

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066740.D
 Acq On : 17 Sep 2020 13:15
 Operator : VA/SY
 Sample : L4032-01
 Misc : 5.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-BORING

Quant Time: Sep 18 01:14:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

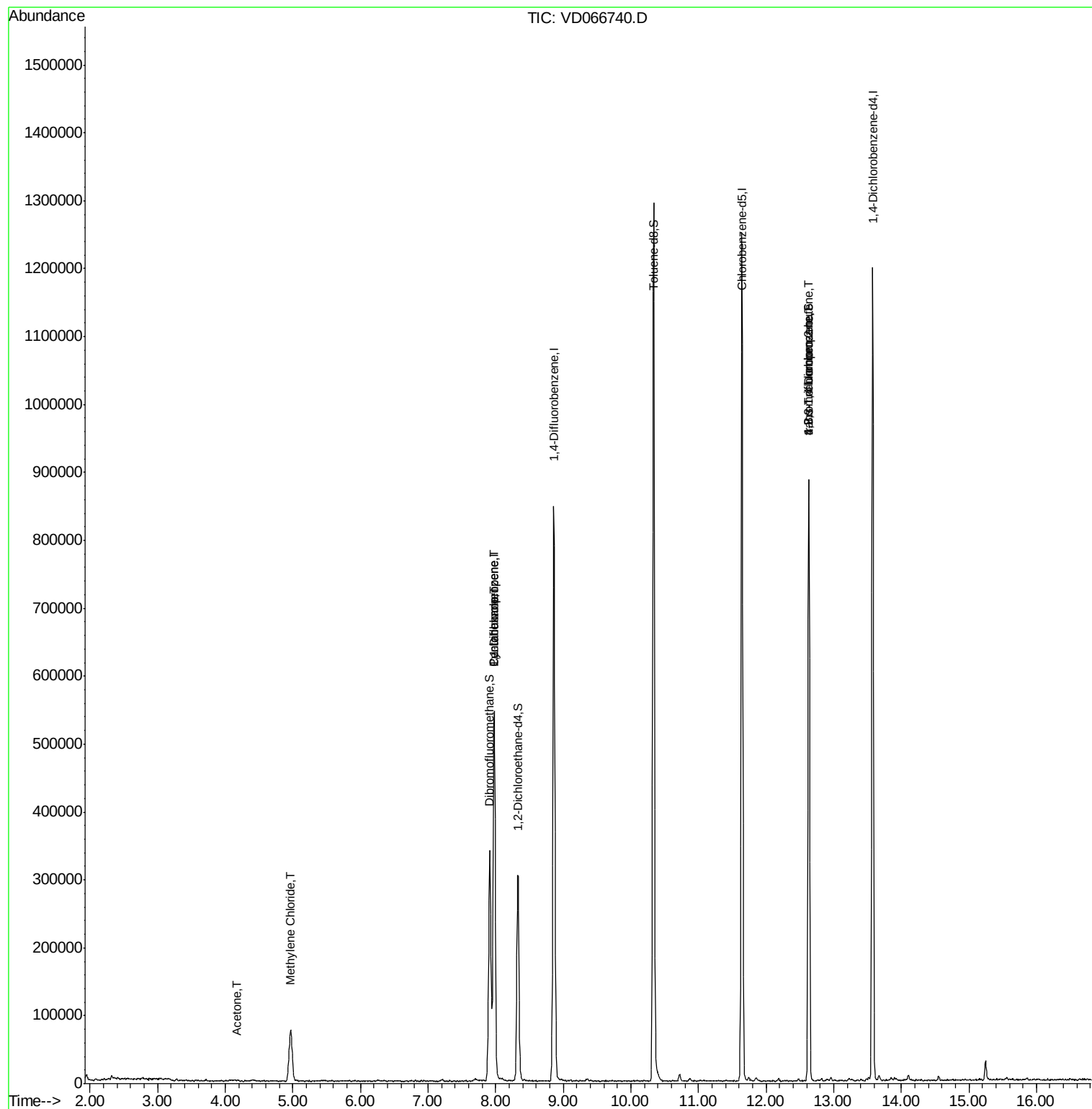
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	378247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	698021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	678955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302951	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	249064	61.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.44%	
35) Dibromofluoromethane	7.91	113	242062	56.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.12%	
50) Toluene-d8	10.34	98	858437	56.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.60%	
62) 4-Bromofluorobenzene	12.63	95	288421	54.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.97	85	1004	Below Cal	#	43
16) Acetone	4.16	43	1586	1.930	ug/l #	47
18) Methyl Acetate	4.72	43	57	Below Cal	#	52
20) Methylene Chloride	4.97	84	59697	7.213	ug/l	85
31) Cyclohexane	7.98	56	10695	1.500	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	34993	4.876	ug/l #	50
76) 1,2,3-Trichloropropane	12.63	75	157663	60.800	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	157663	131.217	ug/l #	8

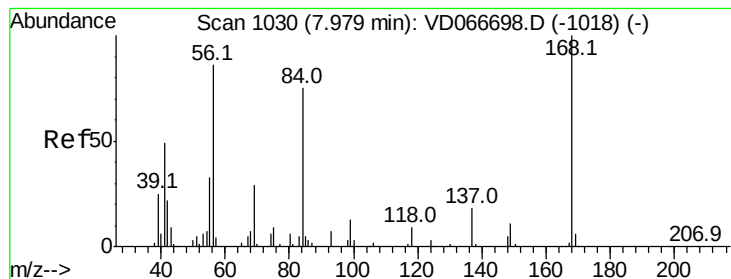
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

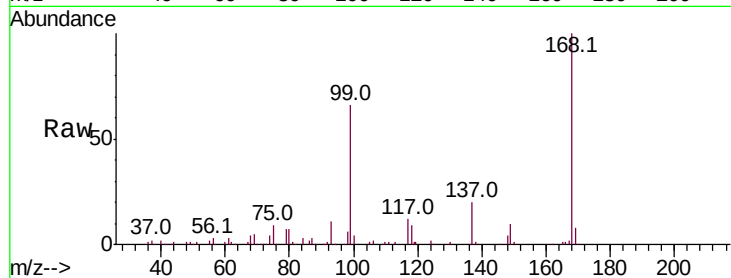
SOIL-BORING

Tot Ion:168 Resp: 378247

Ion Ratio Lower Upper

168 100

99 65.5 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

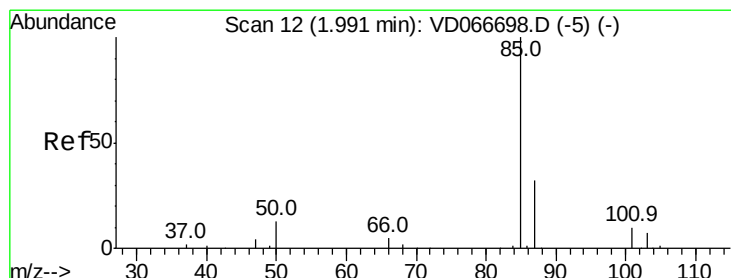
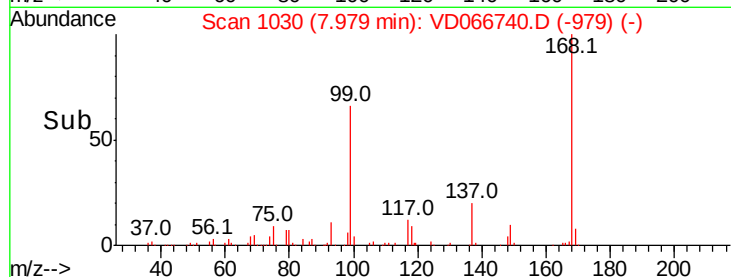
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.97 min Scan# 9

Delta R.T. -0.02 min

Lab File: VD066740.D

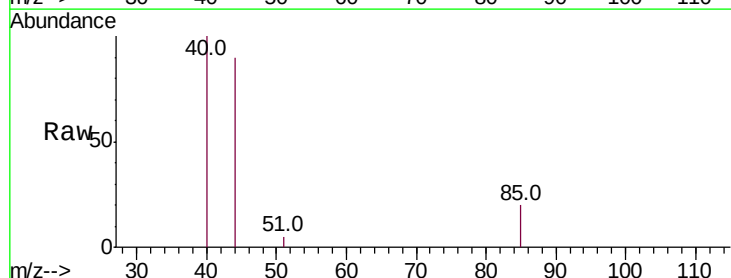
Acq: 17 Sep 2020 13:15

Tgt Ion: 85 Resp: 1004

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.97

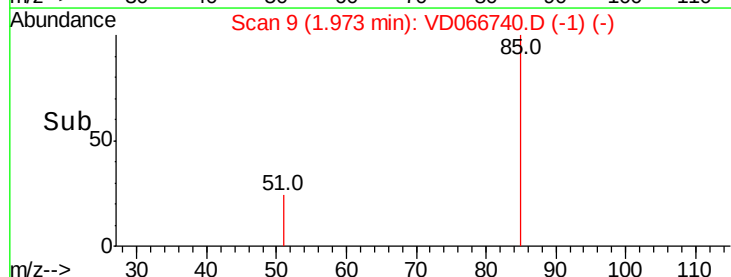
600

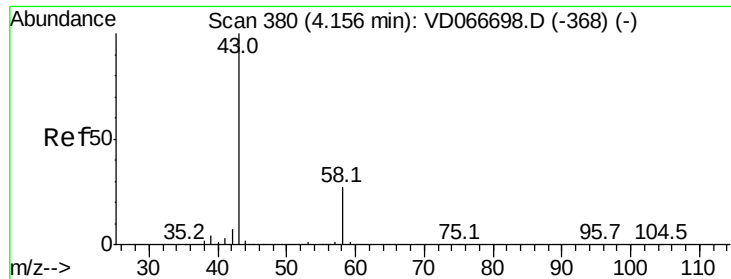
400

200

0

Time-->





#16

Acetone

Concen: 1.930 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

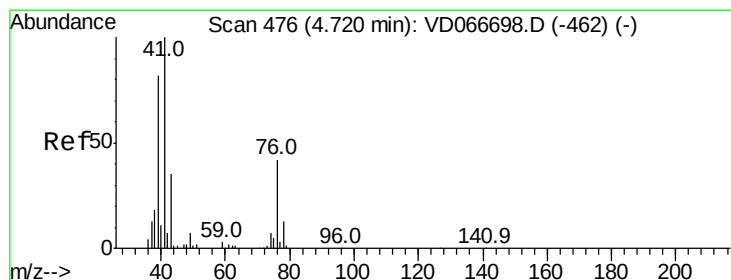
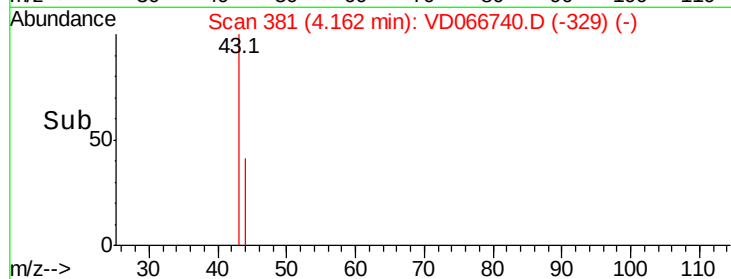
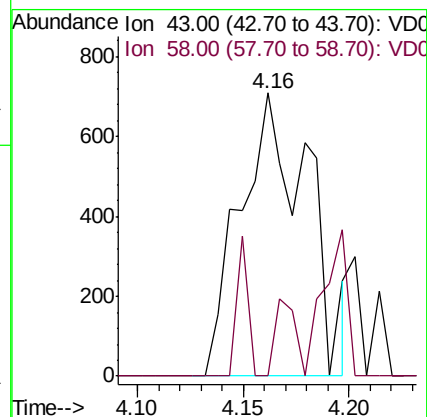
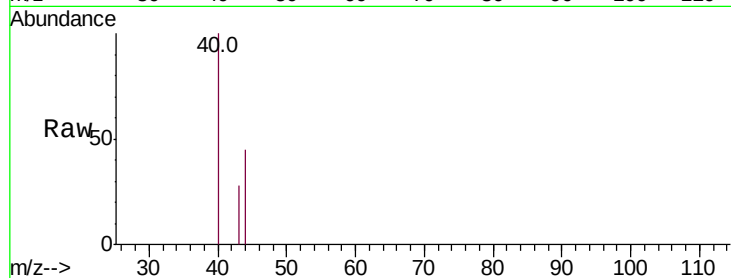
SOIL-BORING

Tot Ion: 43 Resp: 1586

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD066740.D

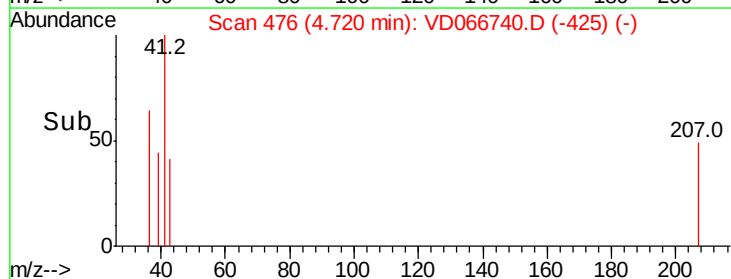
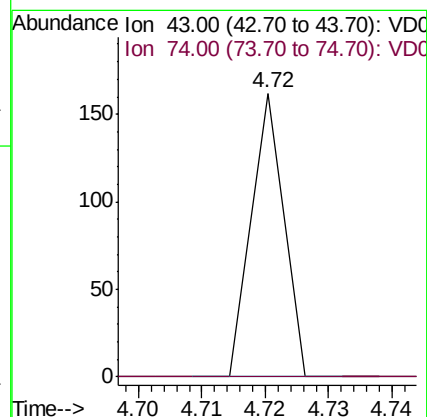
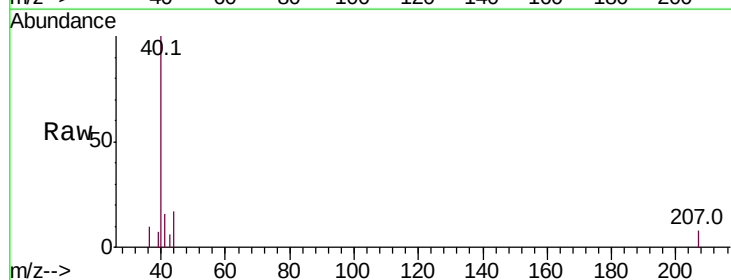
Acq: 17 Sep 2020 13:15

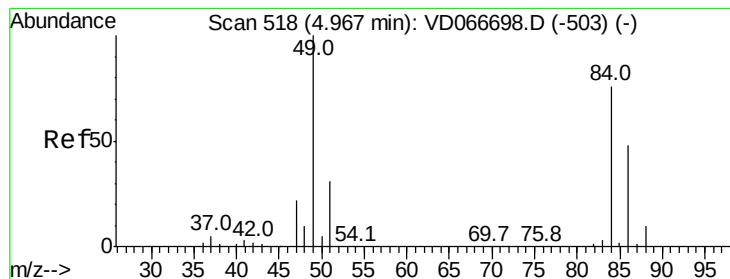
Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#





#20

Methvlene Chloride

Concen: 7.213 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

SOIL-BORING

Tot Ion: 84 Resp: 59697

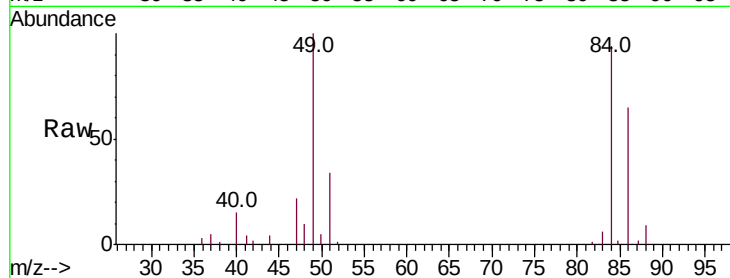
Ion Ratio Lower Upper

84 100

49 106.2 105.0 157.6

51 36.1 32.2 48.4

86 68.9 50.4 75.6

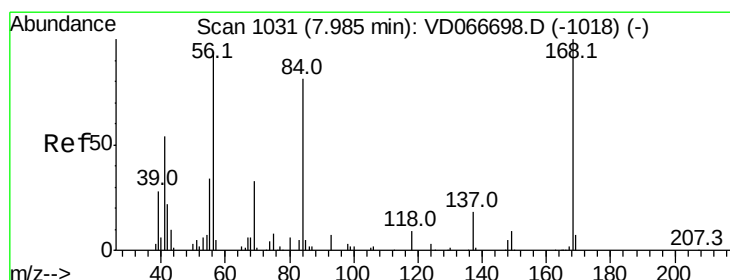
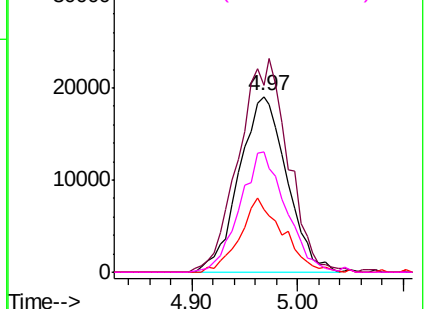
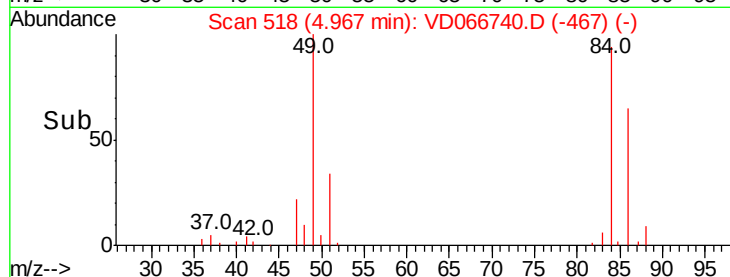


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.500 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

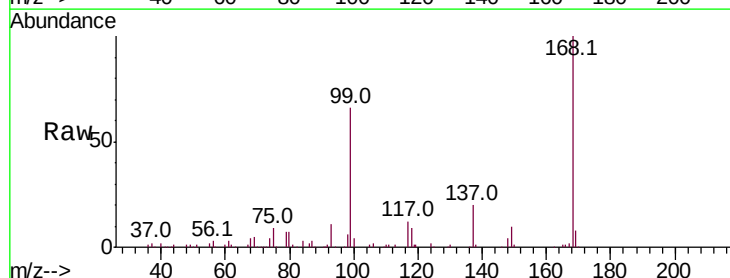
Tgt Ion: 56 Resp: 10695

Ion Ratio Lower Upper

56 100

69 169.9 27.7 41.5#

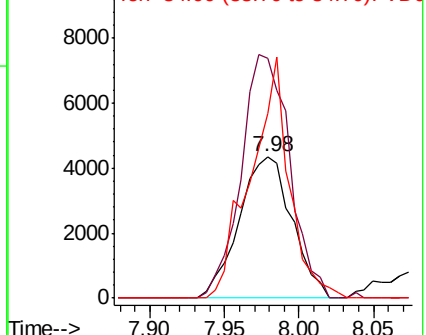
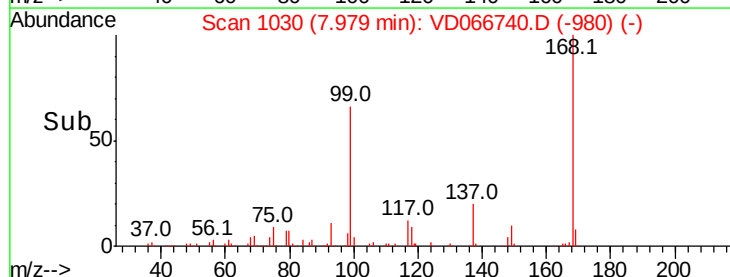
84 130.4 68.5 102.7#

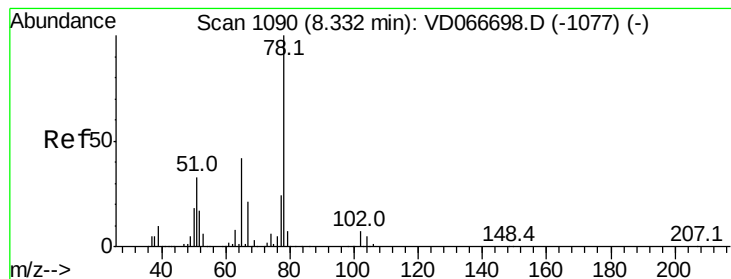


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 61.716 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

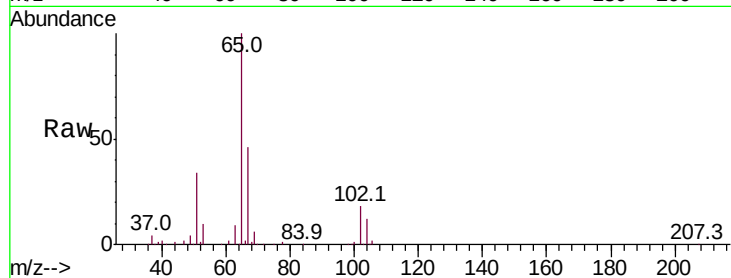
SOIL-BORING

Tot Ion: 65 Resp: 249064

Ion Ratio Lower Upper

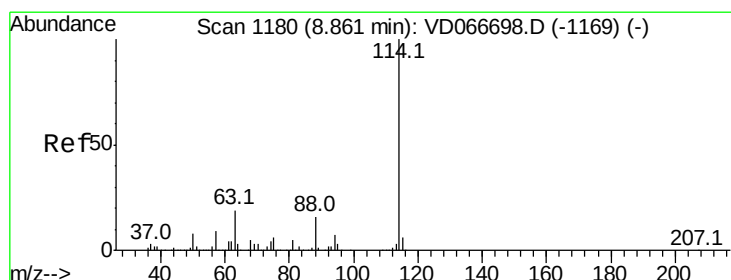
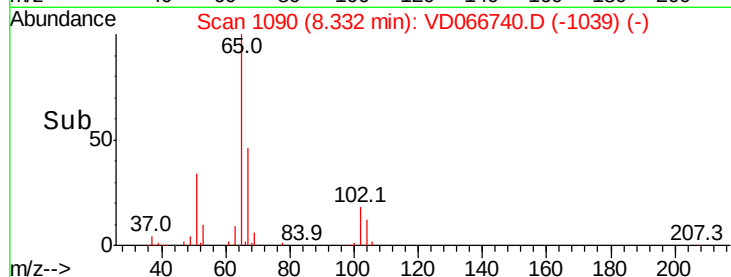
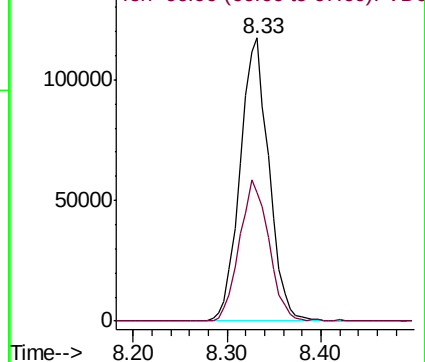
65 100

67 51.2 0.0 102.2



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

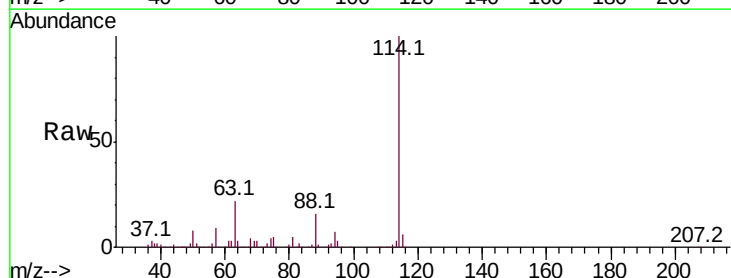
Tgt Ion:114 Resp: 698021

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.6

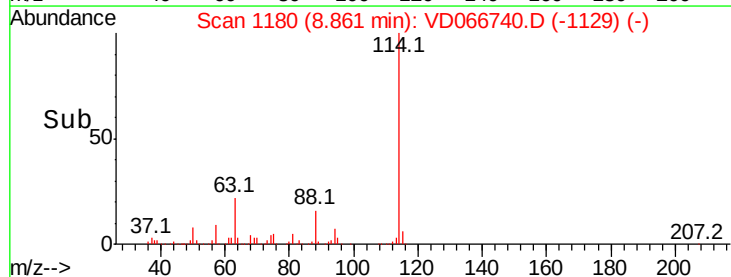
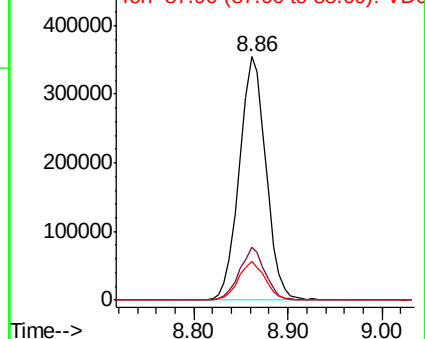
88 16.0 0.0 32.2

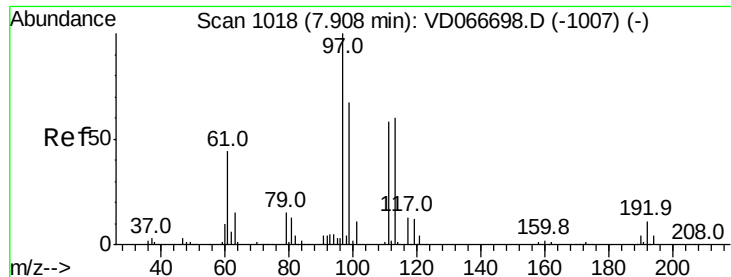


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 56.563 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

SOIL-BORING

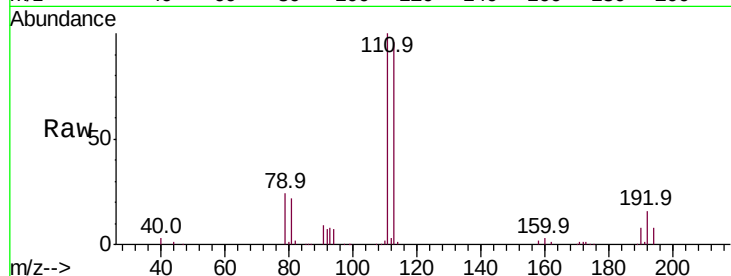
Tot Ion:113 Resp: 242062

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

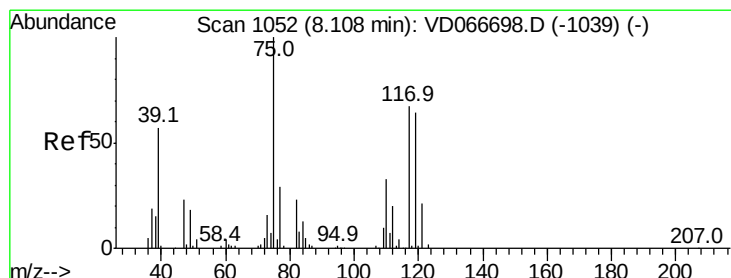
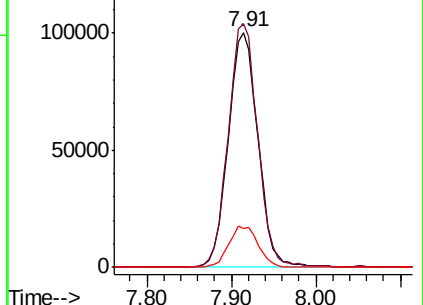
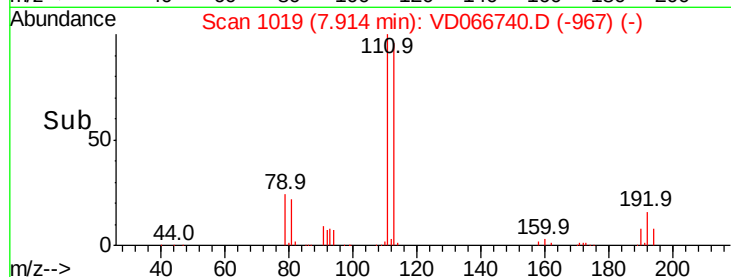
192 17.4 14.8 22.2



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: 4.876 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

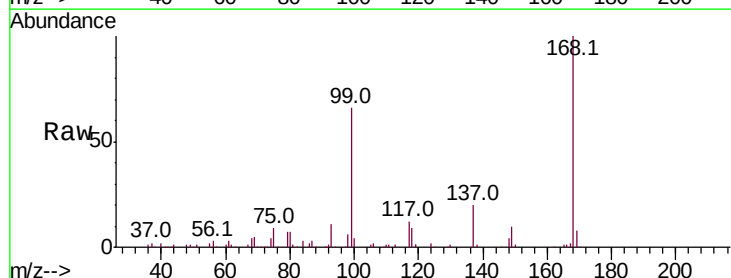
Tgt Ion: 75 Resp: 34993

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

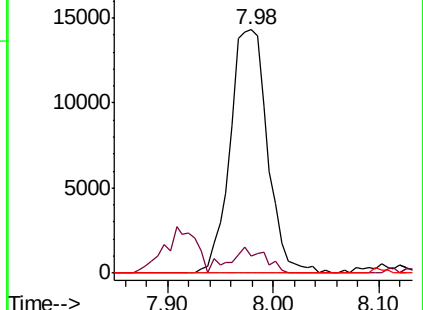
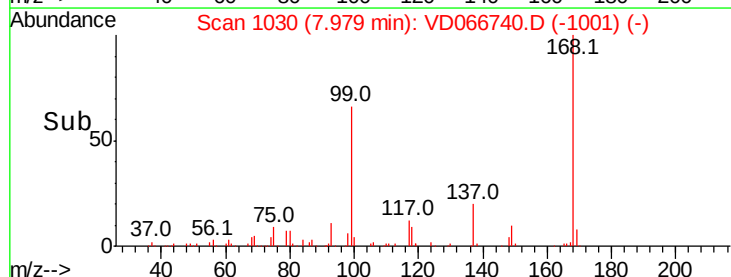
77 0.0 25.0 37.6#

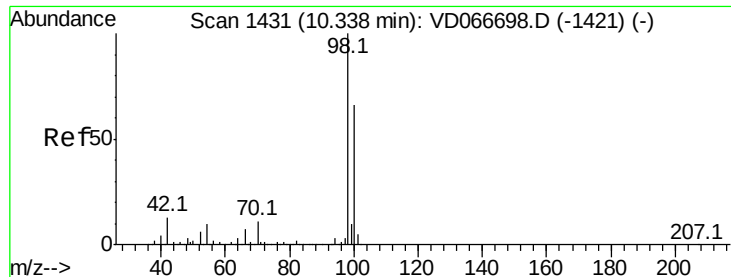


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

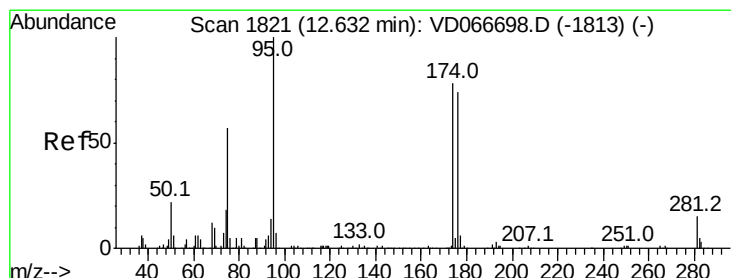
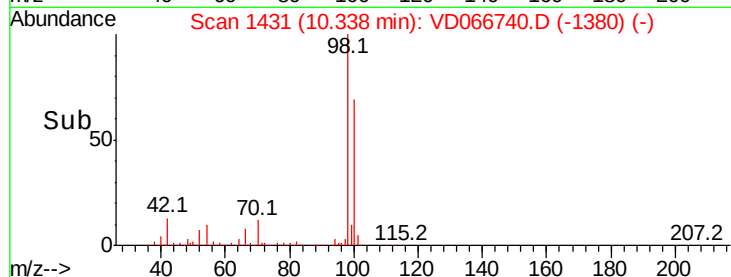
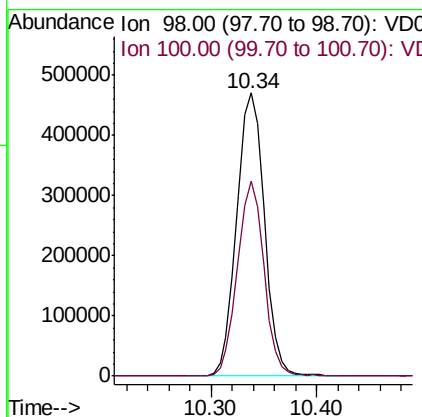
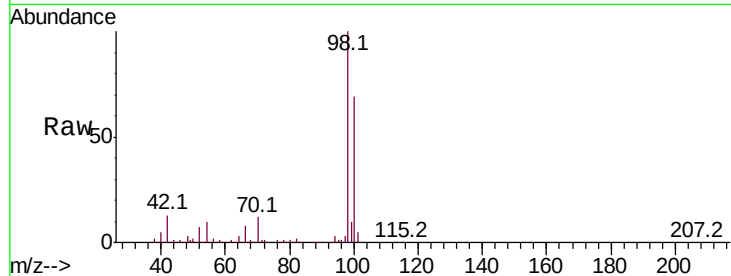




#50
Toluene-d8
Concen: 56.302 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066740.D
Acq: 17 Sep 2020 13:15

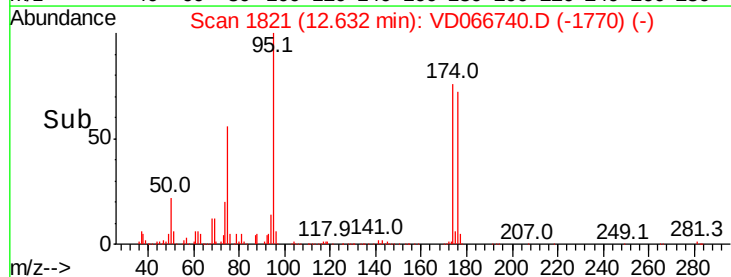
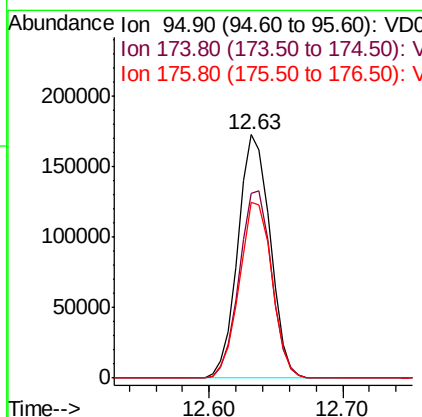
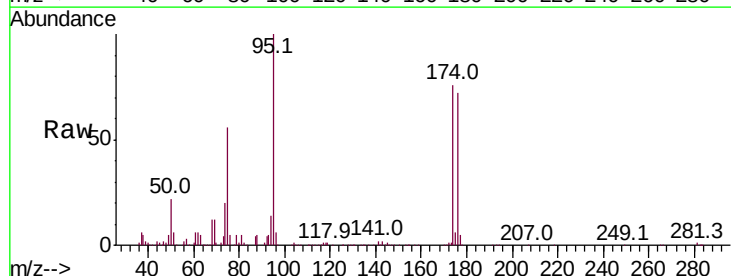
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SOIL-BORING

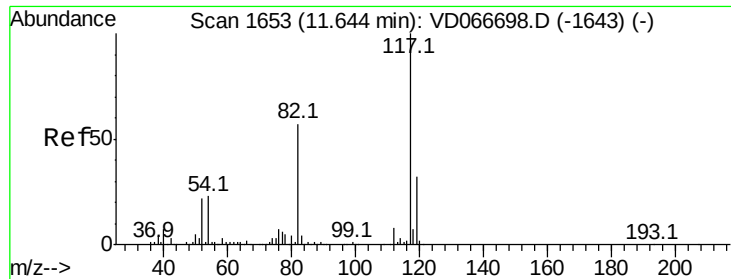
Tot Ion: 98 Resp: 858437
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 54.801 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066740.D
Acq: 17 Sep 2020 13:15

Tgt Ion: 95 Resp: 288421
Ion Ratio Lower Upper
95 100
174 77.2 0.0 156.6
176 73.2 0.0 150.2

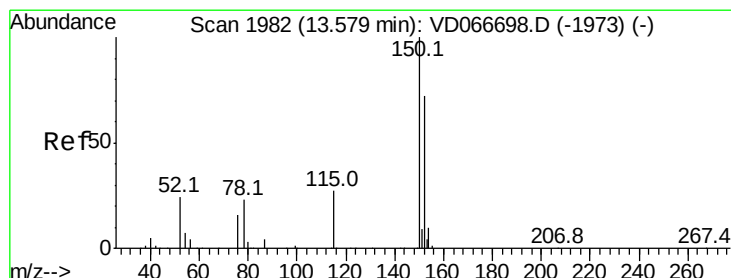
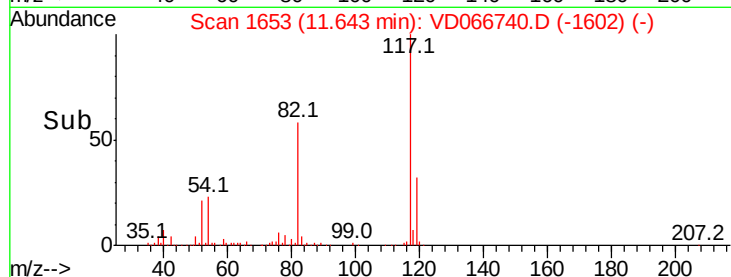
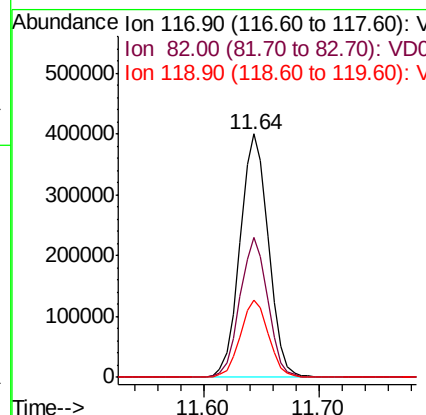
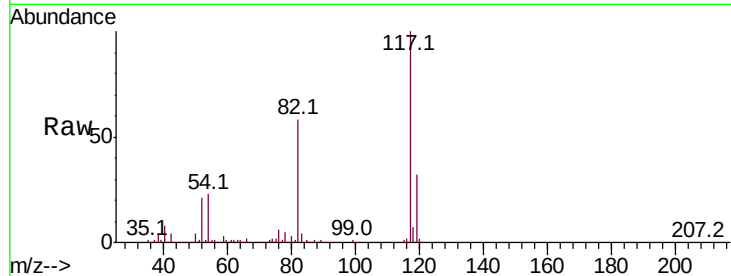




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066740.D
Acq: 17 Sep 2020 13:15

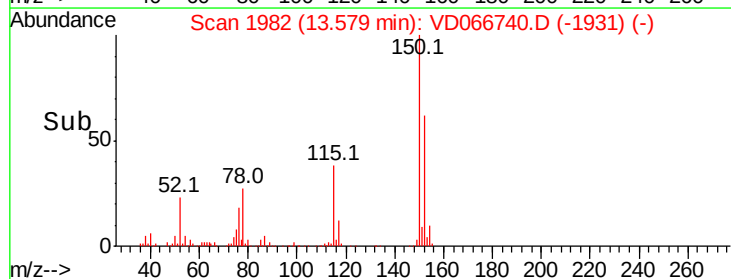
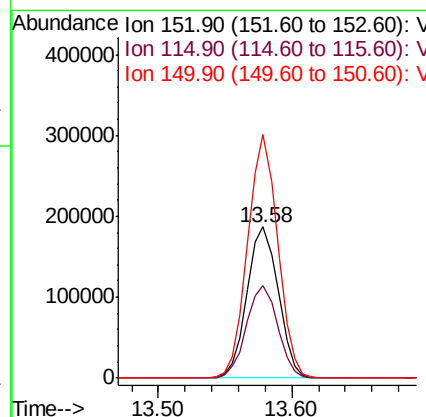
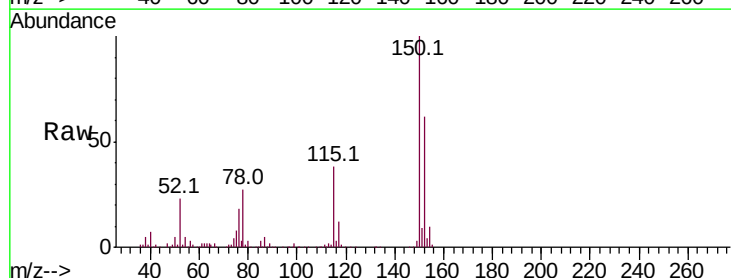
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BORING

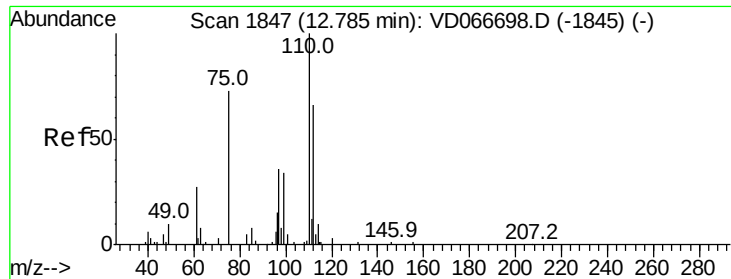
Tot Ion:117 Resp: 678955
Ion Ratio Lower Upper
117 100
82 57.7 45.4 68.0
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066740.D
Acq: 17 Sep 2020 13:15

Tgt Ion:152 Resp: 302951
Ion Ratio Lower Upper
152 100
115 61.5 30.5 91.5
150 154.7 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 60.800 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

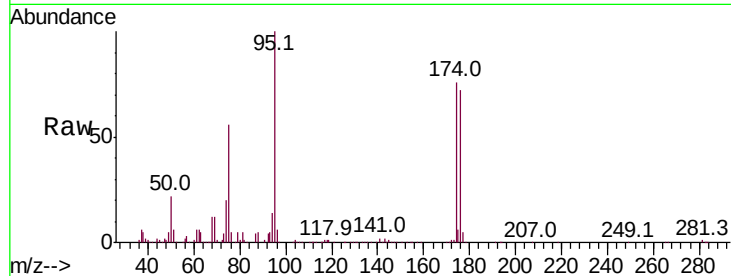
SOIL-BORING

Tot Ion: 75 Resp: 157663

Ion Ratio Lower Upper

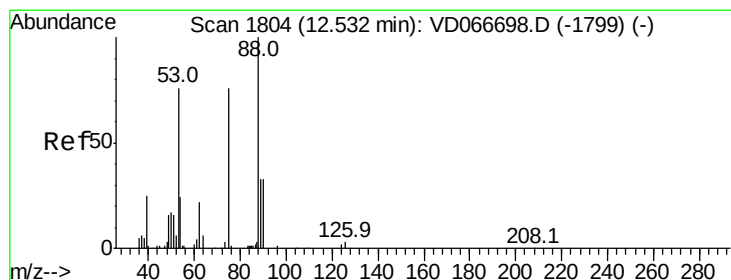
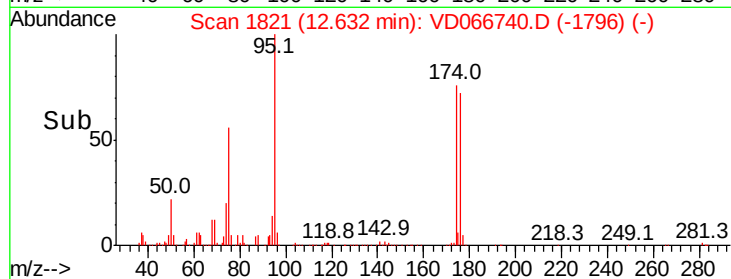
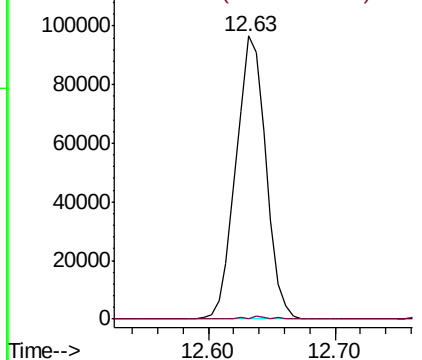
75 100

77 0.9 0.0 0.0#



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: 131.217 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066740.D

Acq: 17 Sep 2020 13:15

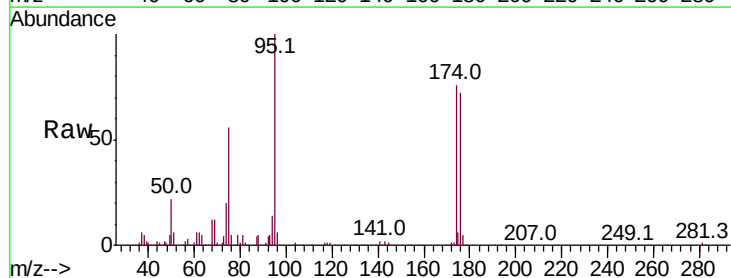
Tgt Ion: 75 Resp: 157663

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#



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

