

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066997.D
 Acq On : 01 Oct 2020 17:20
 Operator : VA/SY
 Sample : L4194-01
 Misc : 6.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CG-SOIL

Quant Time: Oct 02 00:41:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	514863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	849593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	820315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	384355	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	246214	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	7.91	113	265767	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
50) Toluene-d8	10.34	98	1022182	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.63	95	356049	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	

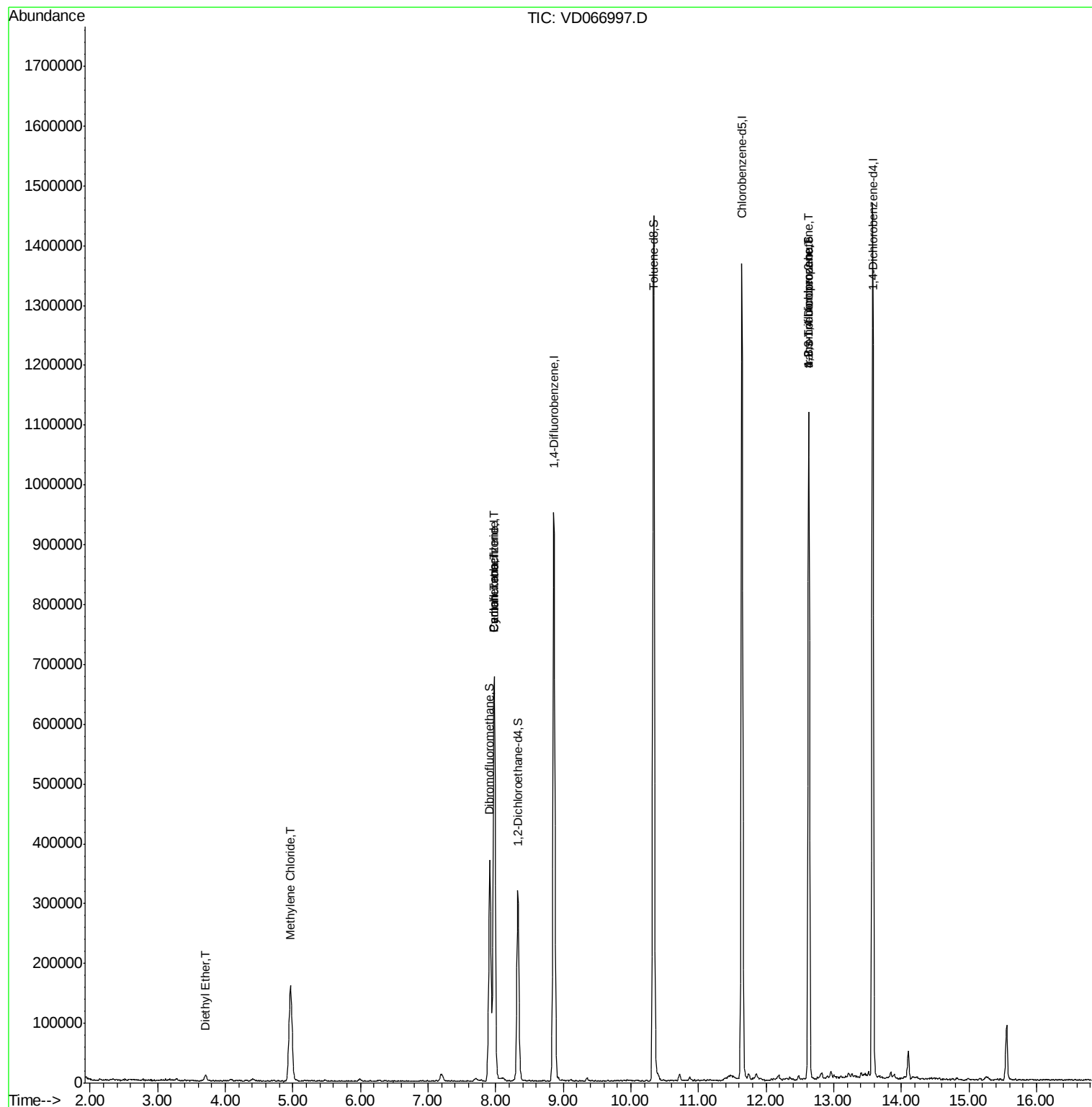
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	1554	Below Cal		78
5) Bromomethane	2.77	94	1146	Below Cal	#	70
8) Diethyl Ether	3.71	74	5440	2.402	ug/l	92
11) Tert butyl alcohol	5.21	59	803	Below Cal	#	72
20) Methylene Chloride	4.97	84	134260	20.735	ug/l	91
26) 2,2-Dichloropropane	7.22	77	892	Below Cal		80
31) Cyclohexane	7.98	56	12706	1.706	ug/l	# 30
38) Carbon Tetrachloride	7.98	117	51656	6.029	ug/l	# 16
76) 1,2,3-Trichloropropane	12.63	75	179863	53.725	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	179863	133.943	ug/l	# 12

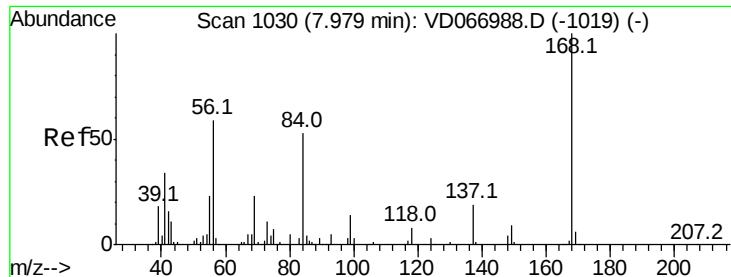
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
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Misc : 6.57G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 02 00:41:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
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: VD066997.D

Acq: 01 Oct 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

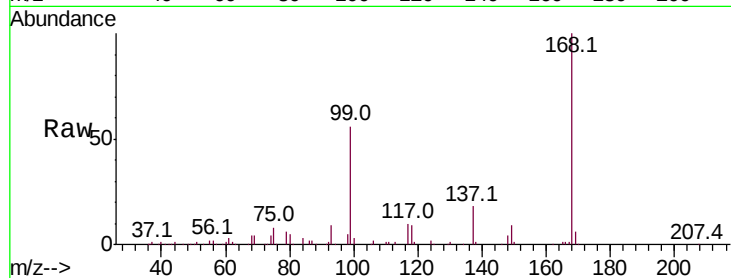
CG-SOIL

Tot Ion:168 Resp: 514863

Ion Ratio Lower Upper

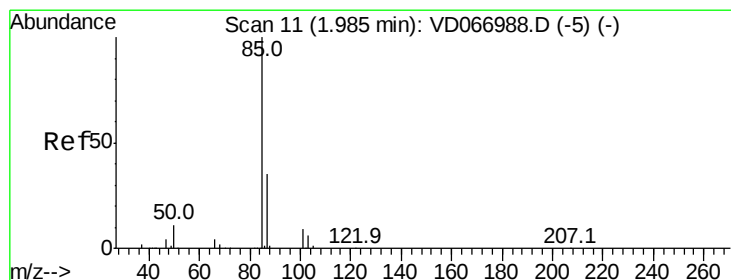
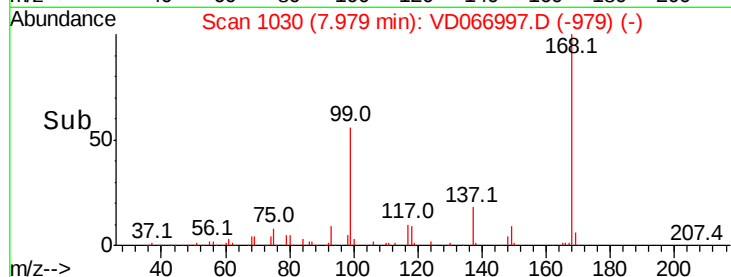
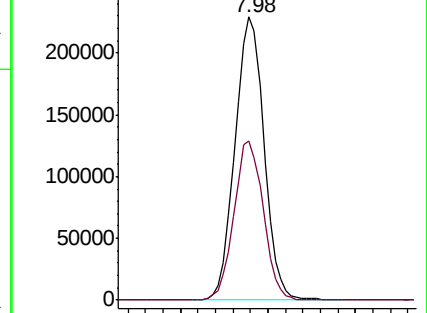
168 100

99 56.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066997.D

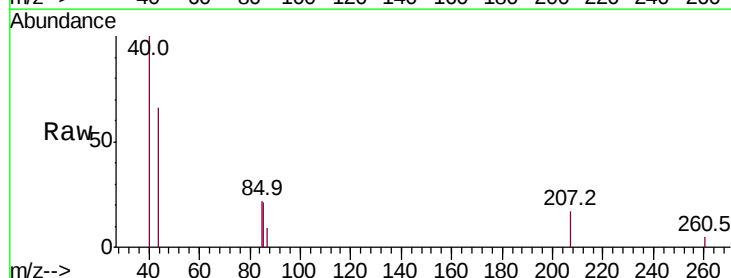
Acq: 01 Oct 2020 17:20

Tgt Ion: 85 Resp: 1554

Ion Ratio Lower Upper

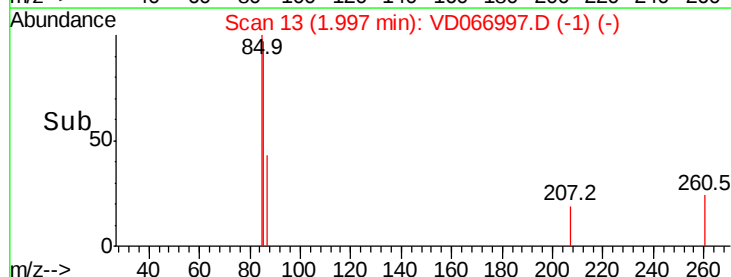
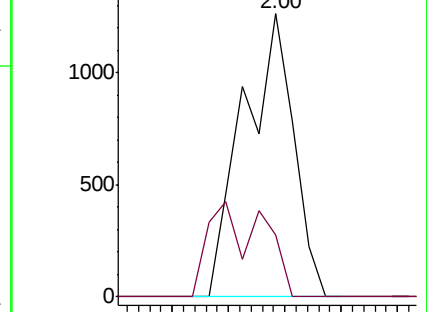
85 100

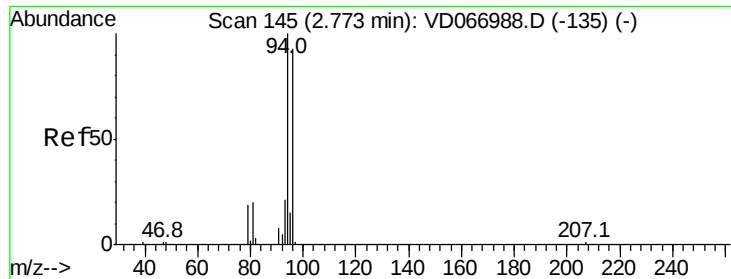
87 22.0 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066997.D

Acq: 01 Oct 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

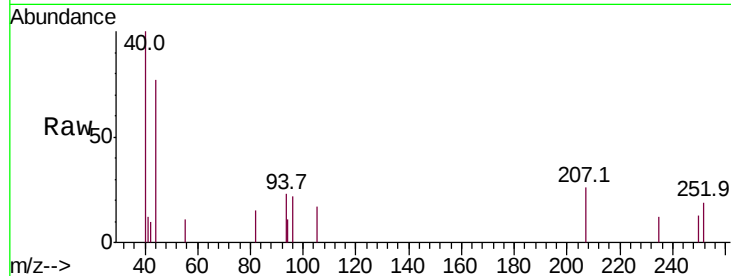
CG-SOIL

Tot Ion: 94 Resp: 1146

Ion Ratio Lower Upper

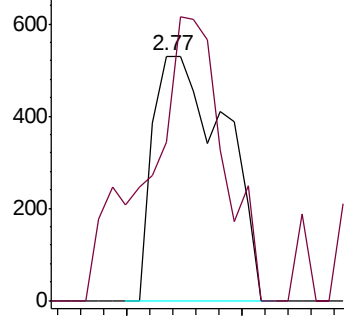
94 100

96 64.8 74.6 112.0#

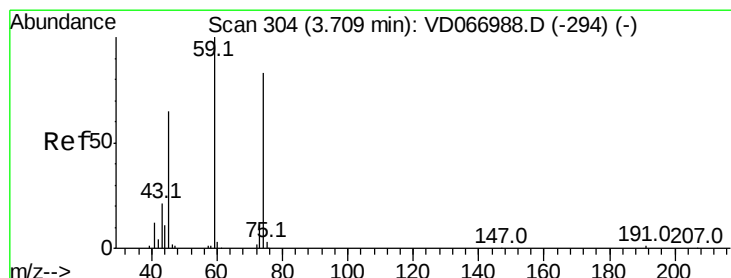
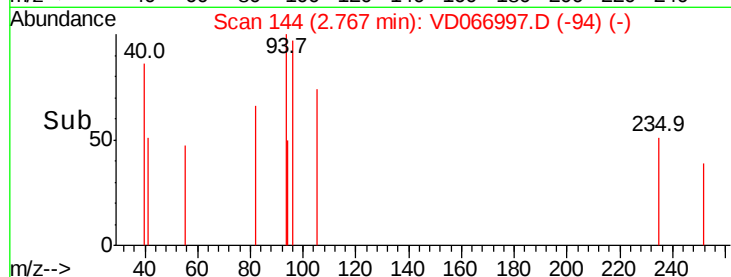


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#8

Diethyl Ether

Concen: 2.402 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066997.D

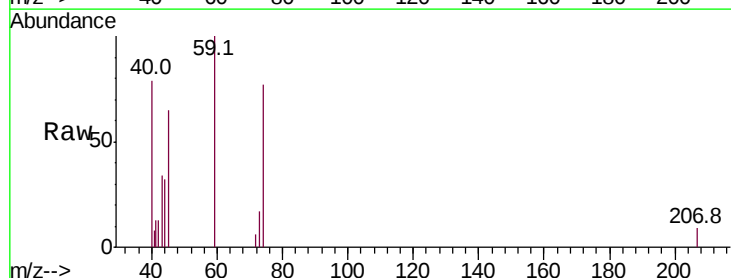
Acq: 01 Oct 2020 17:20

Tgt Ion: 74 Resp: 5440

Ion Ratio Lower Upper

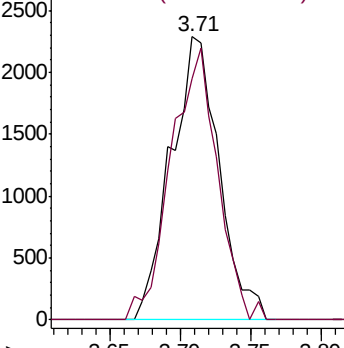
74 100

45 93.4 43.1 129.3

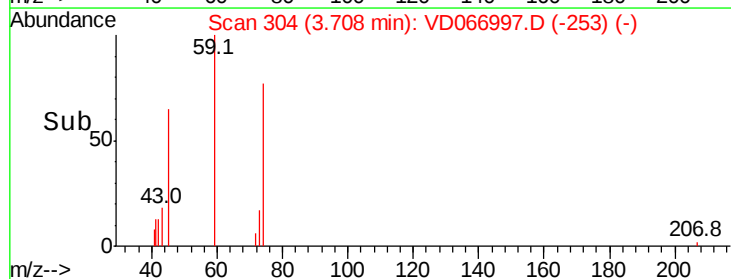


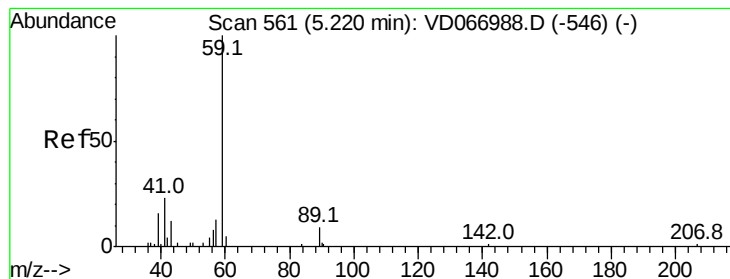
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->



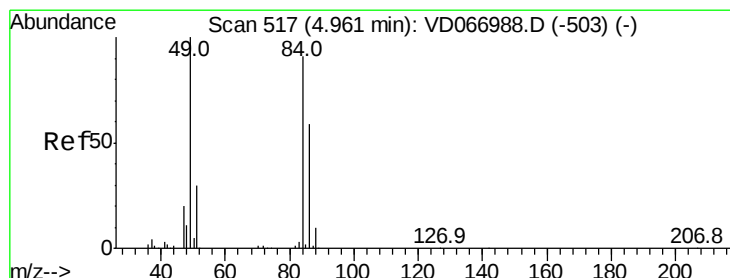
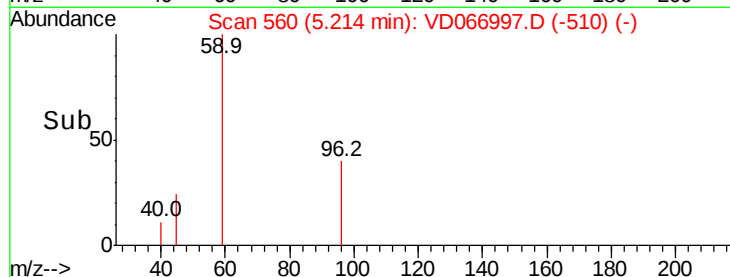
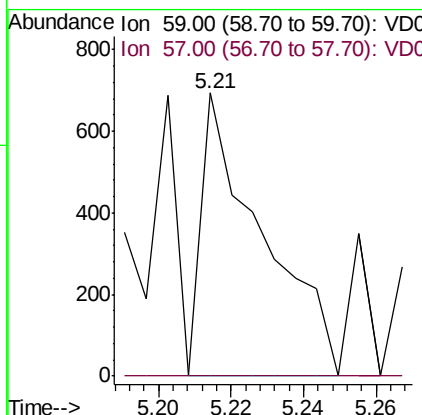
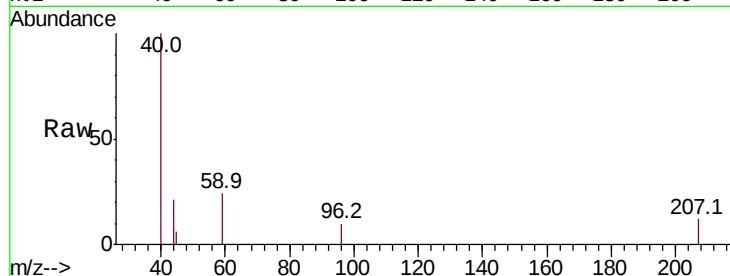


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066997.D
 Acq: 01 Oct 2020 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 CG-SOIL

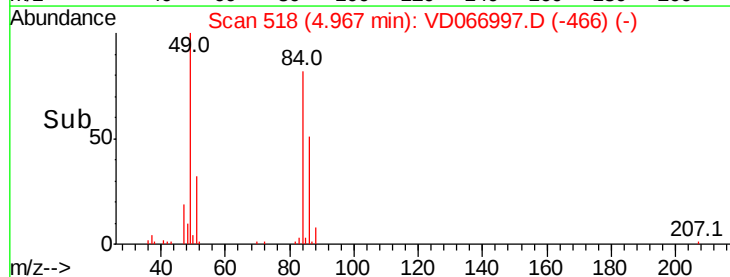
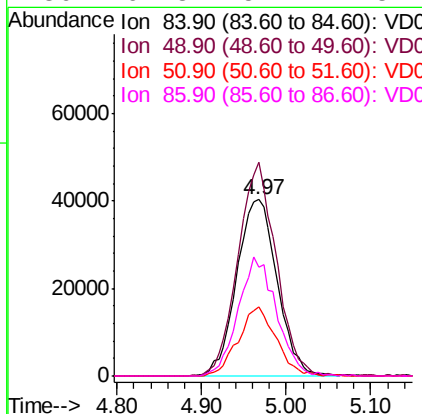
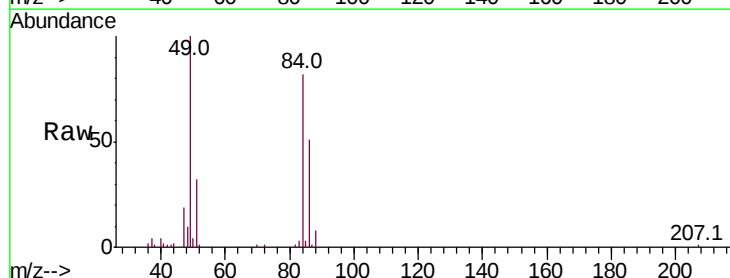
Tot Ion: 59 Resp: 803
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

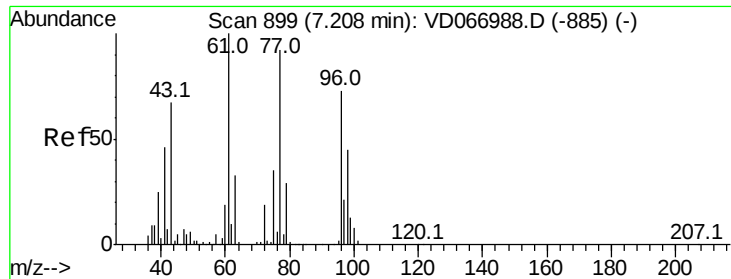


#20

Methylene Chloride
 Concen: 20.735 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD066997.D
 Acq: 01 Oct 2020 17:20

Tgt Ion: 84 Resp: 134260
 Ion Ratio Lower Upper
 84 100
 49 121.3 88.2 132.2
 51 39.3 26.6 39.8
 86 61.8 52.1 78.1

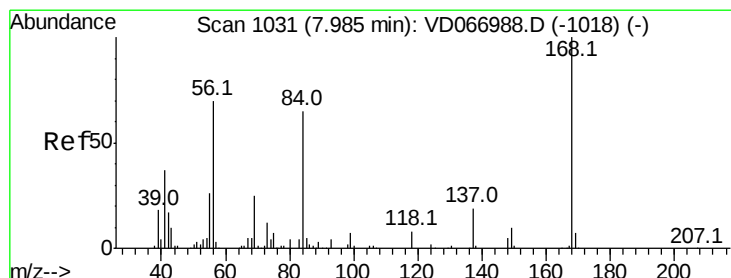
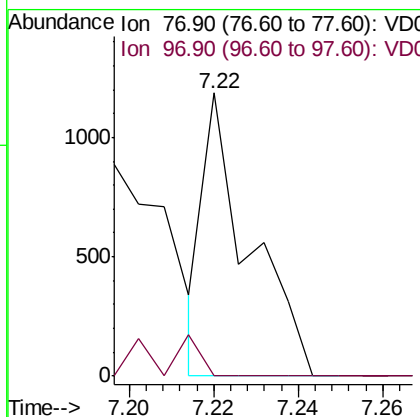
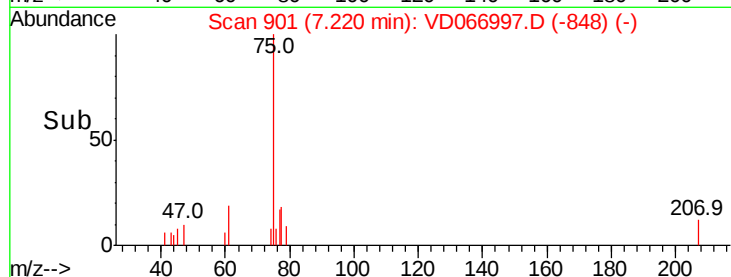
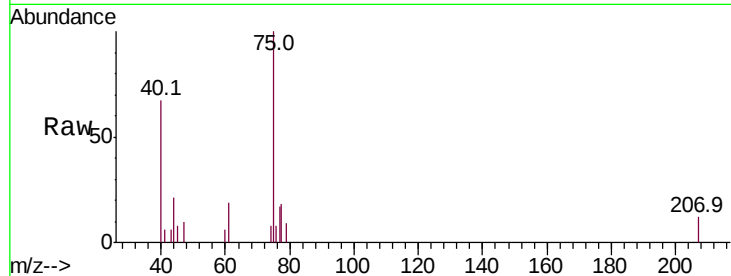




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066997.D
Acq: 01 Oct 2020 17:20

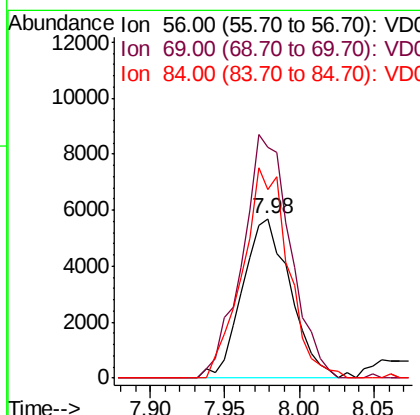
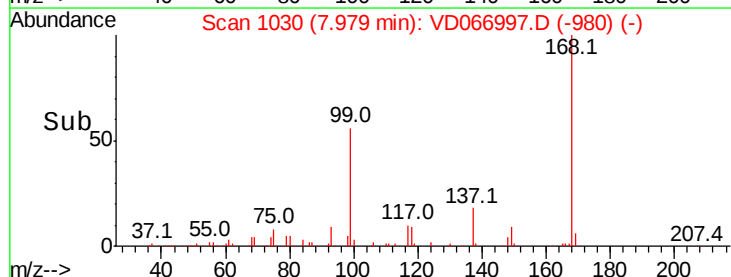
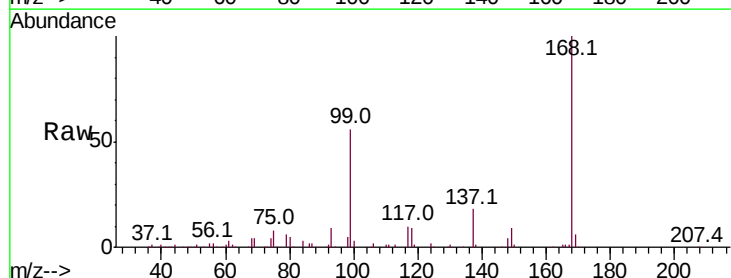
Instrument :
MSVOA_D
ClientSampled :
CG-SOIL

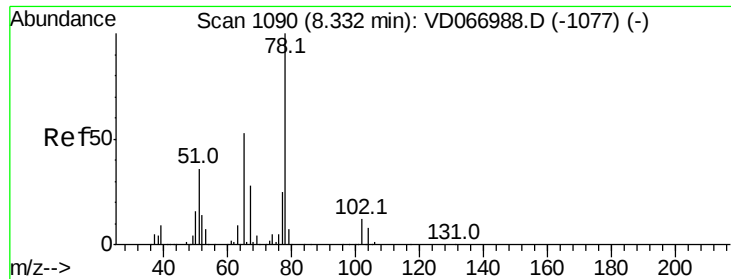
Tot Ion: 77 Resp: 892
Ion Ratio Lower Upper
77 100
97 13.2 11.4 34.2



#31
Cyclohexane
Concen: 1.706 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066997.D
Acq: 01 Oct 2020 17:20

Tgt Ion: 56 Resp: 12706
Ion Ratio Lower Upper
56 100
69 144.5 29.0 43.6#
84 117.8 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 49.649 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066997.D

Acq: 01 Oct 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

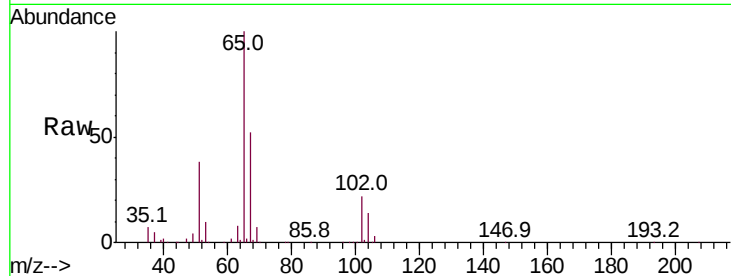
CG-SOIL

Tot Ion: 65 Resp: 246214

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

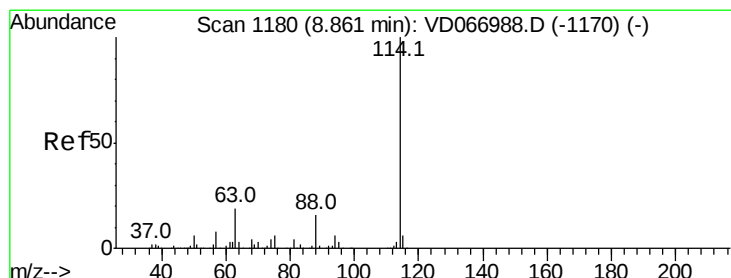
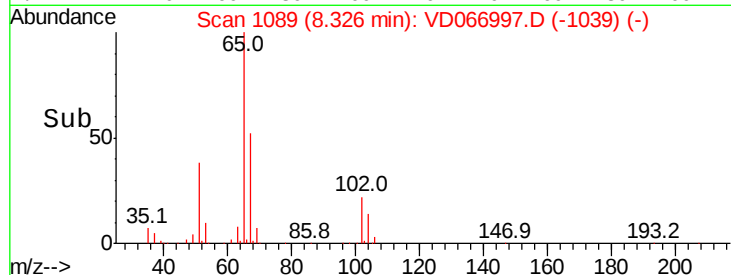
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066997.D

Acq: 01 Oct 2020 17:20

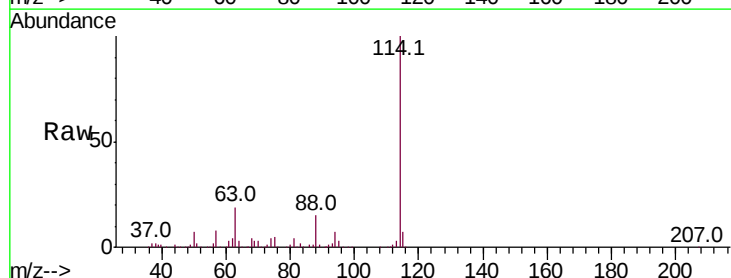
Tgt Ion:114 Resp: 849593

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 15.2 0.0 31.2



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

8.86

500000

400000

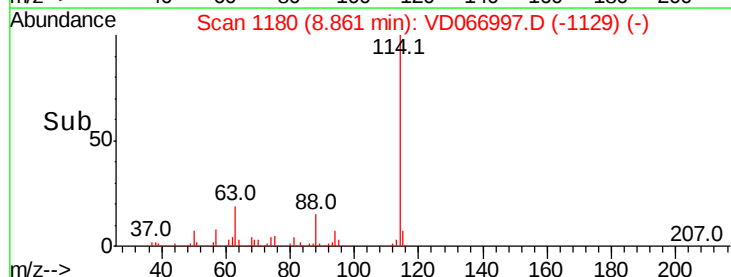
300000

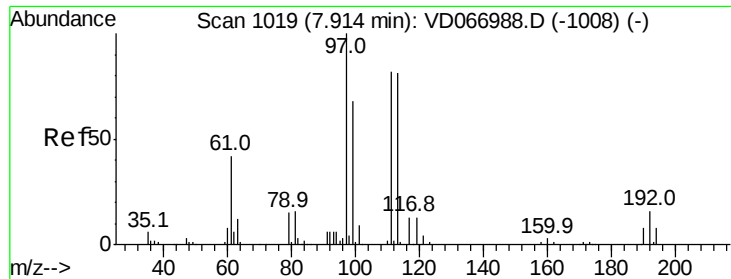
200000

100000

0

Time--> 8.80 8.90

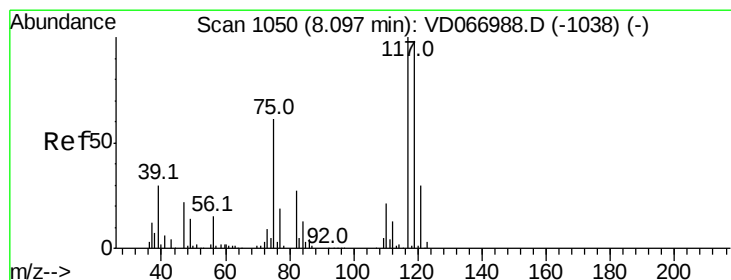
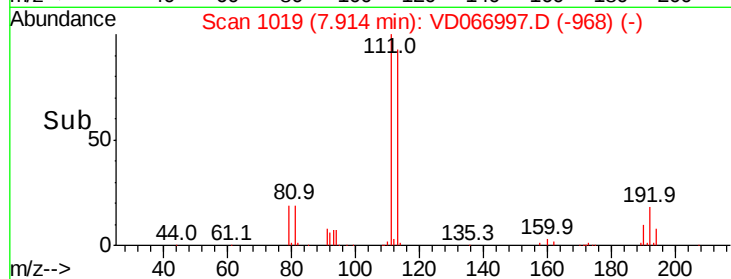
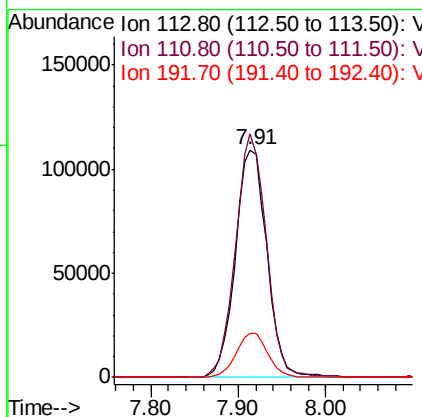
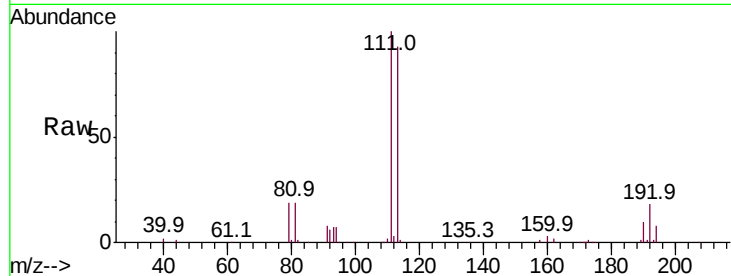




#35
 Dibromofluoromethane
 Concen: 47.782 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066997.D
 Acq: 01 Oct 2020 17:20

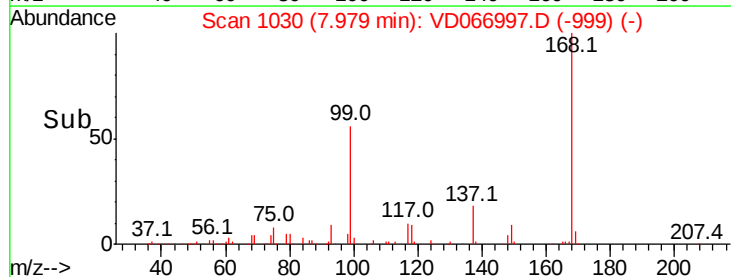
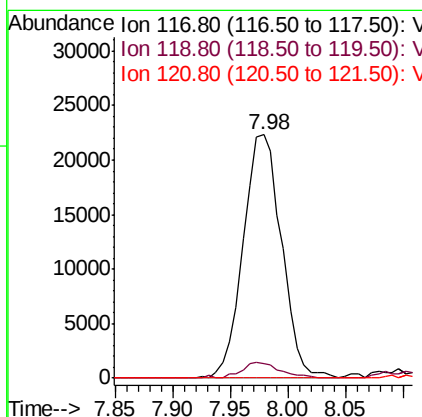
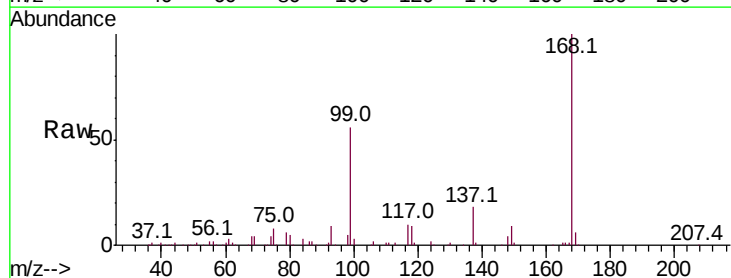
Instrument :
 MSVOA_D
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 CG-SOIL

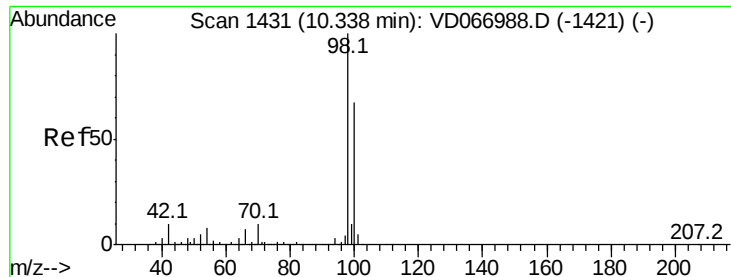
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.0	124.4
192	19.6	15.5	23.3



#38
 Carbon Tetrachloride
 Concen: 6.029 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066997.D
 Acq: 01 Oct 2020 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.7	118.1#
121	0.0	24.2	36.2#

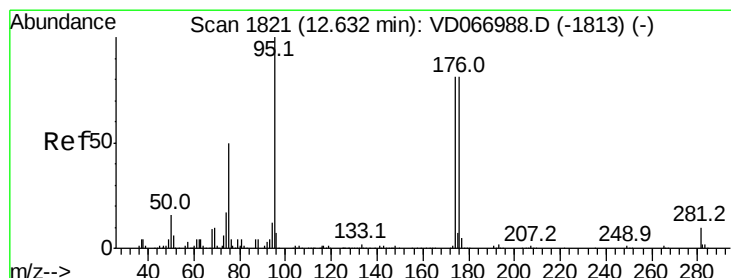
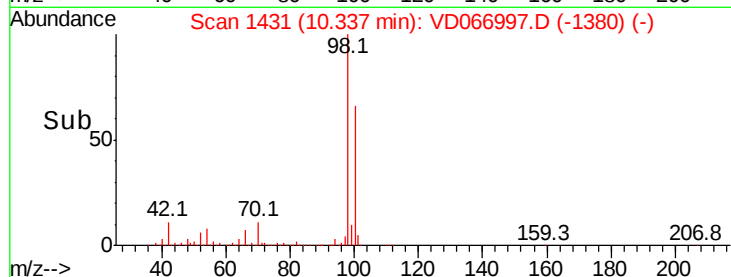
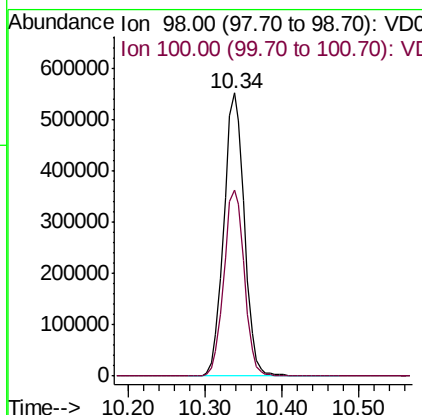
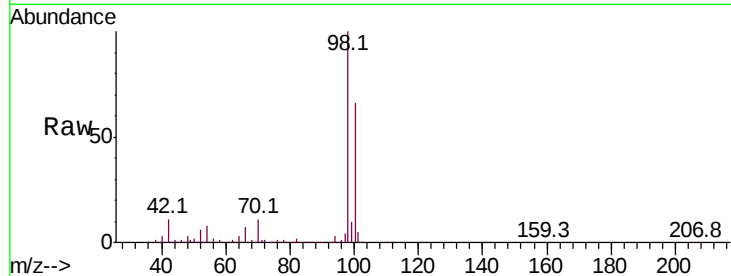




#50
Toluene-d8
Concen: 50.434 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066997.D
Acq: 01 Oct 2020 17:20

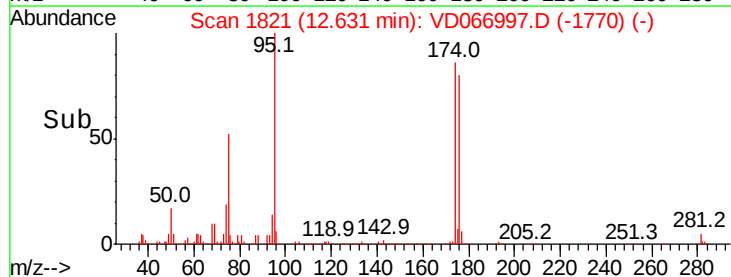
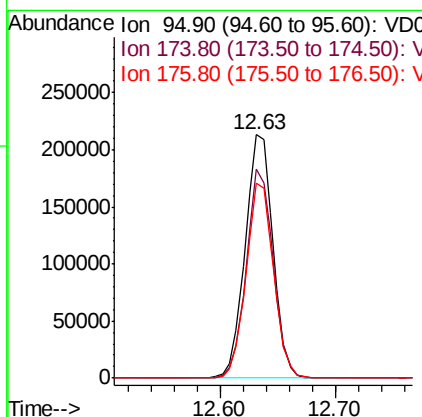
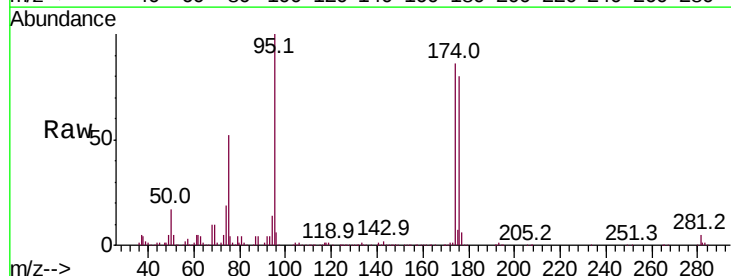
Instrument :
MSVOA_D
ClientSampleId :
CG-SOIL

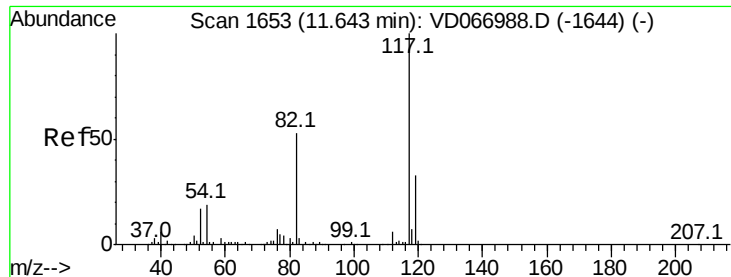
Tot Ion: 98 Resp: 1022182
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.748 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066997.D
Acq: 01 Oct 2020 17:20

Tgt Ion: 95 Resp: 356049
Ion Ratio Lower Upper
95 100
174 83.4 0.0 167.6
176 79.3 0.0 162.4

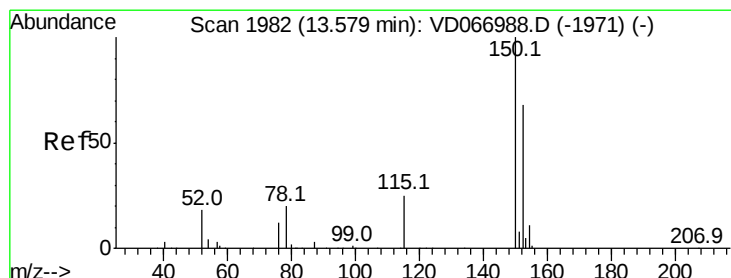
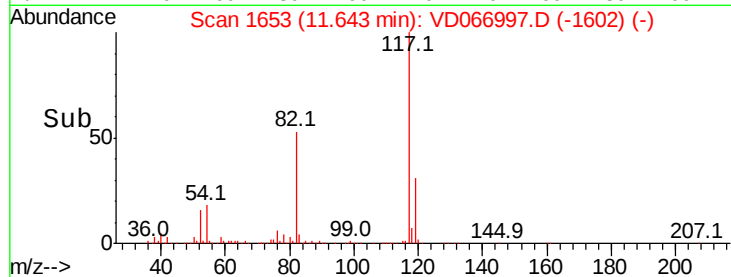
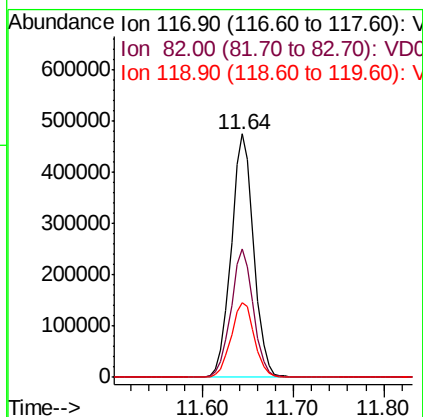
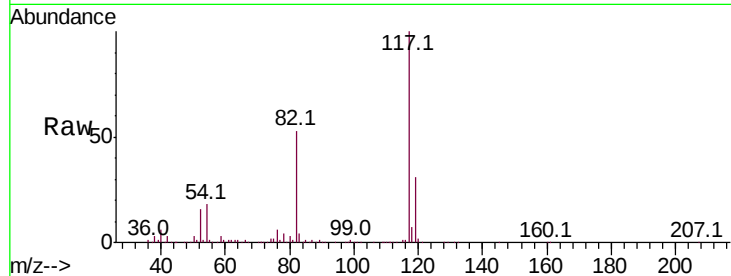




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066997.D
Acq: 01 Oct 2020 17:20

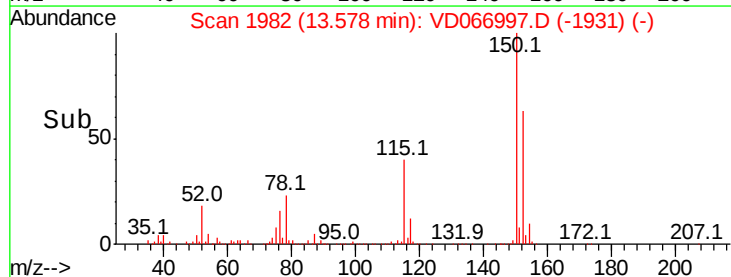
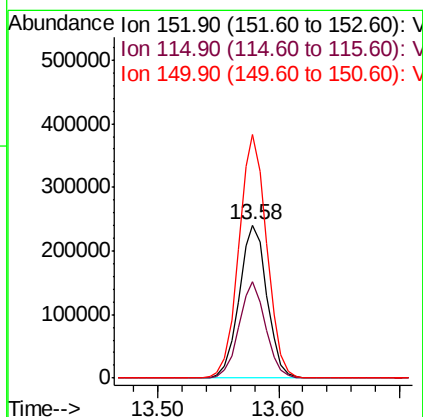
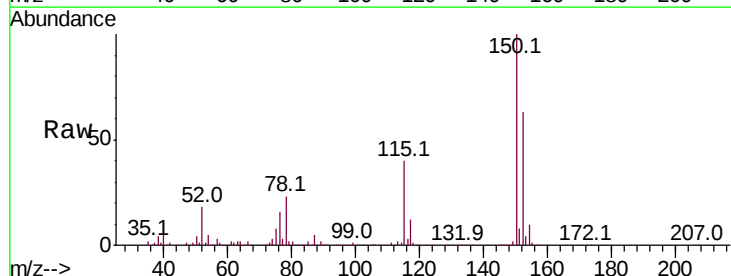
Instrument :
MSVOA_D
ClientSampleId :
CG-SOIL

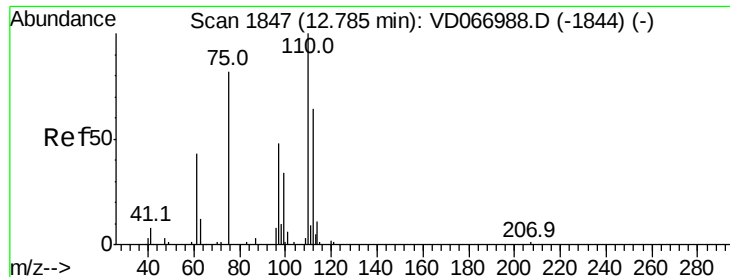
Tot Ion:117 Resp: 820315
Ion Ratio Lower Upper
117 100
82 52.9 42.6 63.8
119 30.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066997.D
Acq: 01 Oct 2020 17:20

Tgt Ion:152 Resp: 384355
Ion Ratio Lower Upper
152 100
115 60.8 29.6 88.8
150 159.5 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 53.725 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066997.D

Acq: 01 Oct 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

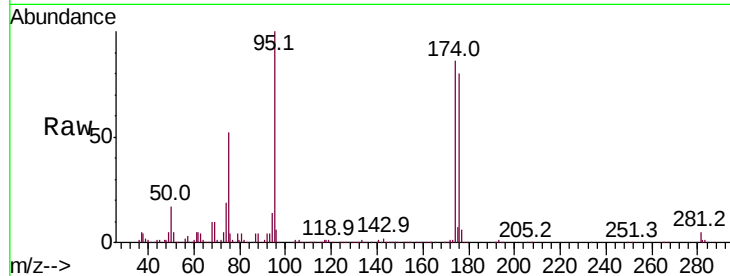
CG-SOIL

Tot Ion: 75 Resp: 179863

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

120000

100000

80000

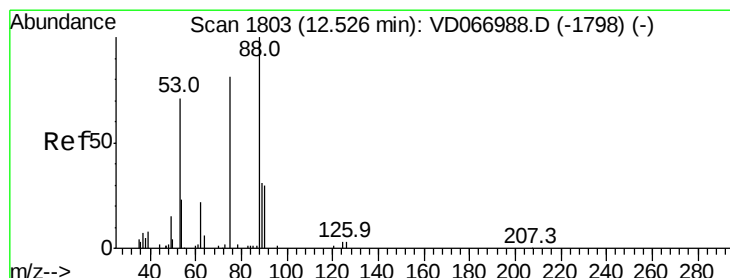
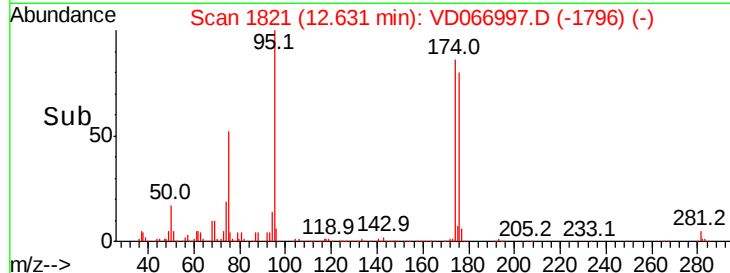
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 133.943 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD066997.D

Acq: 01 Oct 2020 17:20

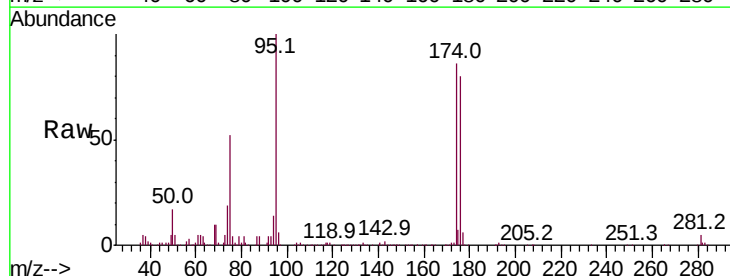
Tgt Ion: 75 Resp: 179863

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.2 38.9 58.3#



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

150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70

