

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067824.D
 Acq On : 30 Nov 2020 19:43
 Operator : VA/SY
 Sample : L4909-01
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Dec 01 00:18:57 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	7.99	168	2815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	4854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	4911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	2483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	2419	88.38	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	176.76%#
35) Dibromofluoromethane	7.92	113	1323	42.83	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.66%
50) Toluene-d8	10.34	98	4727	41.85	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	83.70%
62) 4-Bromofluorobenzene	12.64	95	1709	44.27	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.54%

Target Compounds

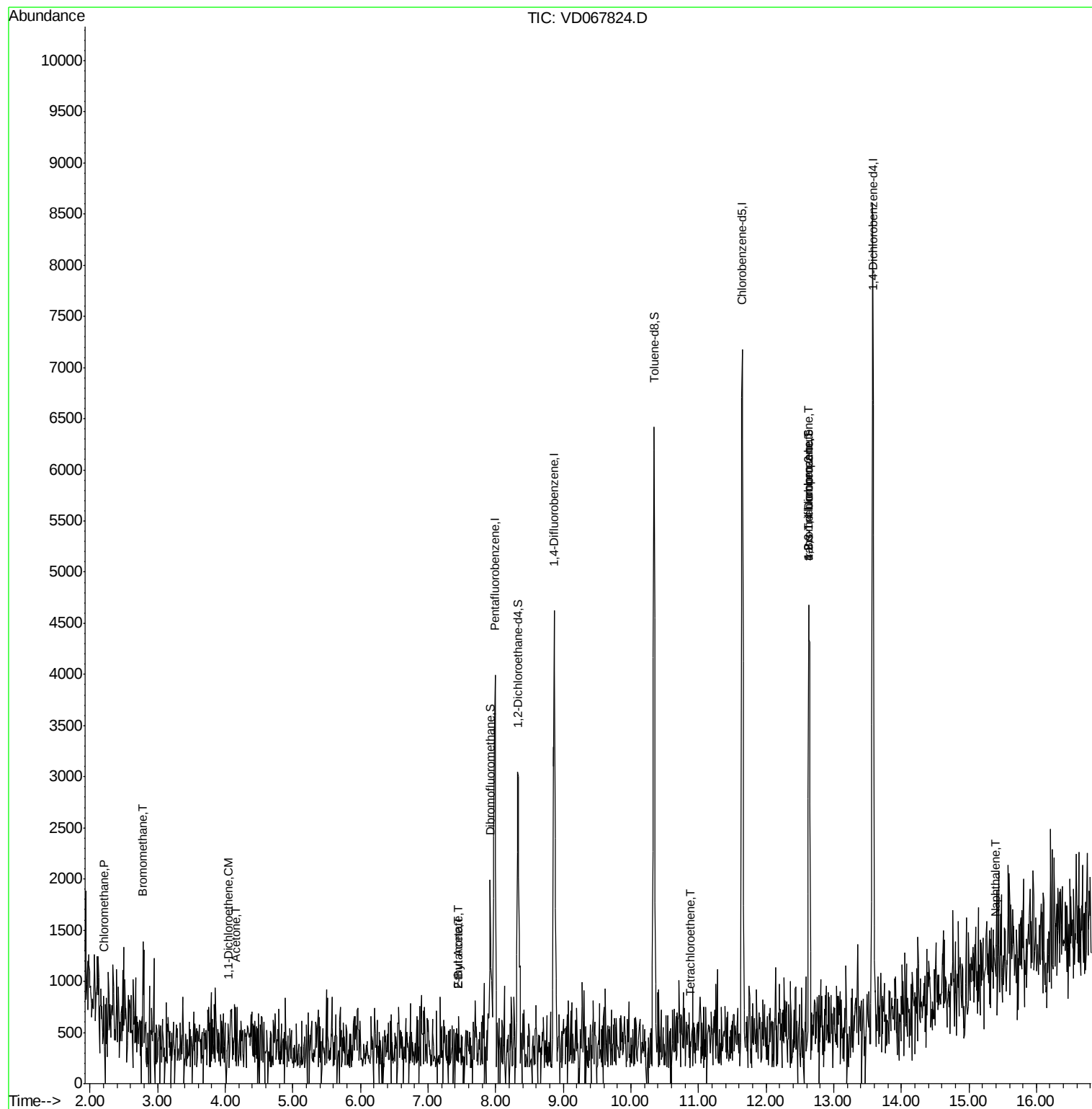
						Qvalue
3) Chloromethane	2.20	50	98	7.186	ug/l #	40
5) Bromomethane	2.79	94	418	28.709	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	76	3.289	ug/l #	1
16) Acetone	4.16	43	60	16.969	ug/l #	40
25) 2-Butanone	7.44	43	60	15.122	ug/l #	37
37) Ethyl Acetate	7.44	43	60	5.357	ug/l #	63
64) Tetrachloroethene	10.88	164	83	2.178	ug/l #	2
76) 1,2,3-Trichloropropane	12.64	75	868	50.158	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	868	117.316	ug/l #	11
95) Naphthalene	15.39	128	156	1.997	ug/l #	69

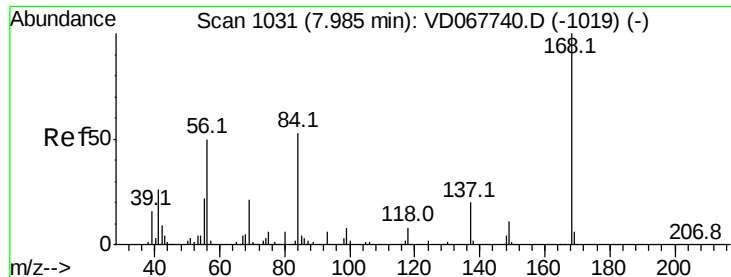
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD113020\
Data File : VD067824.D
Acq On : 30 Nov 2020 19:43
Operator : VA/SY
Sample : L4909-01
Misc : 5.08G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Dec 01 00:18:57 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: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

Instrument :

MSVOA_D

ClientSampleId :

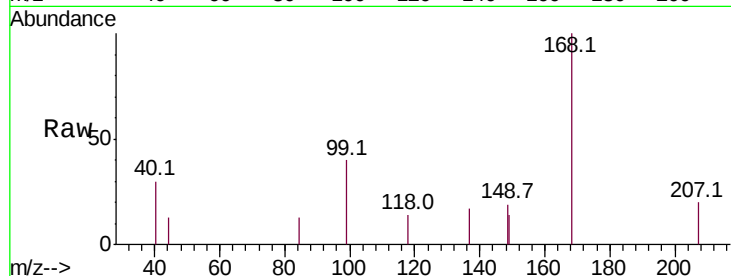
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion:168 Resp: 2815

Ion Ratio Lower Upper

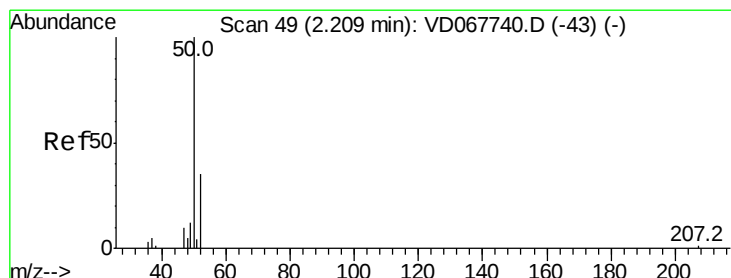
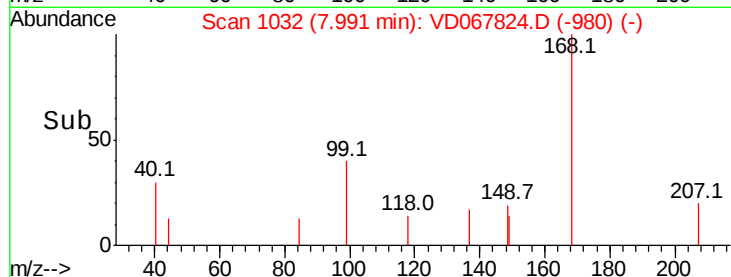
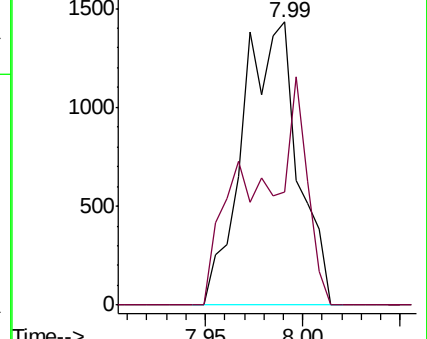
168 100

99 39.8 43.8 65.8#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 7.186 ug/l

RT: 2.20 min Scan# 47

Delta R.T. -0.01 min

Lab File: VD067824.D

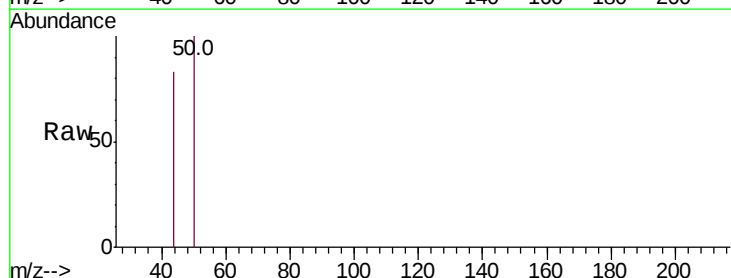
Acq: 30 Nov 2020 19:43

Tgt Ion: 50 Resp: 98

Ion Ratio Lower Upper

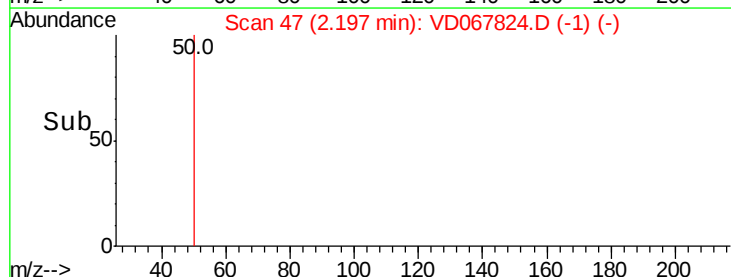
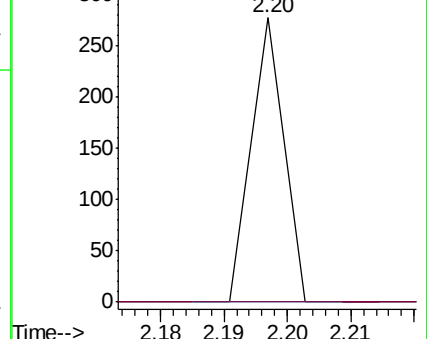
50 100

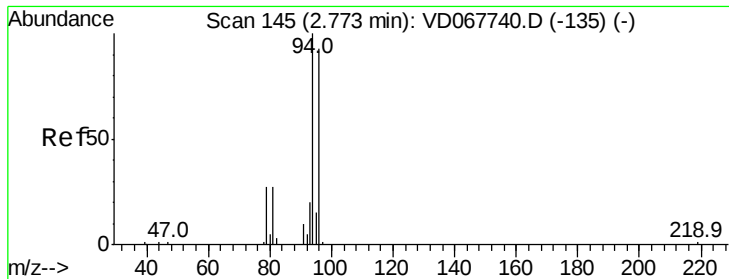
52 0.0 27.8 41.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 28.709 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

Instrument :

MSVOA_D

ClientSampleId :

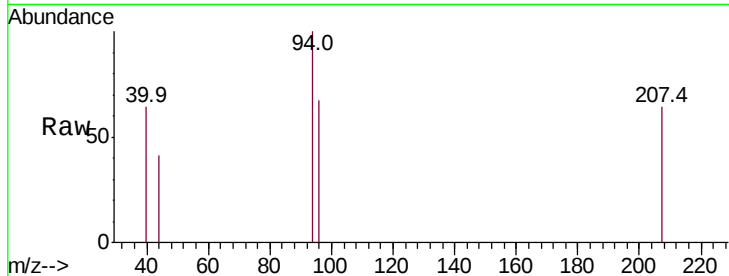
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion: 94 Resp: 418

Ion Ratio Lower Upper

94 100

96 66.7 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

800

600

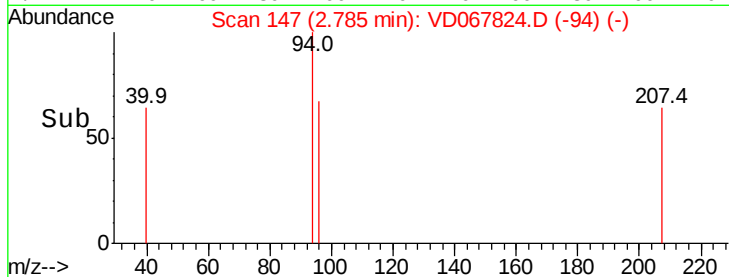
400

200

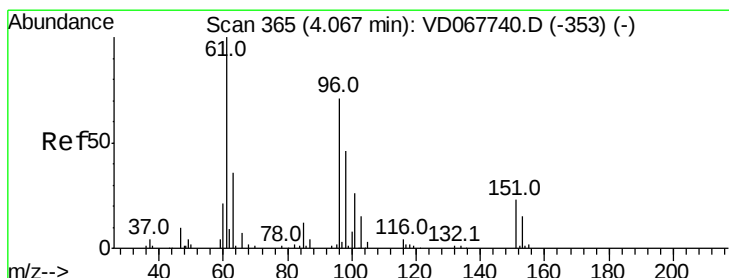
0

2.76 2.78 2.80 2.82

2.79



Time-->



#12

1,1-Dichloroethene

Concen: 3.289 ug/l

RT: 4.04 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

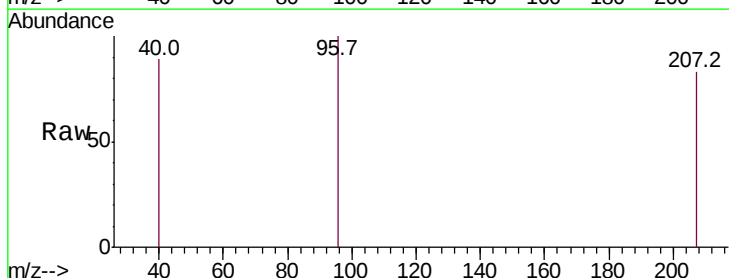
Tgt Ion: 96 Resp: 76

Ion Ratio Lower Upper

96 100

61 0.0 112.9 169.3#

98 0.0 52.4 78.6#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

300

250

200

150

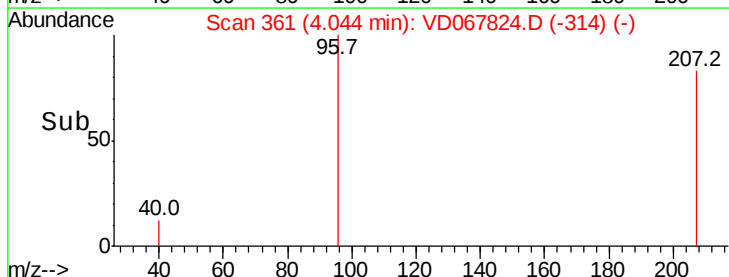
100

50

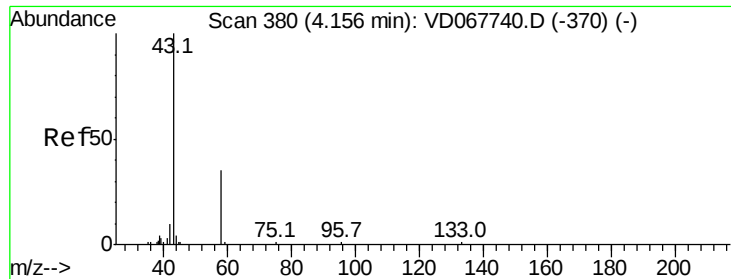
0

4.03 4.04 4.05 4.06

4.04



Time-->



#16

Acetone

Concen: 16.969 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

Instrument :

MSVOA_D

ClientSampleId :

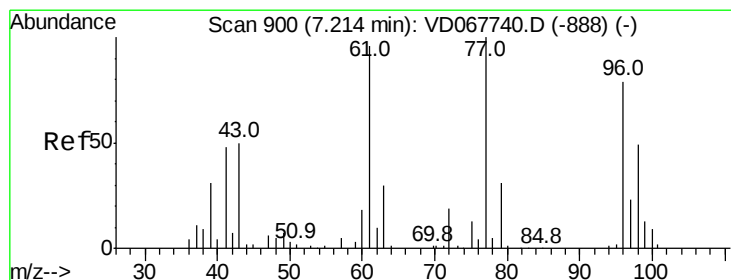
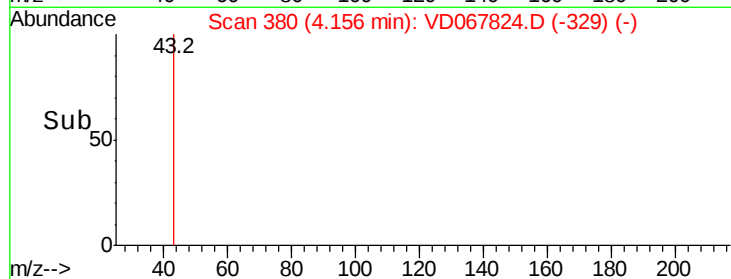
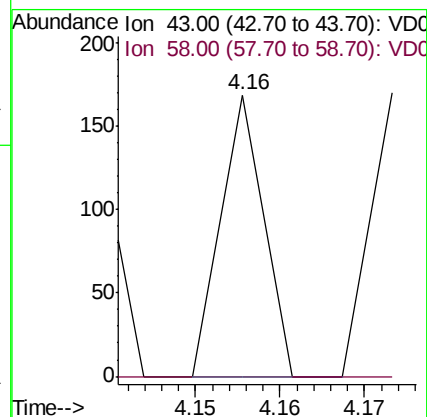
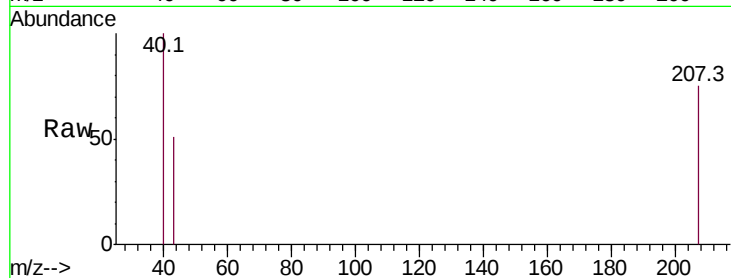
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

58 0.0 27.6 41.4#



#25

2-Butanone

Concen: 15.122 ug/l

RT: 7.44 min Scan# 938

Delta R.T. 0.22 min

Lab File: VD067824.D

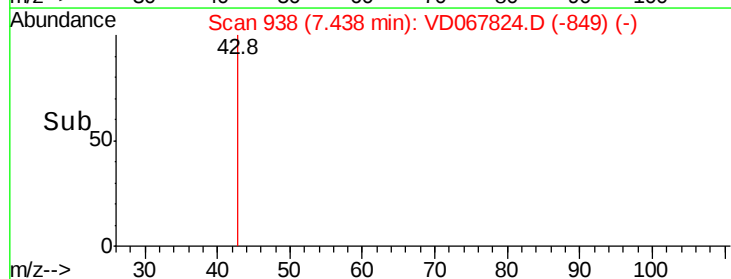
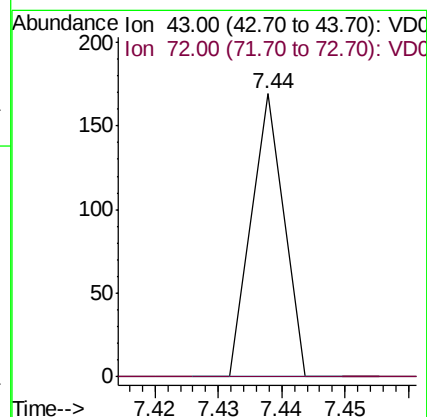
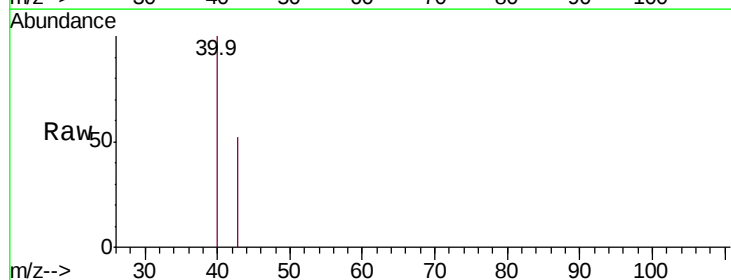
Acq: 30 Nov 2020 19:43

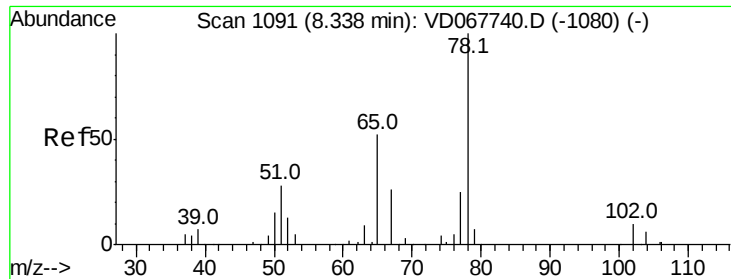
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

72 0.0 30.8 46.2#





#33

1,2-Dichloroethane-d4

Concen: 88.379 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

Instrument :

MSVOA_D

ClientSampleId :

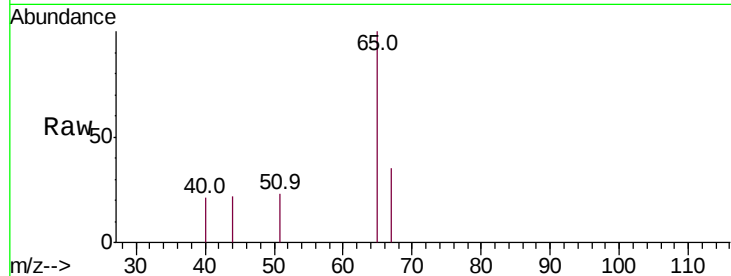
ROCK-HILL-SLOPE-EMBANKMENT-

Tot Ion: 65 Resp: 2419

Ion Ratio Lower Upper

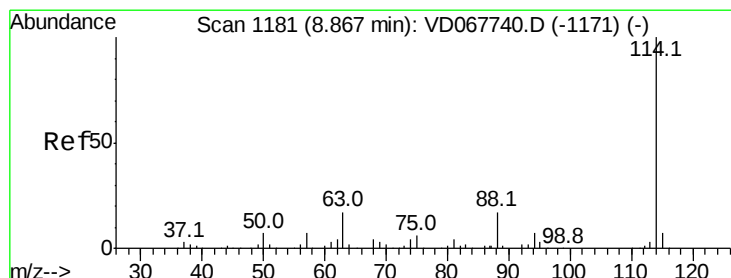
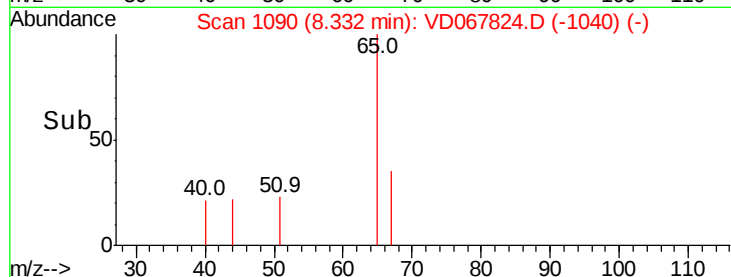
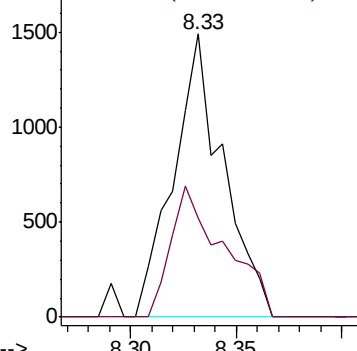
65 100

67 49.6 0.0 101.0



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: VD067824.D

Acq: 30 Nov 2020 19:43

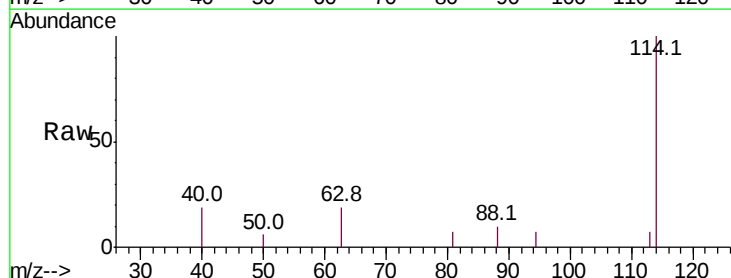
Tgt Ion: 114 Resp: 4854

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.8

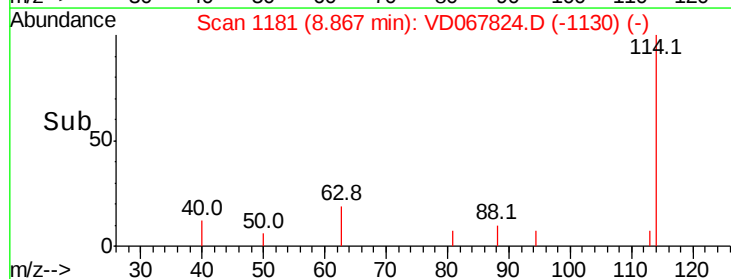
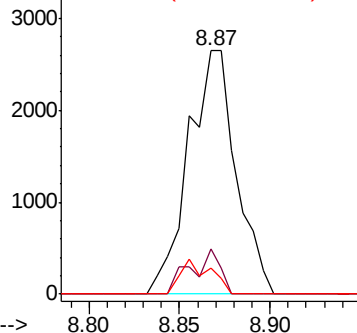
88 10.5 0.0 34.4

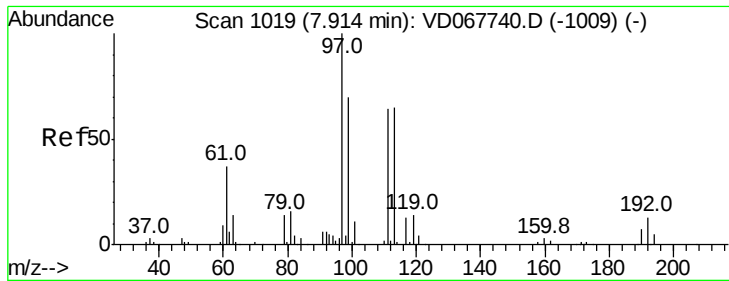


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 42.828 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

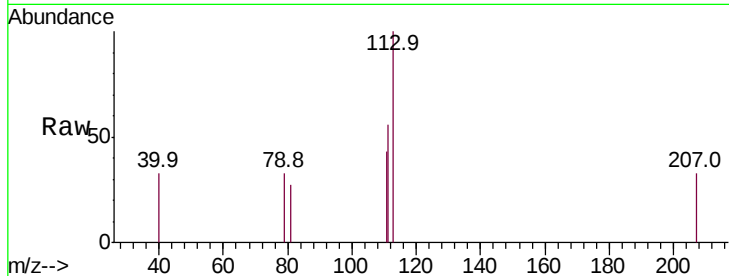
Tot Ion:113 Resp: 1323

Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

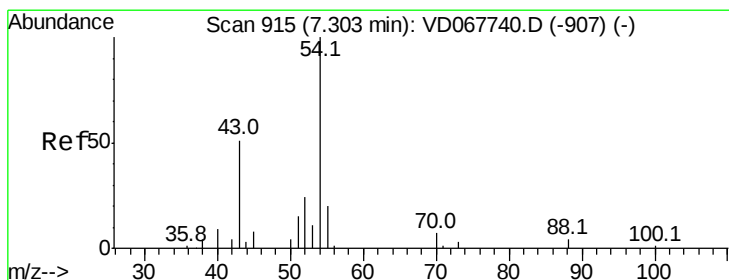
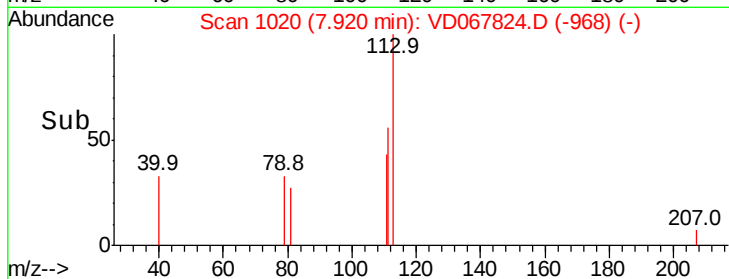
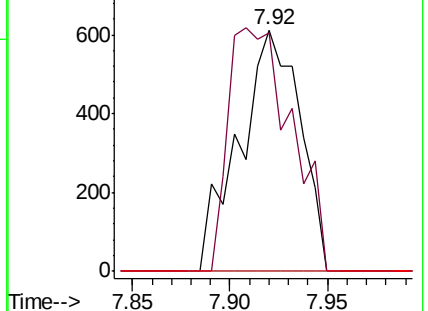
192 0.0 17.0 25.4#



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



#37

Ethyl Acetate

Concen: 5.357 ug/l

RT: 7.44 min Scan# 938

Delta R.T. 0.14 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

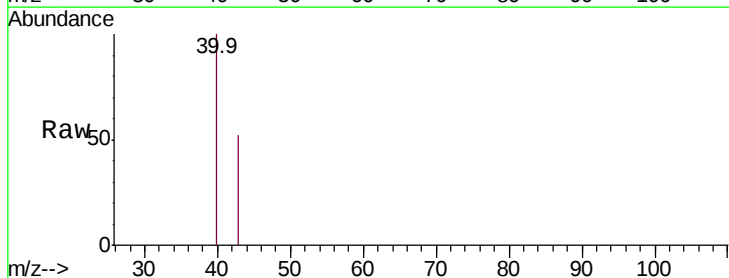
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

61 0.0 12.9 19.3#

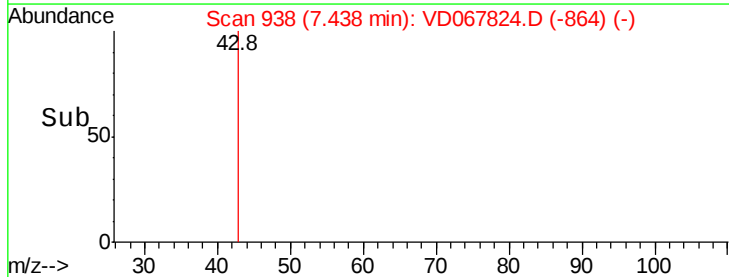
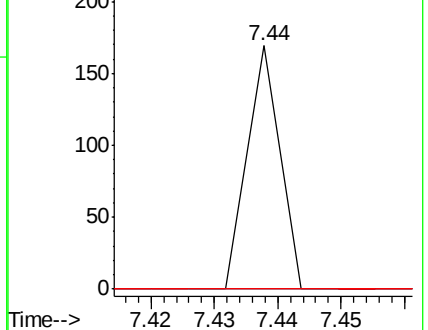
70 0.0 12.2 18.2#

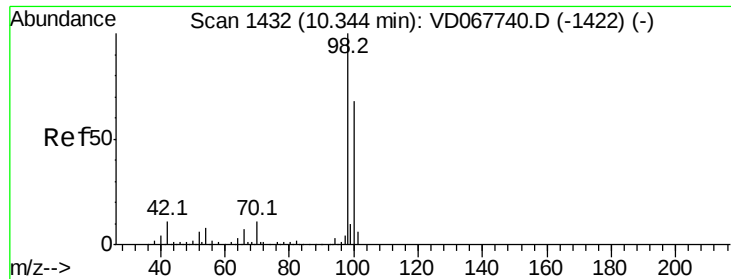


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 60.90 (60.60 to 61.60): V

Ion 70.00 (69.70 to 70.70): V

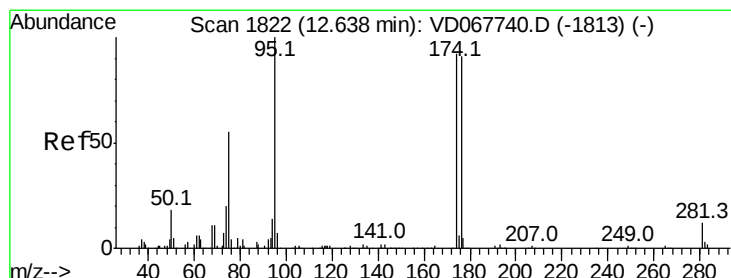
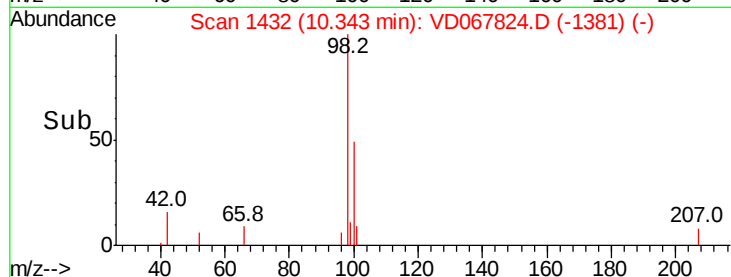
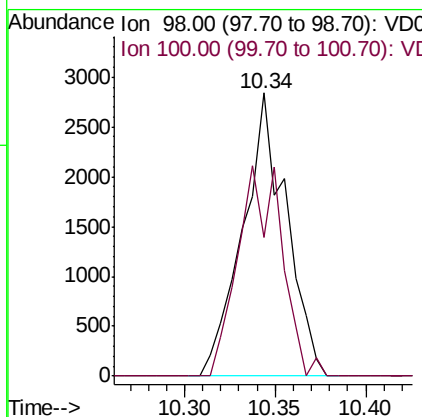
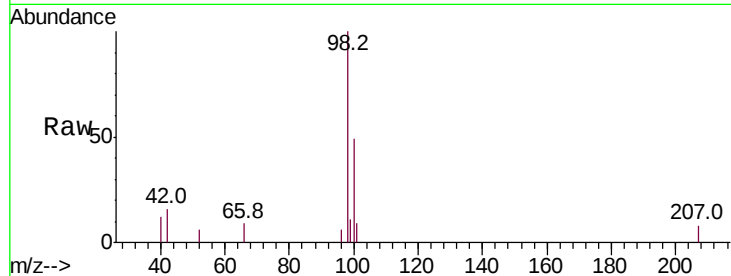




#50
Toluene-d8
Concen: 41.855 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067824.D
Acq: 30 Nov 2020 19:43

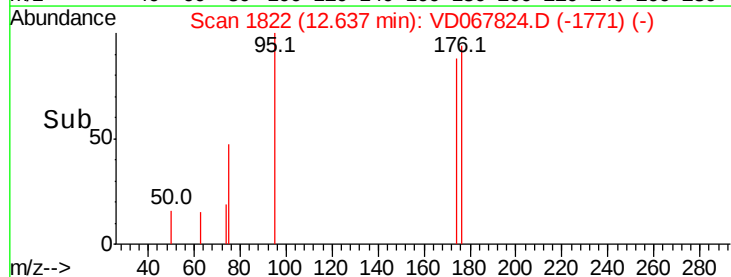
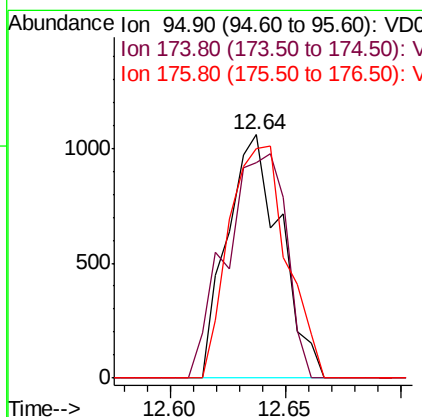
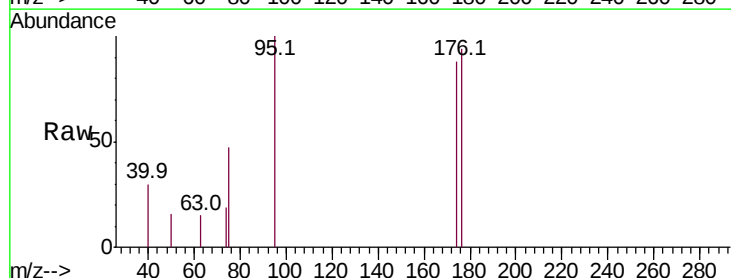
Instrument :
MSVOA_D
ClientSampleId :
ROCK-HILL-SLOPE-EMBANKMENT-

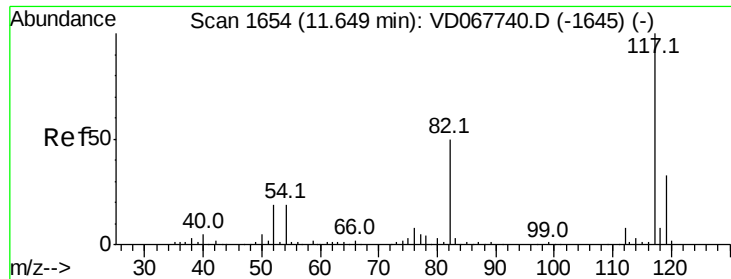
Tot Ion: 98 Resp: 4727
Ion Ratio Lower Upper
98 100
100 75.3 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.271 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067824.D
Acq: 30 Nov 2020 19:43

Tgt Ion: 95 Resp: 1709
Ion Ratio Lower Upper
95 100
174 104.1 0.0 182.4
176 103.2 0.0 178.2

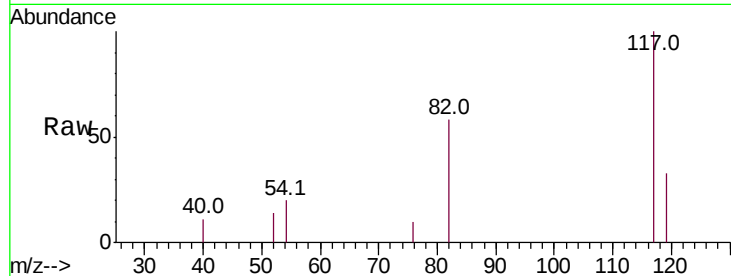




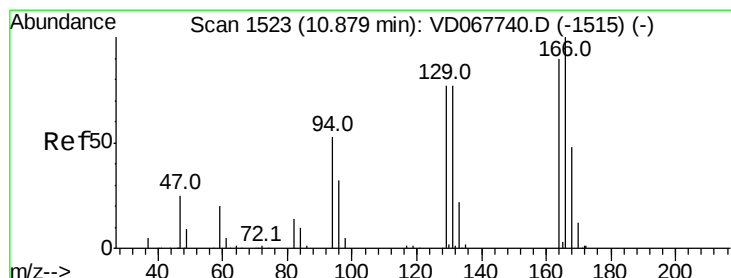
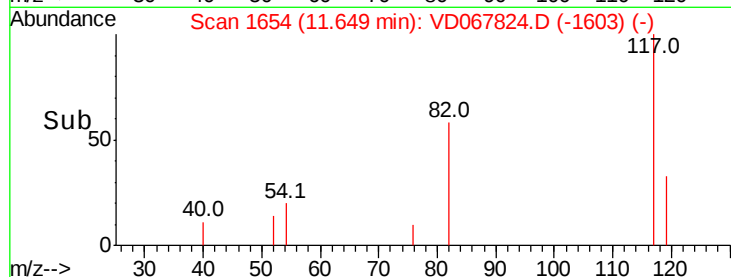
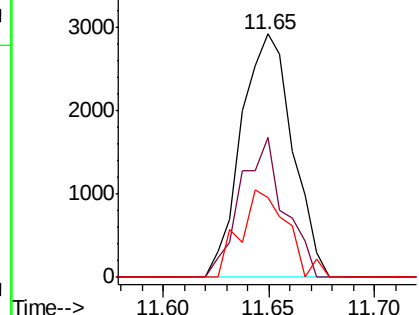
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067824.D
Acq: 30 Nov 2020 19:43

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

Tot Ion:117 Resp: 4911
Ion Ratio Lower Upper
117 100
82 57.7 40.2 60.4
119 32.9 26.5 39.7

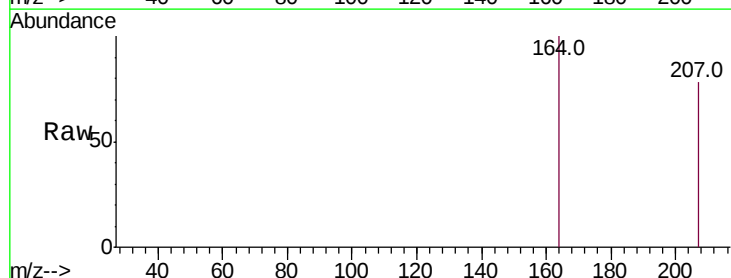


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

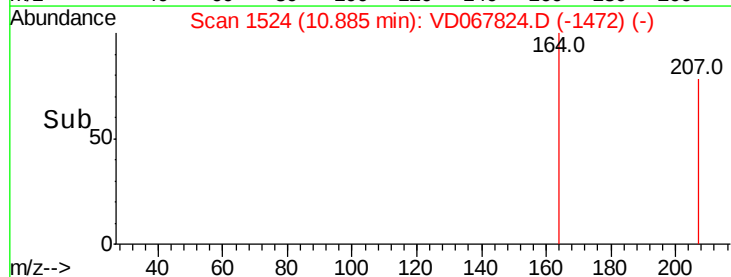
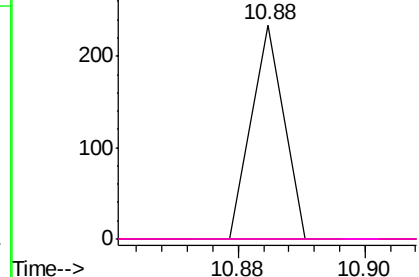


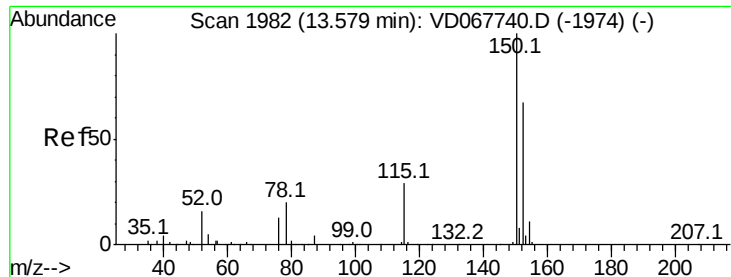
#64
Tetrachloroethene
Concen: 2.178 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067824.D
Acq: 30 Nov 2020 19:43

Tgt Ion:164 Resp: 83
Ion Ratio Lower Upper
164 100
166 0.0 89.2 133.8#
129 0.0 68.4 102.6#
131 0.0 68.7 103.1#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

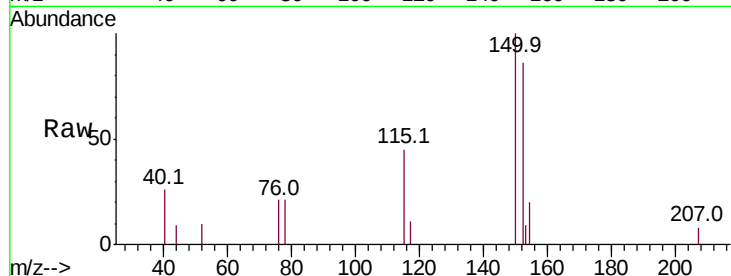
Tot Ion:152 Resp: 2483

Ion Ratio Lower Upper

152 100

115 70.1 29.4 88.3

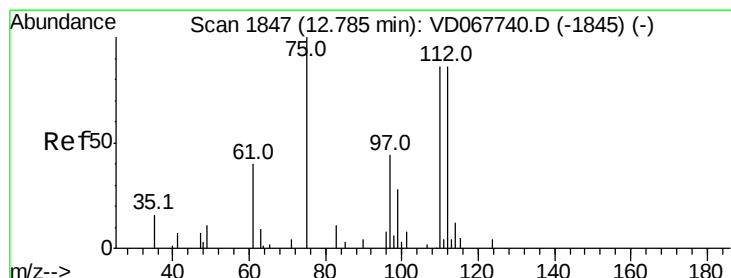
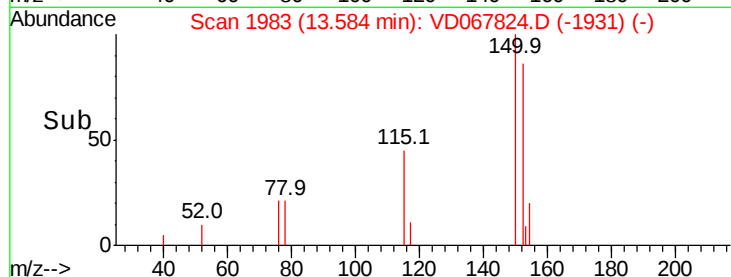
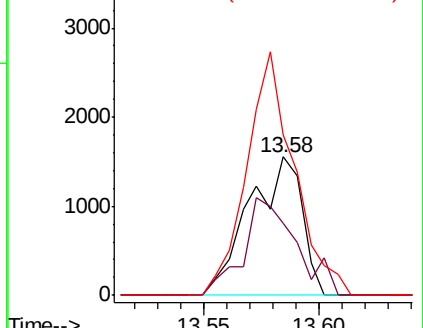
150 157.6 0.0 340.6



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



#76

1,2,3-Trichloropropane

Concen: 50.158 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067824.D

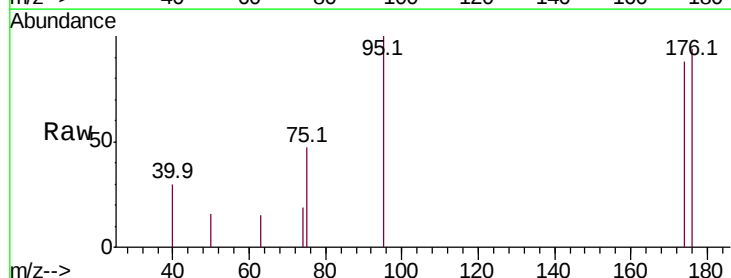
Acq: 30 Nov 2020 19:43

Tgt Ion: 75 Resp: 868

Ion Ratio Lower Upper

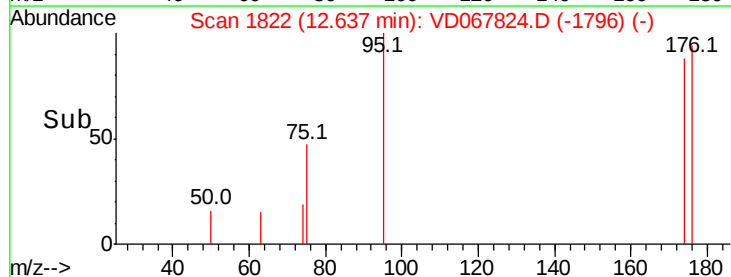
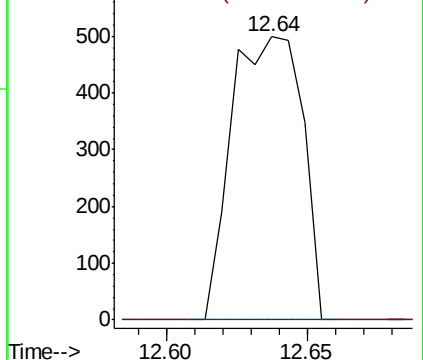
75 100

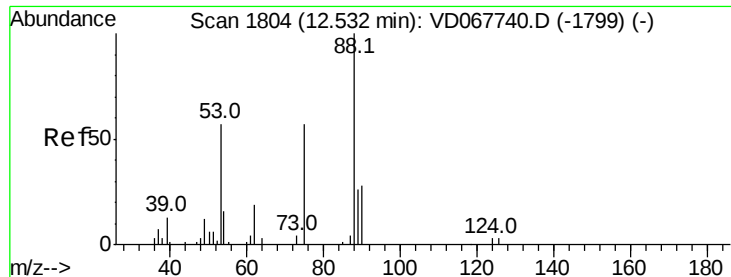
77 0.0 0.0 0.0



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: 117.316 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

Instrument :

MSVOA_D

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-

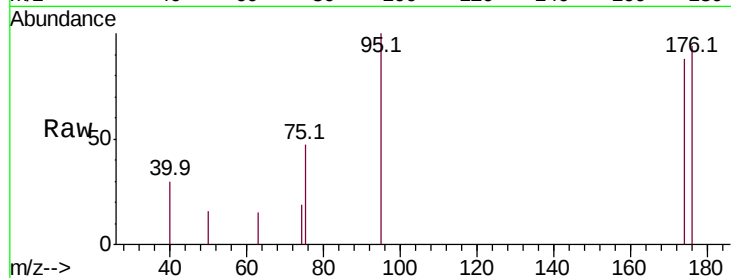
Tot Ion: 75 Resp: 868

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.0 40.2 60.4#



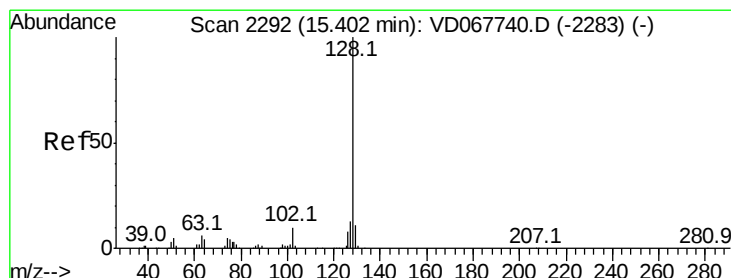
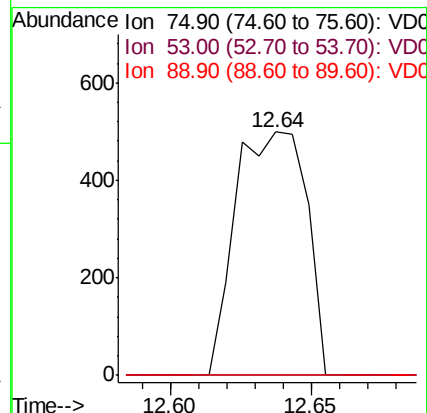
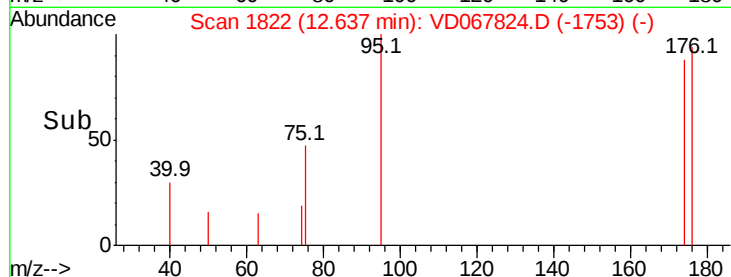
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.64

12.65



#95

Naphthalene

Concen: 1.997 ug/l

RT: 15.39 min Scan# 2290

Delta R.T. -0.01 min

Lab File: VD067824.D

Acq: 30 Nov 2020 19:43

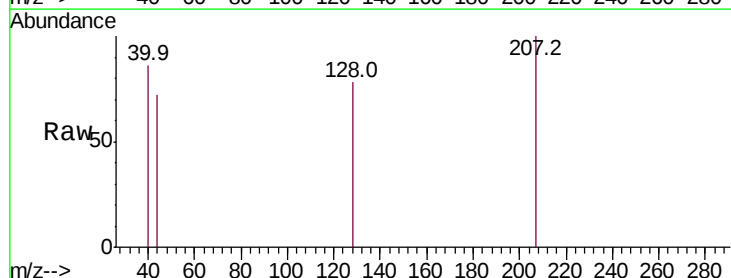
Tgt Ion:128 Resp: 156

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

15.39

15.40

15.42

