

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112420\
 Data File : VD067765.D
 Acq On : 24 Nov 2020 13:25
 Operator : VA/SY
 Sample : L4840-01
 Misc : 4.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30739

Quant Time: Nov 25 02:53:32 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	209302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	333585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	378187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	108129	53.13	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.26%
35) Dibromofluoromethane	7.92	113	106061	49.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.92%
50) Toluene-d8	10.34	98	392330	50.55	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.10%
62) 4-Bromofluorobenzene	12.64	95	178751	67.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	134.76%

Target Compounds

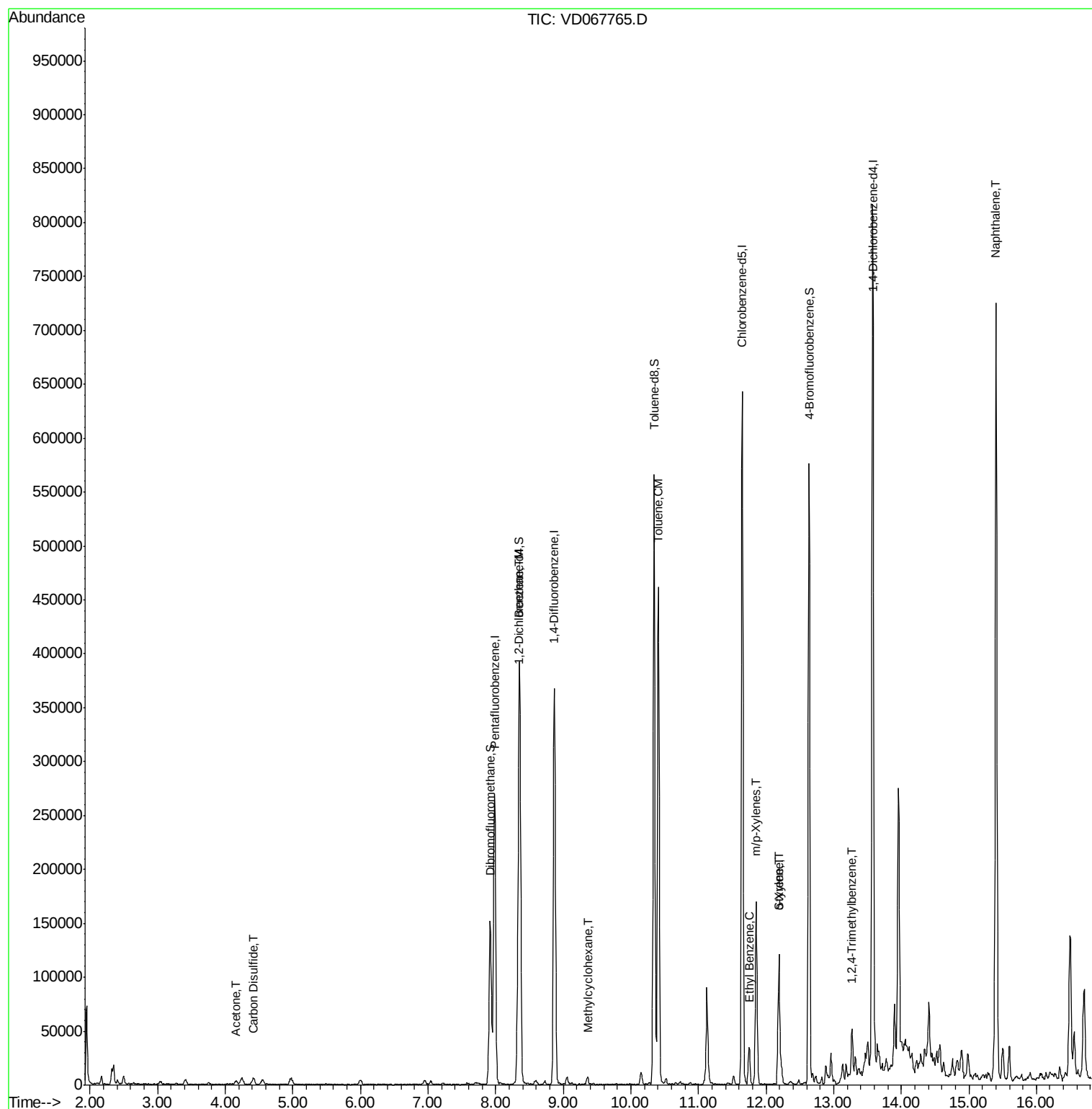
						Qvalue
16) Acetone	4.16	43	6369	24.225	ug/l #	82
17) Carbon Disulfide	4.41	76	14239	2.865	ug/l #	89
39) Methylcyclohexane	9.37	83	3430	1.013	ug/l	92
40) Benzene	8.36	78	358931	45.655	ug/l	97
52) Toluene	10.41	92	207467	38.900	ug/l	100
67) Ethyl Benzene	11.75	91	24051	1.874	ug/l	94
68) m/p-Xylenes	11.86	106	56132	11.241	ug/l	97
69) o-Xylene	12.18	106	23420	5.151	ug/l	99
70) Styrene	12.20	104	31149	4.022	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	27234	2.189	ug/l	98
95) Naphthalene	15.40	128	667341	97.433	ug/l	99

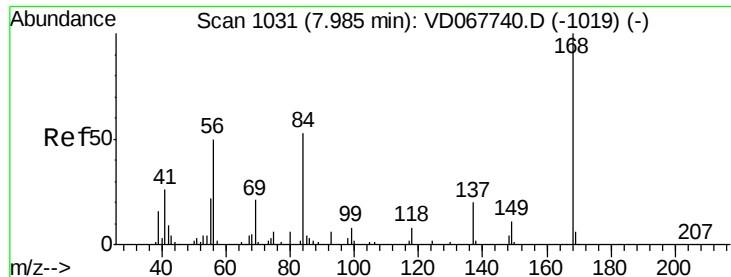
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD067765.D
Acq On : 24 Nov 2020 13:25
Operator : VA/SY
Sample : L4840-01
Misc : 4.23G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
30739

Quant Time: Nov 25 02:53:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067765.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

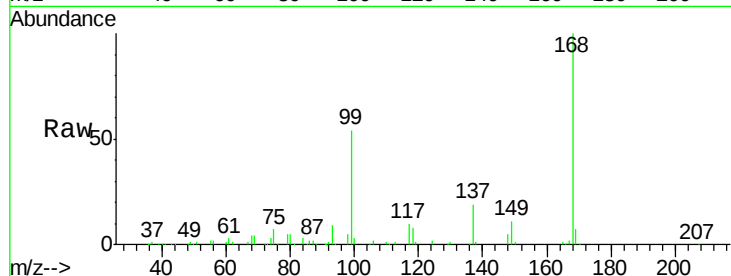
30739

Tot Ion:168 Resp: 209302

Ion Ratio Lower Upper

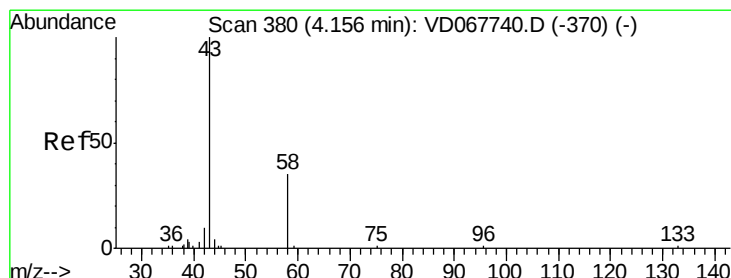
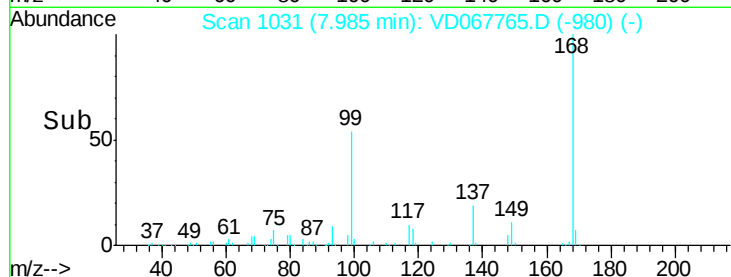
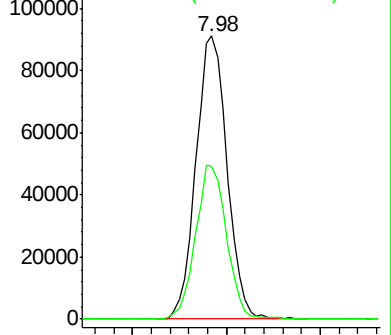
168 100

99 54.0 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 24.225 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067765.D

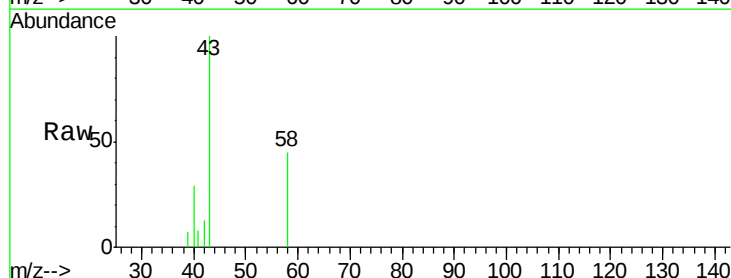
Acq: 24 Nov 2020 13:25

Tgt Ion: 43 Resp: 6369

Ion Ratio Lower Upper

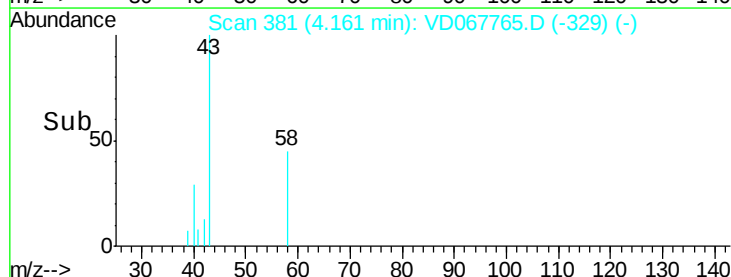
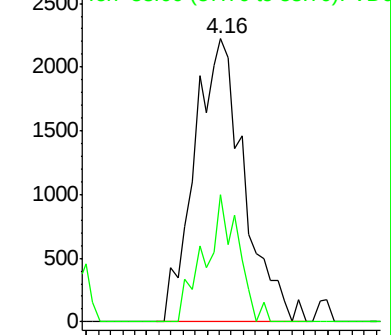
43 100

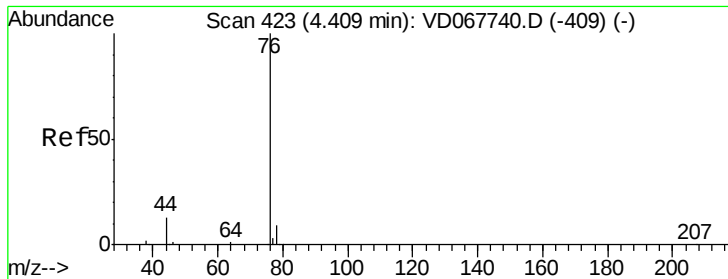
58 45.1 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

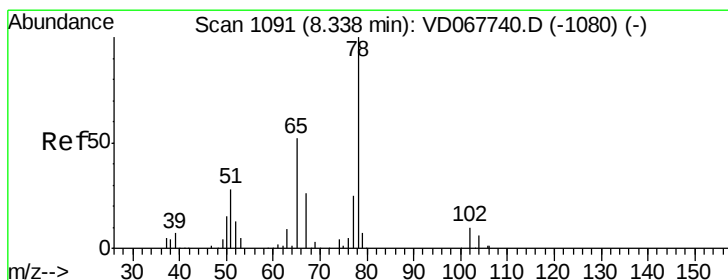
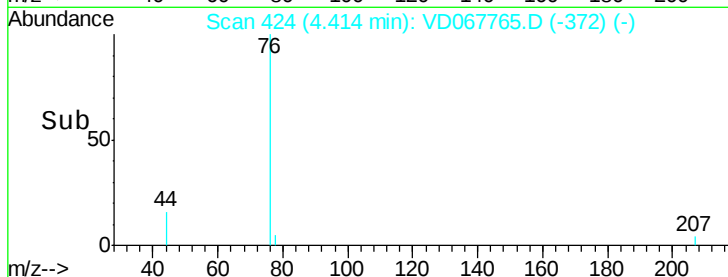
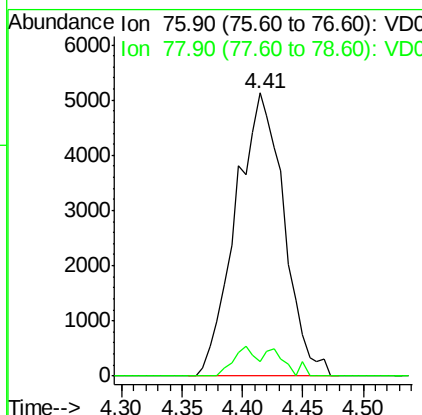
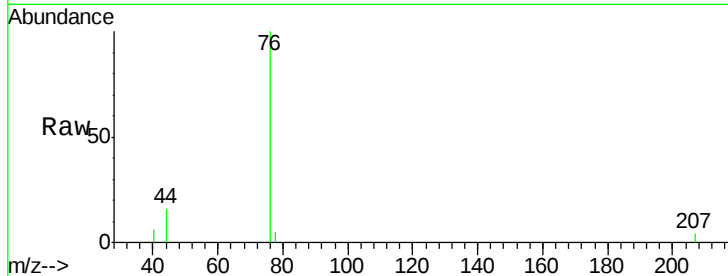




#17
Carbon Disulfide
Concen: 2.865 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067765.D
Acq: 24 Nov 2020 13:25

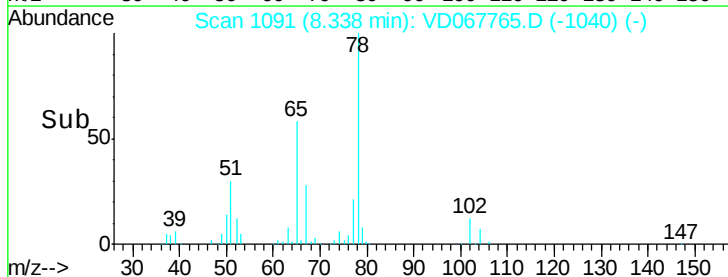
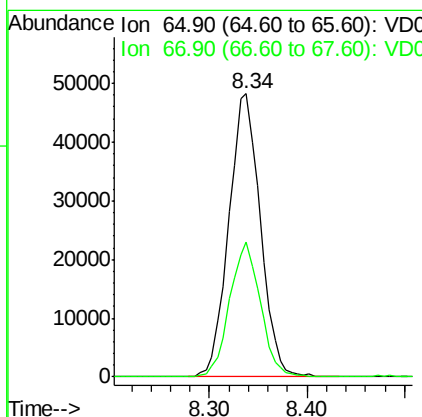
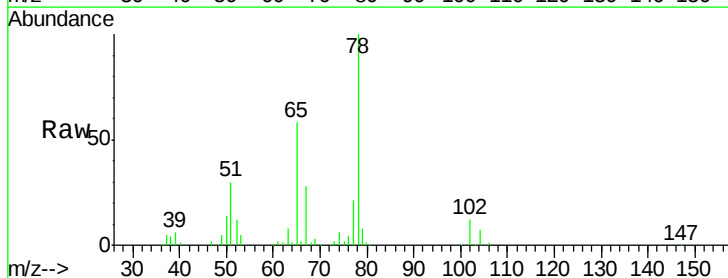
Instrument :
MSVOA_D
ClientSampleId :
30739

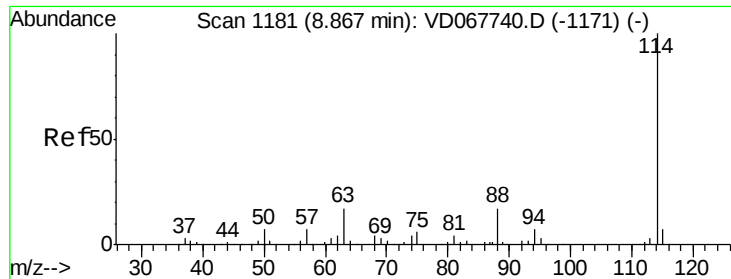
Tot Ion: 76 Resp: 14239
Ion Ratio Lower Upper
76 100
78 5.3 7.5 11.3#



#33
1,2-Dichloroethane-d4
Concen: 53.133 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD067765.D
Acq: 24 Nov 2020 13:25

Tgt Ion: 65 Resp: 108129
Ion Ratio Lower Upper
65 100
67 46.2 0.0 101.0

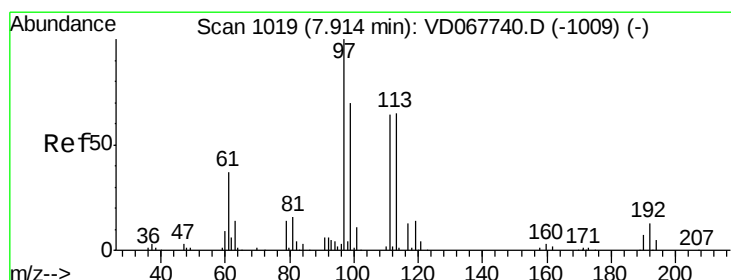
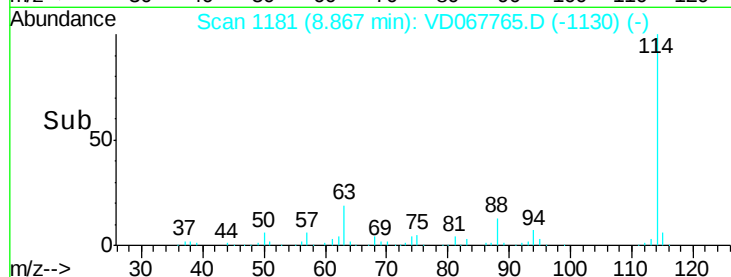
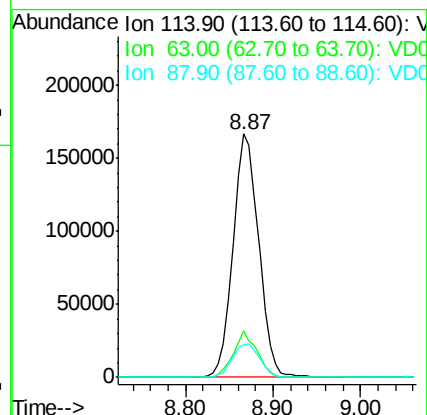
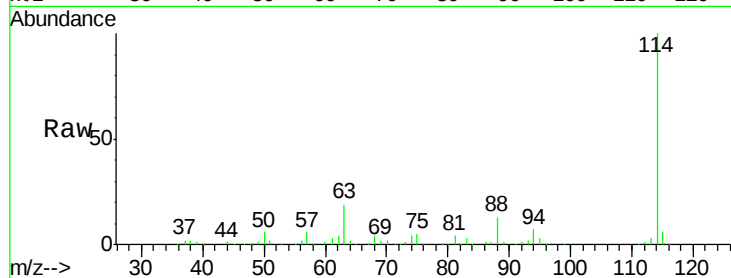




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067765.D
 Acq: 24 Nov 2020 13:25

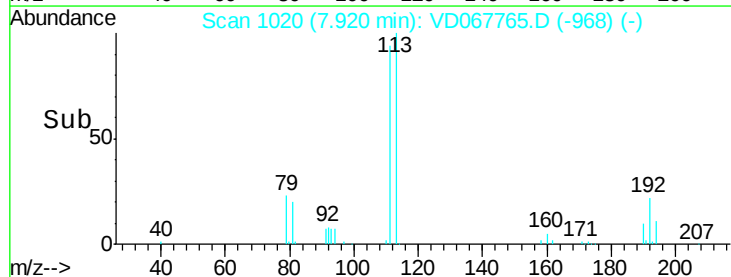
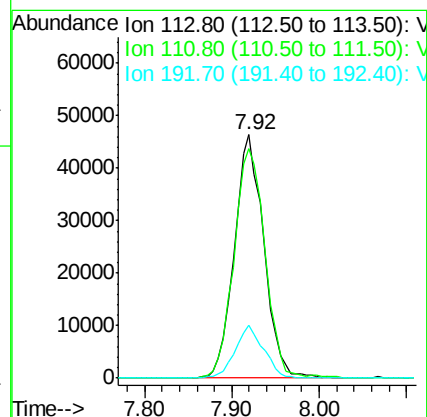
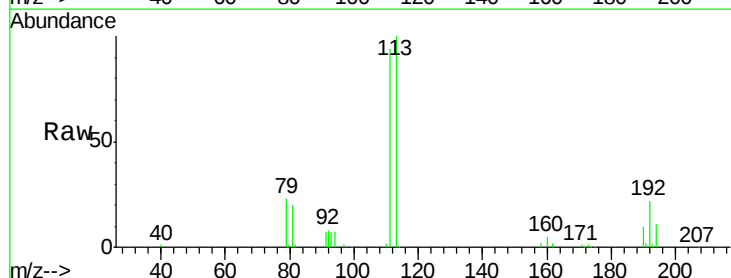
Instrument :
 MSVOA_D
 ClientSampleId :
 30739

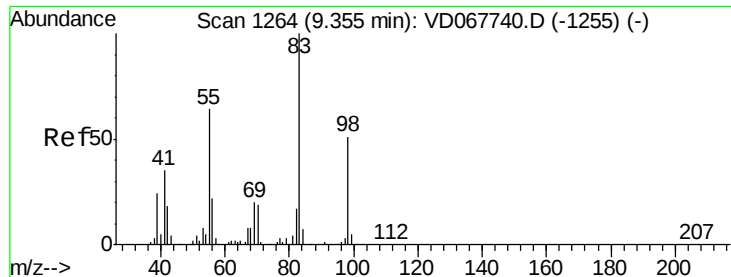
Tot Ion:114 Resp: 333585
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 34.8
 88 13.2 0.0 34.4



#35
 Dibromofluoromethane
 Concen: 49.960 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067765.D
 Acq: 24 Nov 2020 13:25

Tgt Ion:113 Resp: 106061
 Ion Ratio Lower Upper
 113 100
 111 98.6 81.4 122.0
 192 20.7 17.0 25.4

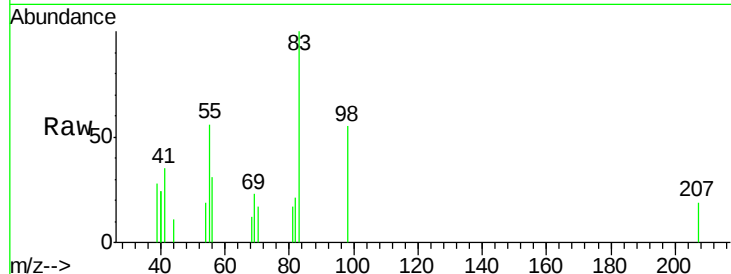




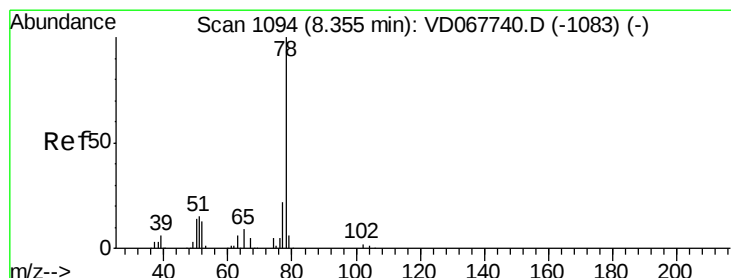
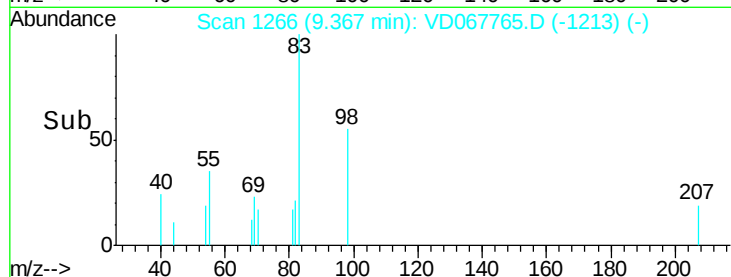
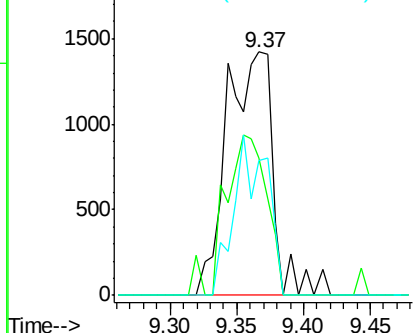
#39
Methvlcvclohexane
Concen: 1.013 ug/l
RT: 9.37 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VD067765.D
Acq: 24 Nov 2020 13:25

Instrument :
MSVOA_D
ClientSampled :
30739

Tot Ion: 83 Resp: 3430
Ion Ratio Lower Upper
83 100
55 56.4 51.0 76.4
98 55.2 40.4 60.6

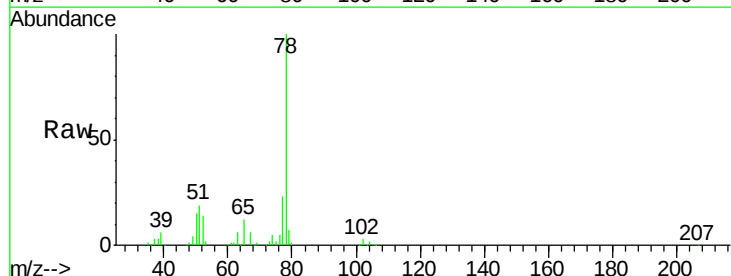


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

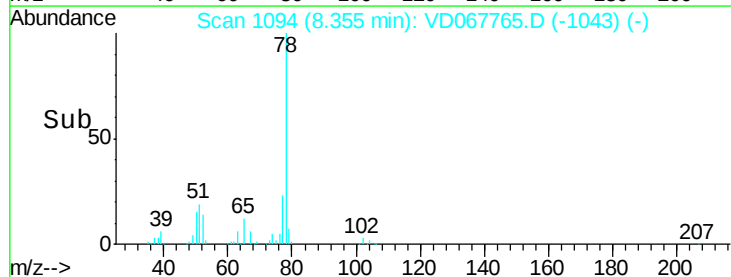
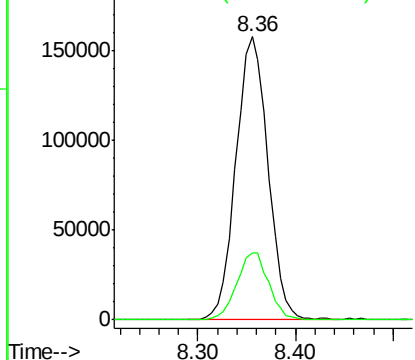


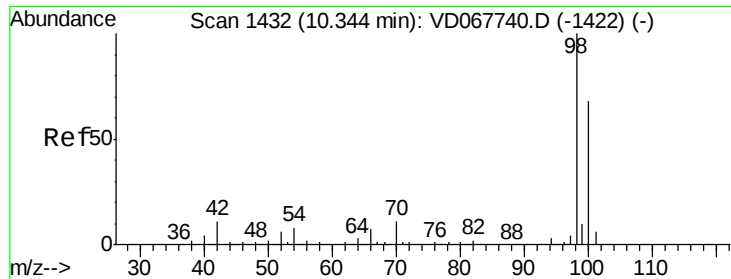
#40
Benzene
Concen: 45.655 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067765.D
Acq: 24 Nov 2020 13:25

Tgt Ion: 78 Resp: 358931
Ion Ratio Lower Upper
78 100
77 23.5 17.8 26.6



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#50

Toluene-d8

Concen: 50.548 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067765.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

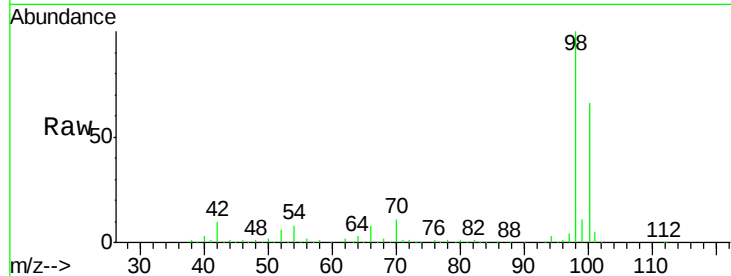
30739

Tot Ion: 98 Resp: 392330

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

250000

200000

150000

100000

50000

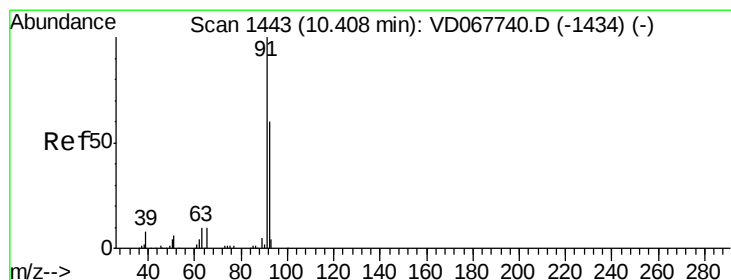
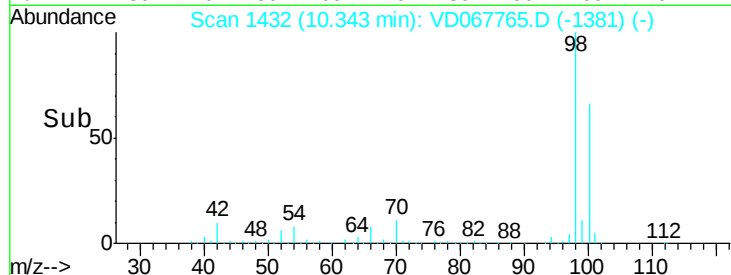
0

10.30

10.34

10.40

Time-->



#52

Toluene

Concen: 38.900 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067765.D

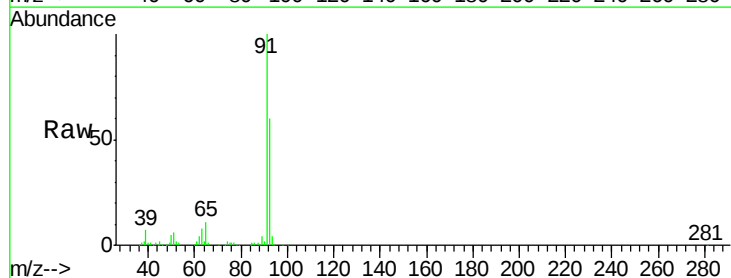
Acq: 24 Nov 2020 13:25

Tgt Ion: 92 Resp: 207467

Ion Ratio Lower Upper

92 100

91 169.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

150000

100000

50000

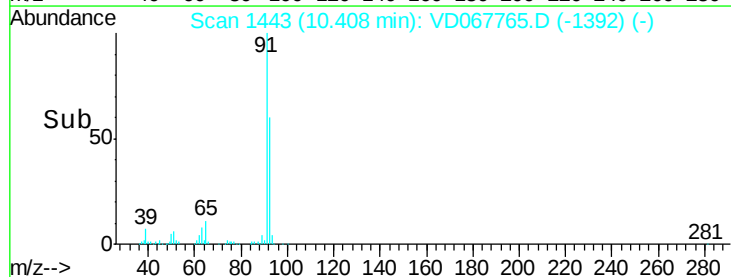
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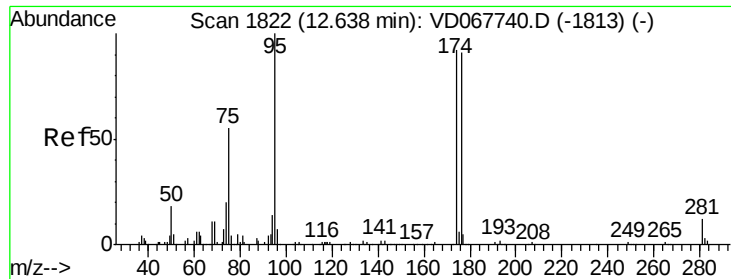
10.30

10.41

10.50

Time-->

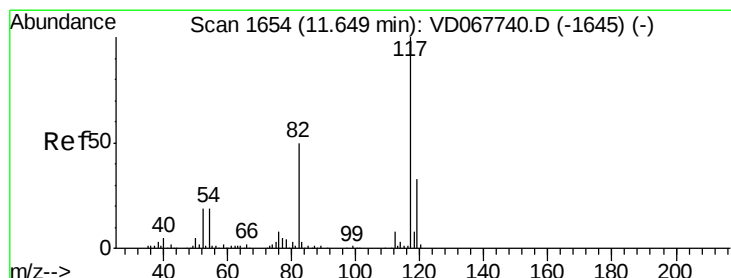
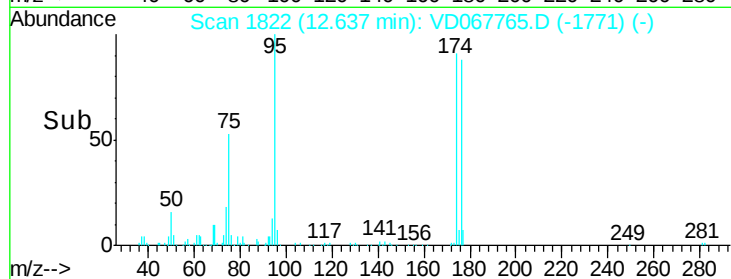
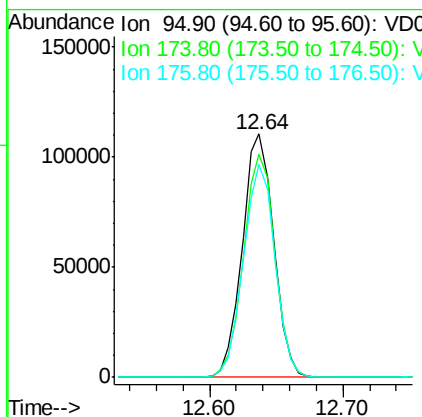
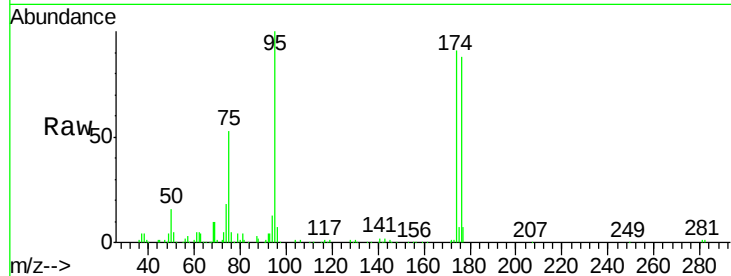




#62
4-Bromofluorobenzene
Concen: 67.378 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067765.D
Acq: 24 Nov 2020 13:25

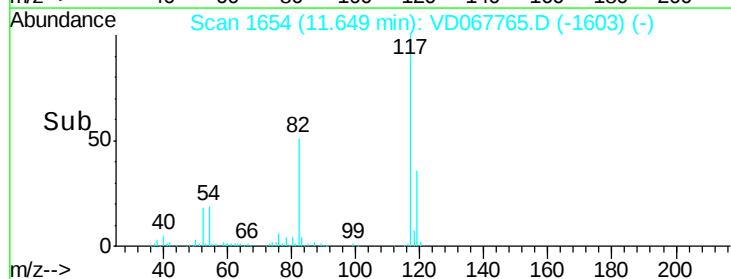
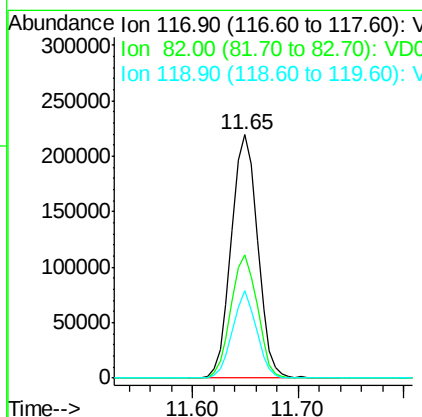
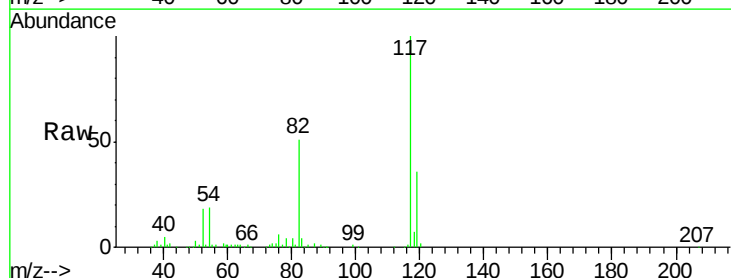
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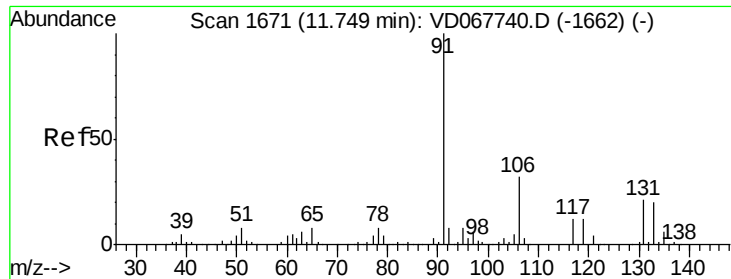
Tot Ion: 95 Resp: 178751
Ion Ratio Lower Upper
95 100
174 91.6 0.0 182.4
176 87.8 0.0 178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067765.D
Acq: 24 Nov 2020 13:25

Tgt Ion: 117 Resp: 378187
Ion Ratio Lower Upper
117 100
82 50.8 40.2 60.4
119 35.7 26.5 39.7





#67

Ethyl Benzene

Concen: 1.874 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067765.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_D

ClientSampleID :

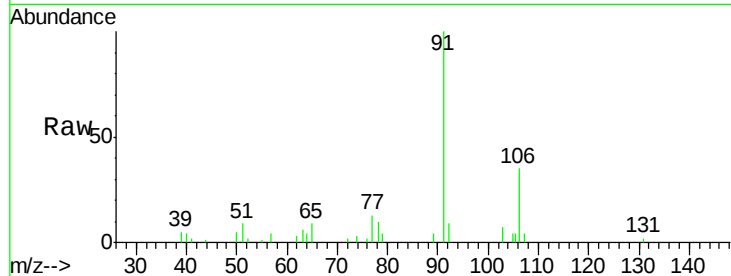
30739

Tot Ion: 91 Resp: 24051

Ion Ratio Lower Upper

91 100

106 35.2 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VD067740.D (-1662) (-)

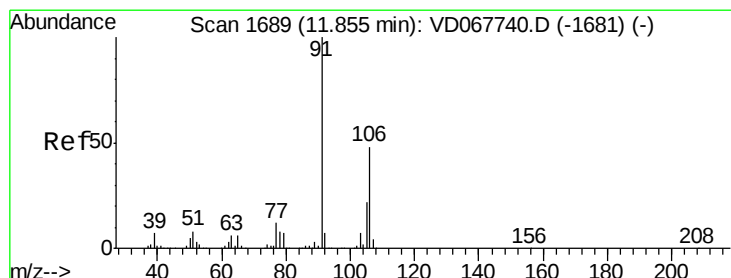
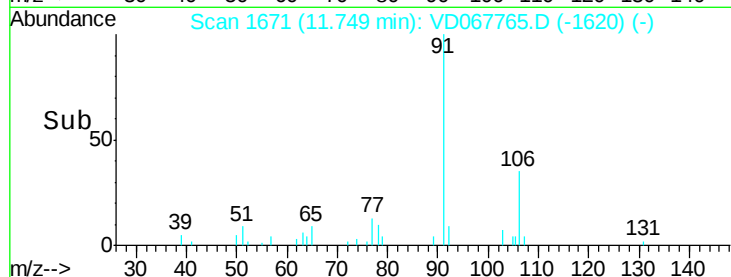
Ion 106.00 (105.70 to 106.70): VD067740.D (-1662) (-)

11.75

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 11.241 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067765.D

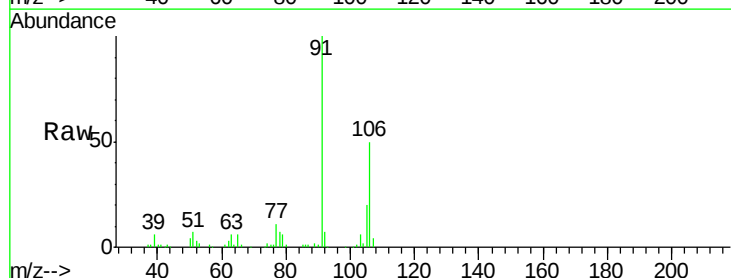
Acq: 24 Nov 2020 13:25

Tgt Ion: 106 Resp: 56132

Ion Ratio Lower Upper

106 100

91 199.2 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): VD067740.D (-1681) (-)

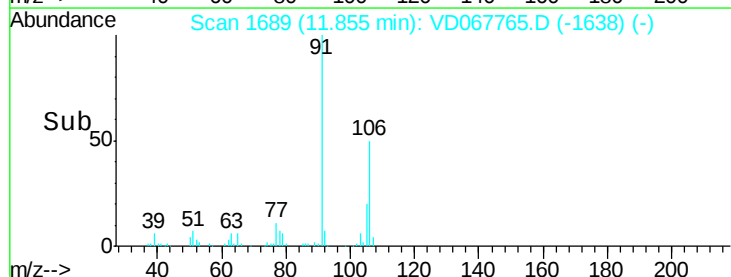
Ion 91.00 (90.70 to 91.70): VD067740.D (-1681) (-)

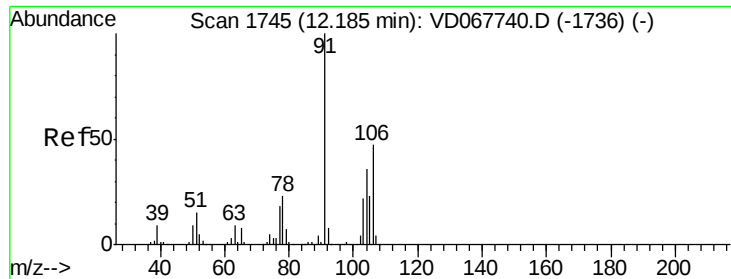
11.86

11.86

11.90

Time-->

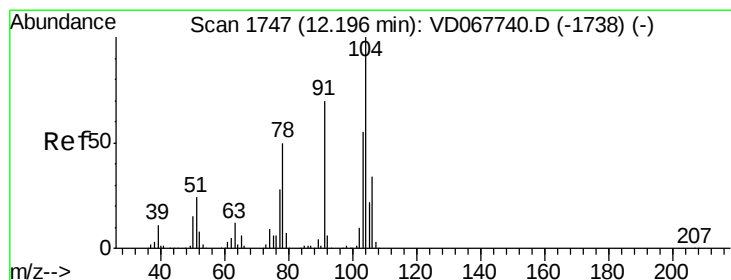
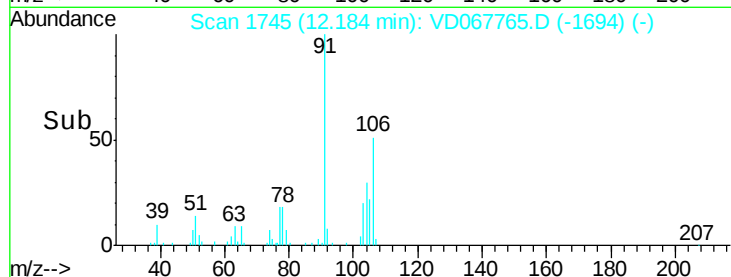
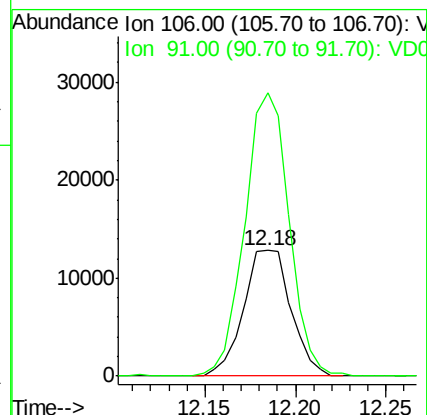
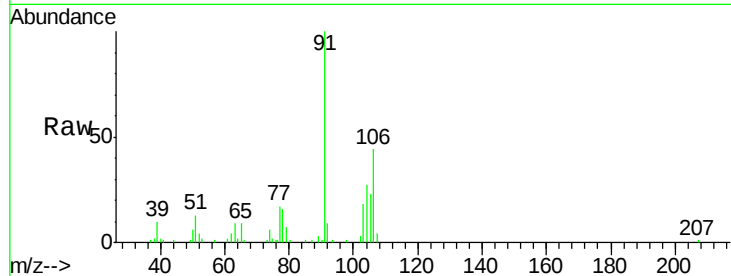




#69
o-Xylene
Concen: 5.151 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067765.D
Acq: 24 Nov 2020 13:25

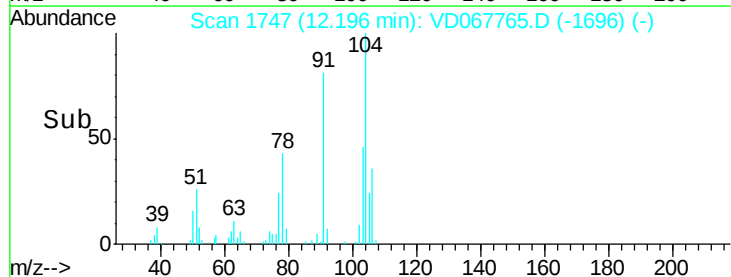
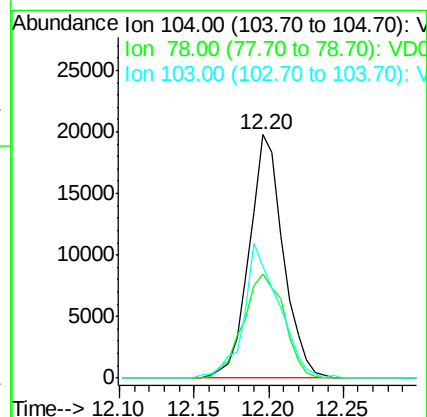
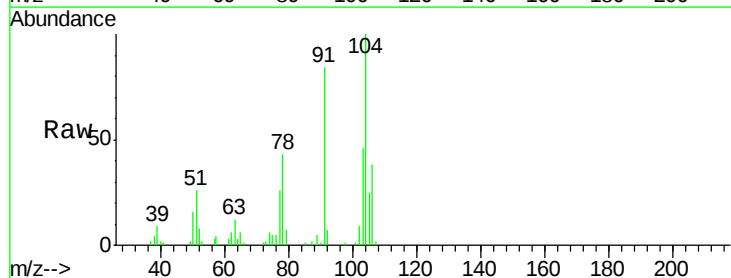
Instrument :
MSVOA_D
ClientSampleId :
30739

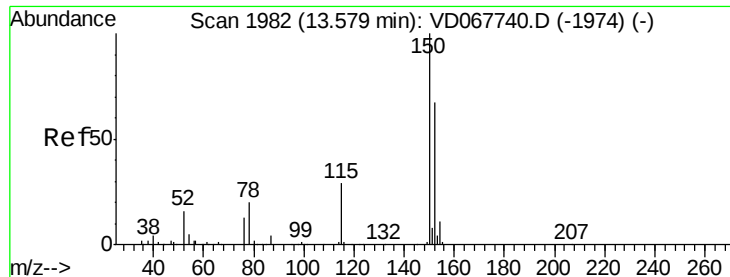
Tot Ion:106 Resp: 23420
Ion Ratio Lower Upper
106 100
91 210.1 106.2 318.6



#70
Styrene
Concen: 4.022 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067765.D
Acq: 24 Nov 2020 13:25

Tgt Ion:104 Resp: 31149
Ion Ratio Lower Upper
104 100
78 51.8 41.9 62.9
103 56.9 44.1 66.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067765.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

30739

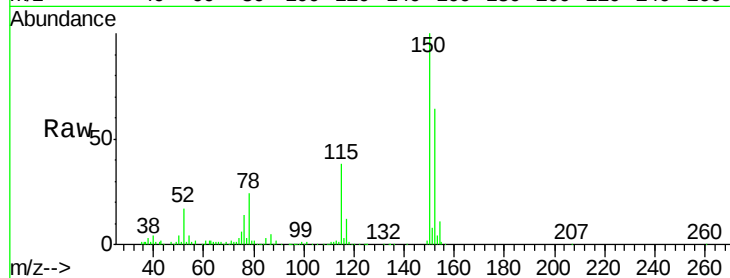
Tot Ion:152 Resp: 217671

Ion Ratio Lower Upper

152 100

115 58.8 29.4 88.3

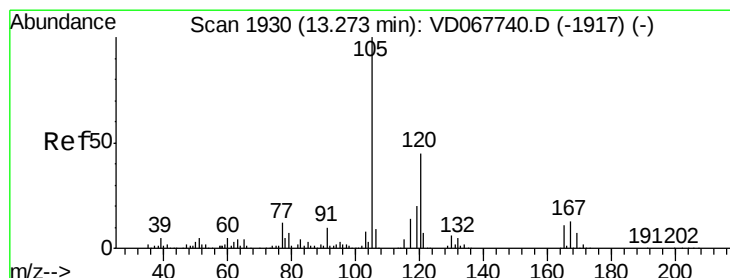
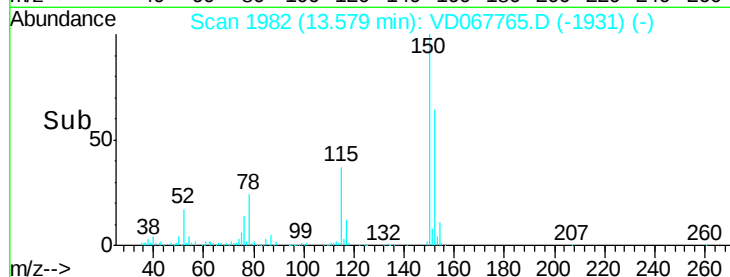
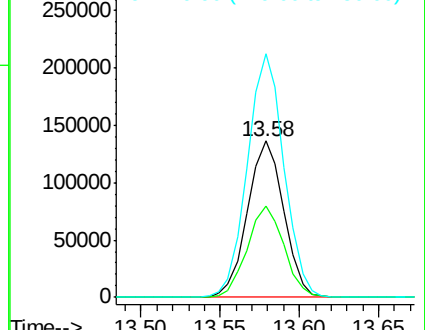
150 156.5 0.0 340.6



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



#84

1,2,4-Trimethylbenzene

Concen: 2.189 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD067765.D

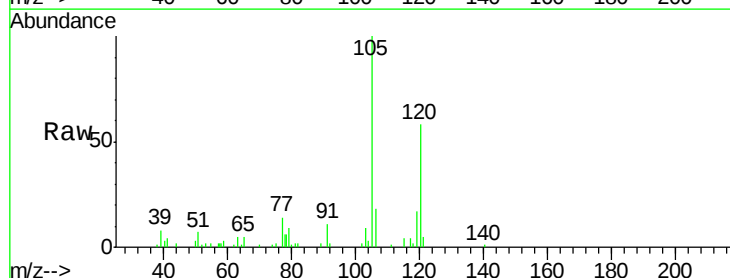
Acq: 24 Nov 2020 13:25

Tgt Ion:105 Resp: 27234

Ion Ratio Lower Upper

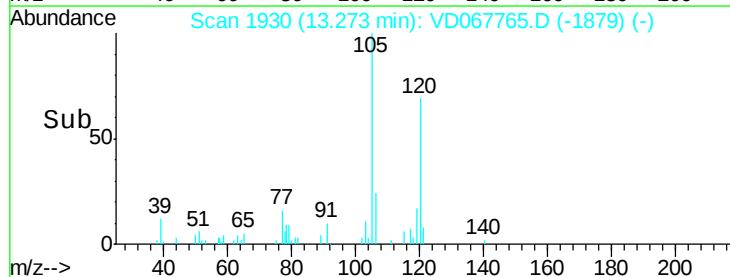
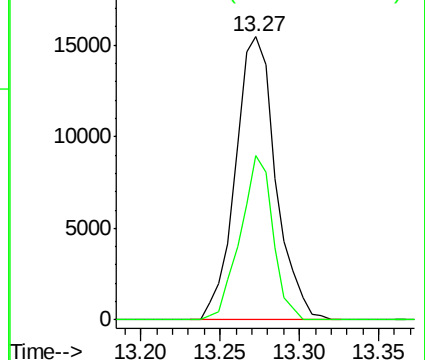
105 100

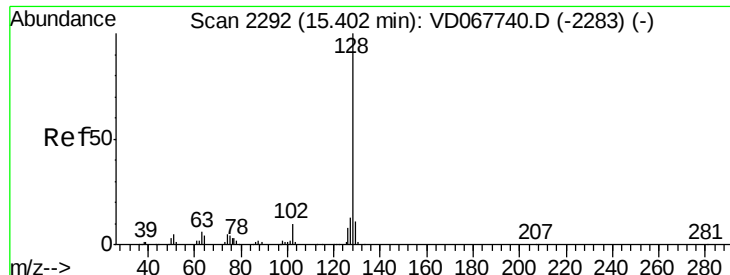
120 46.7 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 97.433 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VD067765.D

Acq: 24 Nov 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

30739

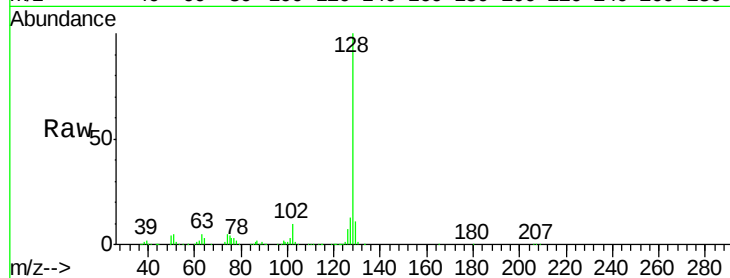
Tot Ion:128 Resp: 667341

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

129 11.1 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

