

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067853.D
 Acq On : 02 Dec 2020 23:13
 Operator : VA/SY
 Sample : L4909-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Dec 03 00:37:36 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	86391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	125907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	118830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	62152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	56541	60.96	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.92%
35) Dibromofluoromethane	7.92	113	42283	50.19	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.38%
50) Toluene-d8	10.34	98	143325	47.26	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.52%
62) 4-Bromofluorobenzene	12.64	95	49835	47.53	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.06%

Target Compounds

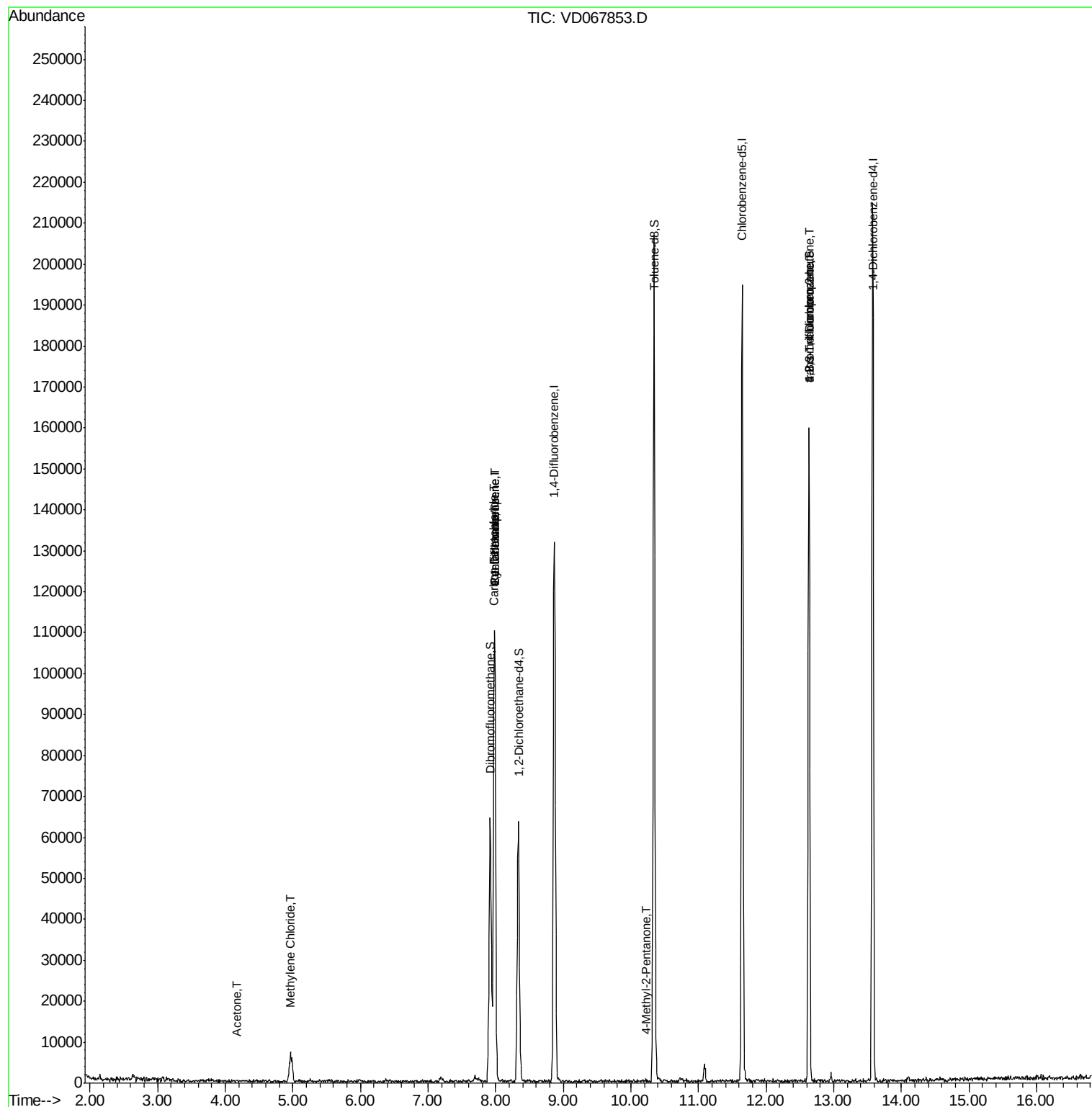
					Qvalue	
16) Acetone	4.17	43	174	1.518	ug/l #	47
20) Methylene Chloride	4.97	84	5896	4.178	ug/l	94
31) Cyclohexane	7.99	56	1425	1.458	ug/l #	35
36) 1,1-Dichloropropene	7.98	75	6133	5.627	ug/l #	48
38) Carbon Tetrachloride	7.97	117	8117	4.922	ug/l #	15
51) 4-Methyl-2-Pentanone	10.23	43	312	1.140	ug/l #	31
76) 1,2,3-Trichloropropane	12.63	75	26376	58.275	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	26376	139.400	ug/l #	7

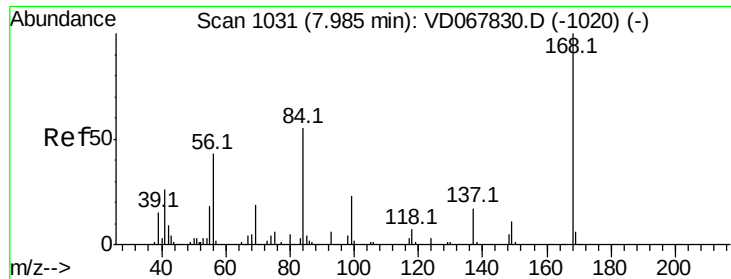
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120220\
Data File : VD067853.D
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Operator : VA/SY
Sample : L4909-01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Dec 03 00:37:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 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: VD067853.D

Acq: 02 Dec 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

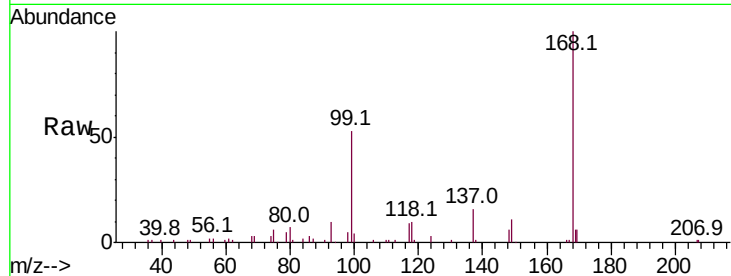
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion:168 Resp: 86391

Ion Ratio Lower Upper

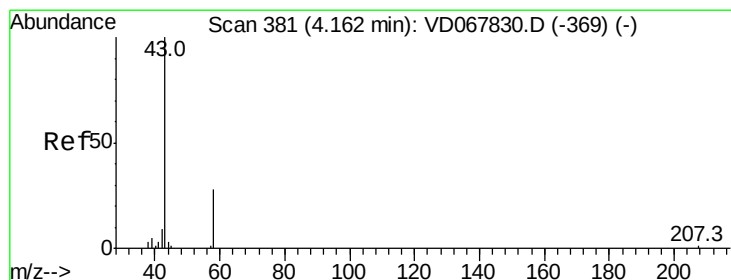
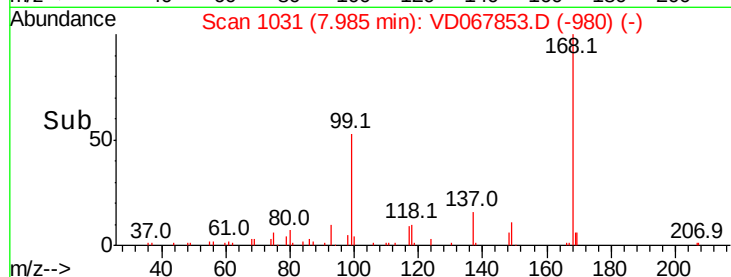
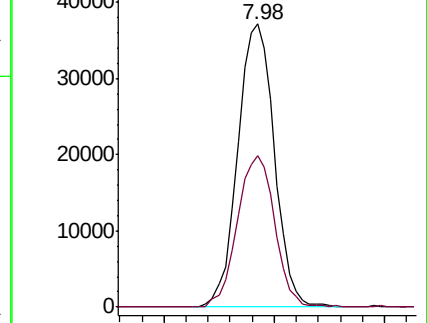
168 100

99 53.4 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 1.518 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067853.D

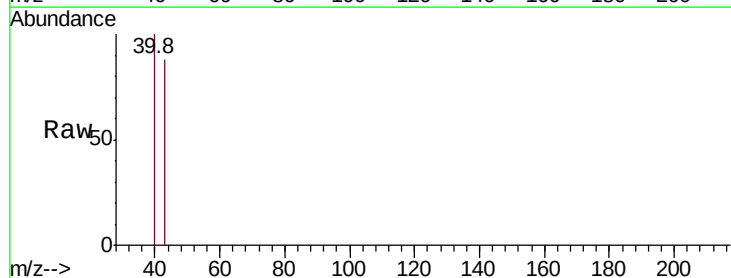
Acq: 02 Dec 2020 23:13

Tgt Ion: 43 Resp: 174

Ion Ratio Lower Upper

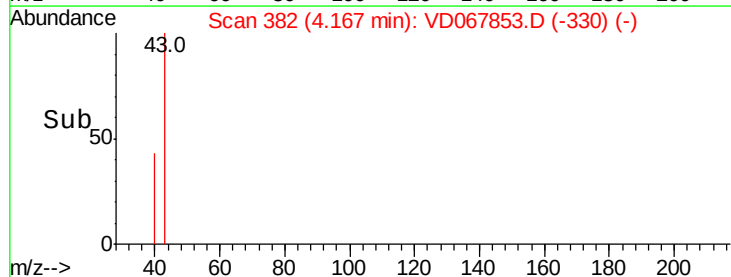
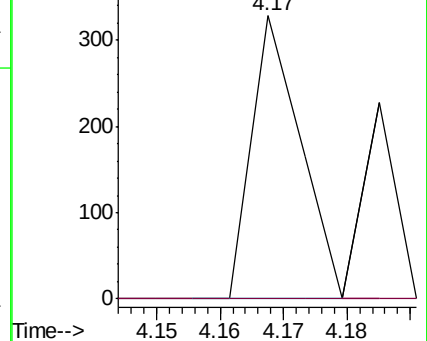
43 100

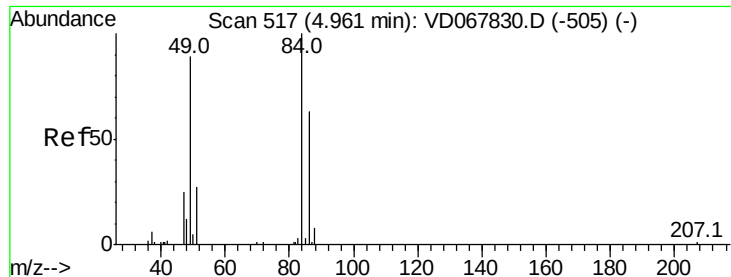
58 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

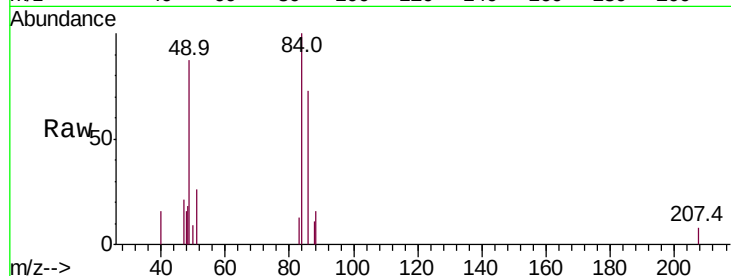




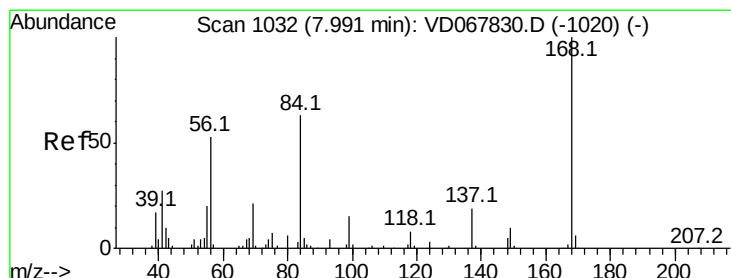
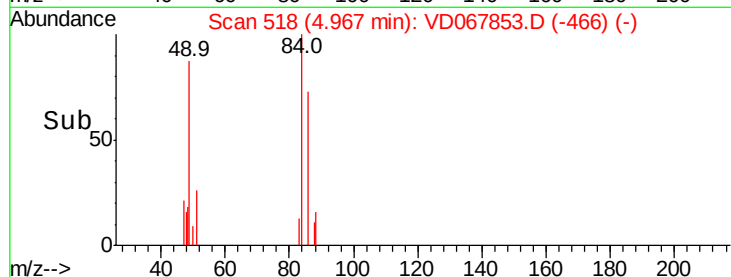
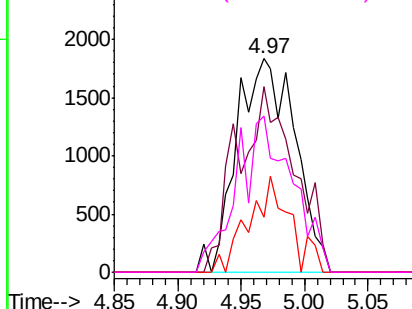
#20
Methylene Chloride
Concen: 4.178 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067853.D
Acq: 02 Dec 2020 23:13

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

Tot Ion: 84 Resp: 5896
Ion Ratio Lower Upper
84 100
49 87.0 71.4 107.0
51 25.6 21.8 32.8
86 73.2 50.6 75.8

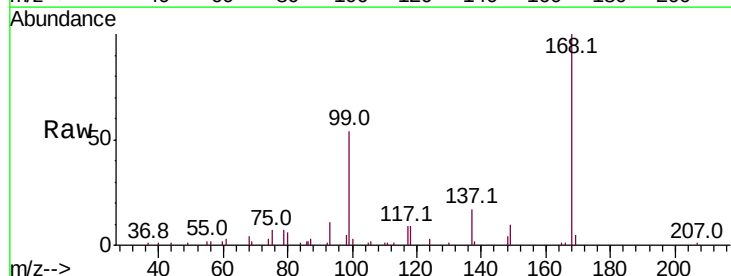


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

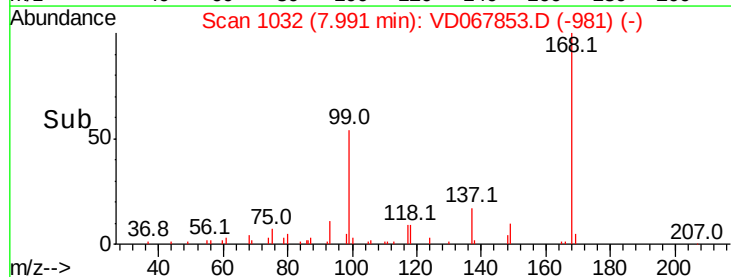
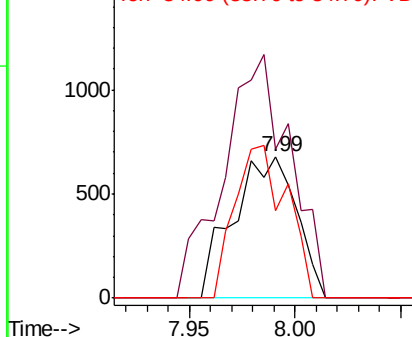


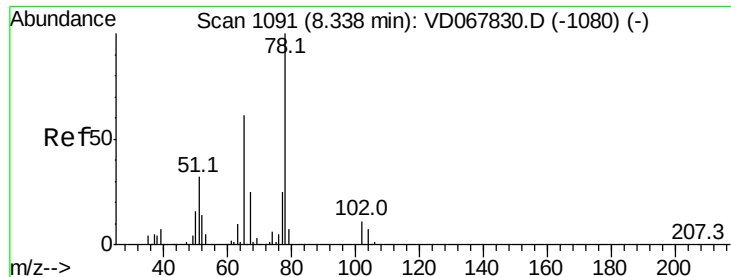
#31
Cyclohexane
Concen: 1.458 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VD067853.D
Acq: 02 Dec 2020 23:13

Tgt Ion: 56 Resp: 1425
Ion Ratio Lower Upper
56 100
69 105.7 32.1 48.1#
84 61.6 93.2 139.8#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

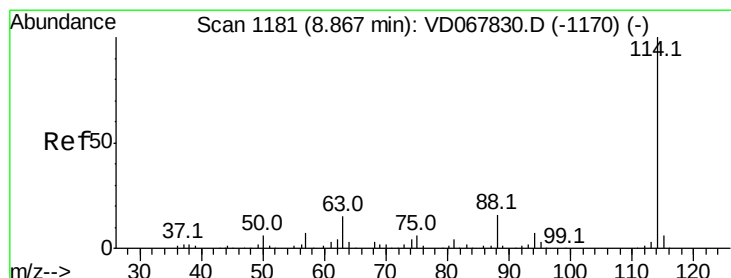
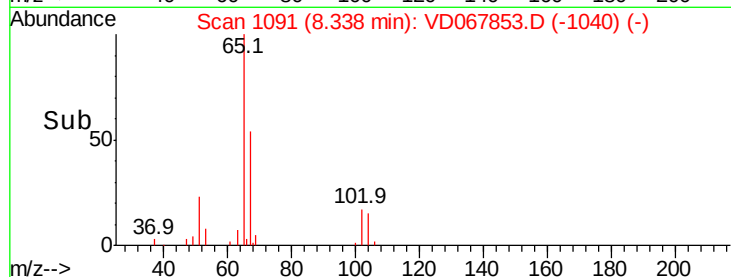
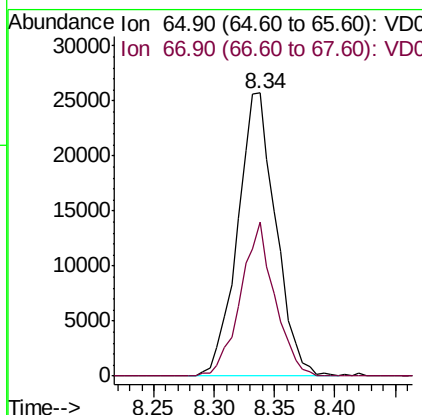
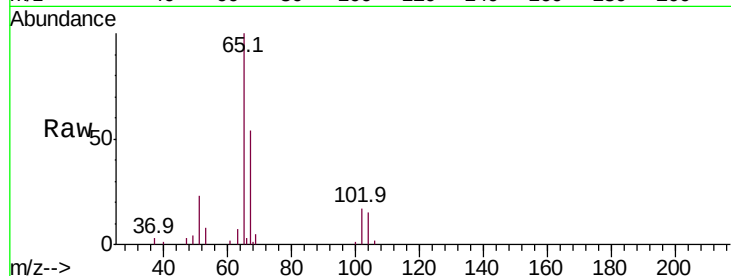




#33
 1,2-Dichloroethane-d4
 Concen: 60.964 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067853.D
 Acq: 02 Dec 2020 23:13

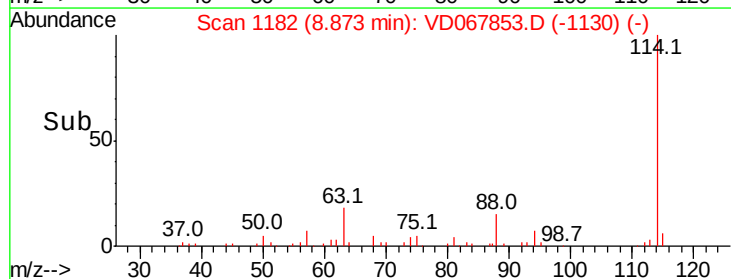
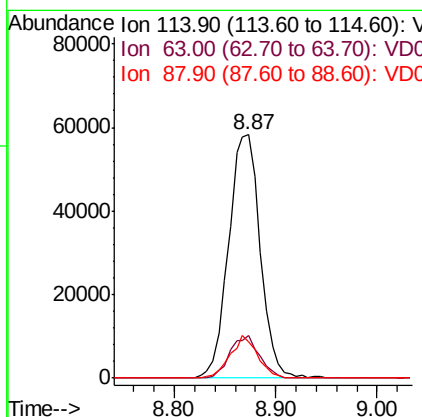
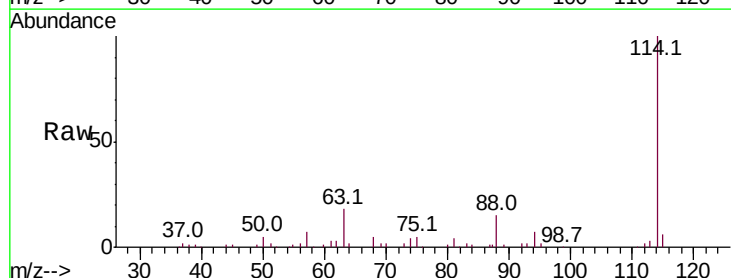
Instrument :
 MSVOA_D
 ClientSampleId :
 ROCK-HILL-SLOPE-EMBANKMENT-

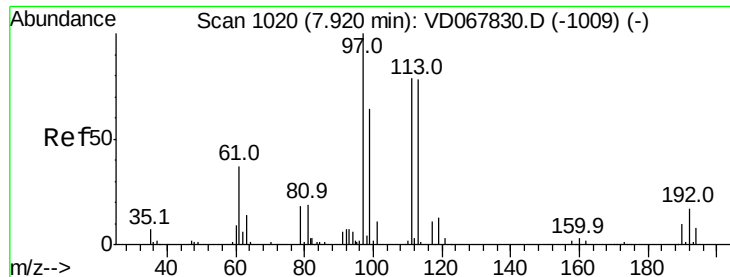
Tot Ion: 65 Resp: 56541
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067853.D
 Acq: 02 Dec 2020 23:13

Tgt Ion: 114 Resp: 125907
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 30.8
 88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.188 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067853.D

Acq: 02 Dec 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

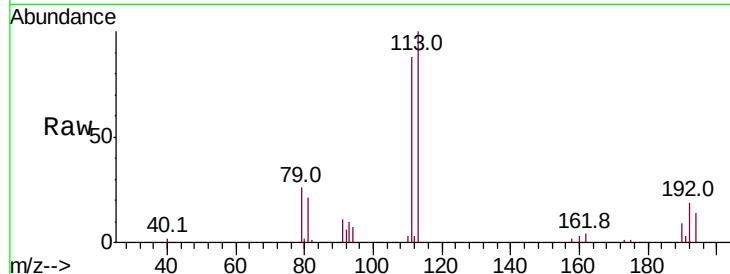
Tot Ion:113 Resp: 42283

Ion Ratio Lower Upper

113 100

111 98.6 81.2 121.8

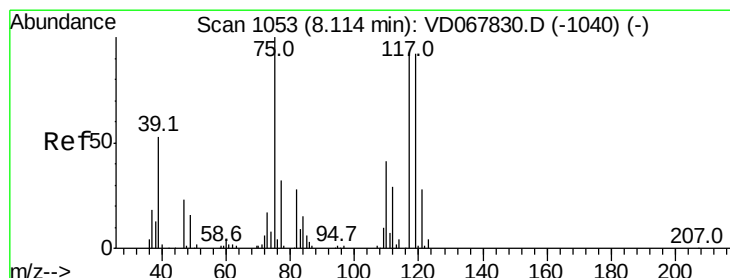
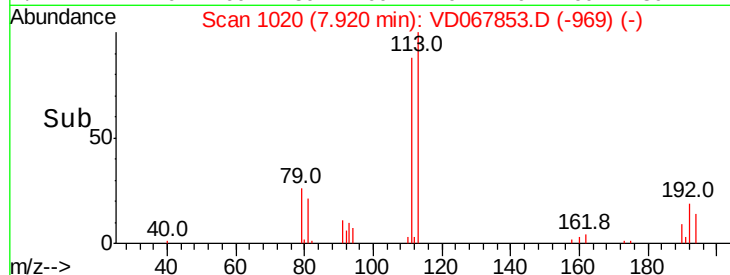
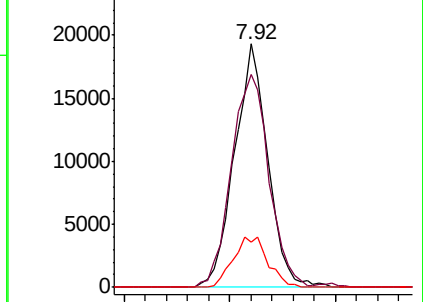
192 21.4 16.8 25.2



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



#36

1,1-Dichloropropene

Concen: 5.627 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067853.D

Acq: 02 Dec 2020 23:13

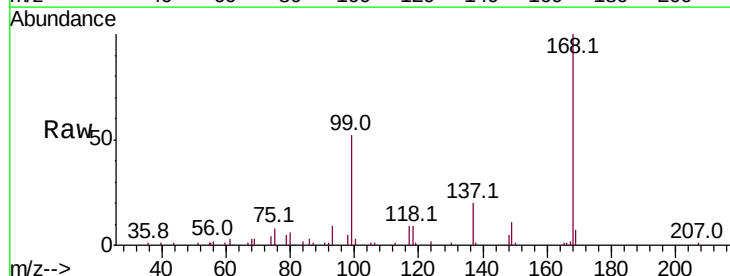
Tgt Ion: 75 Resp: 6133

Ion Ratio Lower Upper

75 100

110 10.7 20.3 61.0#

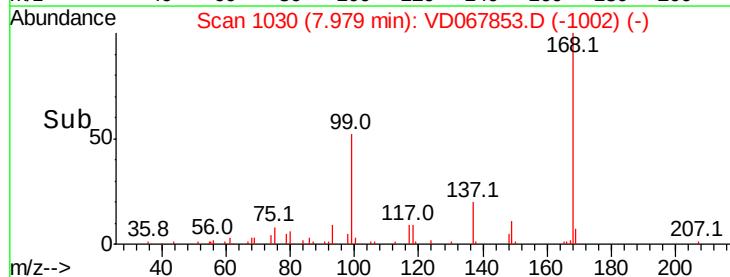
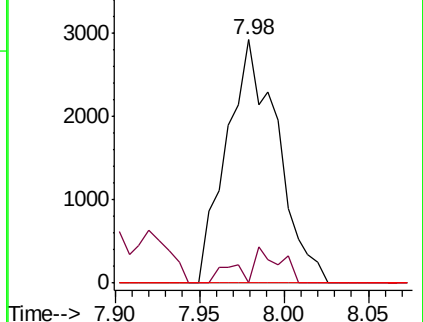
77 0.0 24.7 37.1#

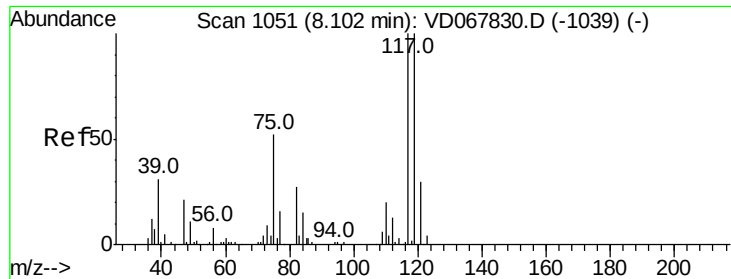


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.922 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.13 min

Lab File: VD067853.D

Acq: 02 Dec 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

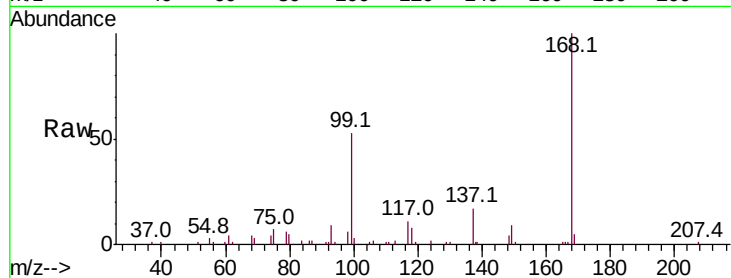
Tot Ion:117 Resp: 8117

Ion Ratio Lower Upper

117 100

119 5.6 79.7 119.5#

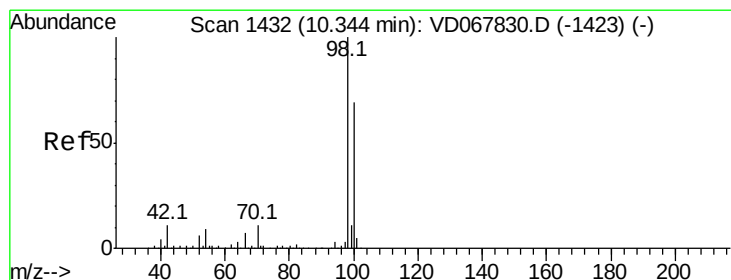
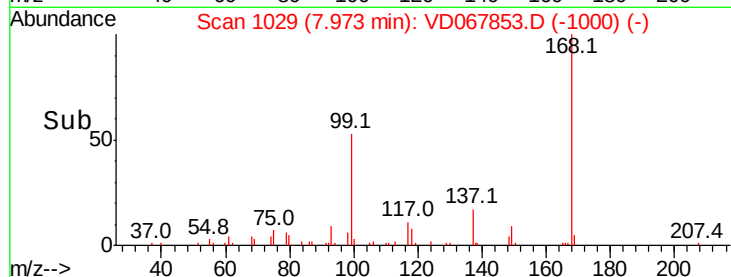
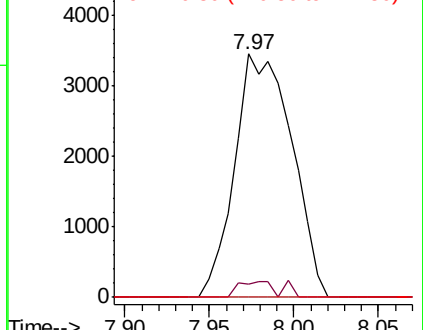
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.258 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067853.D

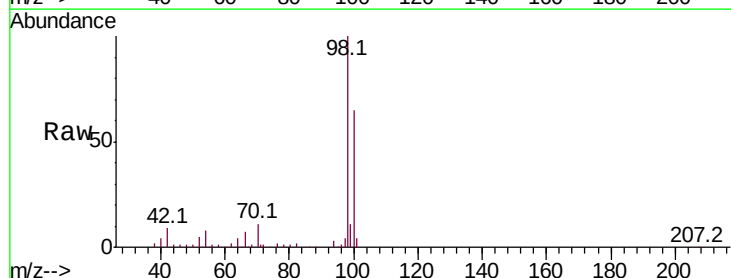
Acq: 02 Dec 2020 23:13

Tgt Ion: 98 Resp: 143325

Ion Ratio Lower Upper

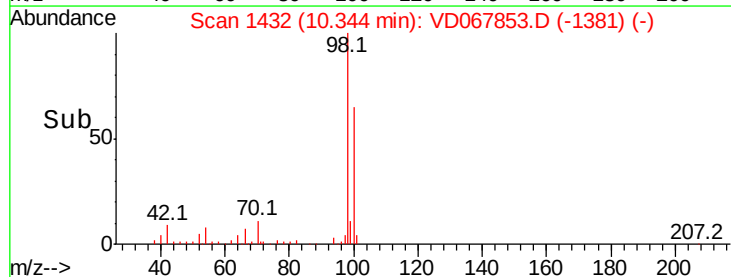
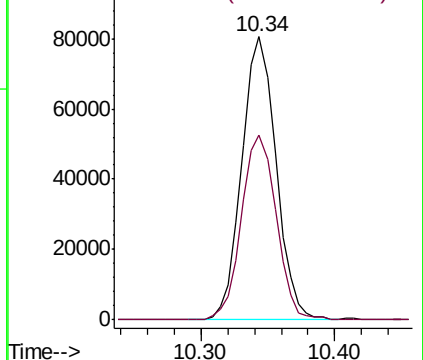
98 100

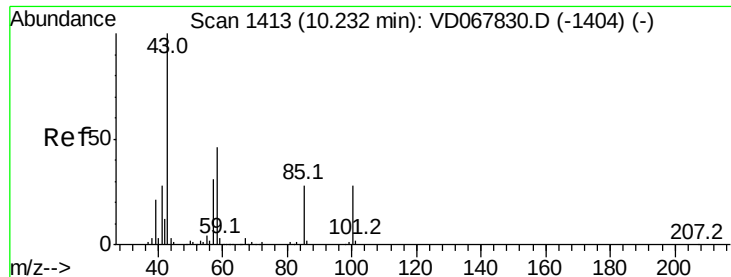
100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.140 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD067853.D

Acq: 02 Dec 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

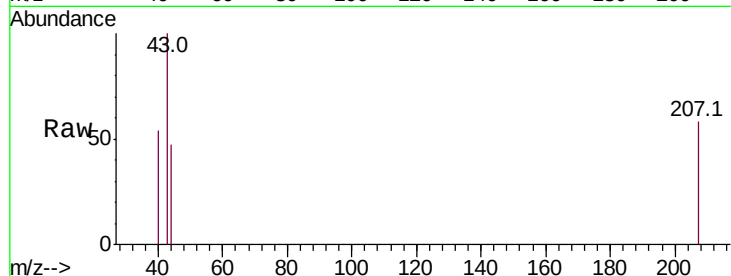
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion: 43 Resp: 312

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

400

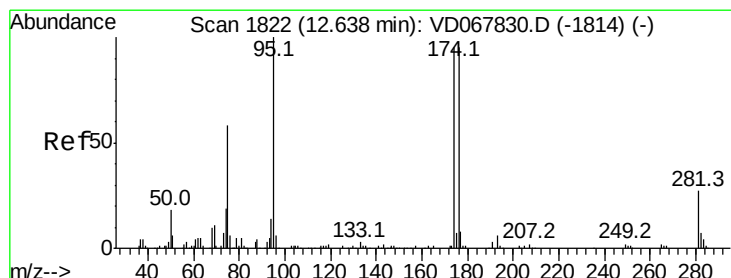
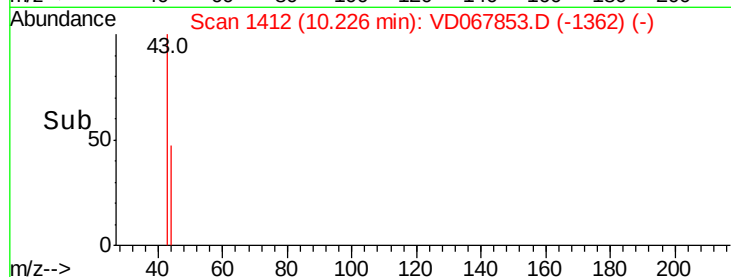
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.528 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067853.D

Acq: 02 Dec 2020 23:13

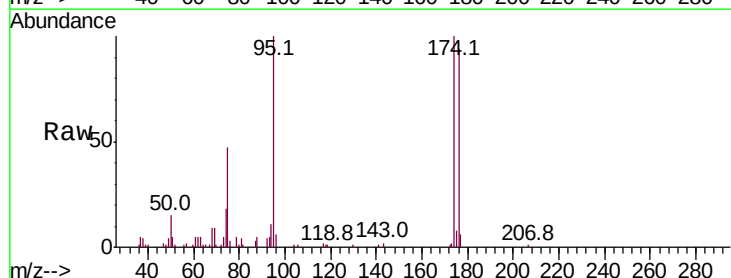
Tgt Ion: 95 Resp: 49835

Ion Ratio Lower Upper

95 100

174 96.3 0.0 186.0

176 94.7 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

40000

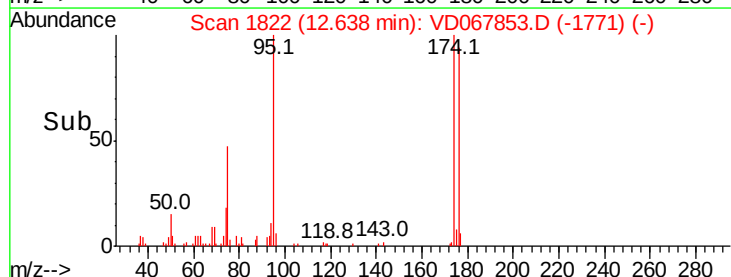
30000

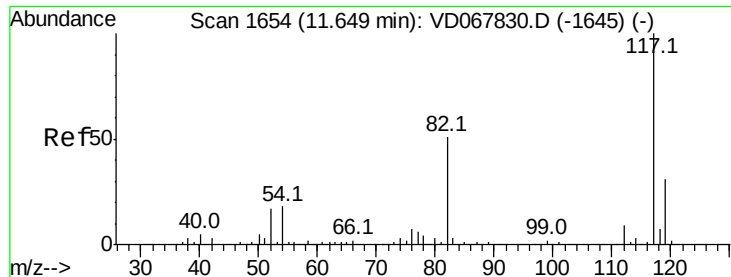
20000

10000

0

Time-->

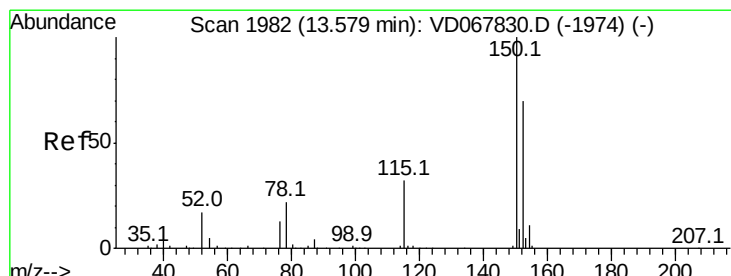
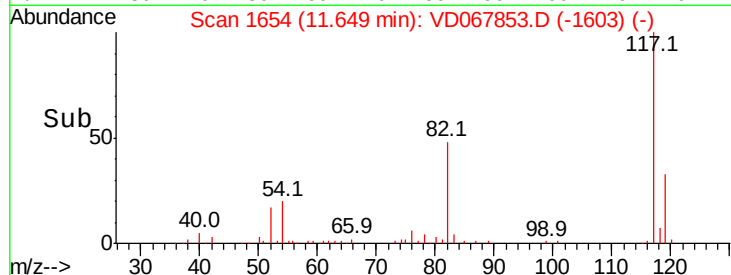
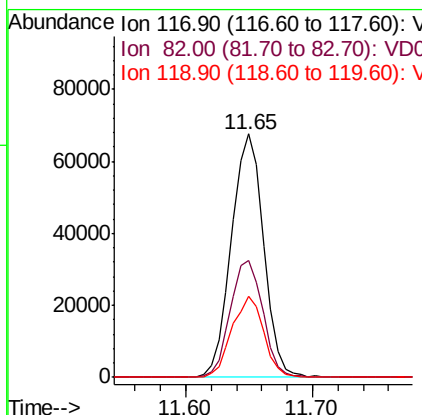
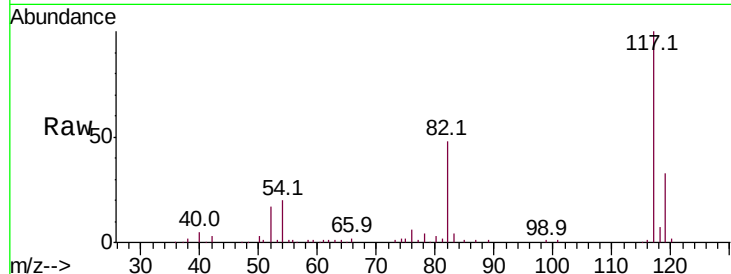




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067853.D
Acq: 02 Dec 2020 23:13

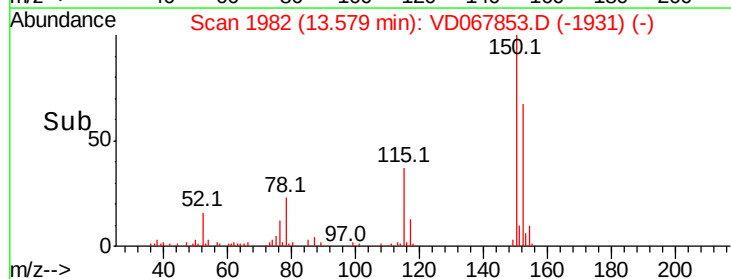
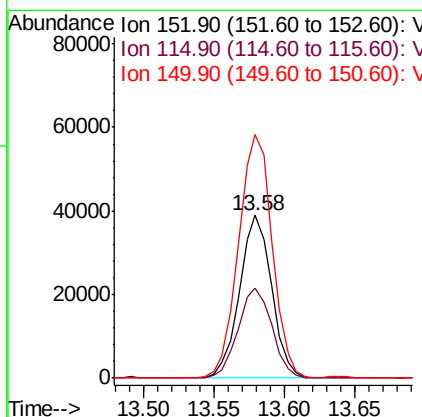
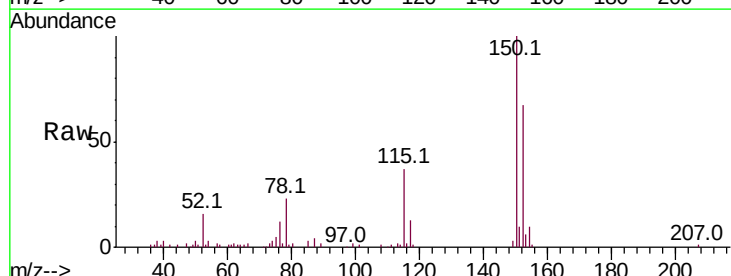
Instrument :
MSVOA_D
ClientSampleId :
ROCK-HILL-SLOPE-EMBANKMENT-

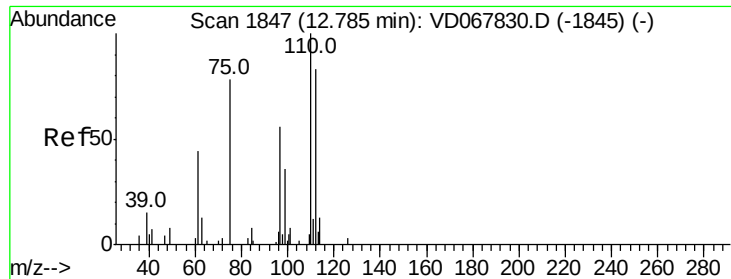
Tot Ion:117 Resp: 118830
Ion Ratio Lower Upper
117 100
82 48.2 40.6 60.8
119 33.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067853.D
Acq: 02 Dec 2020 23:13

Tgt Ion:152 Resp: 62152
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.4
150 156.6 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 58.275 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067853.D

Acq: 02 Dec 2020 23:13

Instrument :

MSVOA_D

ClientSampleId :

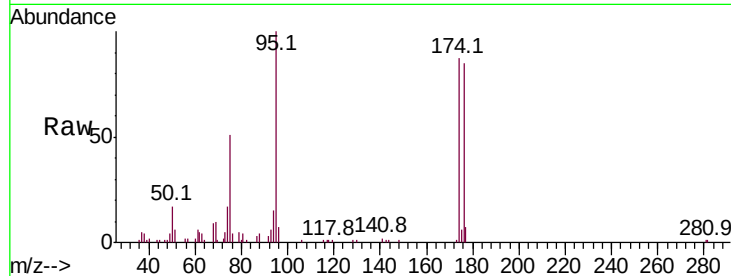
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion: 75 Resp: 26376

Ion Ratio Lower Upper

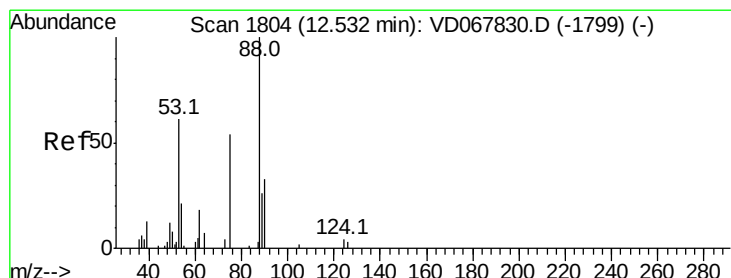
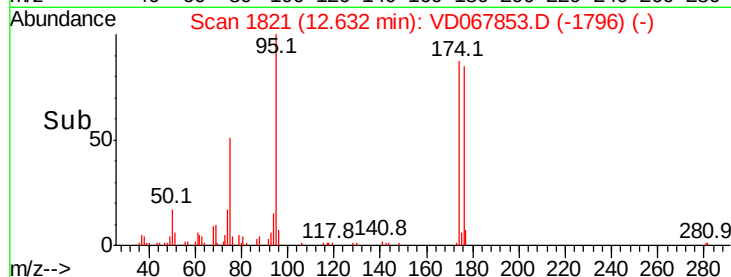
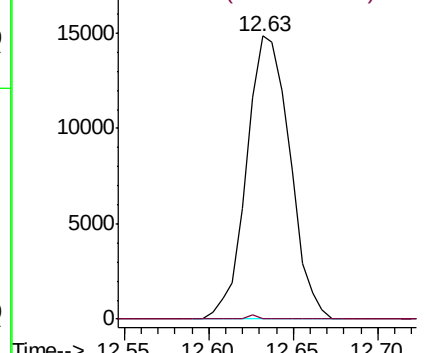
75 100

77 0.3 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 139.400 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD067853.D

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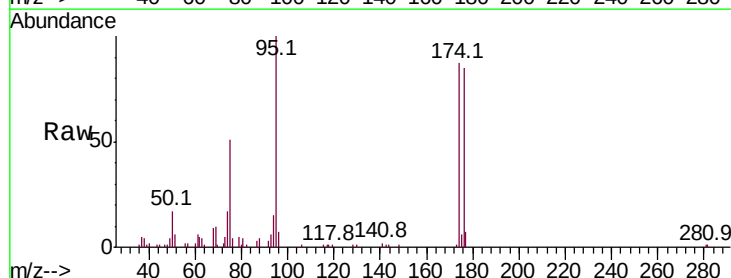
Tgt Ion: 75 Resp: 26376

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

