

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067082.D
 Acq On : 05 Oct 2020 14:35
 Operator : VA/SY
 Sample : L4248-01
 Misc : 6.82G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 NP-SOIL

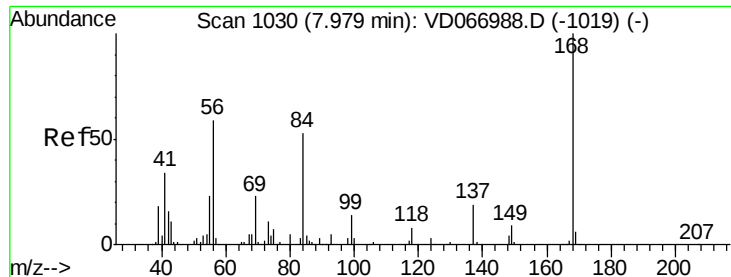
Quant Time: Oct 06 07:18:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	553272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	921996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	834186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	344375	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	251920	47.27	ug/l	0.00
Spiked Amount						
			Recovery	=	94.54%	
35) Dibromofluoromethane	7.92	113	286814	47.52	ug/l	0.00
Spiked Amount						
			Recovery	=	95.04%	
50) Toluene-d8	10.34	98	1078978	49.06	ug/l	0.00
Spiked Amount						
			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.64	95	355258	47.58	ug/l	0.00
Spiked Amount						
			Recovery	=	95.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2913	Below Cal		84
5) Bromomethane	2.78	94	1986	Below Cal	#	76
8) Diethyl Ether	3.72	74	4245	1.744	ug/l	83
11) Tert butyl alcohol	5.22	59	955	Below Cal	#	72
16) Acetone	4.17	43	2228	2.739	ug/l	# 70
20) Methylene Chloride	4.96	84	31876	Below Cal		92
26) 2,2-Dichloropropane	7.21	77	4238	Below Cal		81
31) Cyclohexane	7.97	56	13593	1.698	ug/l	# 29
59) 2-Hexanone	10.95	43	2241	1.229	ug/l	# 46
76) 1,2,3-Trichloropropane	12.64	75	169293	56.438	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	169293	140.707	ug/l	# 13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067082.D

Acq: 05 Oct 2020 14:35

Instrument :

MSVOA_D

ClientSampled :

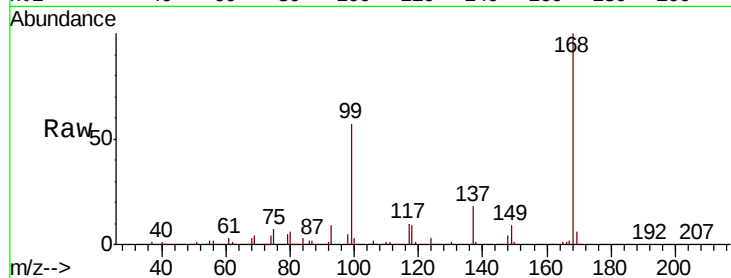
NP-SOIL

Tot Ion:168 Resp: 553272

Ion Ratio Lower Upper

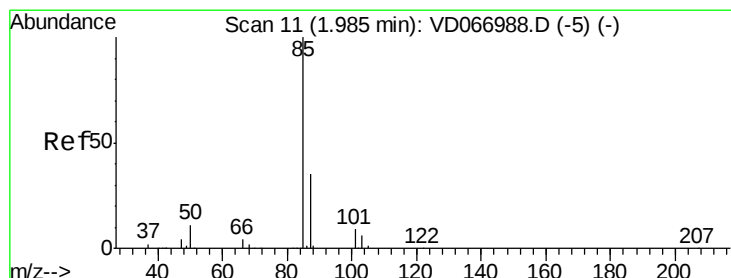
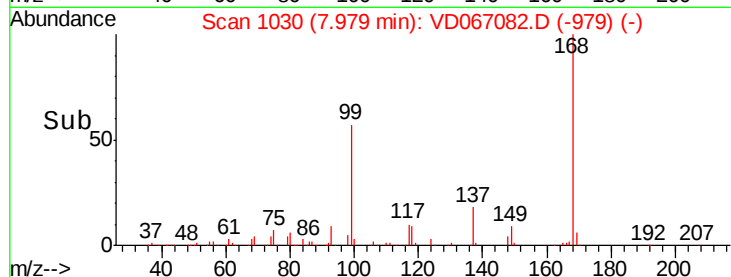
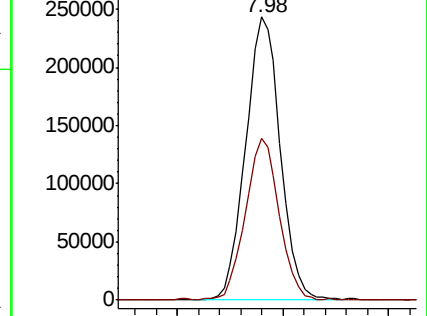
168 100

99 57.0 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: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067082.D

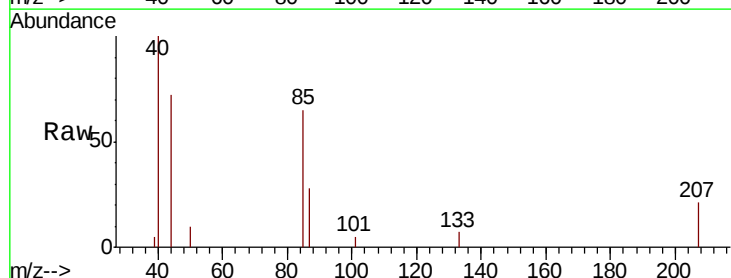
Acq: 05 Oct 2020 14:35

Tgt Ion: 85 Resp: 2913

Ion Ratio Lower Upper

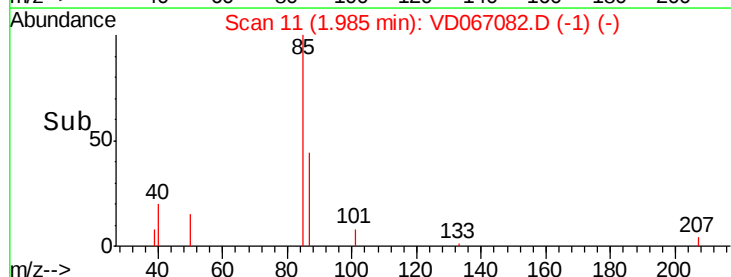
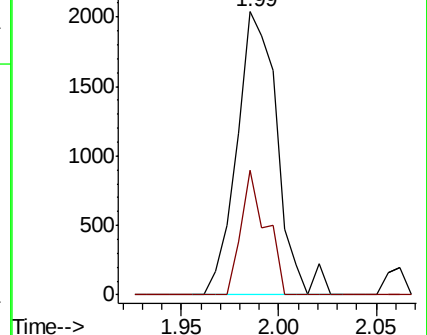
85 100

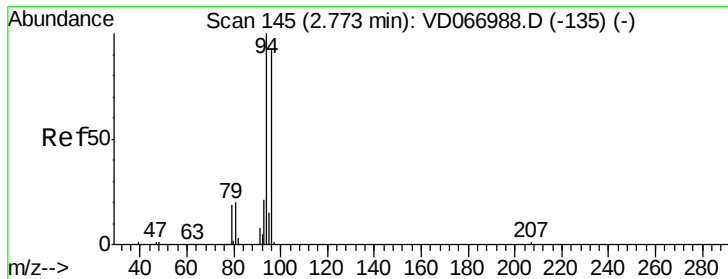
87 43.9 17.3 52.0



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: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067082.D

Acq: 05 Oct 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

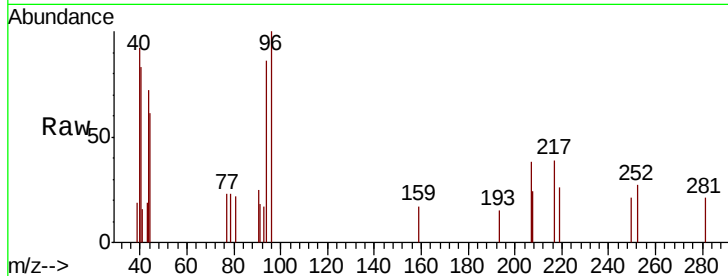
NP-SOIL

Tot Ion: 94 Resp: 1986

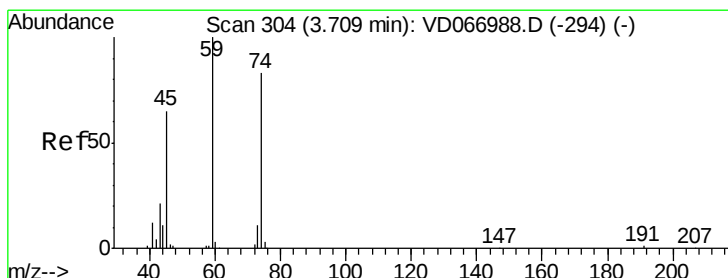
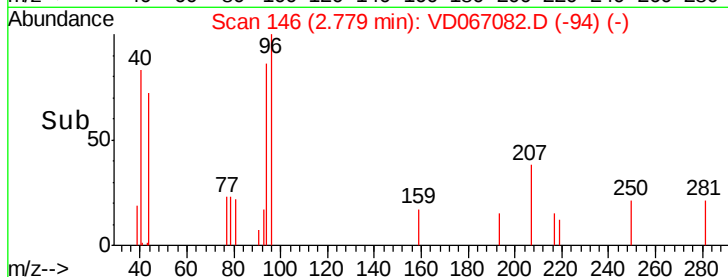
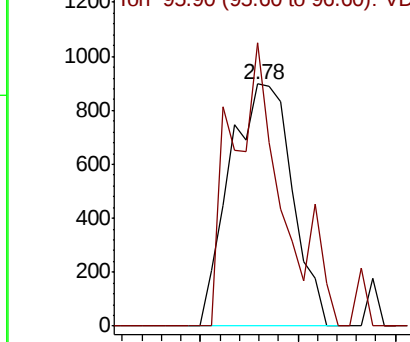
Ion Ratio Lower Upper

94 100

96 116.8 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.744 ug/l

RT: 3.72 min Scan# 306

Delta R.T. 0.01 min

Lab File: VD067082.D

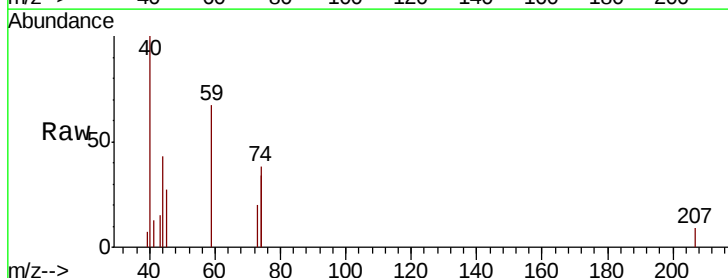
Acq: 05 Oct 2020 14:35

Tgt Ion: 74 Resp: 4245

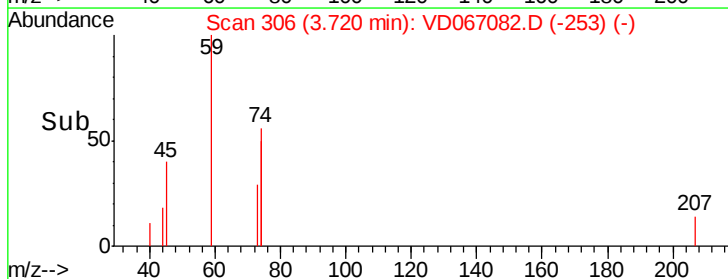
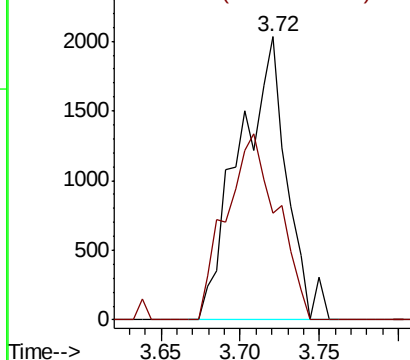
Ion Ratio Lower Upper

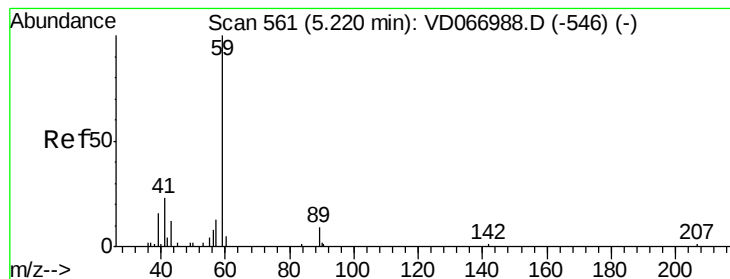
74 100

45 70.9 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC



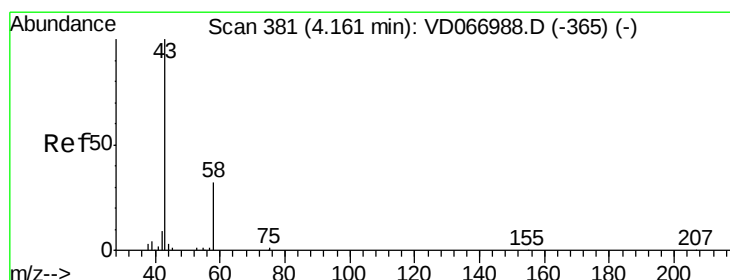
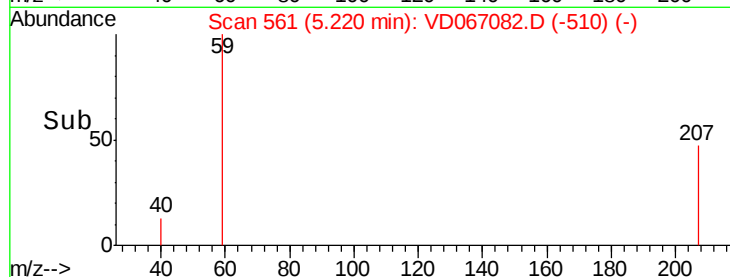
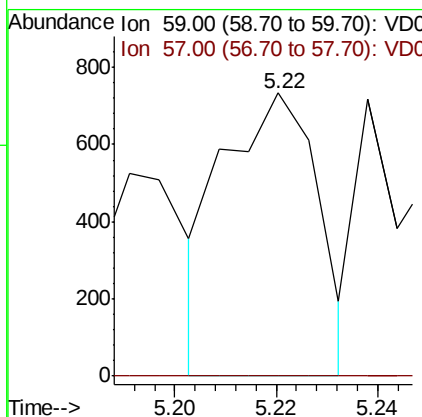
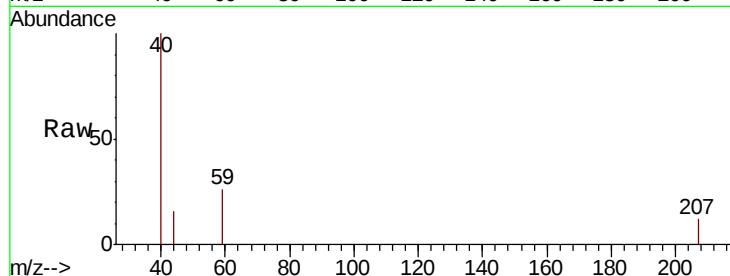


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067082.D
 Acq: 05 Oct 2020 14:35

Instrument :
 MSVOA_D
 ClientSampleId :
 NP-SOIL

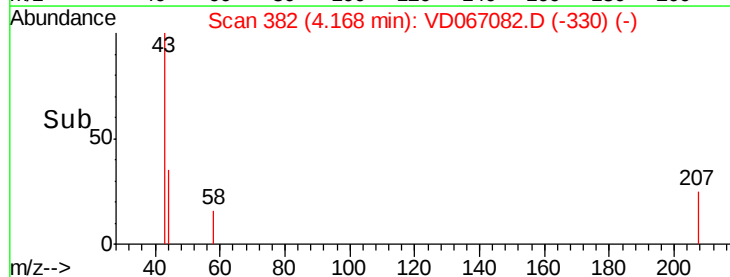
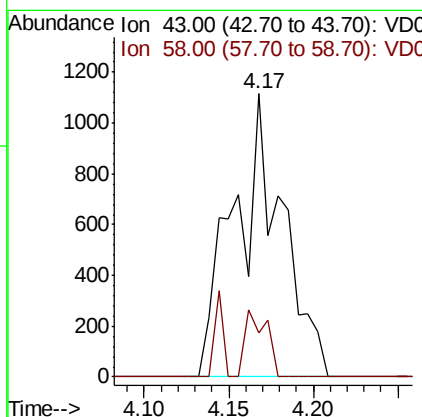
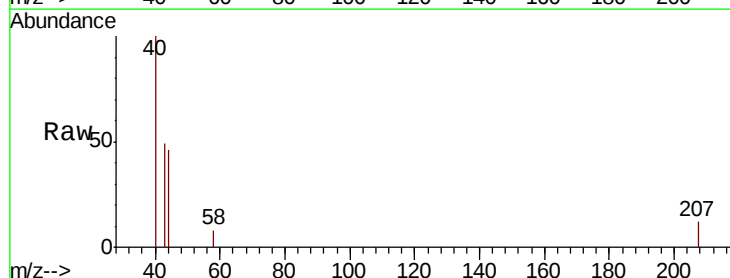
Tot Ion: 59 Resp: 955
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

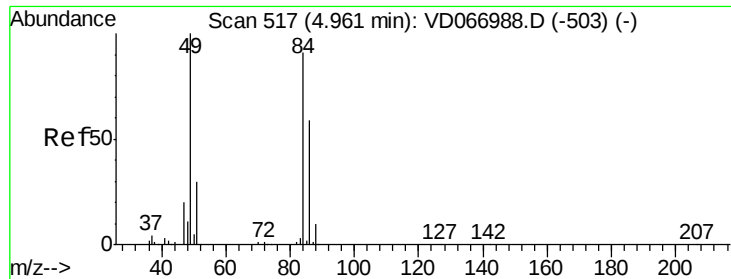


#16

Acetone
 Concen: 2.739 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD067082.D
 Acq: 05 Oct 2020 14:35

Tgt Ion: 43 Resp: 2228
 Ion Ratio Lower Upper
 43 100
 58 15.7 25.9 38.9#

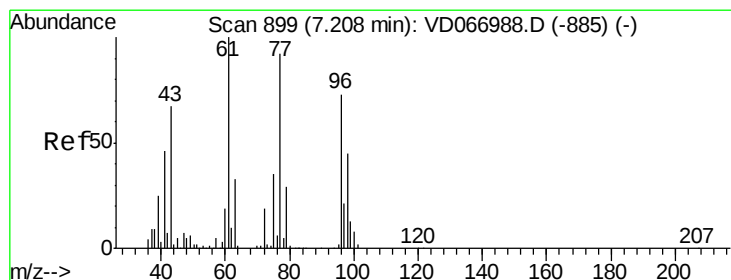
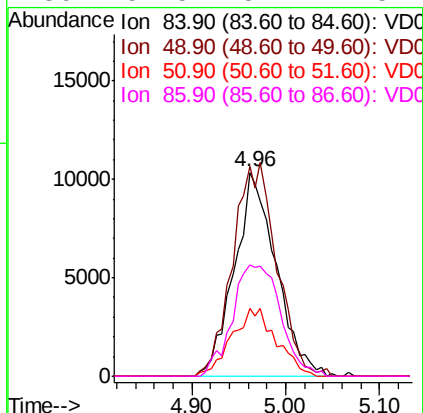
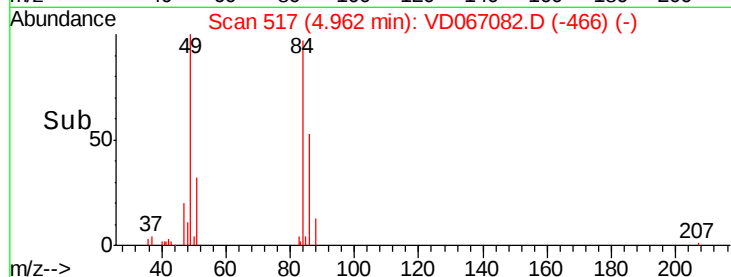
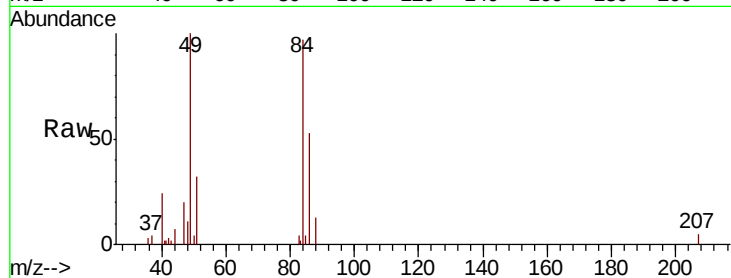




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067082.D
Acq: 05 Oct 2020 14:35

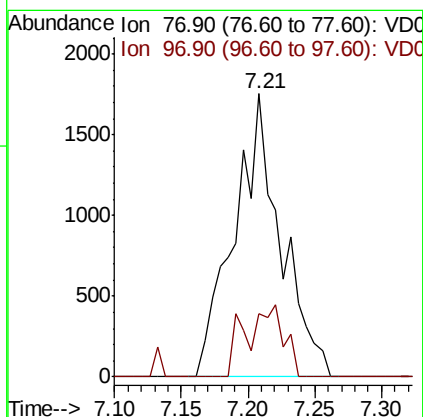
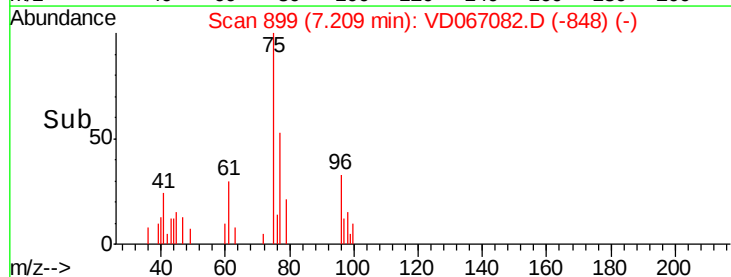
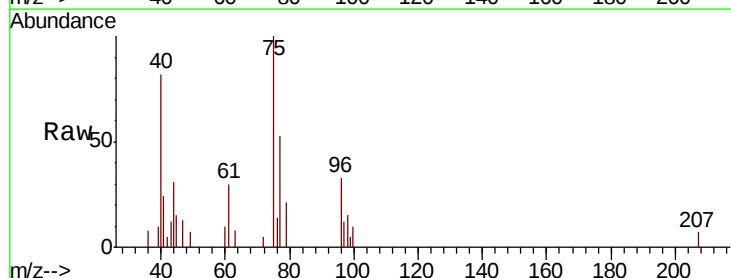
Instrument :
MSVOA_D
ClientSampleId :
NP-SOIL

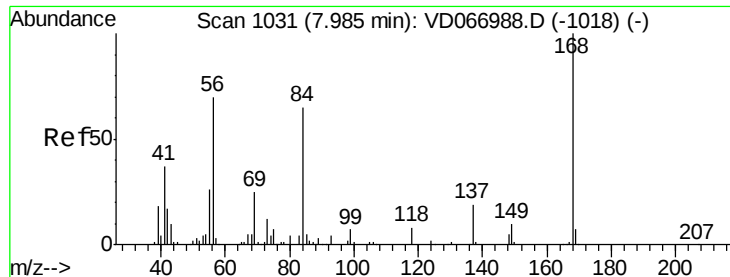
Tot Ion: 84 Resp: 31876
Ion Ratio Lower Upper
84 100
49 103.0 88.2 132.2
51 33.3 26.6 39.8
86 54.5 52.1 78.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067082.D
Acq: 05 Oct 2020 14:35

Tgt Ion: 77 Resp: 4238
Ion Ratio Lower Upper
77 100
97 13.8 11.4 34.2

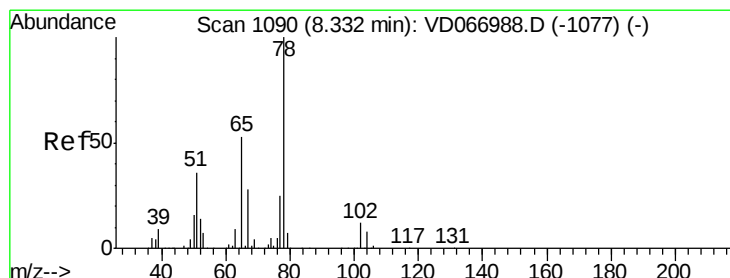
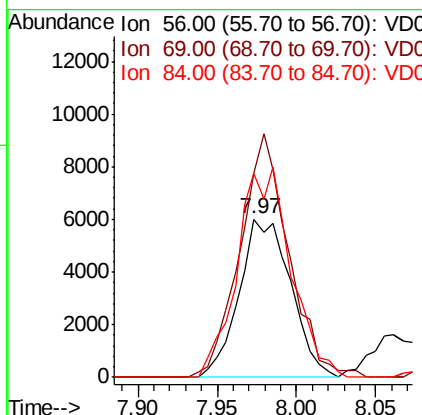
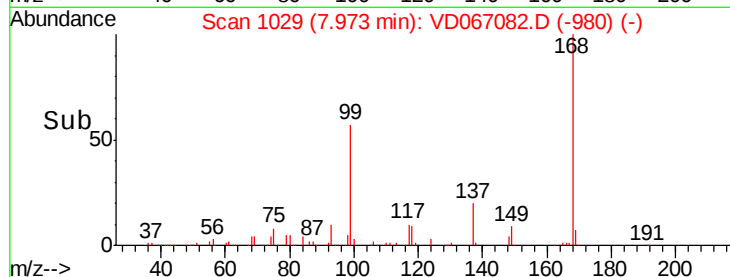
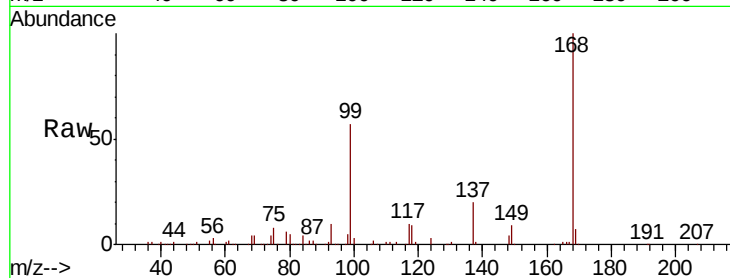




#31
Cyclohexane
Concen: 1.698 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067082.D
Acq: 05 Oct 2020 14:35

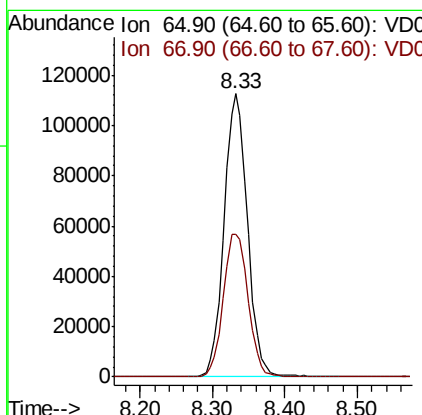
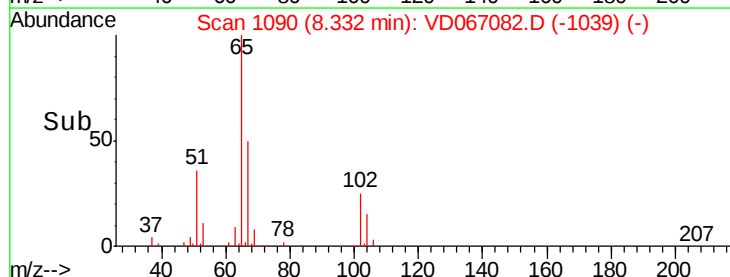
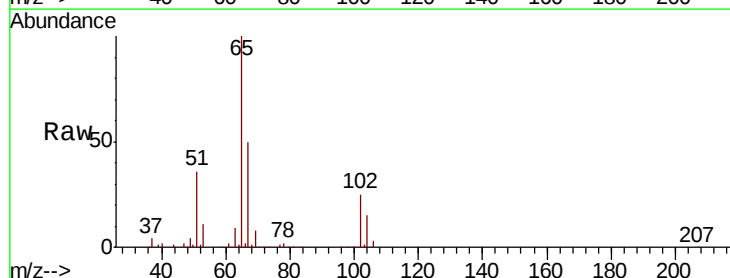
Instrument :
MSVOA_D
ClientSampleId :
NP-SOIL

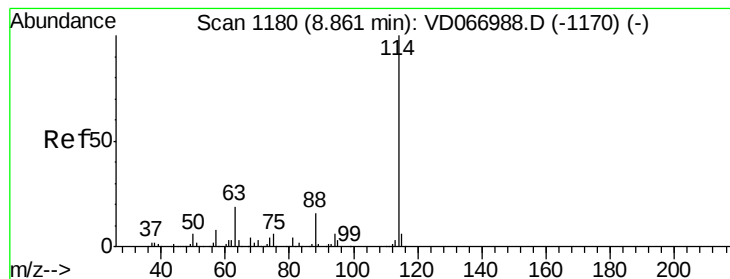
Tot Ion: 56 Resp: 13593
Ion Ratio Lower Upper
56 100
69 129.3 29.0 43.6#
84 128.9 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 47.273 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067082.D
Acq: 05 Oct 2020 14:35

Tgt Ion: 65 Resp: 251920
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067082.D

Acq: 05 Oct 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

NP-SOIL

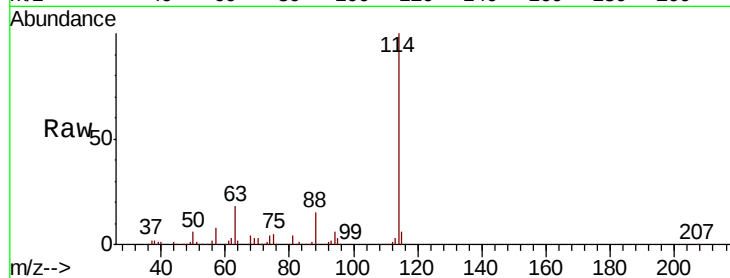
Tot Ion:114 Resp: 921996

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

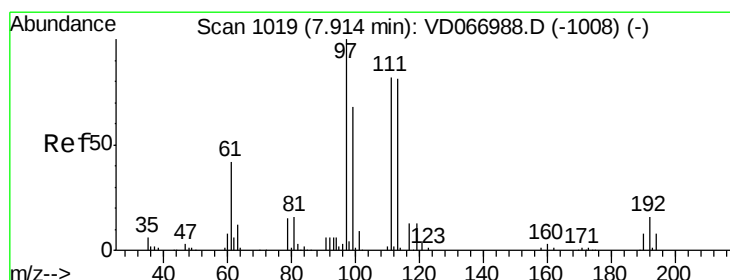
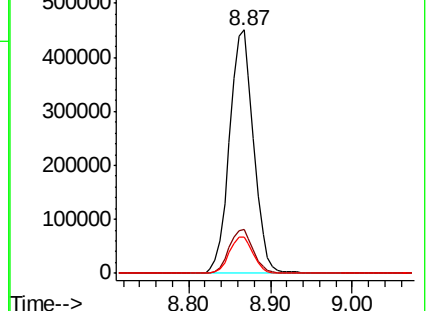
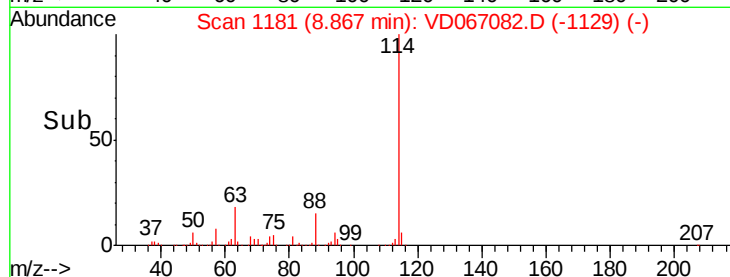
88 14.9 0.0 31.2



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: 47.516 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067082.D

Acq: 05 Oct 2020 14:35

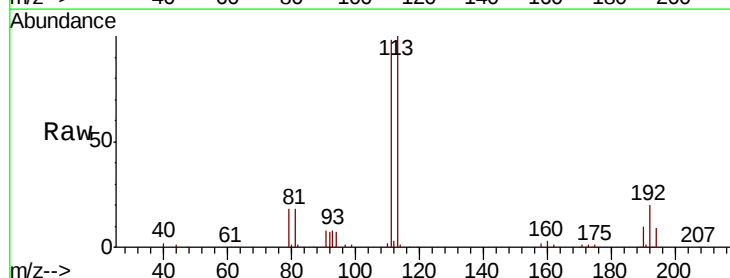
Tgt Ion:113 Resp: 286814

Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.4

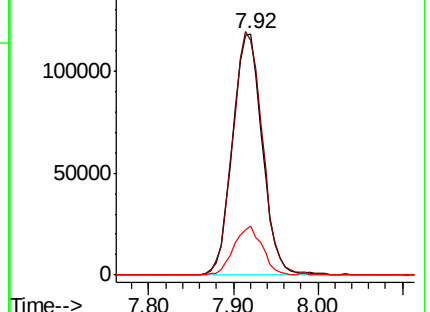
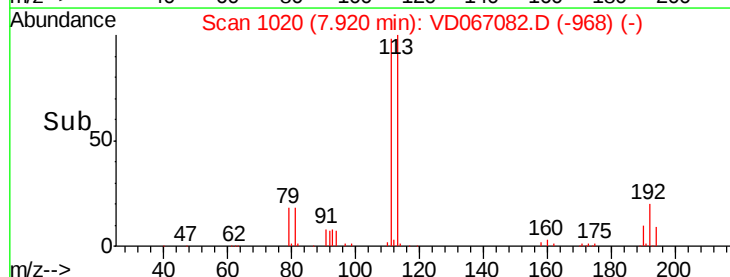
192 19.4 15.5 23.3

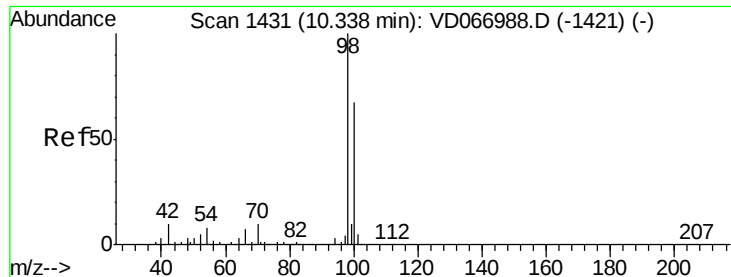


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

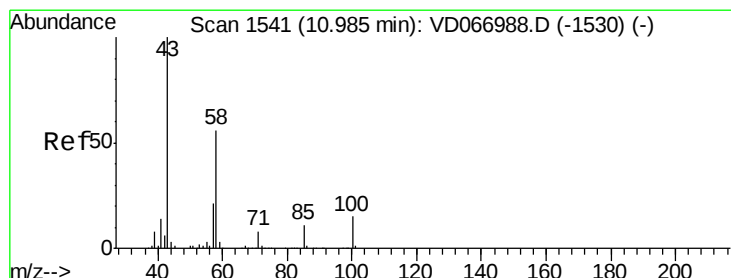
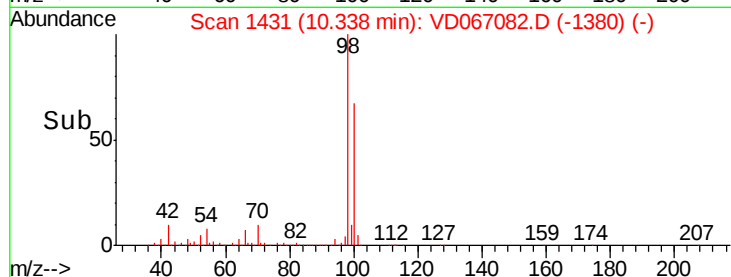
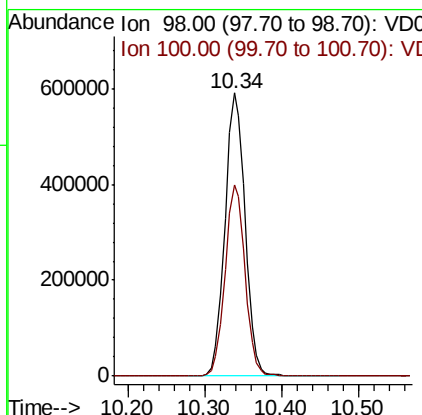
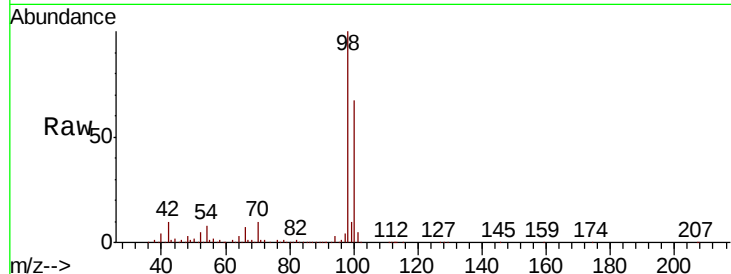




#50
Toluene-d8
Concen: 49.056 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067082.D
Acq: 05 Oct 2020 14:35

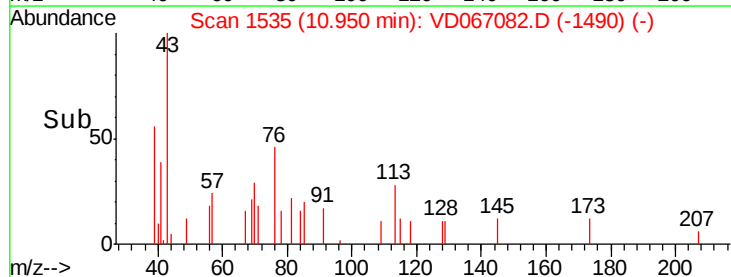
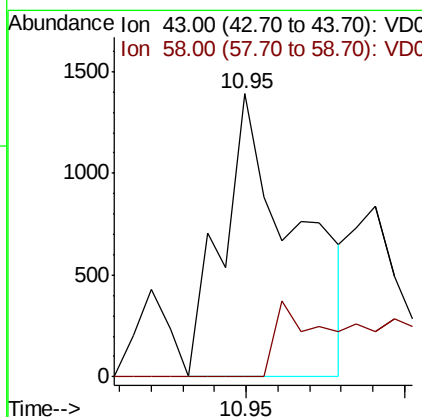
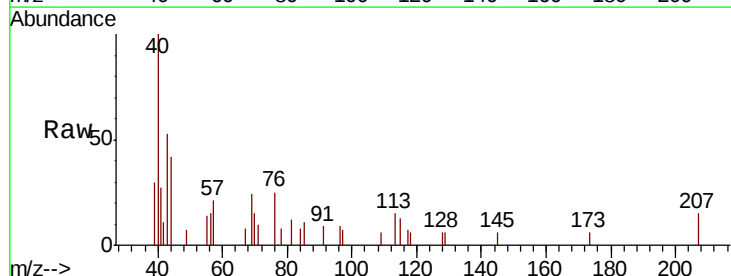
Instrument :
MSVOA_D
ClientSampleId :
NP-SOIL

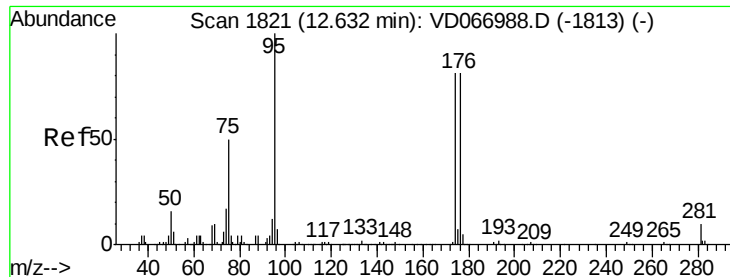
Tot Ion: 98 Resp: 1078978
Ion Ratio Lower Upper
98 100
100 67.0 52.8 79.2



#59
2-Hexanone
Concen: 1.229 ug/l
RT: 10.95 min Scan# 1535
Delta R.T. -0.04 min
Lab File: VD067082.D
Acq: 05 Oct 2020 14:35

Tgt Ion: 43 Resp: 2241
Ion Ratio Lower Upper
43 100
58 16.7 28.3 84.9#

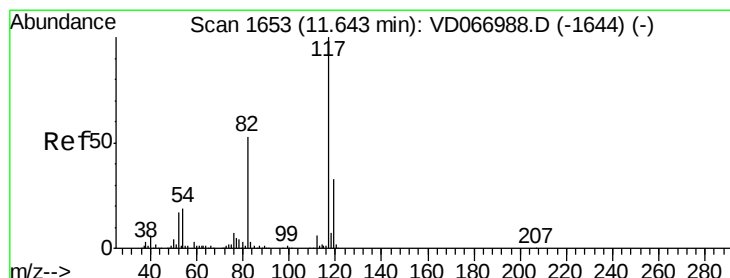
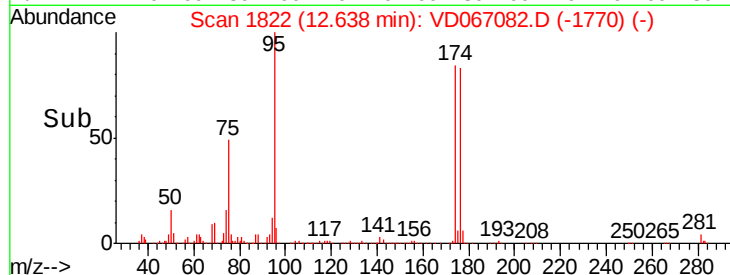
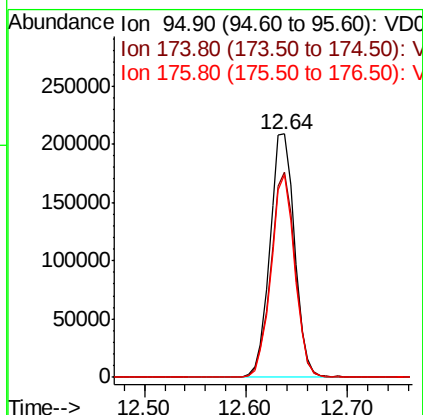
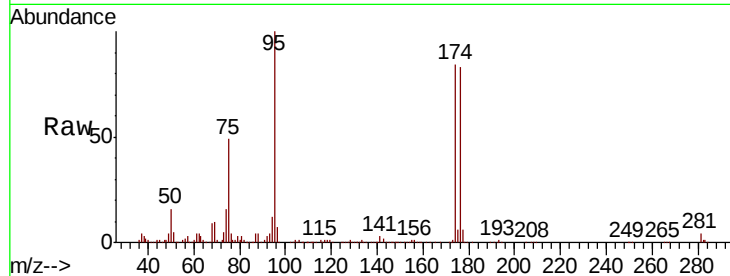




#62
4-Bromofluorobenzene
Concen: 47.579 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067082.D
Acq: 05 Oct 2020 14:35

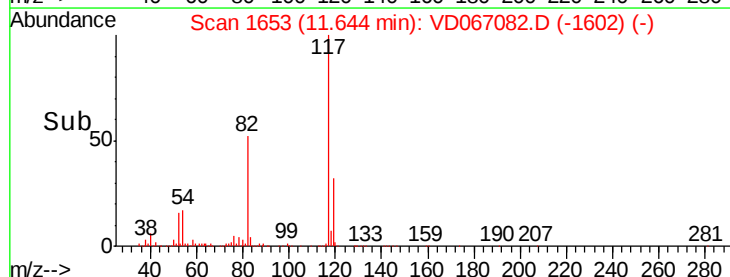
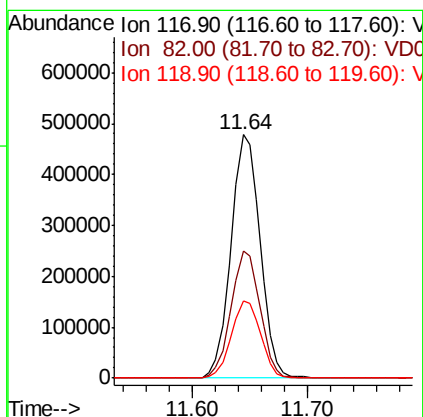
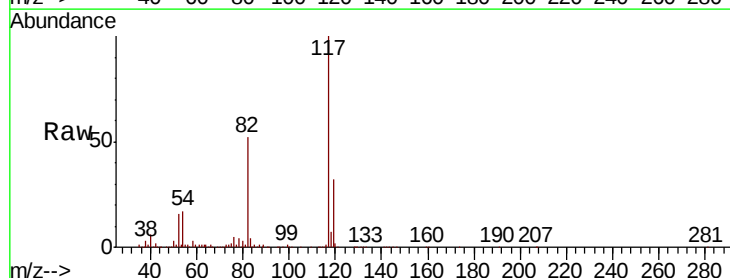
Instrument :
MSVOA_D
ClientSampled :
NP-SOIL

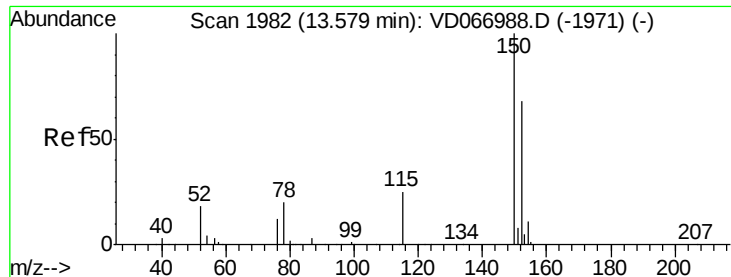
Tot Ion: 95 Resp: 355258
Ion Ratio Lower Upper
95 100
174 82.5 0.0 167.6
176 79.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067082.D
Acq: 05 Oct 2020 14:35

Tgt Ion: 117 Resp: 834186
Ion Ratio Lower Upper
117 100
82 52.2 42.6 63.8
119 31.8 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: VD067082.D

Acq: 05 Oct 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

NP-SOIL

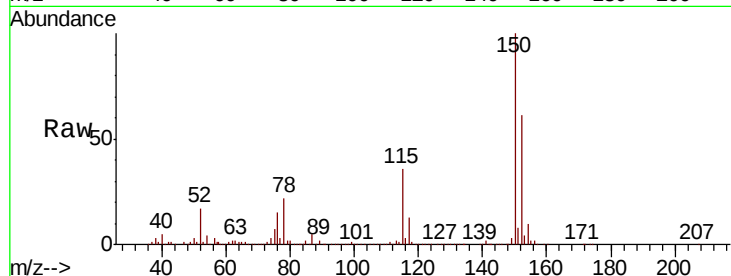
Tot Ion:152 Resp: 344375

Ion Ratio Lower Upper

152 100

115 59.3 29.6 88.8

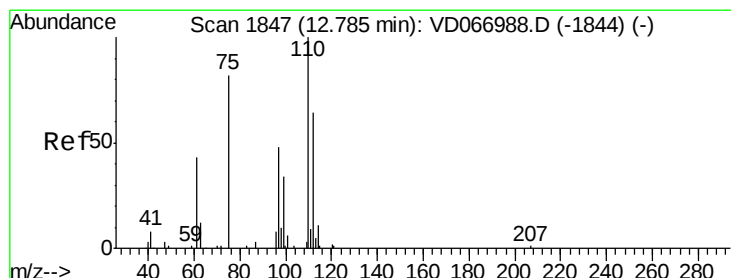
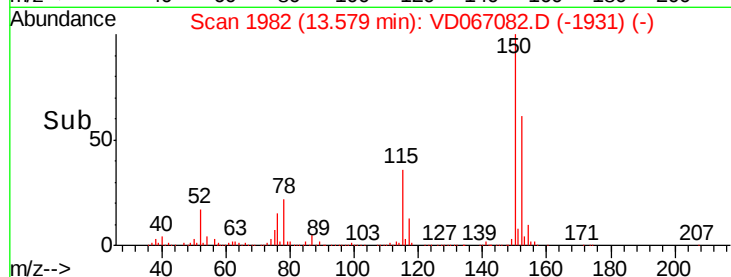
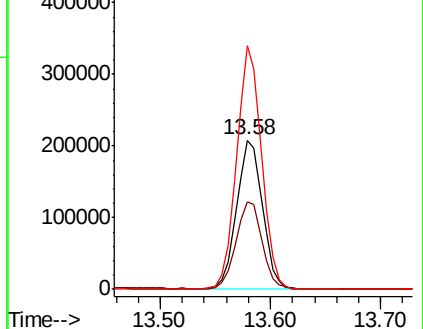
150 156.6 0.0 344.8



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: 56.438 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067082.D

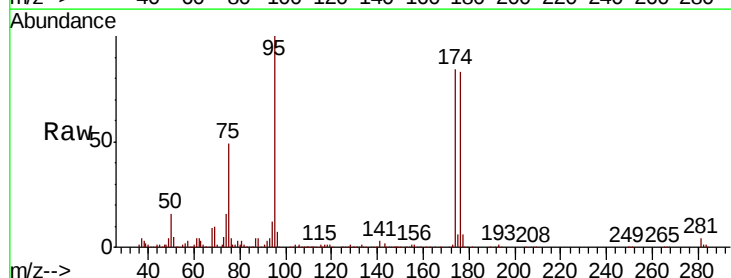
Acq: 05 Oct 2020 14:35

Tgt Ion: 75 Resp: 169293

Ion Ratio Lower Upper

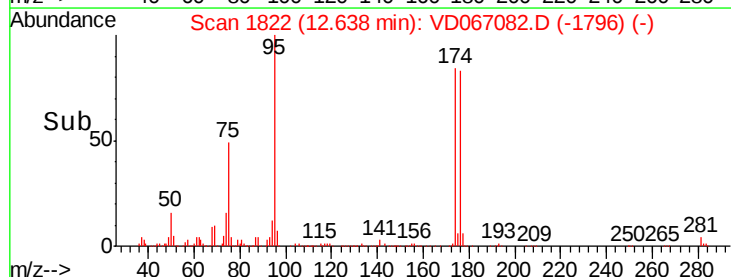
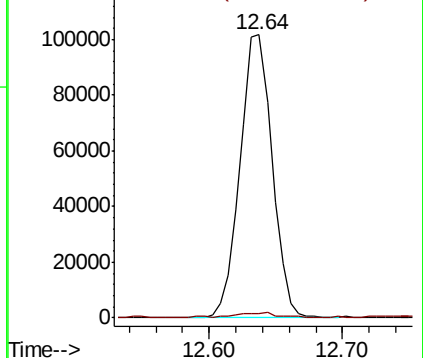
75 100

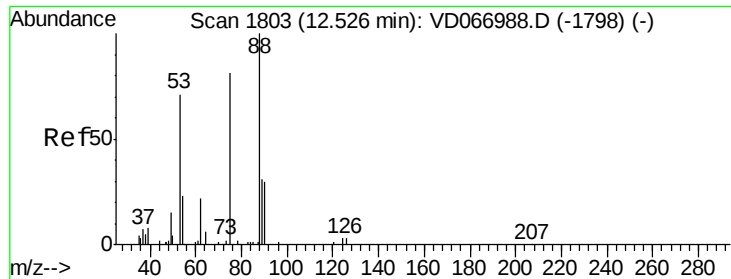
77 1.9 0.0 0.0#



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: 140.707 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067082.D

Acq: 05 Oct 2020 14:35

Instrument :

MSVOA_D

ClientSampleId :

NP-SOIL

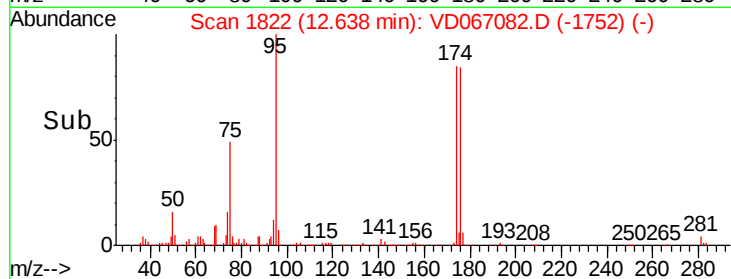
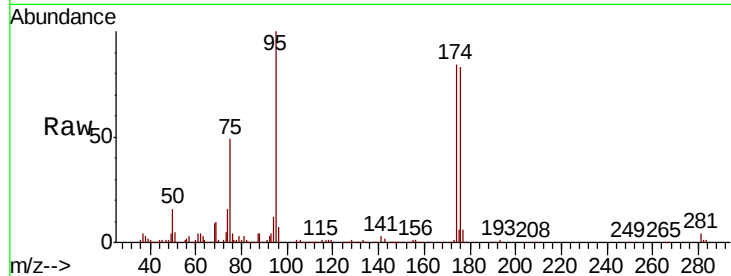
Tot Ion: 75 Resp: 169293

Ion Ratio Lower Upper

75 100

53 0.3 73.8 110.6#

89 0.5 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

