

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067840.D
 Acq On : 02 Dec 2020 17:21
 Operator : VA/SY
 Sample : L4909-02
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 03 00:35:40 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	41240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	57809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	55124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	28627	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.33	65	27843	62.89	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.78%	
35) Dibromofluoromethane		7.93	113	18092	46.77	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.54%	
50) Toluene-d8		10.34	98	65002	46.68	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.36%	
62) 4-Bromofluorobenzene		12.64	95	22664	47.08	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.16%	

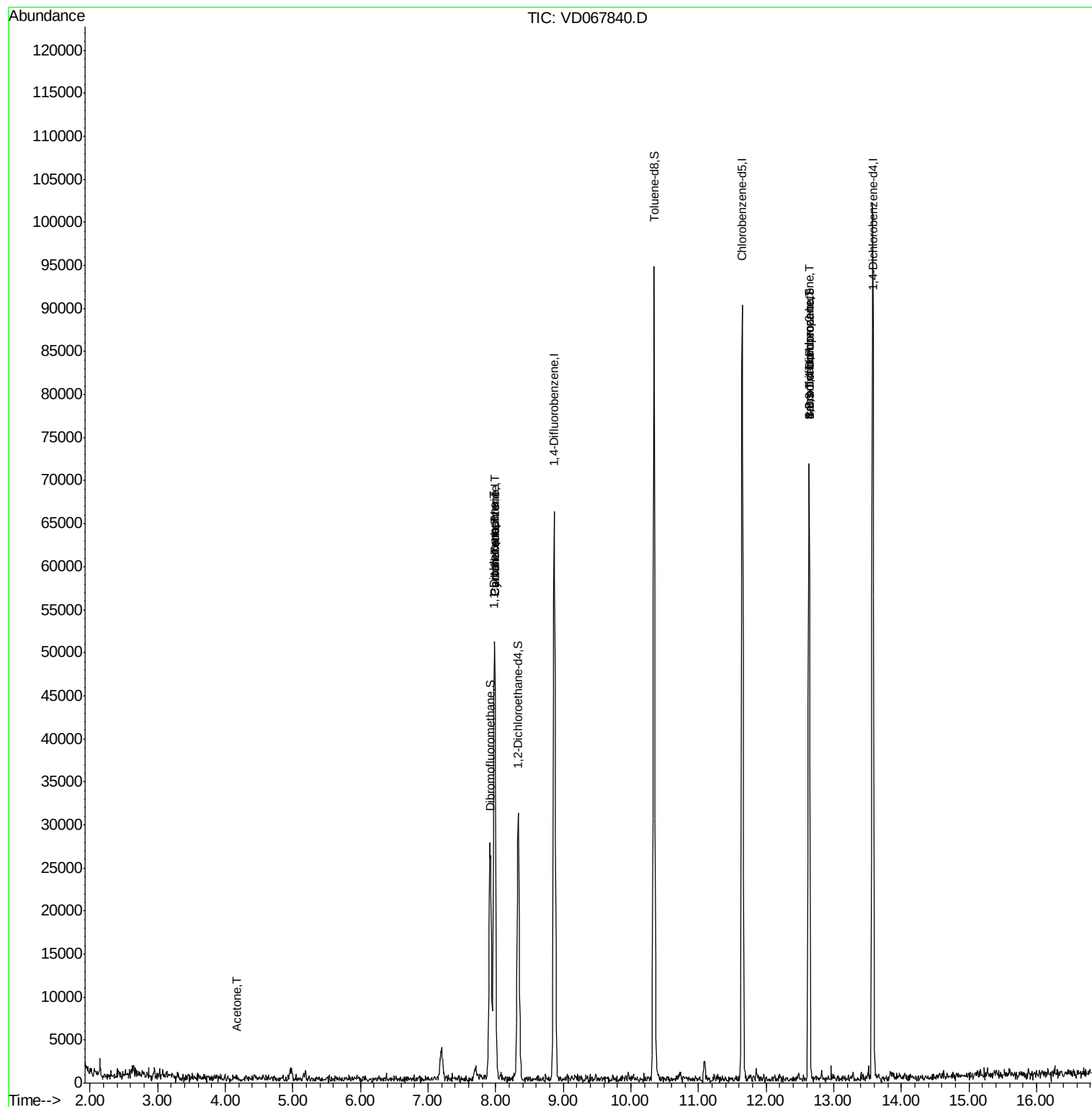
Target Compounds		R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol		5.19	59	237	Below Cal	#	74
16) Acetone		4.17	43	102	1.864	ug/l #	47
20) Methylene Chloride		4.96	84	516	Below Cal	#	35
31) Cyclohexane		7.99	56	622	1.333	ug/l #	48
36) 1,1-Dichloropropene		7.97	75	2972	5.939	ug/l #	39
38) Carbon Tetrachloride		7.98	117	4308	5.689	ug/l #	16
71) Bromoform		12.64	173	274	1.116	ug/l #	30
76) 1,2,3-Trichloropropane		12.64	75	11157	53.518	ug/l #	1
81) trans-1,4-Dichloro-2-buten		12.64	75	11157	128.021	ug/l #	7

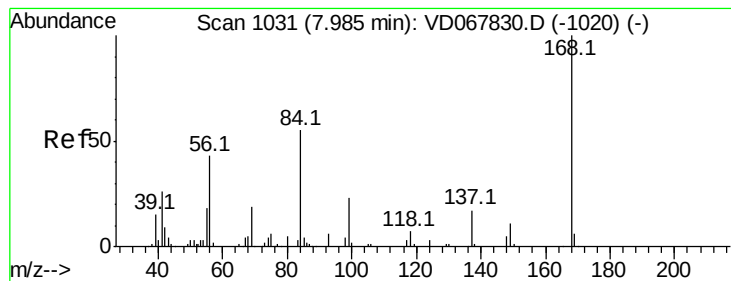
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ROCK-HILL-SLOPE-EMBANKMENT-

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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: VD067840.D

Acq: 02 Dec 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

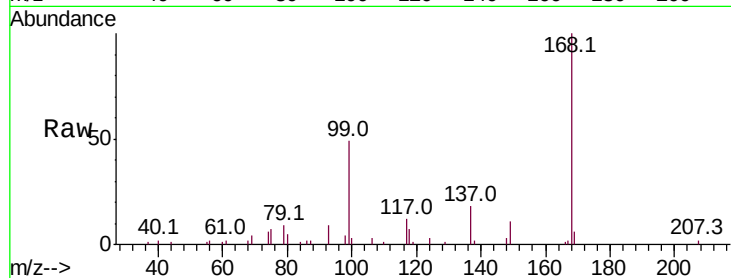
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion:168 Resp: 41240

Ion Ratio Lower Upper

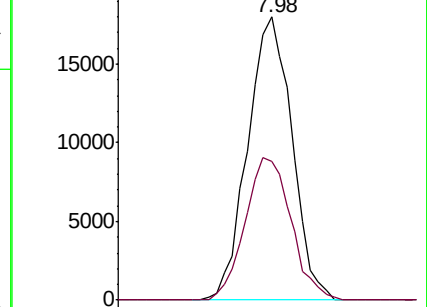
168 100

99 49.0 47.1 70.7

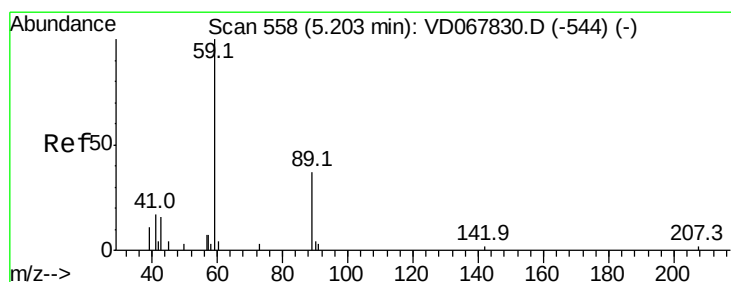
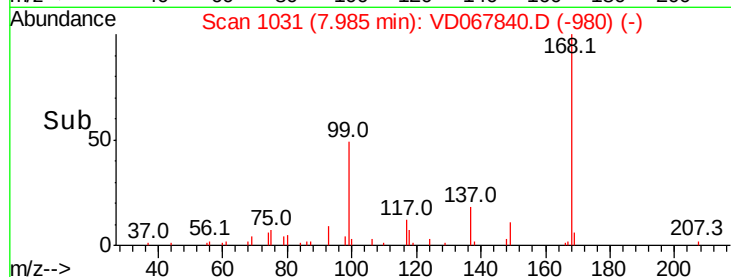


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD067840.D

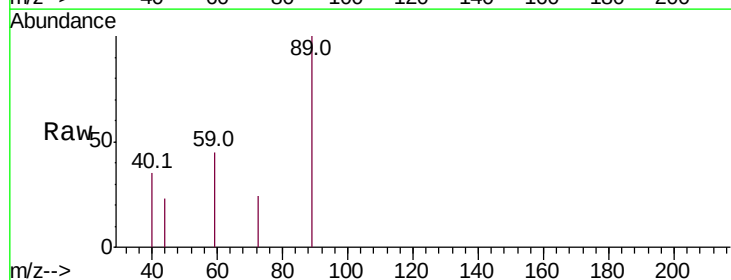
Acq: 02 Dec 2020 17:21

Tgt Ion: 59 Resp: 237

Ion Ratio Lower Upper

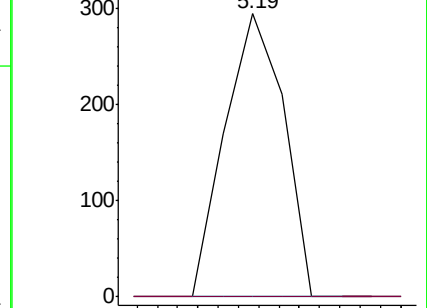
59 100

57 0.0 7.7 11.5#

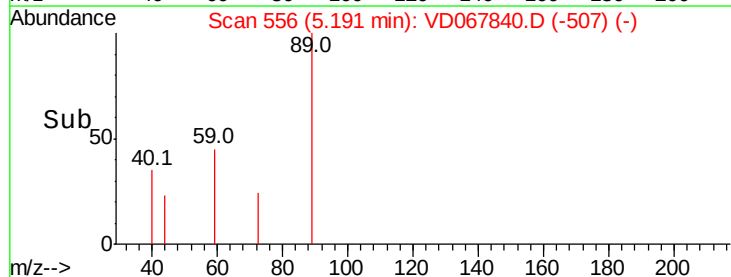


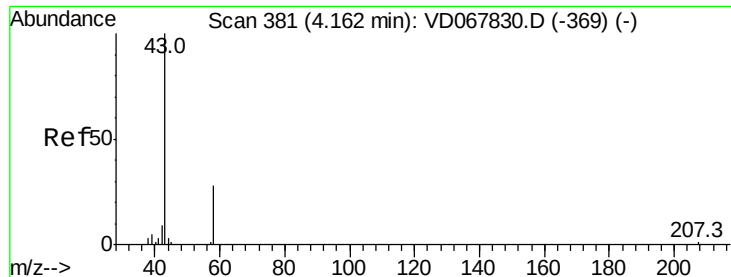
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 1.864 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD067840.D

Acq: 02 Dec 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

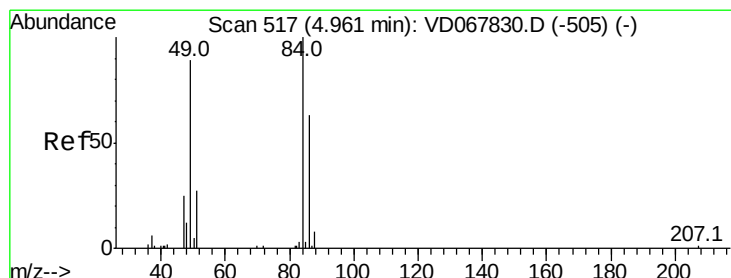
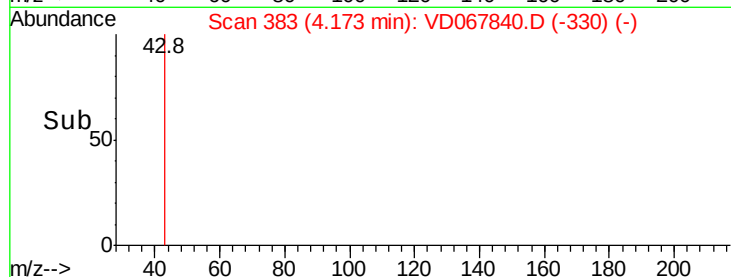
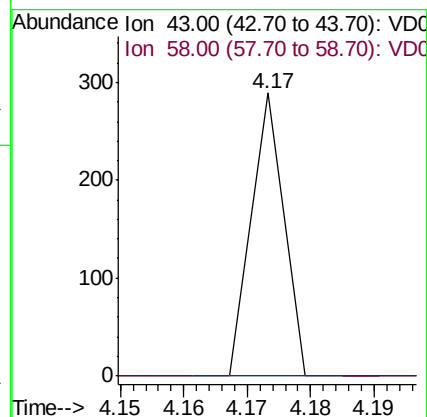
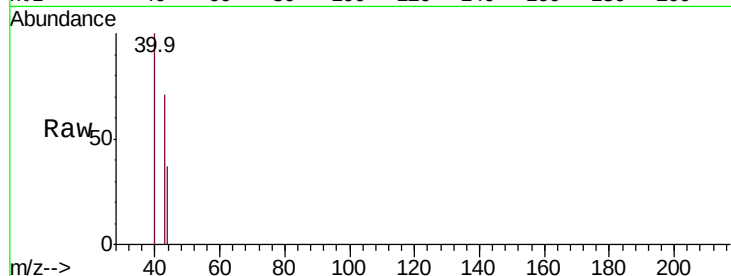
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion: 43 Resp: 102

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067840.D

Acq: 02 Dec 2020 17:21

Tgt Ion: 84 Resp: 516

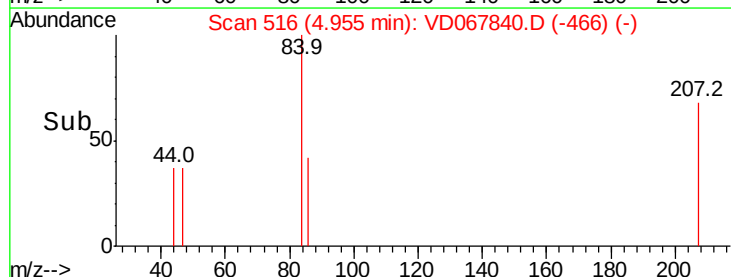
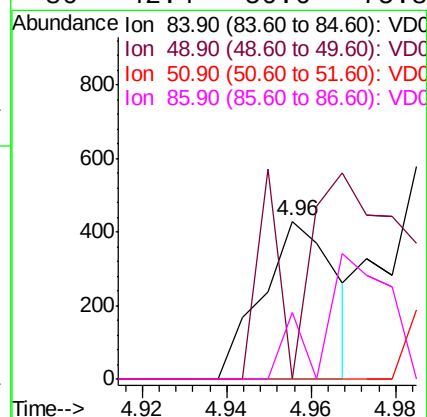
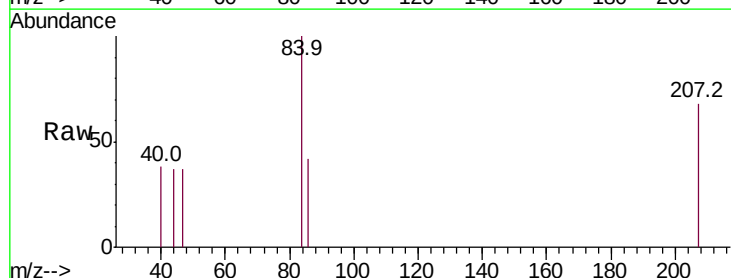
Ion Ratio Lower Upper

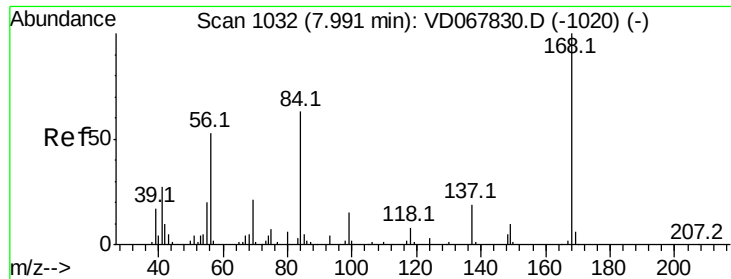
84 100

49 0.0 71.4 107.0#

51 0.0 21.8 32.8#

86 42.4 50.6 75.8#

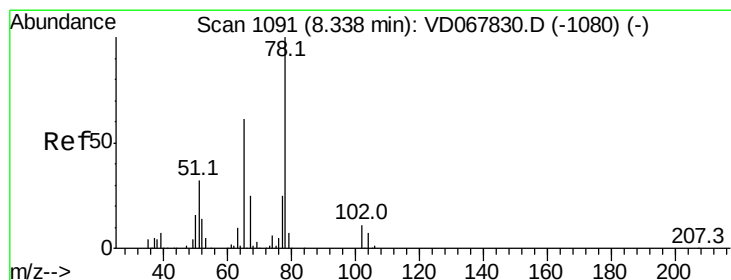
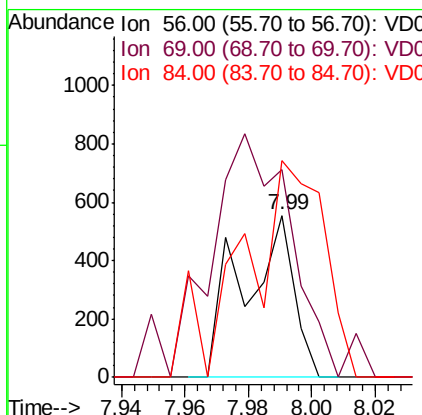
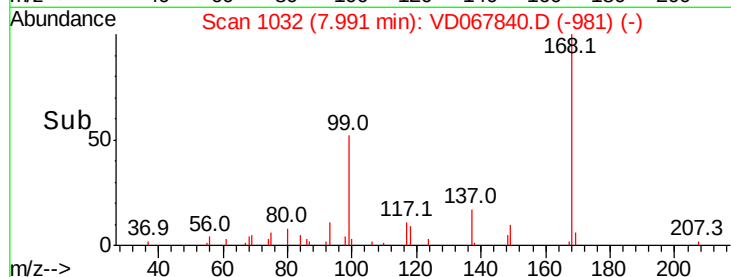
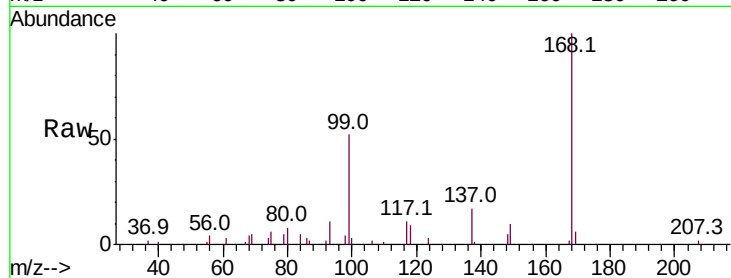




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VD067840.D
Acq: 02 Dec 2020 17:21

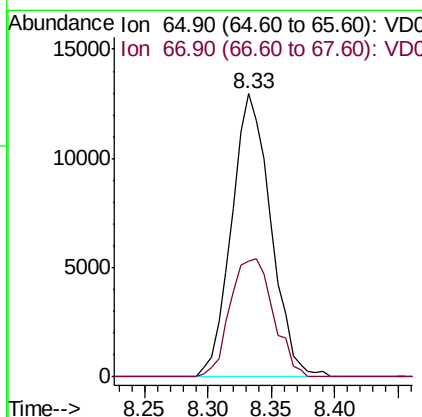
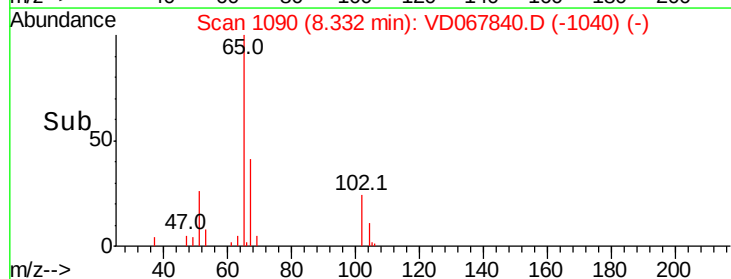
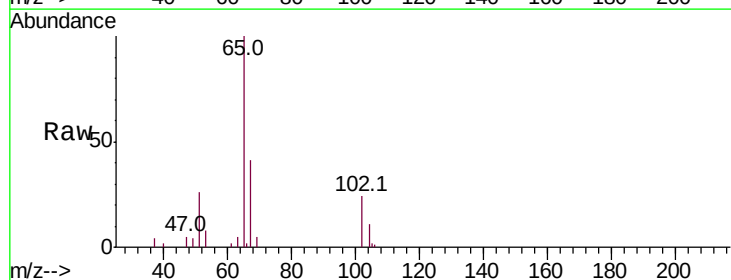
Instrument :
MSVOA_D
ClientSampleId :
ROCK-HILL-SLOPE-EMBANKMENT-

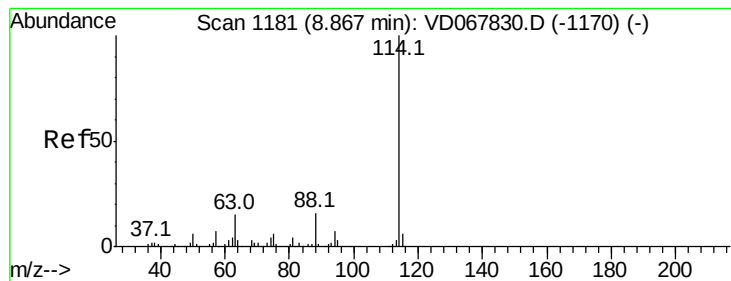
Tot Ion: 56 Resp: 622
Ion Ratio Lower Upper
56 100
69 128.9 32.1 48.1#
84 94.4 93.2 139.8



#33
1,2-Dichloroethane-d4
Concen: 62.890 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067840.D
Acq: 02 Dec 2020 17:21

Tgt Ion: 65 Resp: 27843
Ion Ratio Lower Upper
65 100
67 46.0 0.0 92.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067840.D

Acq: 02 Dec 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

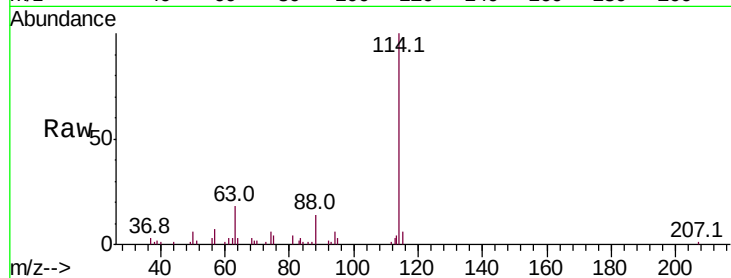
Tot Ion:114 Resp: 57809

Ion Ratio Lower Upper

114 100

63 17.7 0.0 30.8

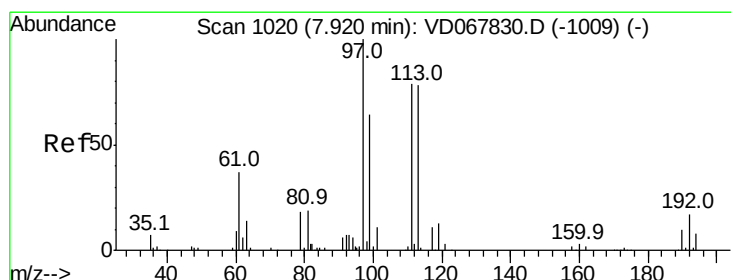
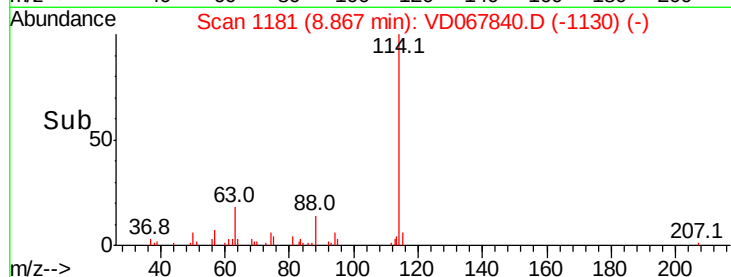
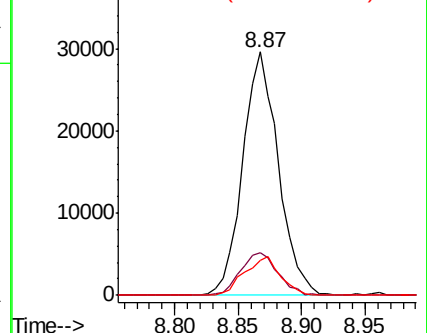
88 14.2 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 46.770 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD067840.D

Acq: 02 Dec 2020 17:21

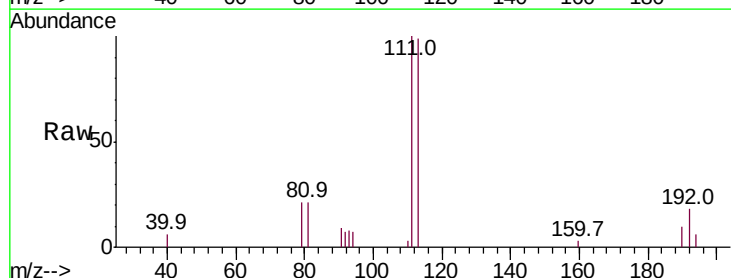
Tgt Ion:113 Resp: 18092

Ion Ratio Lower Upper

113 100

111 112.1 81.2 121.8

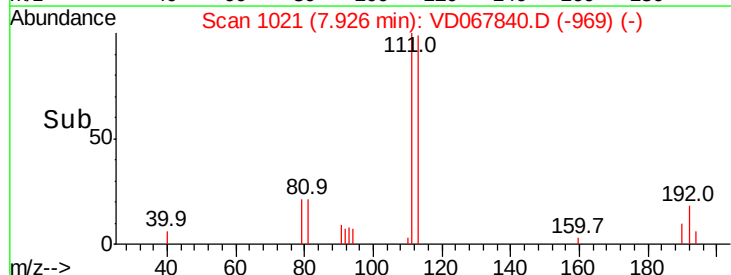
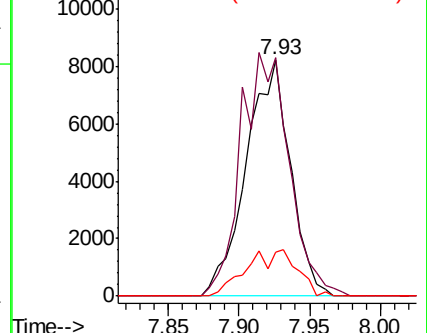
192 11.0 16.8 25.2#

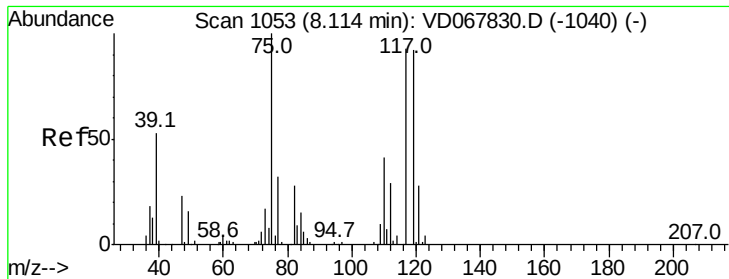


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.939 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD067840.D

Acq: 02 Dec 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

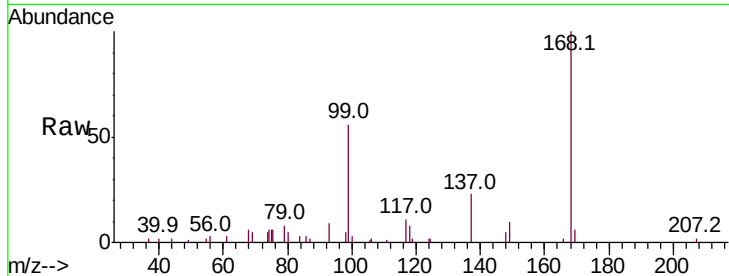
Tot Ion: 75 Resp: 2972

Ion Ratio Lower Upper

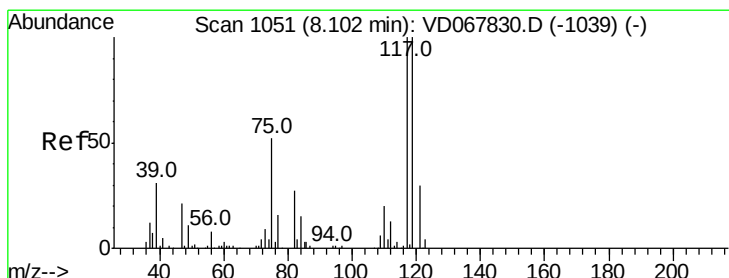
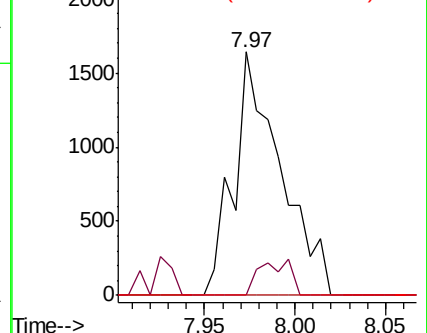
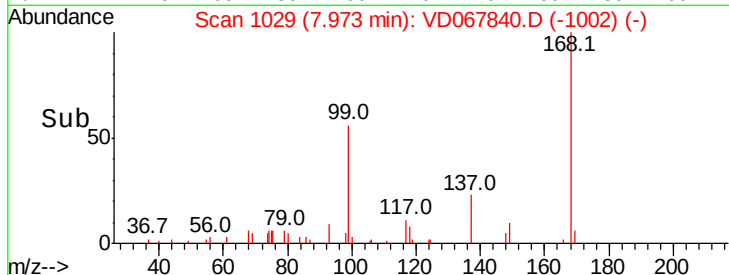
75 100

110 0.0 20.3 61.0#

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VD067840.D (-1002) (-)



#38

Carbon Tetrachloride

Concen: 5.689 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067840.D

Acq: 02 Dec 2020 17:21

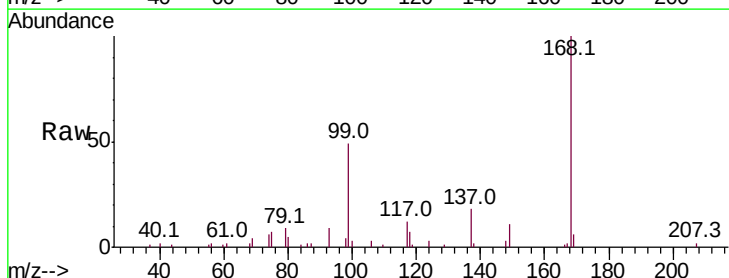
Tgt Ion: 117 Resp: 4308

Ion Ratio Lower Upper

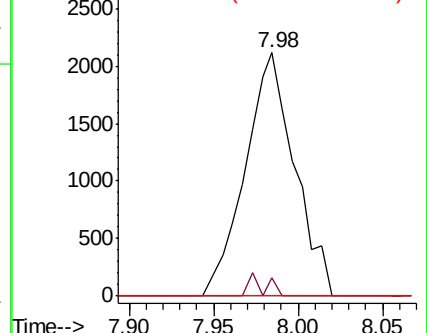
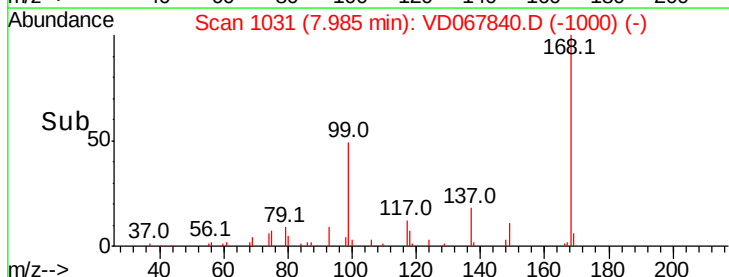
117 100

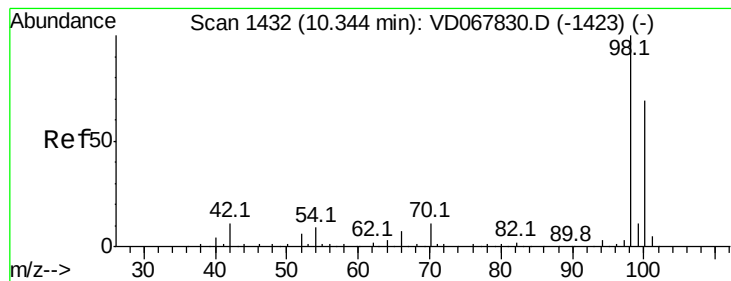
119 7.6 79.7 119.5#

121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): VD067840.D (-1000) (-)





#50

Toluene-d8

Concen: 46.680 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067840.D

Acq: 02 Dec 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

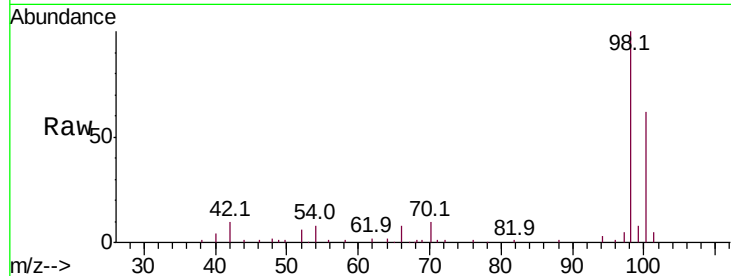
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion: 98 Resp: 65002

Ion Ratio Lower Upper

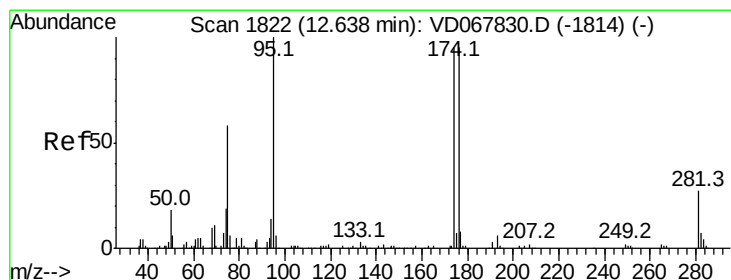
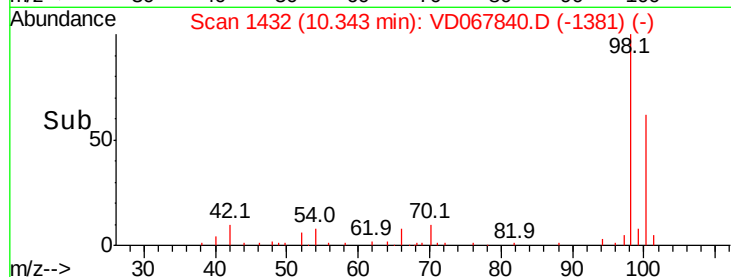
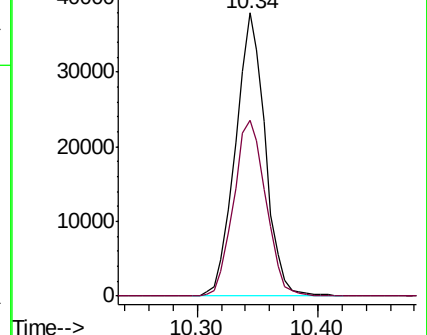
98 100

100 67.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VD067830.D (-1423) (-)

Ion 100.00 (99.70 to 100.70): VD067830.D (-1423) (-)



#62

4-Bromofluorobenzene

Concen: 47.077 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067840.D

Acq: 02 Dec 2020 17:21

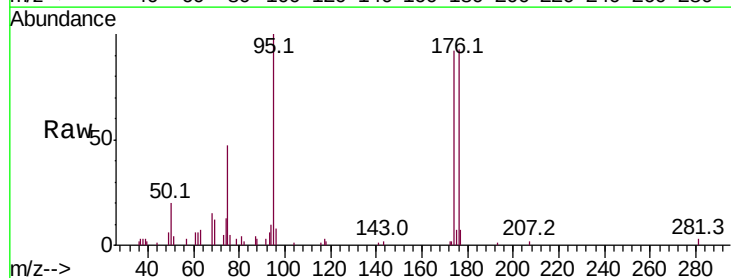
Tgt Ion: 95 Resp: 22664

Ion Ratio Lower Upper

95 100

174 94.3 0.0 186.0

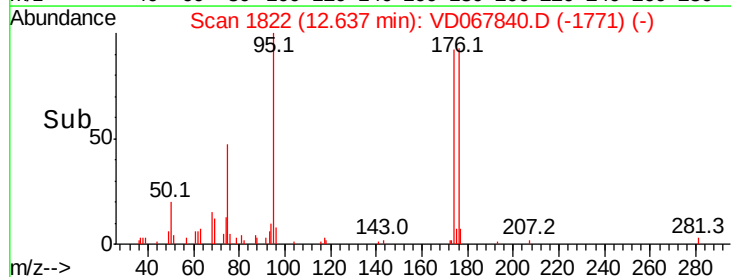
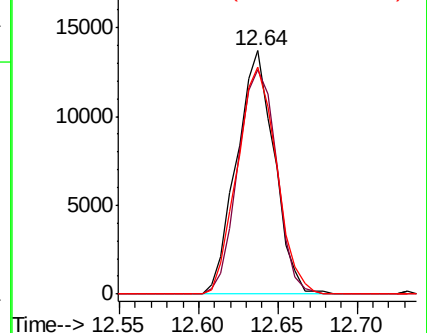
176 97.2 0.0 184.2

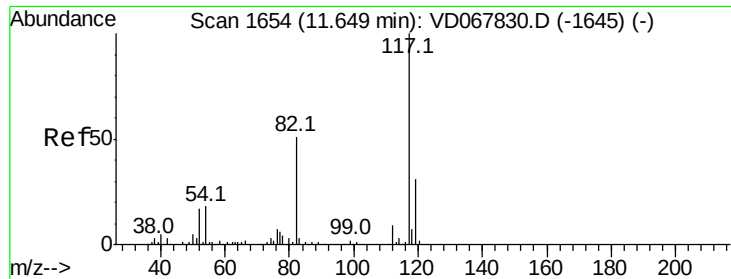


Abundance Ion 94.90 (94.60 to 95.60): VD067830.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD067830.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD067830.D (-1814) (-)

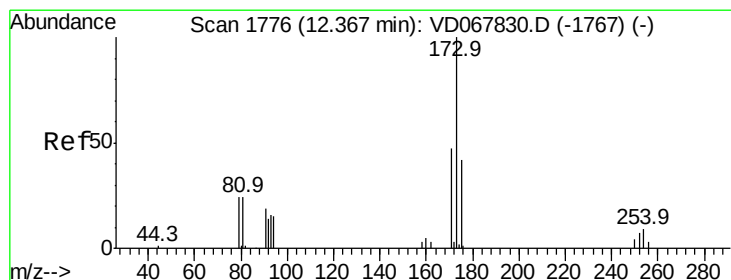
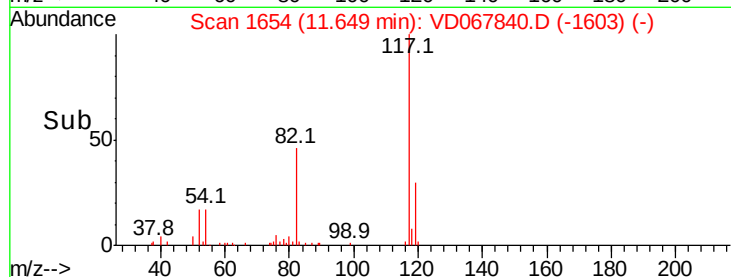
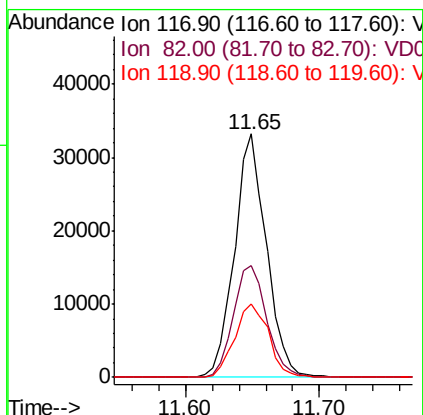
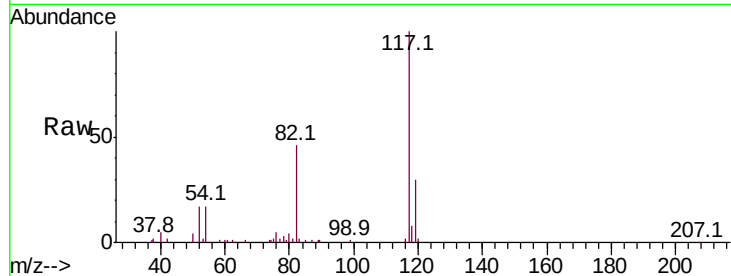




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067840.D
Acq: 02 Dec 2020 17:21

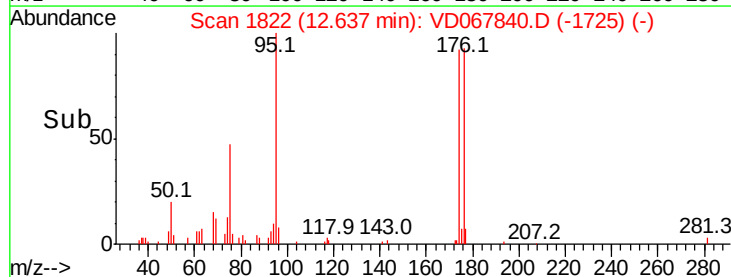
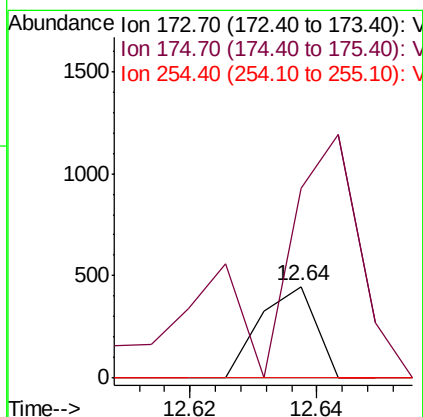
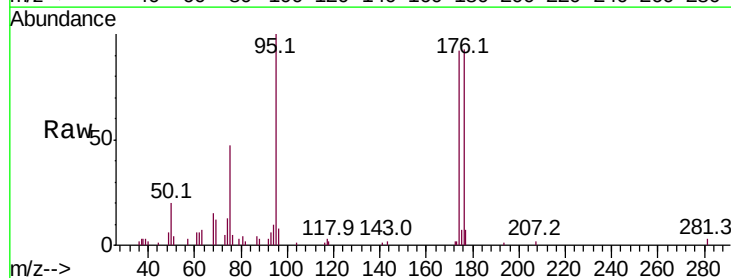
Instrument :
MSVOA_D
ClientSampleId :
ROCK-HILL-SLOPE-EMBANKMENT-

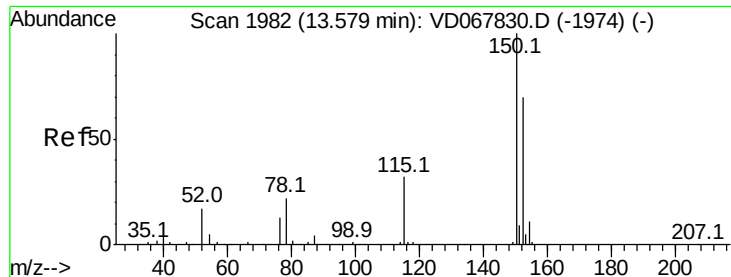
Tot Ion:117 Resp: 55124
Ion Ratio Lower Upper
117 100
82 46.1 40.6 60.8
119 30.3 25.1 37.7



#71
Bromoform
Concen: 1.116 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD067840.D
Acq: 02 Dec 2020 17:21

Tgt Ion:173 Resp: 274
Ion Ratio Lower Upper
173 100
175 0.0 23.4 70.3#
254 0.0 0.1 0.1#



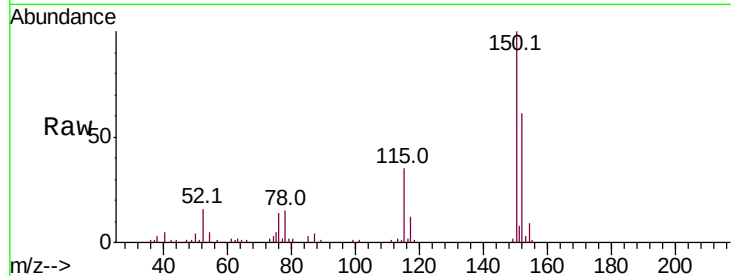


#72

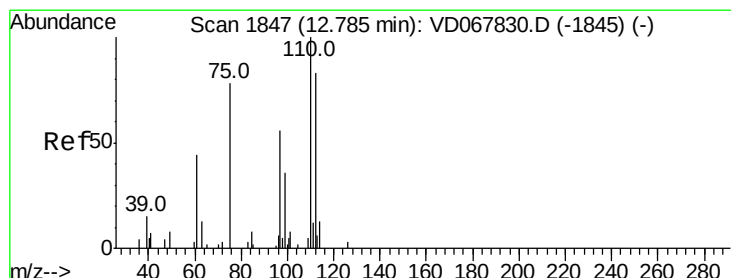
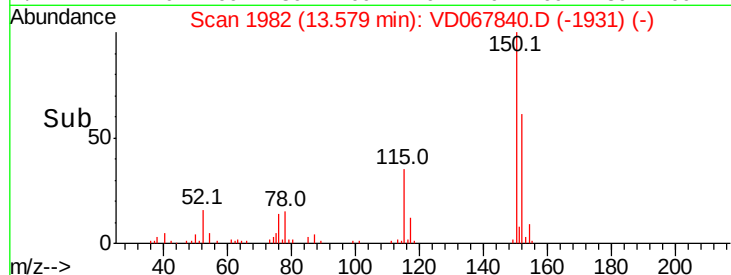
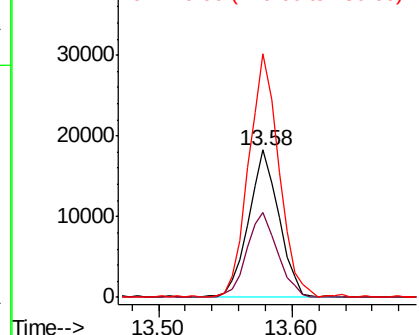
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067840.D
Acq: 02 Dec 2020 17:21

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

Tot Ion:152 Resp: 28627
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.4
150 164.5 0.0 339.0



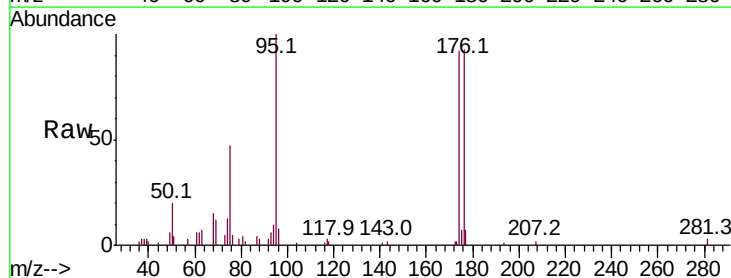
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



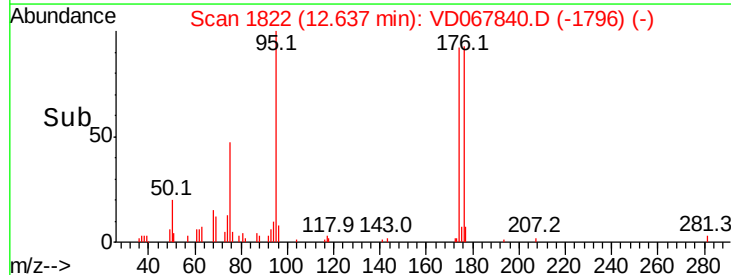
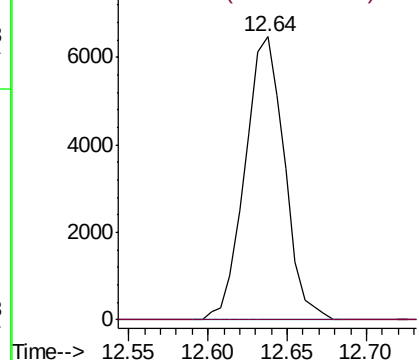
#76

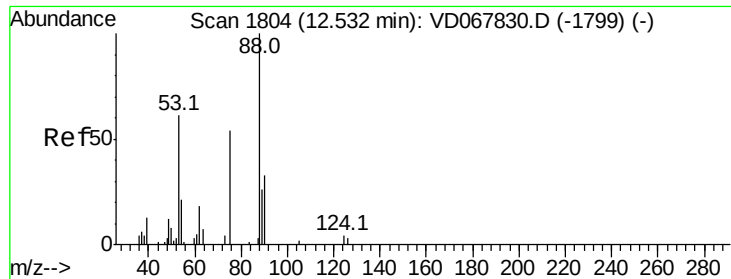
1,2,3-Trichloropropane
Concen: 53.518 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067840.D
Acq: 02 Dec 2020 17:21

Tgt Ion: 75 Resp: 11157
Ion Ratio Lower Upper
75 100
77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 128.021 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067840.D

Acq: 02 Dec 2020 17:21

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion: 75 Resp: 11157

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.0 41.0 61.6#

