

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067861.D
 Acq On : 03 Dec 2020 11:55
 Operator : VA/SY
 Sample : L4909-02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ROCK-HILL-SLOPE-EMBANKMENT-

Quant Time: Dec 03 14:25:06 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	227759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	322293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	280704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	133286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	107783	44.08	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.16%
35) Dibromofluoromethane	7.92	113	95477	44.27	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.54%
50) Toluene-d8	10.34	98	365453	47.07	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.14%
62) 4-Bromofluorobenzene	12.64	95	113610	42.33	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.66%

Target Compounds

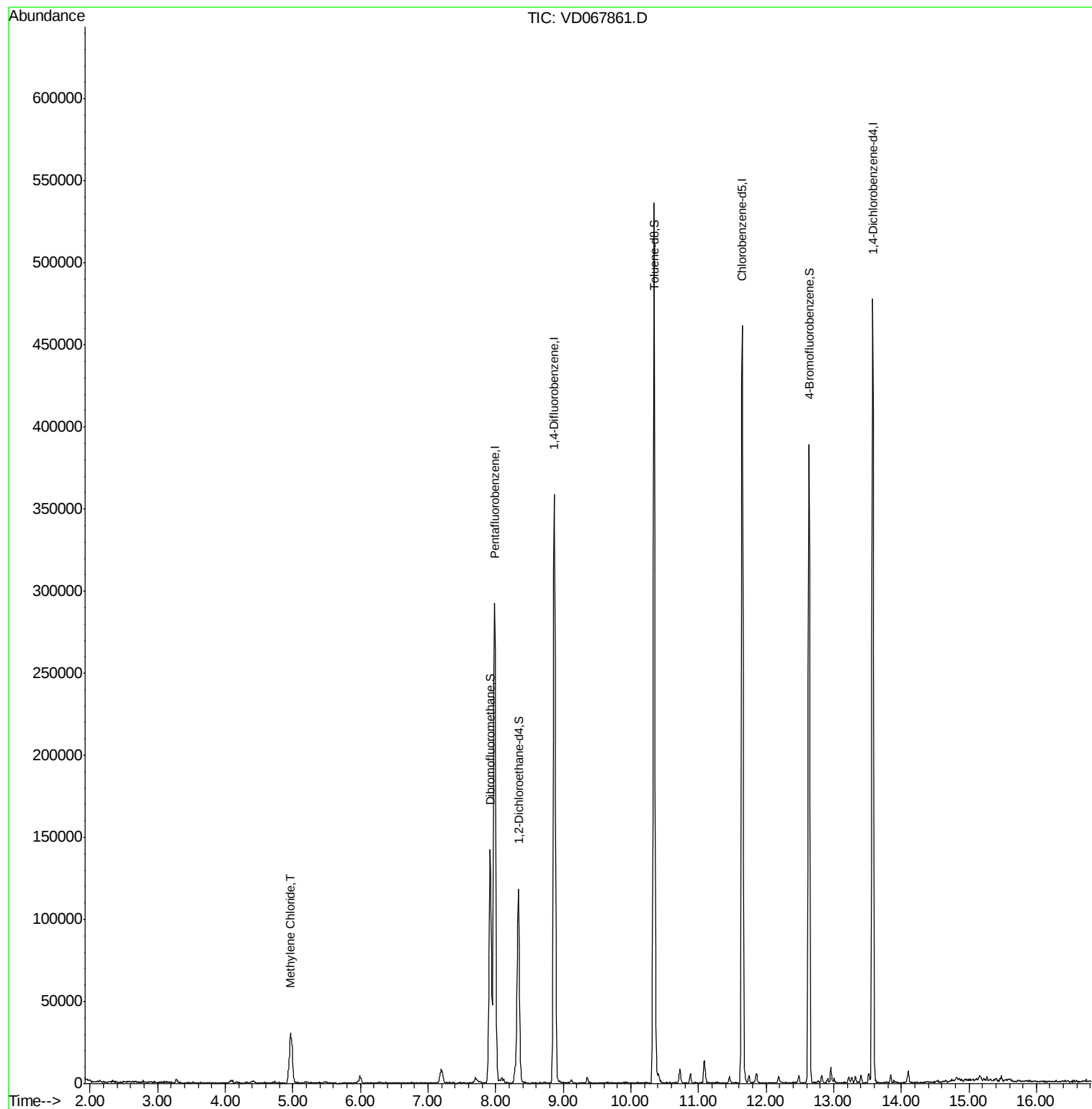
	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.97	84	25971	9.983	ug/l	93

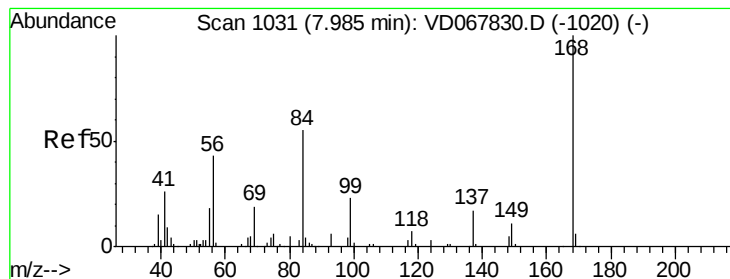
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067861.D

Acq: 03 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

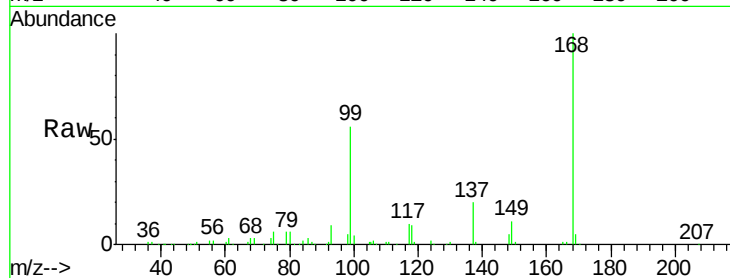
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion:168 Resp: 227759

Ion Ratio Lower Upper

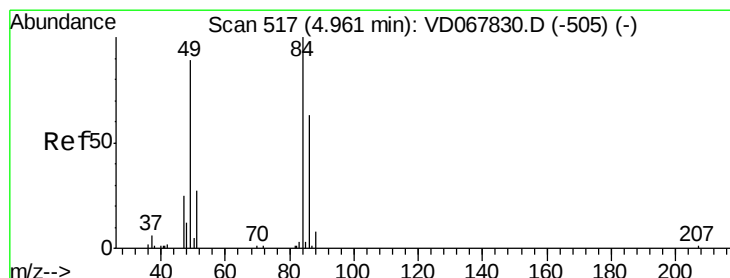
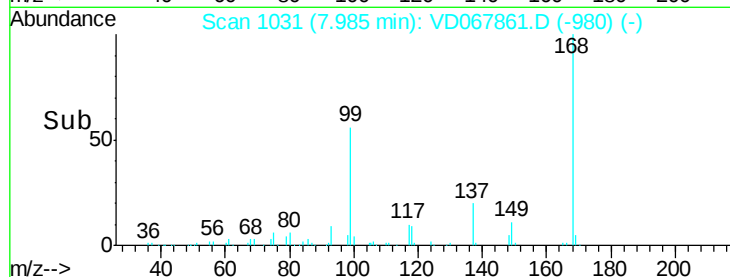
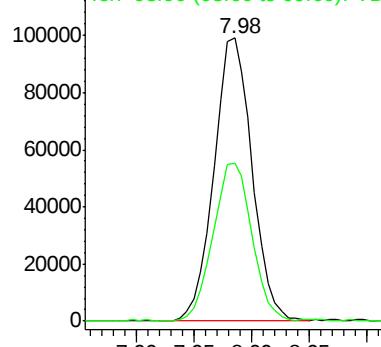
168 100

99 55.5 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: 9.983 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067861.D

Acq: 03 Dec 2020 11:55

Tgt Ion: 84 Resp: 25971

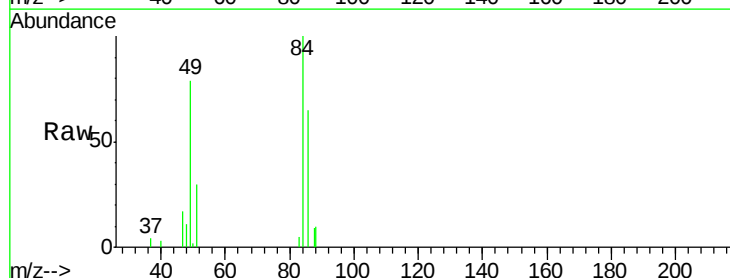
Ion Ratio Lower Upper

84 100

49 78.5 71.4 107.0

51 30.2 21.8 32.8

86 65.0 50.6 75.8

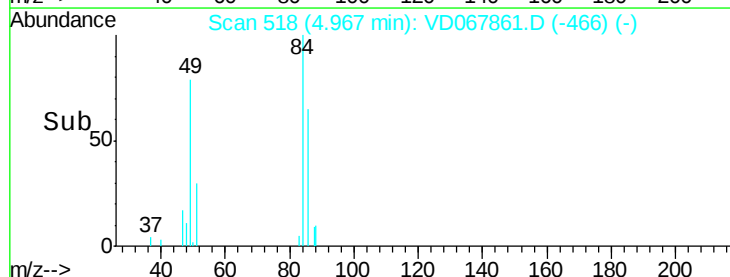
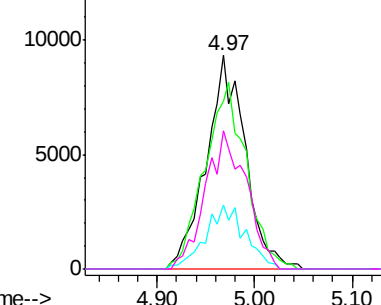


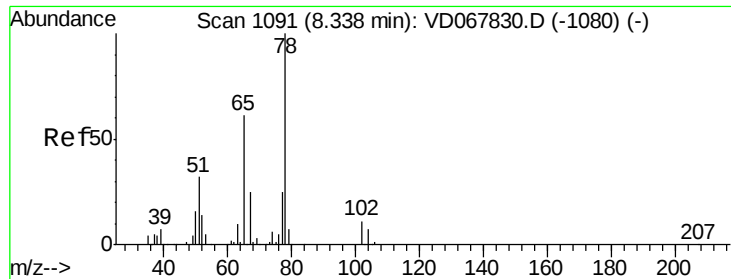
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 44.081 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067861.D

Acq: 03 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

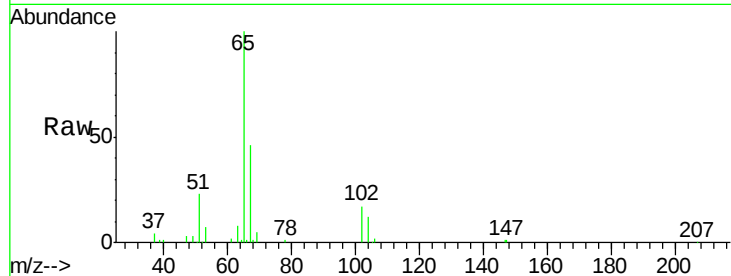
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion: 65 Resp: 107783

Ion Ratio Lower Upper

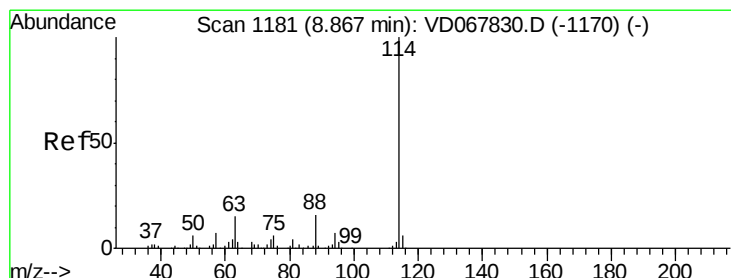
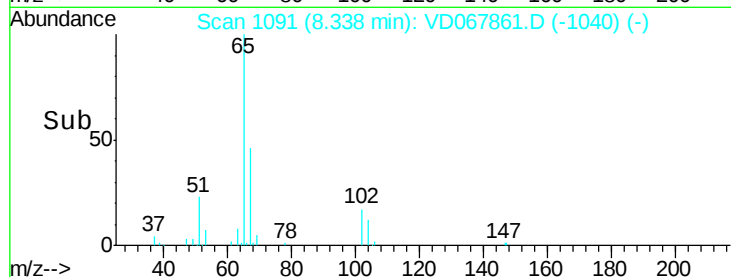
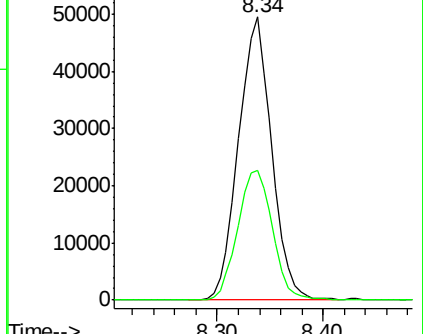
65 100

67 48.4 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# 1181

Delta R.T. 0.00 min

Lab File: VD067861.D

Acq: 03 Dec 2020 11:55

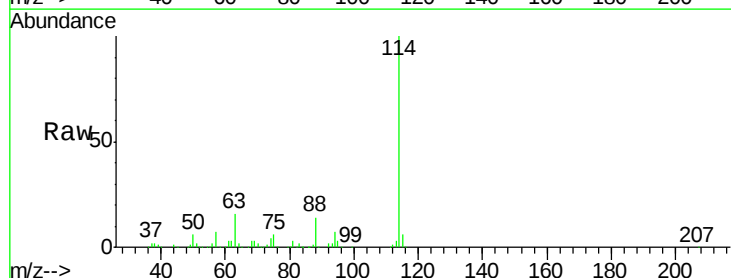
Tgt Ion: 114 Resp: 322293

Ion Ratio Lower Upper

114 100

63 16.2 0.0 30.8

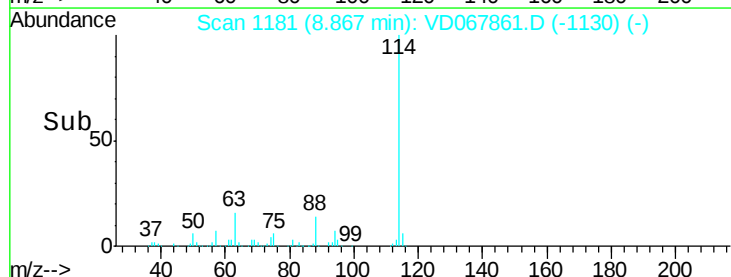
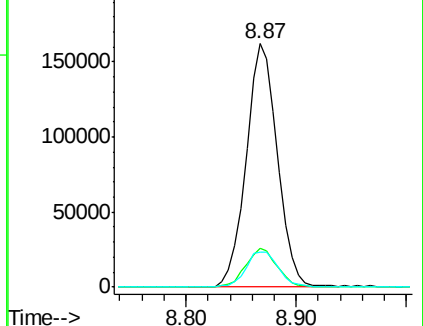
88 14.4 0.0 31.8

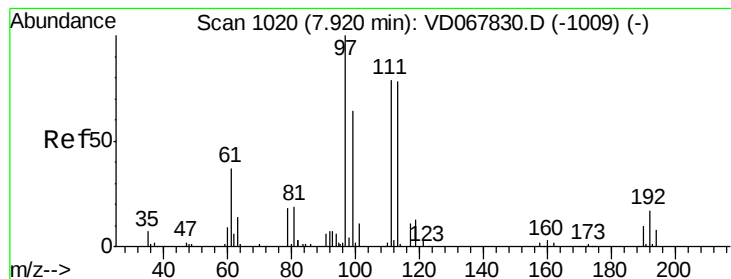


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 44.272 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067861.D

Acq: 03 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

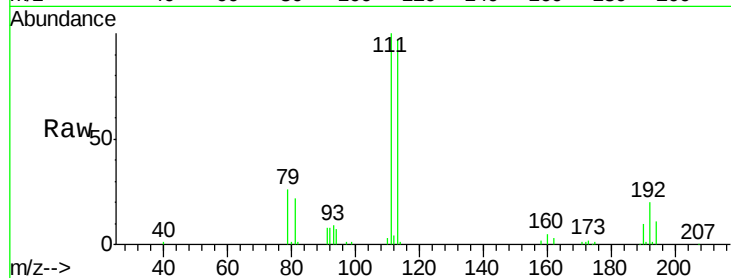
Tot Ion:113 Resp: 95477

Ion Ratio Lower Upper

113 100

111 104.0 81.2 121.8

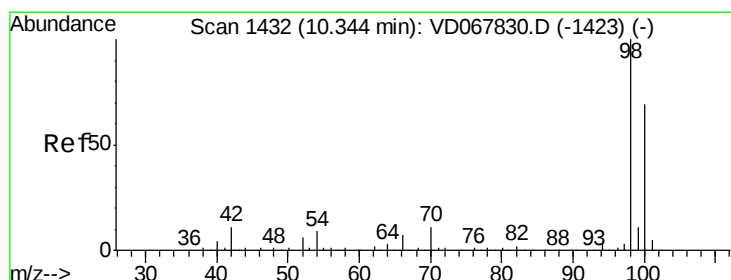
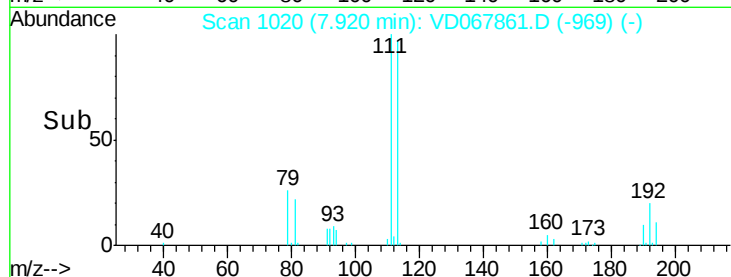
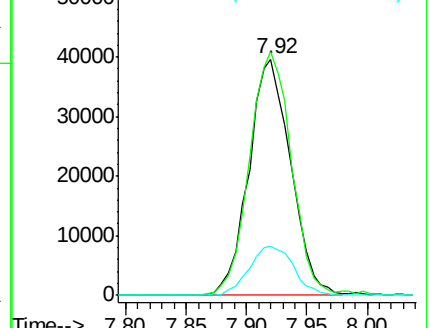
192 22.2 16.8 25.2



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: 47.074 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067861.D

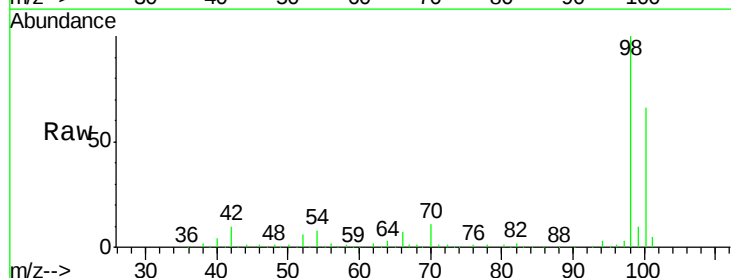
Acq: 03 Dec 2020 11:55

Tgt Ion: 98 Resp: 365453

Ion Ratio Lower Upper

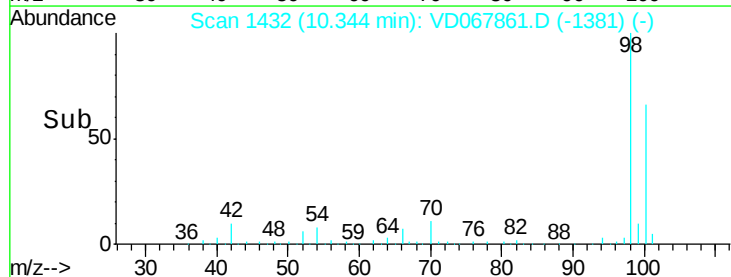
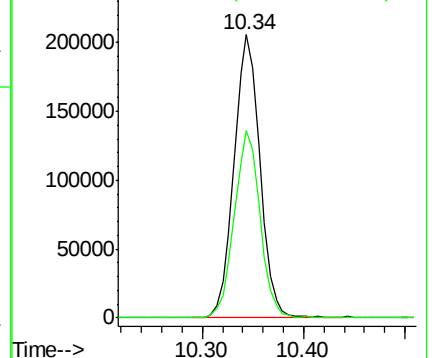
98 100

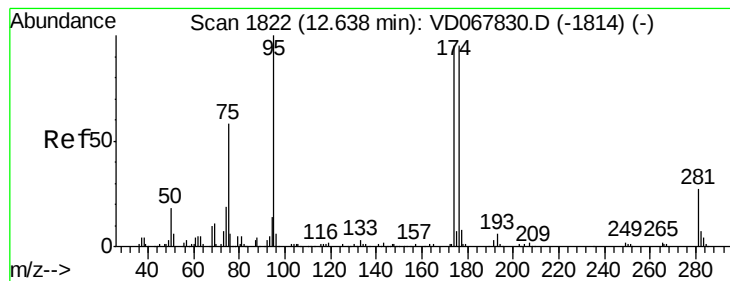
100 65.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.328 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067861.D

Acq: 03 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

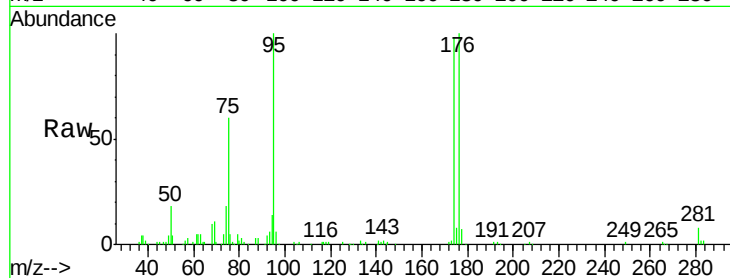
Tot Ion: 95 Resp: 113610

Ion Ratio Lower Upper

95 100

174 98.0 0.0 186.0

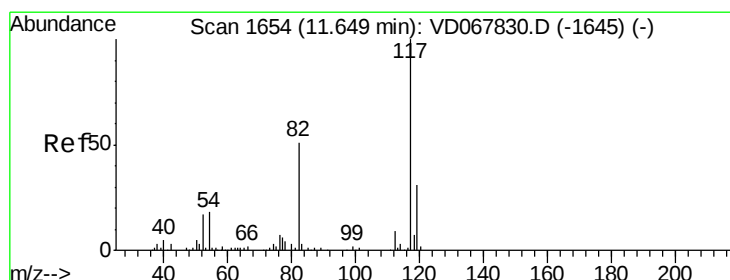
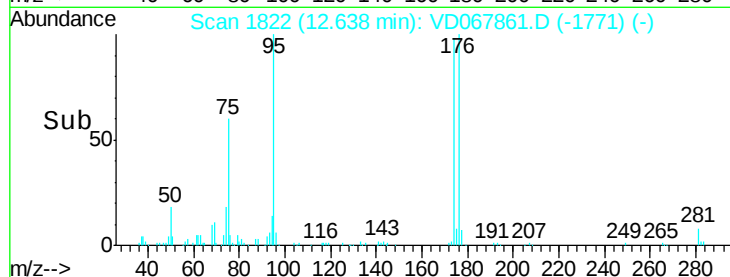
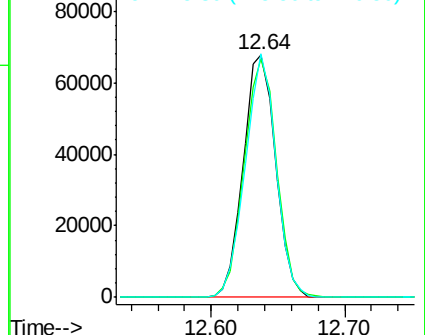
176 94.7 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067861.D

Acq: 03 Dec 2020 11:55

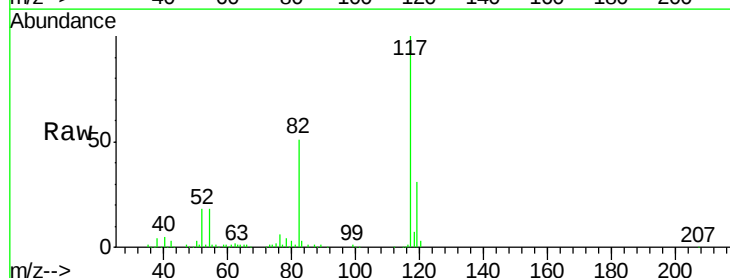
Tgt Ion: 117 Resp: 280704

Ion Ratio Lower Upper

117 100

82 50.7 40.6 60.8

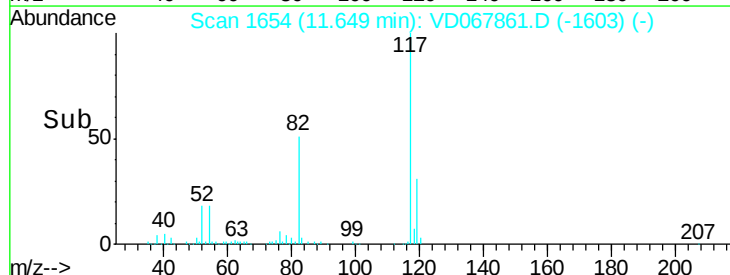
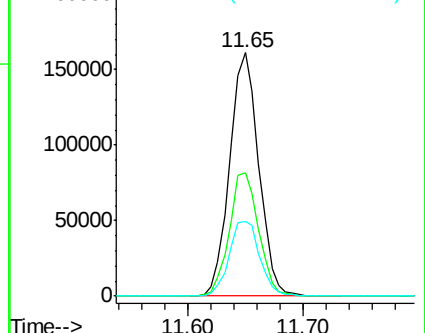
119 30.9 25.1 37.7

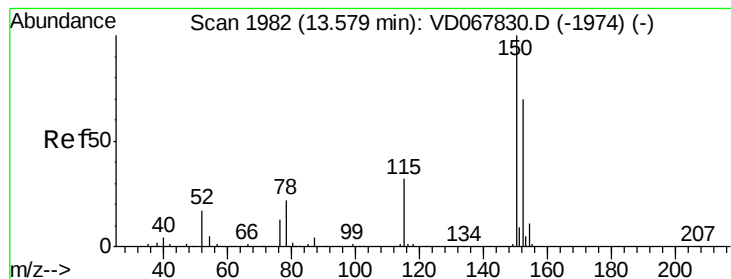


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067861.D

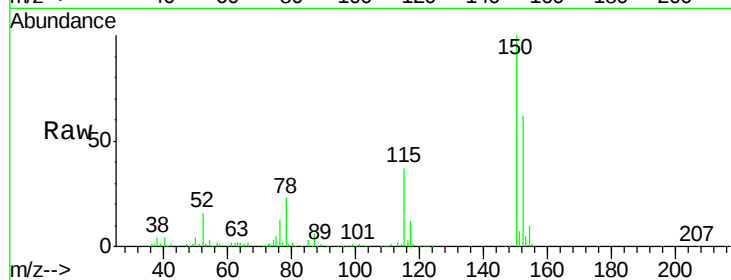
Acq: 03 Dec 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-



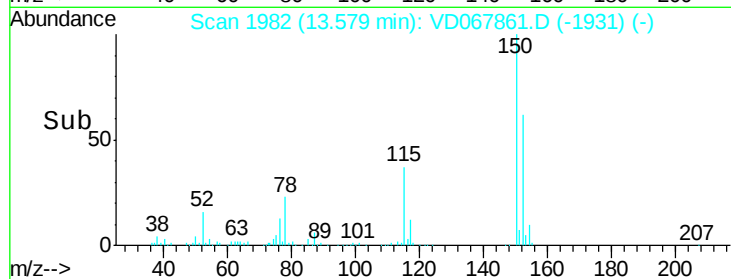
Tot Ion:152 Resp: 133286

Ion Ratio Lower Upper

152 100

115 58.9 29.1 87.4

150 158.6 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

