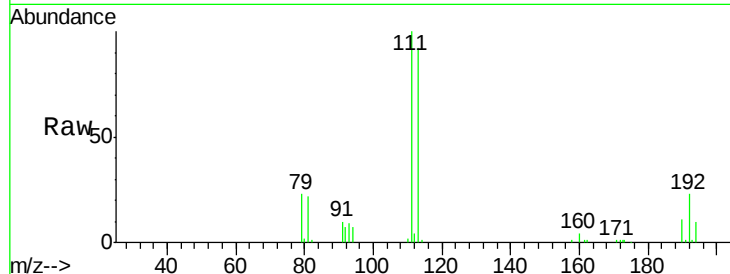




#35
 Dibromofluoromethane
 Concen: 44.288 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067871.D
 Acq: 03 Dec 2020 16:44

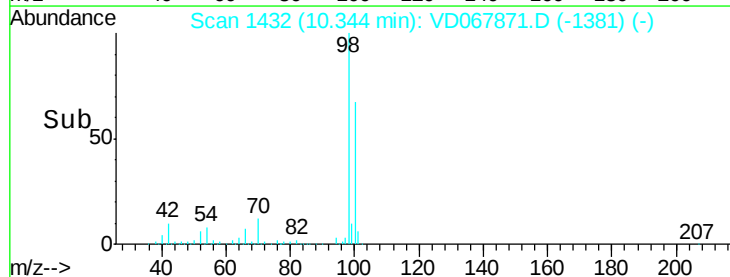
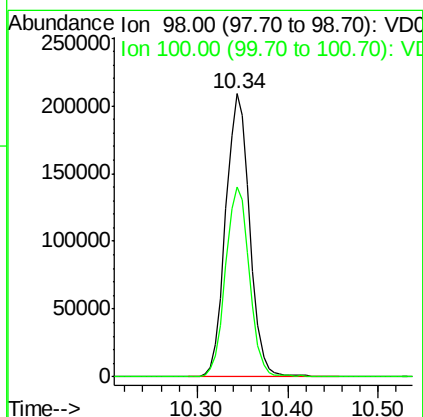
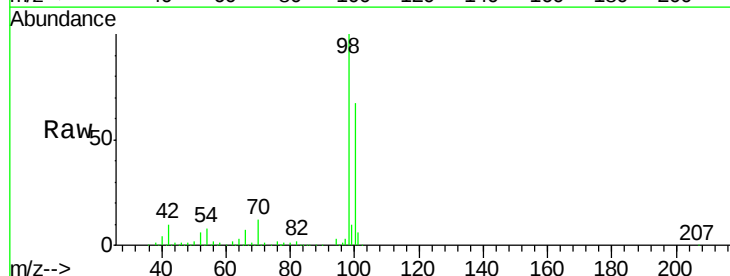
Instrument :
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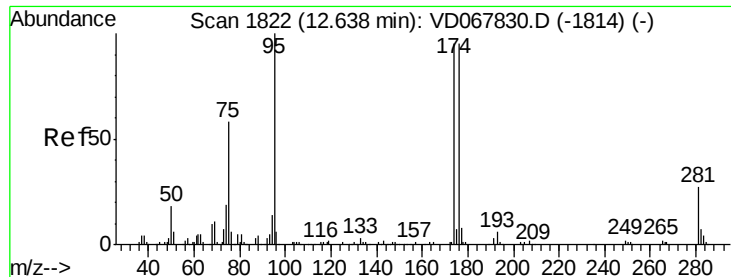
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.2	121.8
192	22.7	16.8	25.2



#50
 Toluene-d8
 Concen: 47.575 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067871.D
 Acq: 03 Dec 2020 16:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.9	79.3

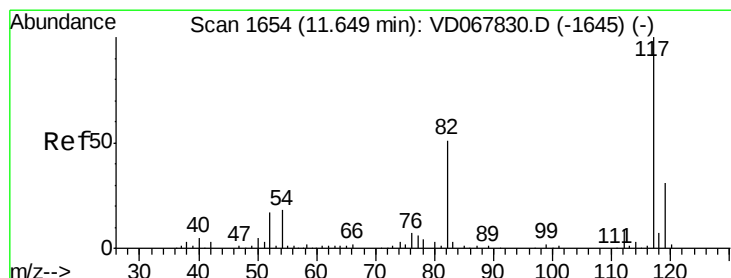
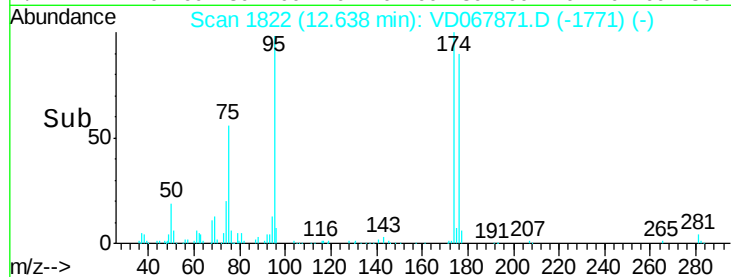
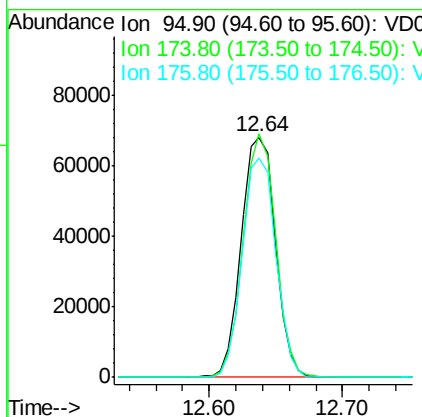
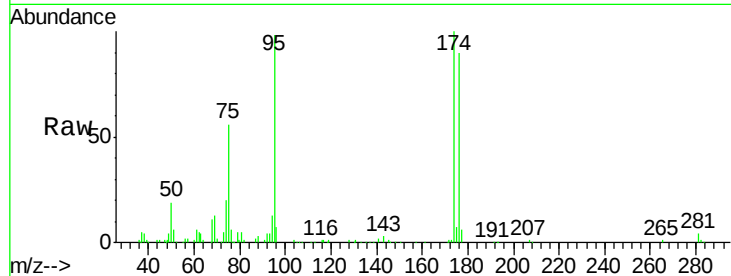




#62
4-Bromofluorobenzene
Concen: 43.078 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067871.D
Acq: 03 Dec 2020 16:44

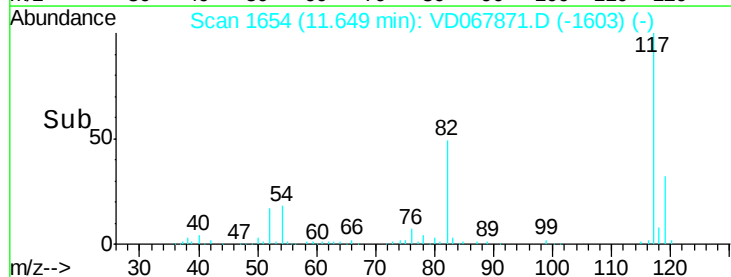
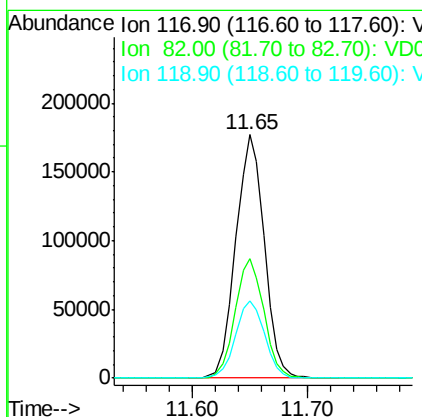
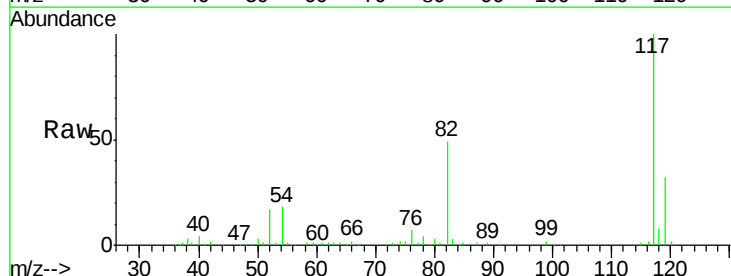
Instrument :
MSVOA_D
ClientSampleId :
VOC

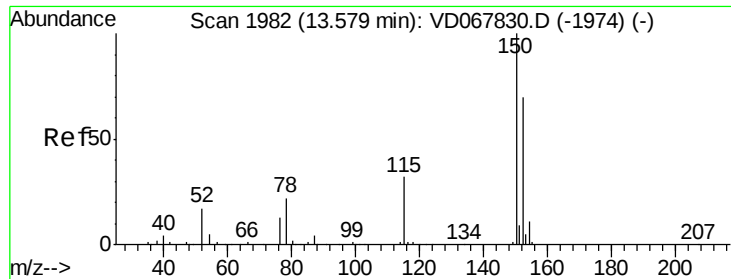
Tot Ion: 95 Resp: 120252
Ion Ratio Lower Upper
95 100
174 96.3 0.0 186.0
176 89.9 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067871.D
Acq: 03 Dec 2020 16:44

Tgt Ion: 117 Resp: 302191
Ion Ratio Lower Upper
117 100
82 48.8 40.6 60.8
119 31.9 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067871.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_D

ClientSampleId :

VOC

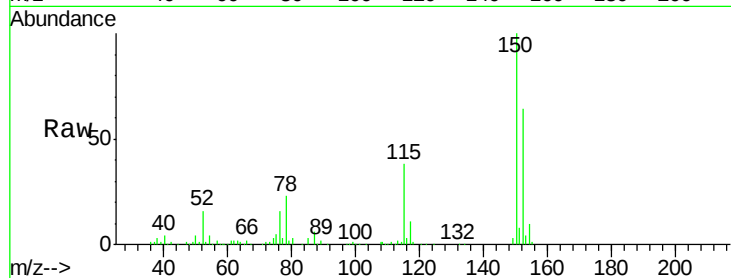
Tot Ion:152 Resp: 141624

Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.4

150 159.5 0.0 339.0



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

