

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112420\
 Data File : VD067766.D
 Acq On : 24 Nov 2020 13:52
 Operator : VA/SY
 Sample : L4840-02
 Misc : 4.26G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30740

Quant Time: Nov 25 02:55:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	238738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	372324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	422433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	113908	49.07	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.14%
35) Dibromofluoromethane	7.92	113	117579	49.62	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.24%
50) Toluene-d8	10.34	98	444044	51.26	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.52%
62) 4-Bromofluorobenzene	12.64	95	200463	67.70	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	135.40%

Target Compounds

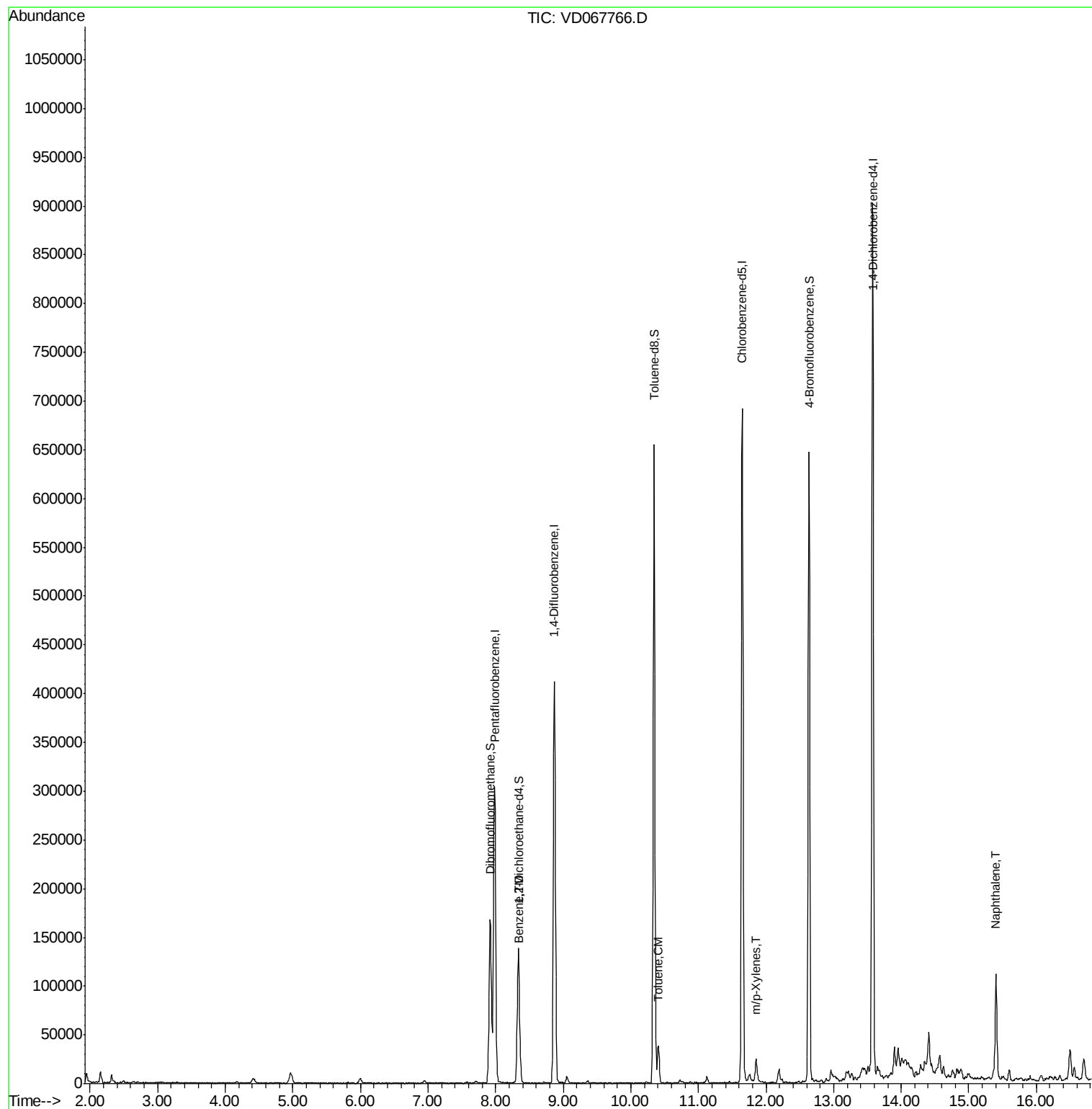
					Qvalue
40) Benzene	8.36	78	18946	2.159	ug/l 94
52) Toluene	10.40	92	16441	2.762	ug/l 95
68) m/p-Xylenes	11.86	106	7129	1.278	ug/l 99
95) Naphthalene	15.40	128	100581	13.239	ug/l 98

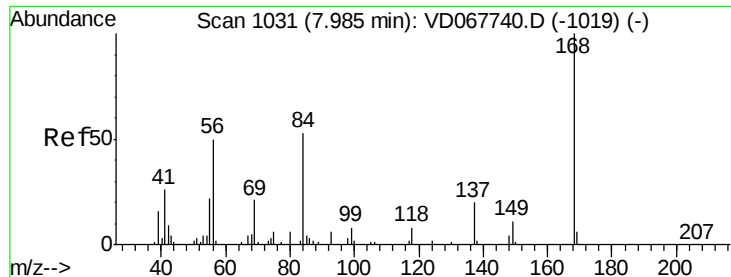
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067766.D

Acq: 24 Nov 2020 13:52

Instrument :

MSVOA_D

ClientSampled :

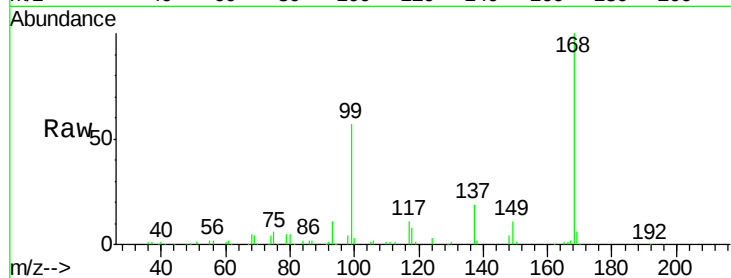
30740

Tot Ion:168 Resp: 238738

Ion Ratio Lower Upper

168 100

99 56.8 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

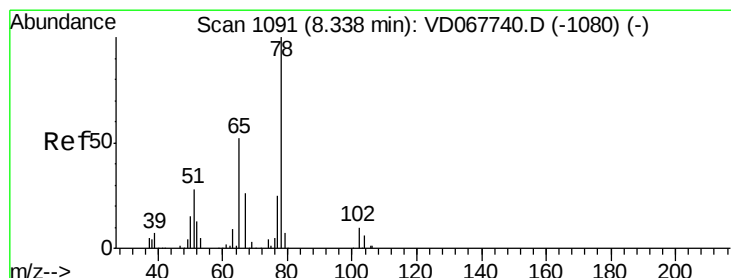
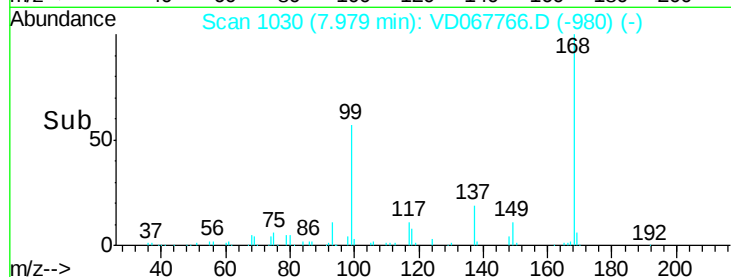
40000

20000

0

Time-->

7.90 8.00 8.10



#33

1,2-Dichloroethane-d4

Concen: 49.071 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067766.D

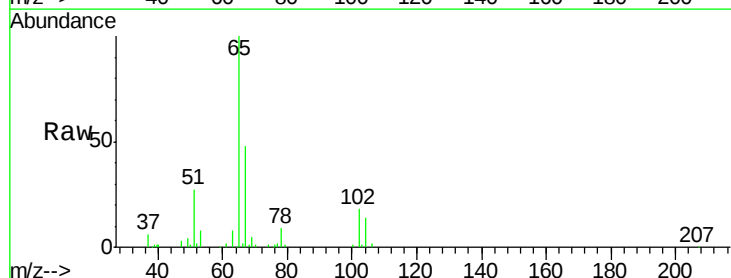
Acq: 24 Nov 2020 13:52

Tgt Ion: 65 Resp: 113908

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

60000

50000

40000

30000

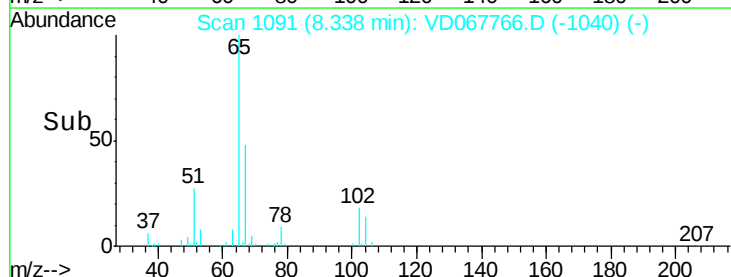
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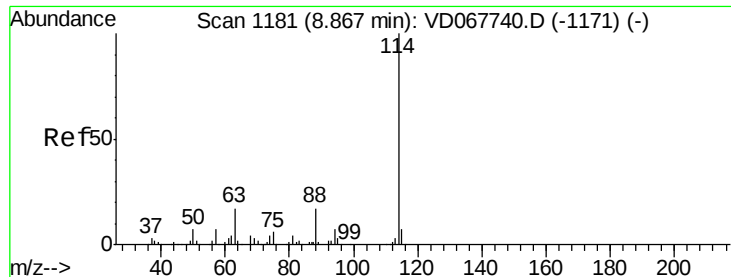
10000

0

Time-->

8.20 8.30 8.40

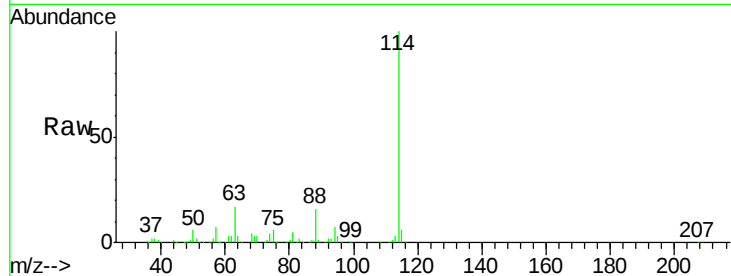




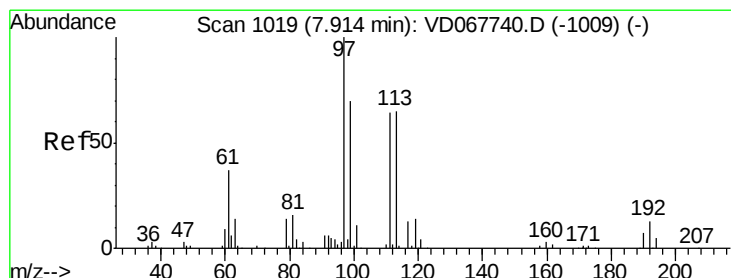
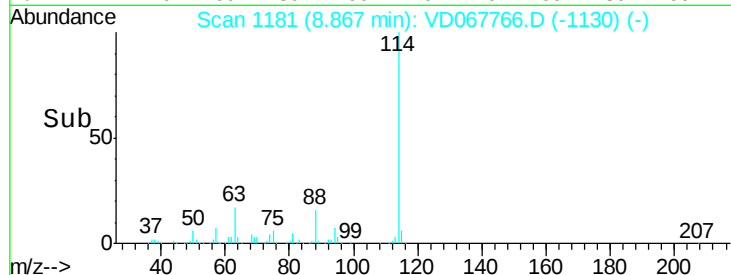
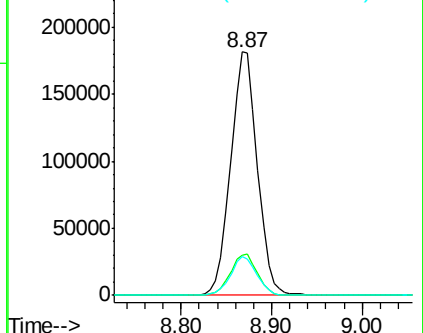
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067766.D
 Acq: 24 Nov 2020 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 30740

Tot Ion:114 Resp: 372324
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 34.8
 88 15.7 0.0 34.4

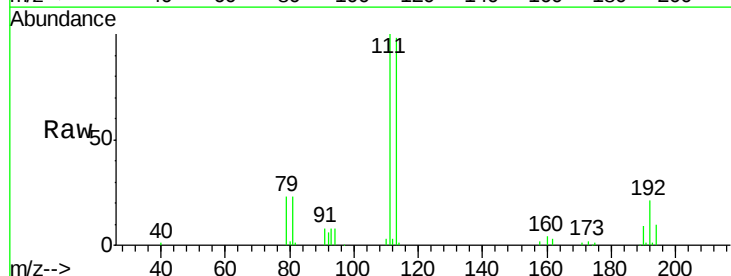


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

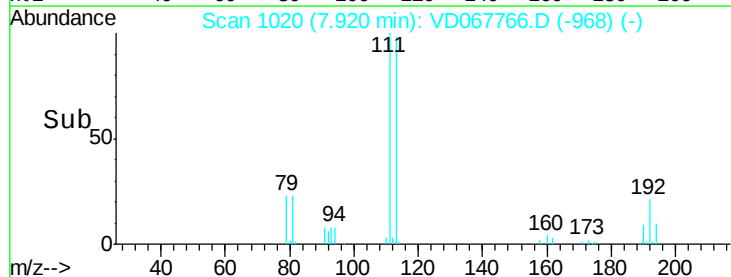
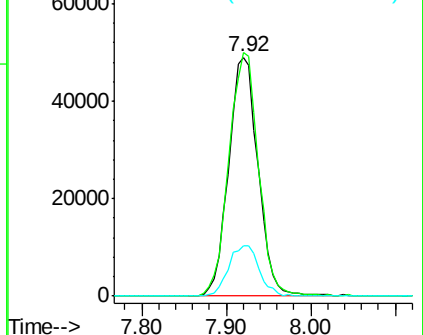


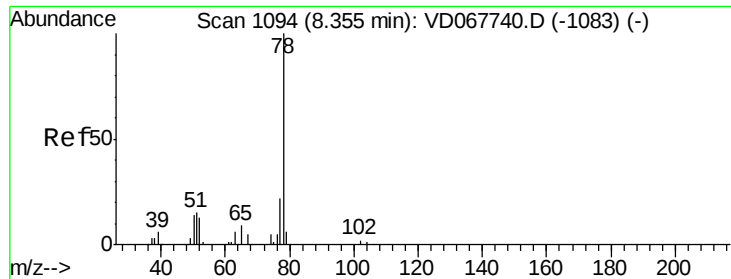
#35
 Dibromofluoromethane
 Concen: 49.623 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067766.D
 Acq: 24 Nov 2020 13:52

Tgt Ion:113 Resp: 117579
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 21.8 17.0 25.4



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





#40

Benzene

Concen: 2.159 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD067766.D

Acq: 24 Nov 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

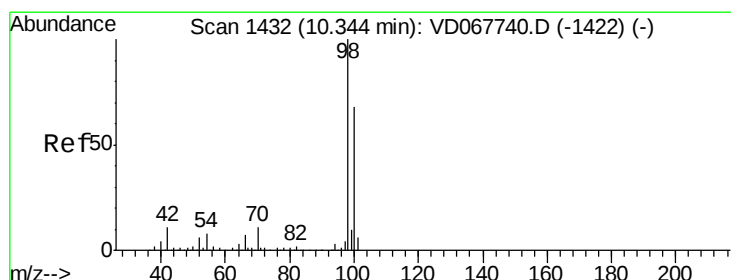
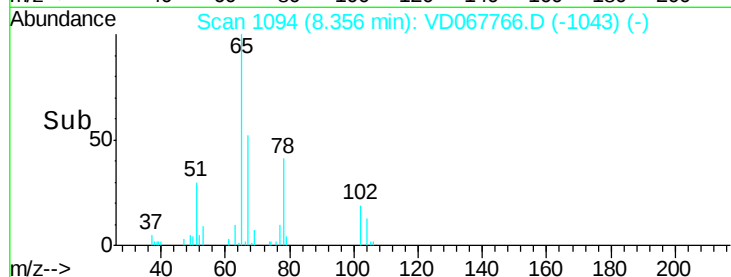
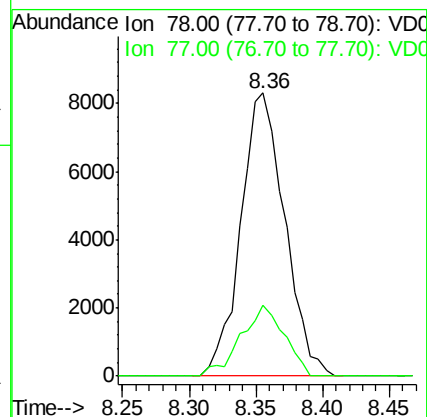
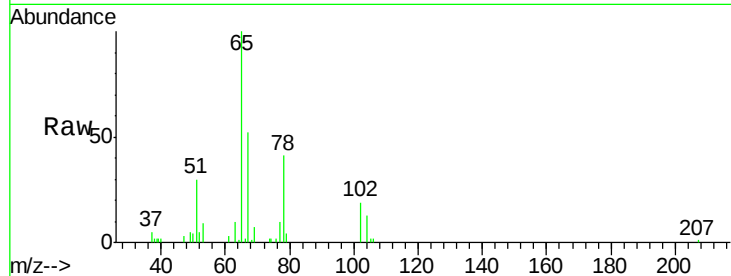
30740

Tot Ion: 78 Resp: 18946

Ion Ratio Lower Upper

78 100

77 25.2 17.8 26.6



#50

Toluene-d8

Concen: 51.258 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067766.D

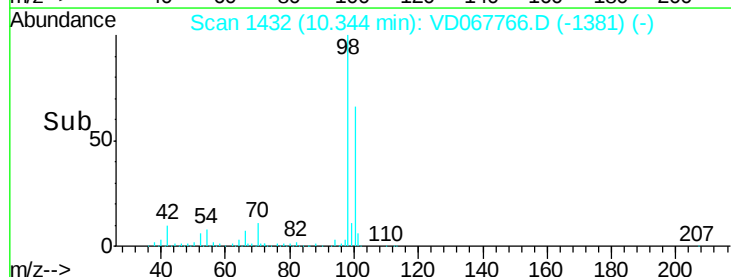
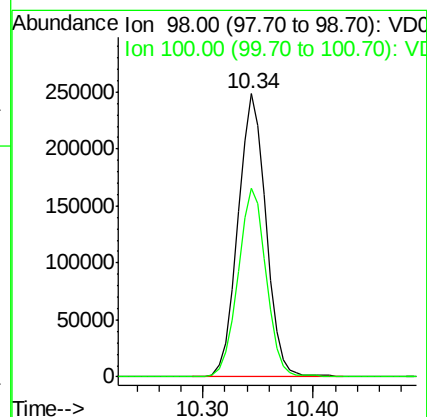
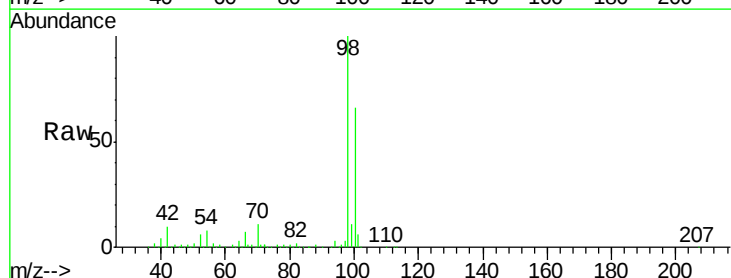
Acq: 24 Nov 2020 13:52

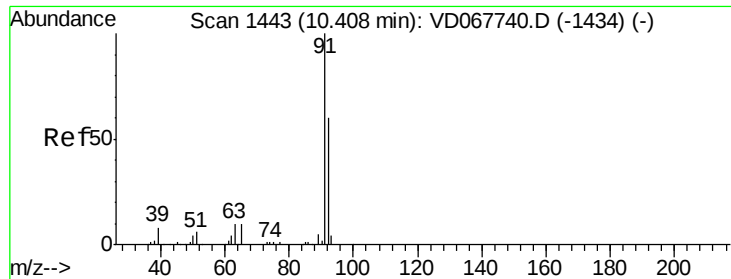
Tgt Ion: 98 Resp: 444044

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7





#52

Toluene

Concen: 2.762 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067766.D

Acq: 24 Nov 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

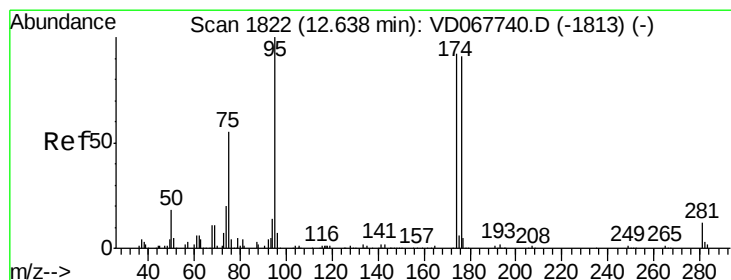
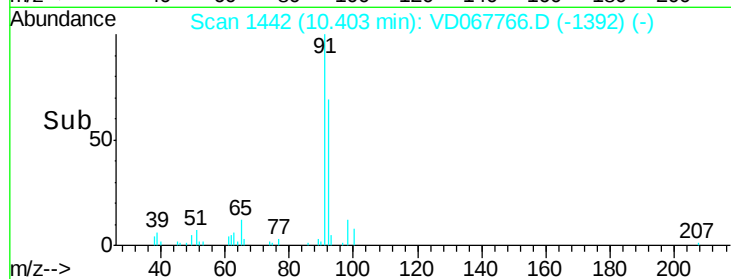
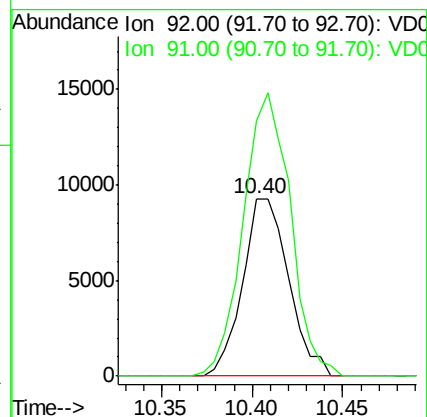
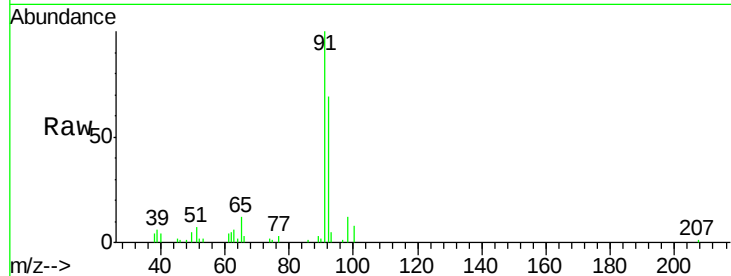
30740

Tot Ion: 92 Resp: 16441

Ion Ratio Lower Upper

92 100

91 162.7 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 67.700 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067766.D

Acq: 24 Nov 2020 13:52

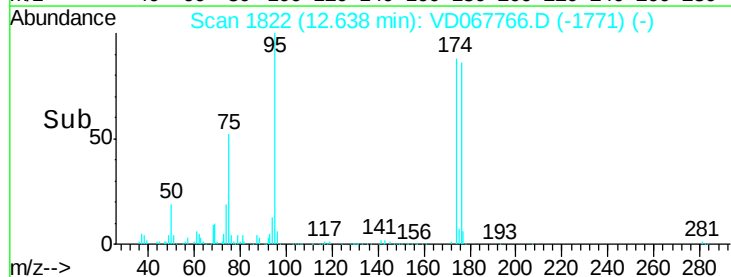
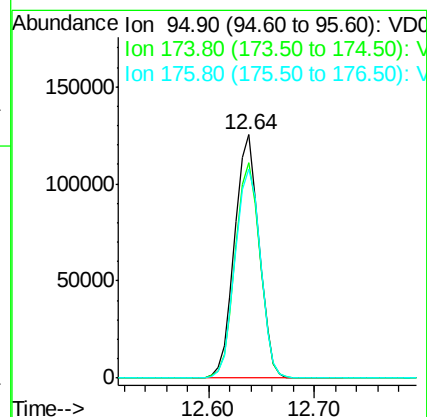
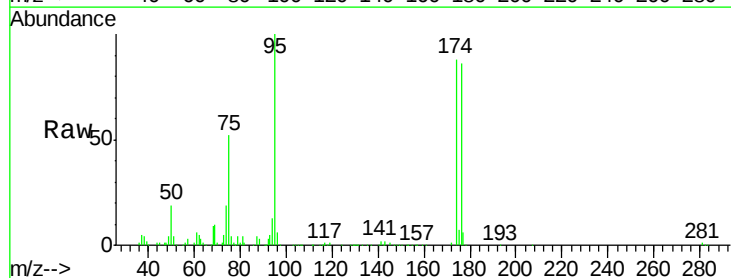
Tgt Ion: 95 Resp: 200463

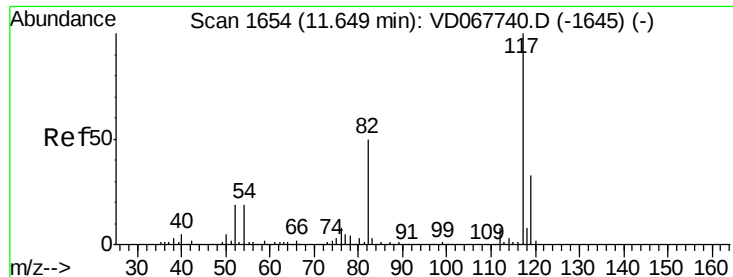
Ion Ratio Lower Upper

95 100

174 89.6 0.0 182.4

176 89.1 0.0 178.2

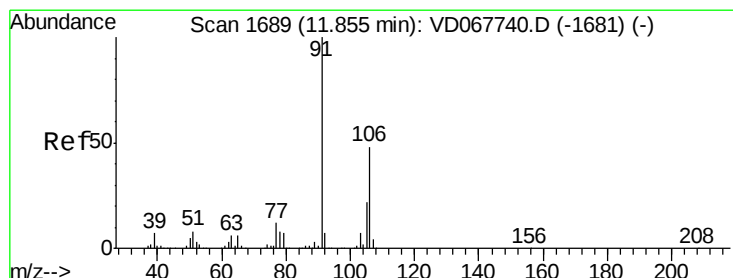
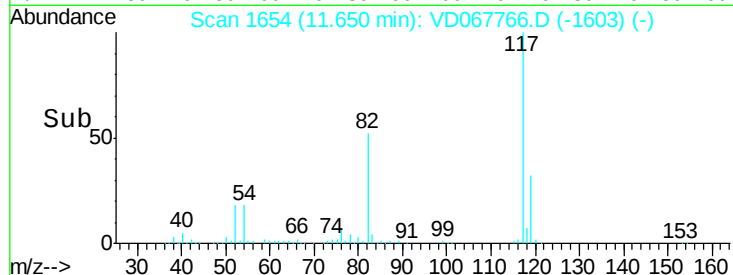
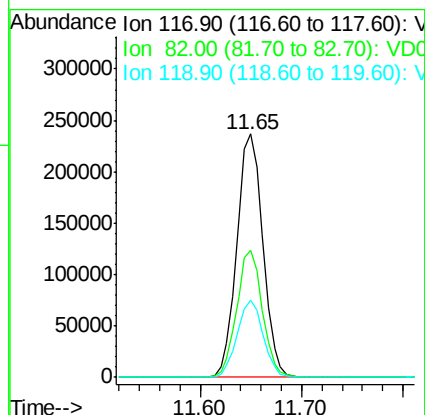
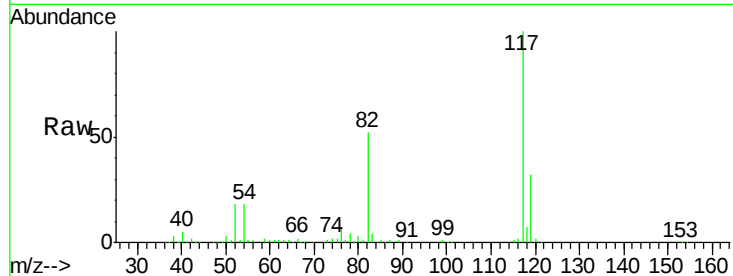




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067766.D
Acq: 24 Nov 2020 13:52

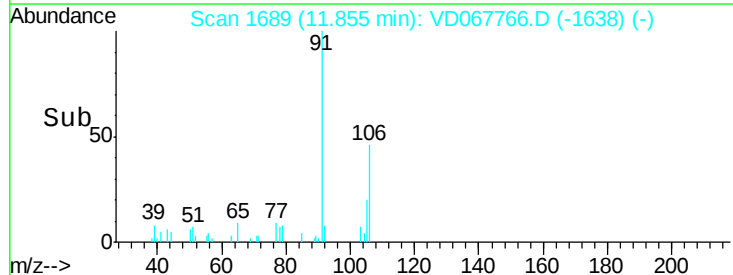
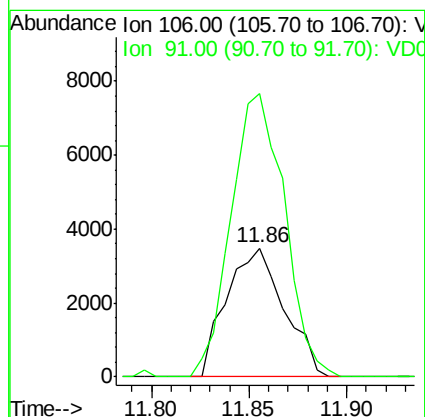
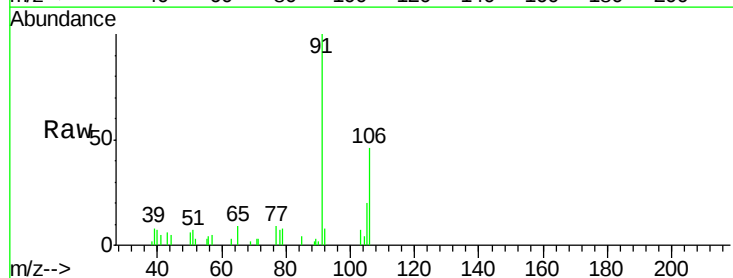
Instrument :
MSVOA_D
ClientSampleId :
30740

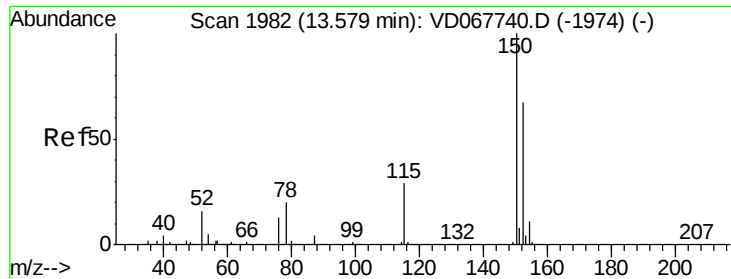
Tot Ion:117 Resp: 422433
Ion Ratio Lower Upper
117 100
82 52.1 40.2 60.4
119 31.9 26.5 39.7



#68
m/p-Xylenes
Concen: 1.278 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067766.D
Acq: 24 Nov 2020 13:52

Tgt Ion:106 Resp: 7129
Ion Ratio Lower Upper
106 100
91 204.7 163.0 244.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067766.D

Acq: 24 Nov 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

30740

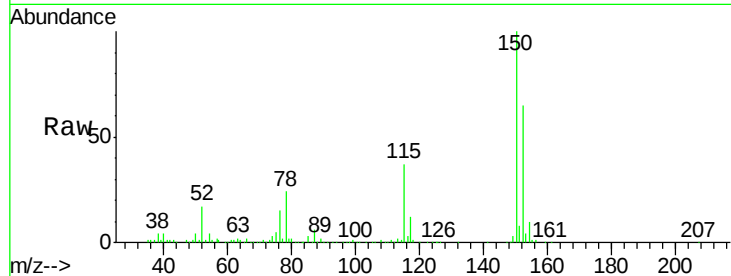
Tot Ion:152 Resp: 241445

Ion Ratio Lower Upper

152 100

115 59.3 29.4 88.3

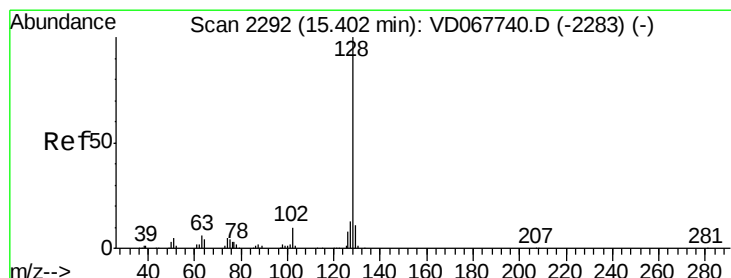
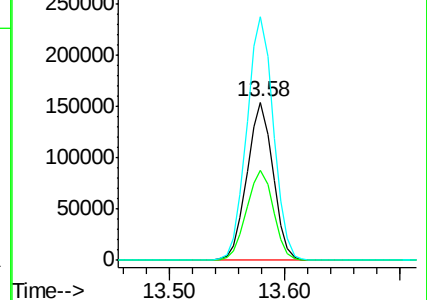
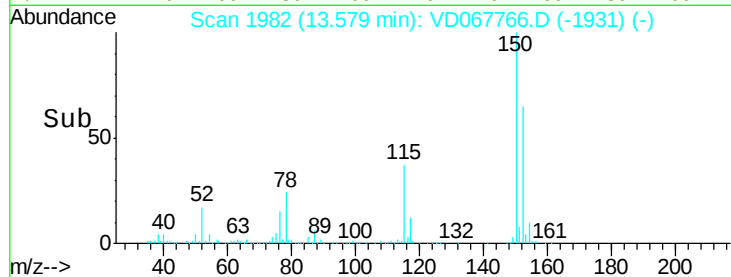
150 157.5 0.0 340.6



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



#95

Naphthalene

Concen: 13.239 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067766.D

Acq: 24 Nov 2020 13:52

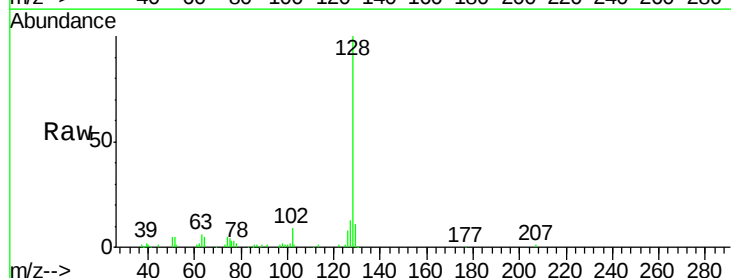
Tgt Ion:128 Resp: 100581

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 12.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

