

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073147.D
 Acq On : 19 May 2022 19:19
 Operator : VA/SY
 Sample : N2889-03
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D2321-22-SOIL

Quant Time: May 20 01:50:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

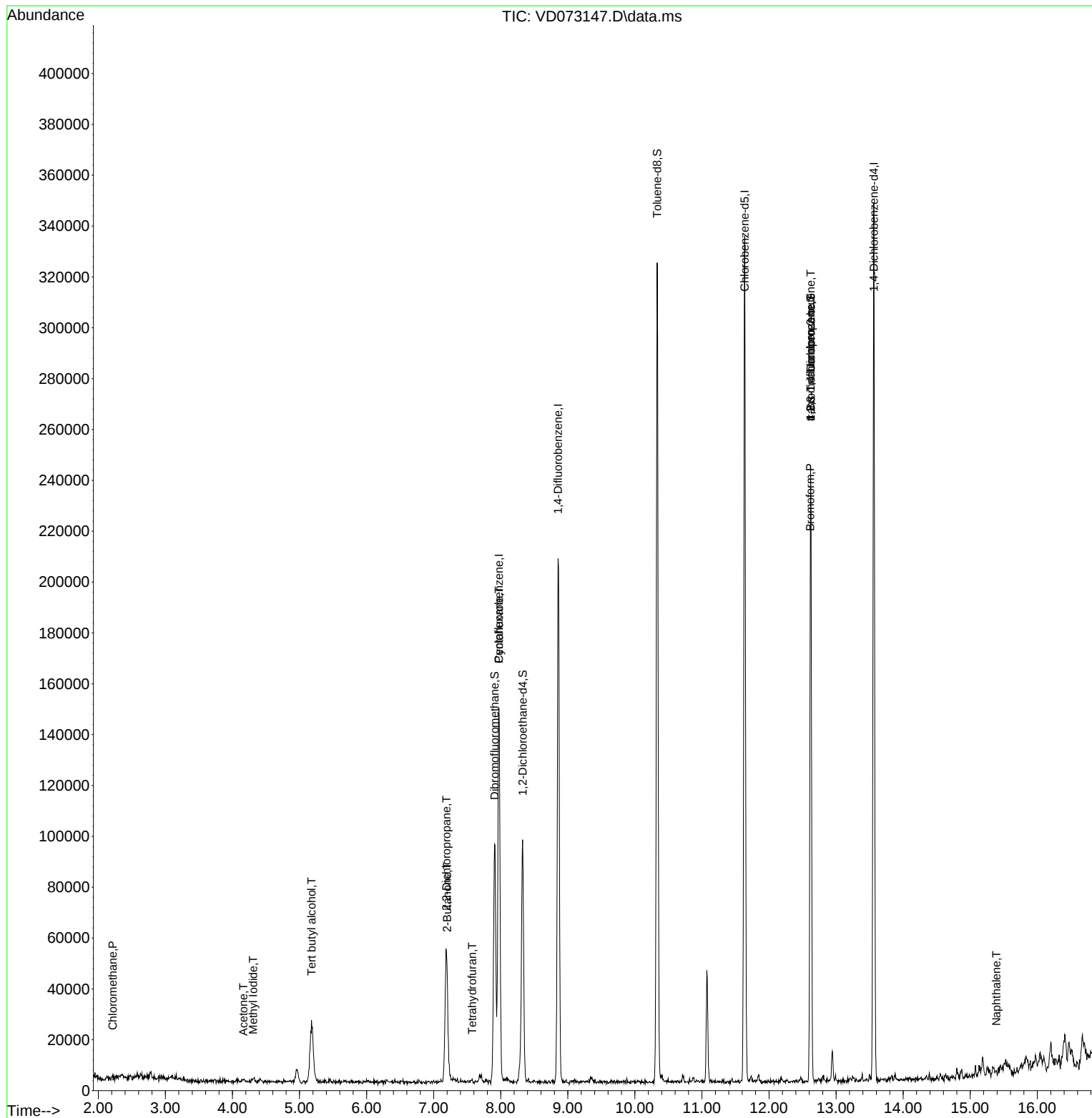
Internal Standards						
1) Pentafluorobenzene	7.973	168	106935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	176227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	193626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	87764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	75184	63.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.240%			
35) Dibromofluoromethane	7.909	113	69549	59.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.620%			
50) Toluene-d8	10.332	98	218995	51.088	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.620	95	82744	55.003	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.000%			
Target Compounds			Qvalue			
3) Chloromethane	2.215	50	1341	1.110	ug/l #	41
5) Bromomethane	2.785	94	1329	Below Cal	#	68
10) Methyl Iodide	4.309	142	2078	1.652	ug/l #	91
11) Tert butyl alcohol	5.179	59	20399	111.255	ug/l #	76
16) Acetone	4.162	43	1042	5.090	ug/l #	12
20) Methylene Chloride	4.956	84	3222	Below Cal	#	87
25) 2-Butanone	7.203	43	2459	8.211	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	3646	1.832	ug/l #	54
29) Tetrahydrofuran	7.573	42	272	1.405	ug/l #	38
31) Cyclohexane	7.973	56	3608	1.747	ug/l #	31
71) Bromoform	12.614	173	944	1.245	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	41909	48.668	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	41909	116.837	ug/l #	7
95) Naphthalene	15.391	128	1799	4.123	ug/l #	74

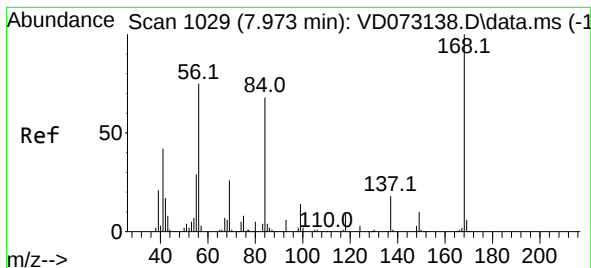
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 19 15:13:42 2022
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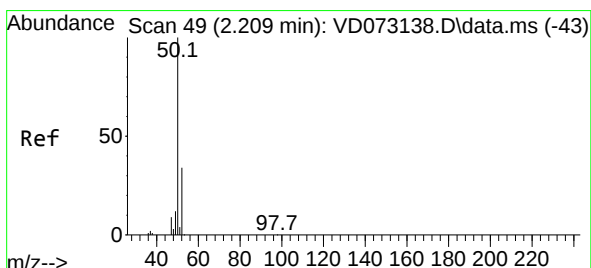
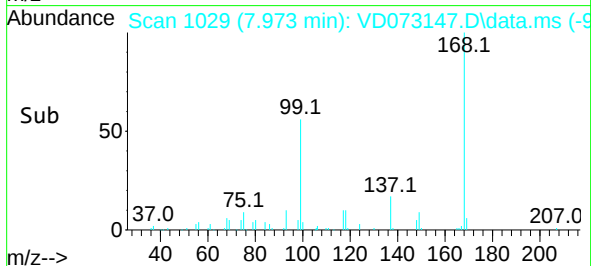
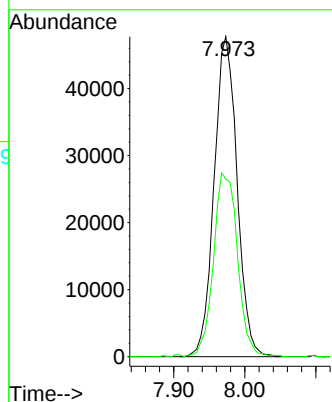
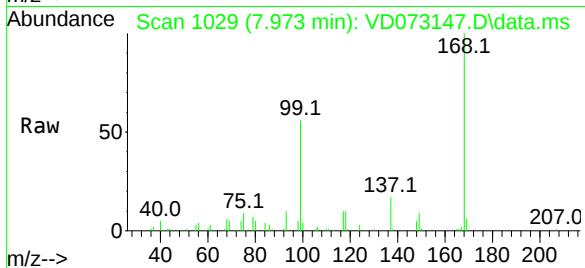




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

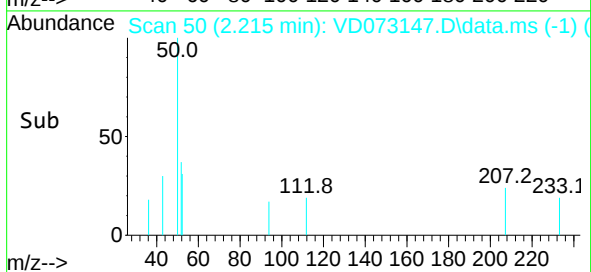
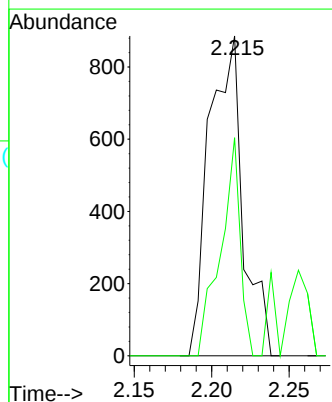
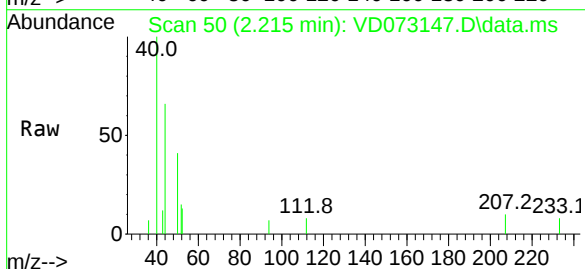
Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

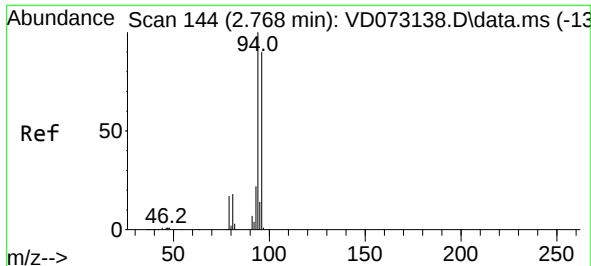
Tgt Ion:168 Resp: 106935
Ion Ratio Lower Upper
168 100
99 55.2 49.8 74.6



#3
Chloromethane
Concen: 1.110 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

Tgt Ion: 50 Resp: 1341
Ion Ratio Lower Upper
50 100
52 68.2 27.4 41.0#

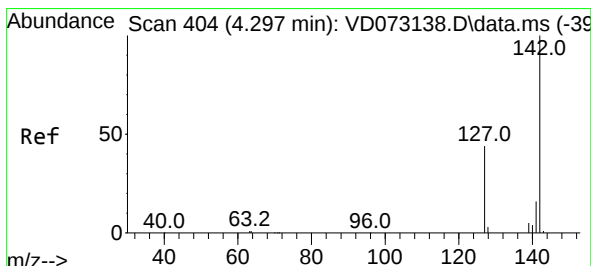
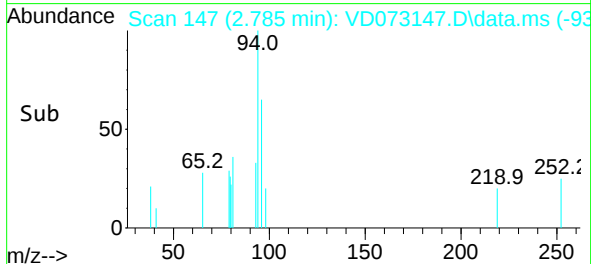
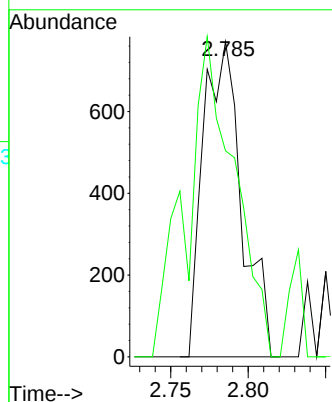
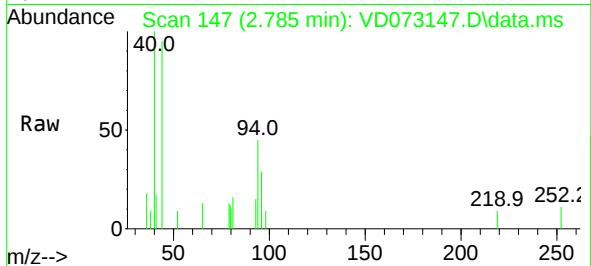




#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 14
Delta R.T. 0.017 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

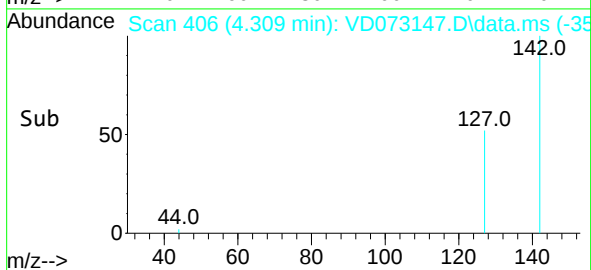
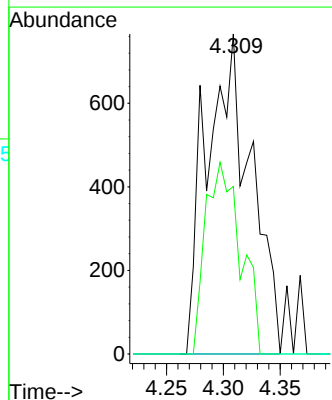
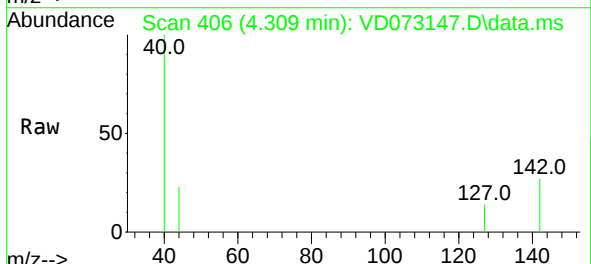
Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

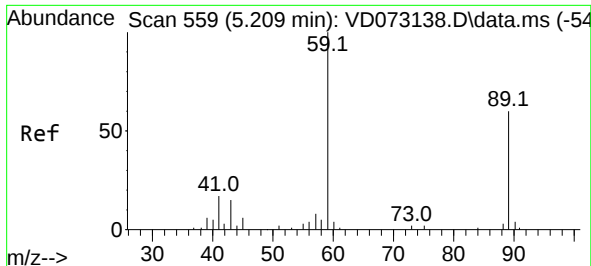
Tgt Ion: 94 Resp: 1329
Ion Ratio Lower Upper
94 100
96 65.4 77.6 116.4#



#10
Methyl Iodide
Concen: 1.652 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

Tgt Ion: 142 Resp: 2078
Ion Ratio Lower Upper
142 100
127 47.5 37.3 55.9
141 0.0 11.7 17.5#

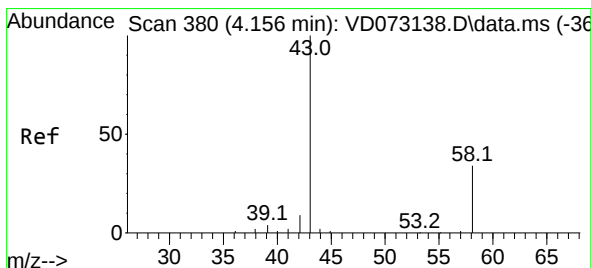
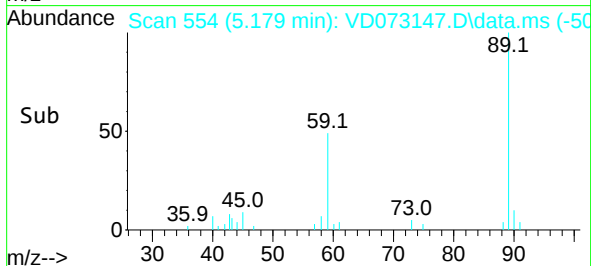
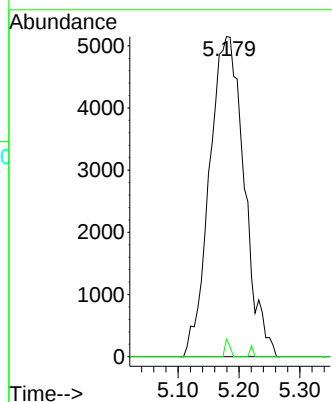
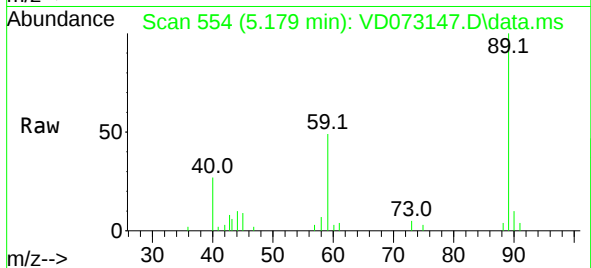




#11
Tert butyl alcohol
Concen: 111.255 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

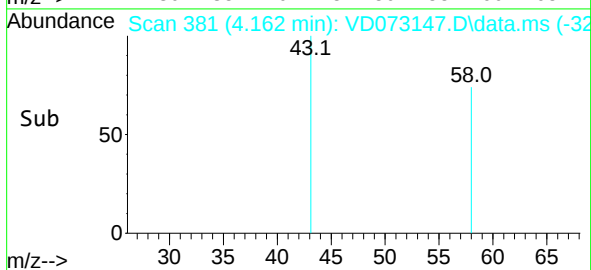
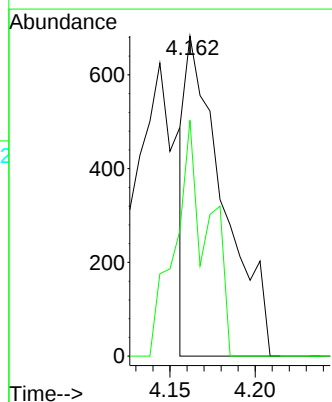
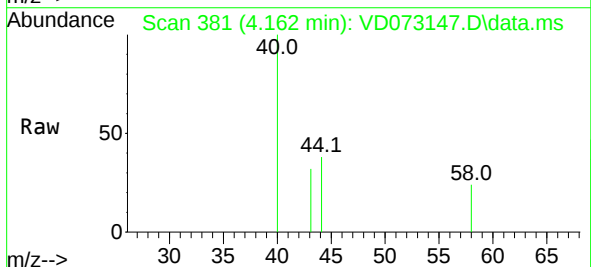
Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

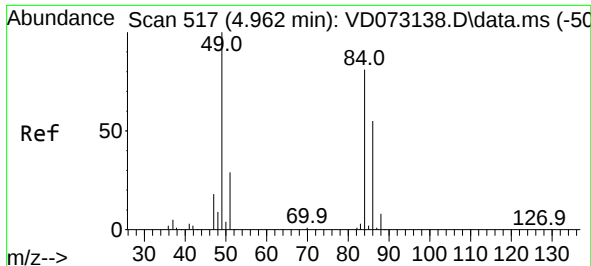
Tgt Ion: 59 Resp: 20399
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.6#



#16
Acetone
Concen: 5.090 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
58 73.6 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD073147.D

Acq: 19 May 2022 19:19

Instrument :

MSVOA_D

ClientSampleId :

D2321-22-SOIL

Tgt Ion: 84 Resp: 3222

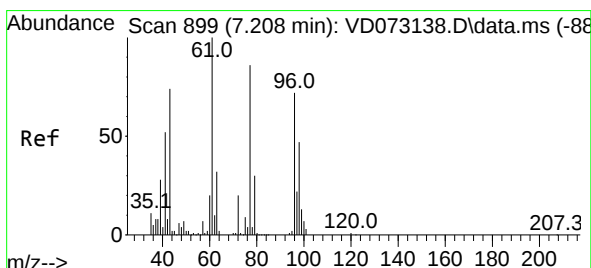
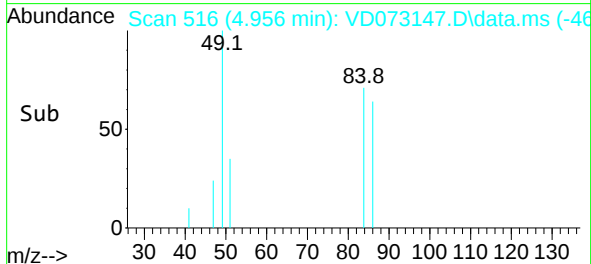
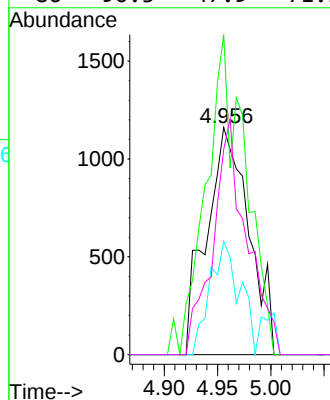
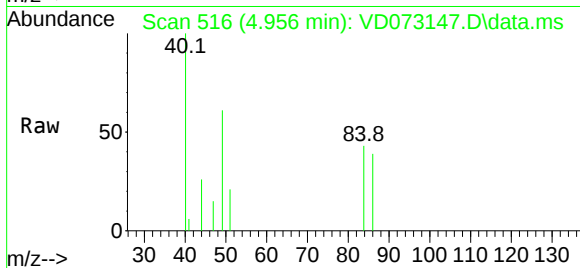
Ion Ratio Lower Upper

84 100

49 140.8 112.8 169.2

51 49.9 32.6 48.8#

86 90.3 47.9 71.9#



#25

2-Butanone

Concen: 8.211 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.005 min

Lab File: VD073147.D

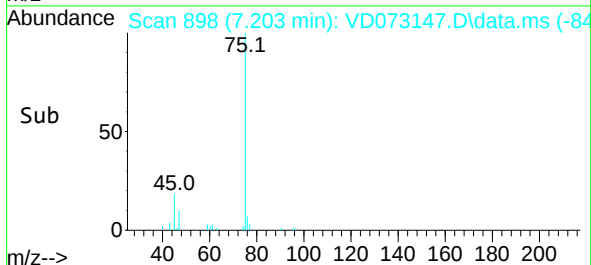
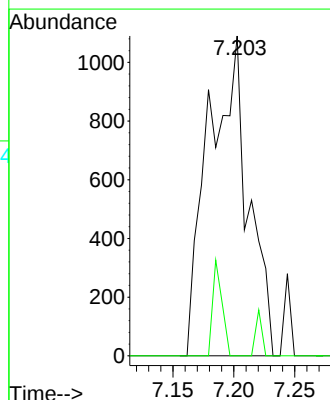
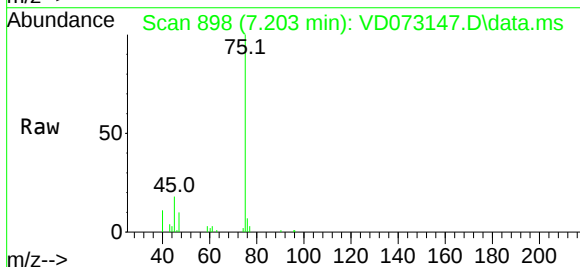
Acq: 19 May 2022 19:19

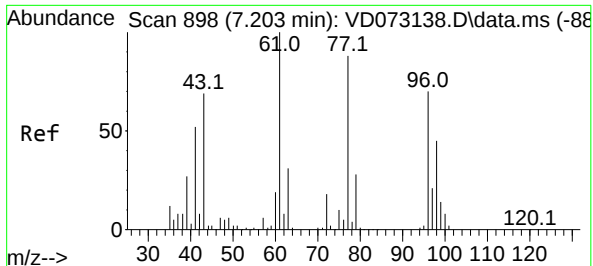
Tgt Ion: 43 Resp: 2459

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.832 ug/l

RT: 7.191 min Scan# 898

Delta R.T. -0.012 min

Lab File: VD073147.D

Acq: 19 May 2022 19:19

Instrument :

MSVOA_D

ClientSampleId :

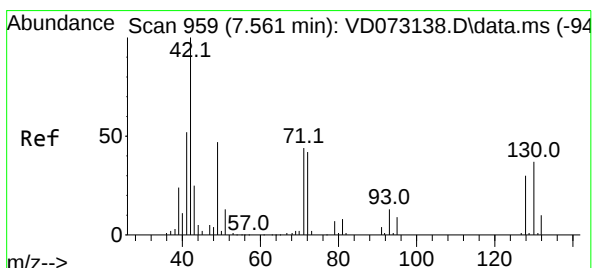
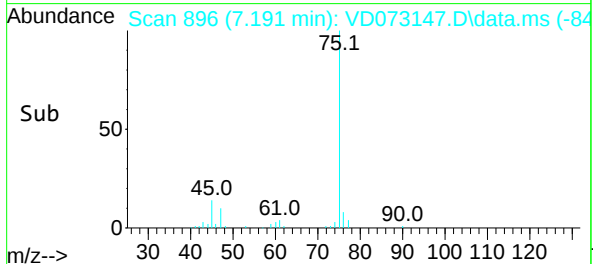
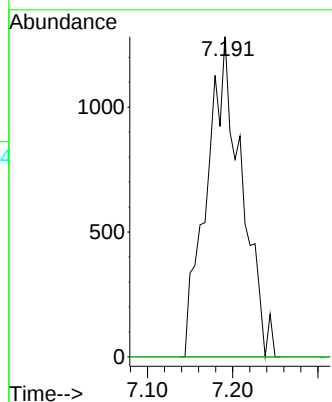
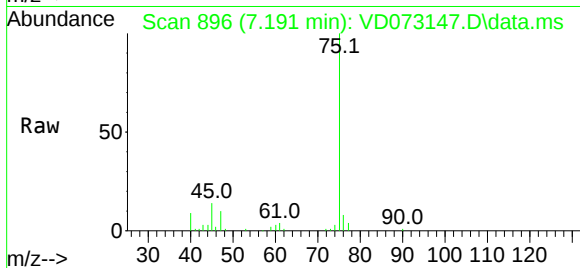
D2321-22-SOIL

Tgt Ion: 77 Resp: 3646

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#29

Tetrahydrofuran

Concen: 1.405 ug/l

RT: 7.573 min Scan# 961

Delta R.T. 0.012 min

Lab File: VD073147.D

Acq: 19 May 2022 19:19

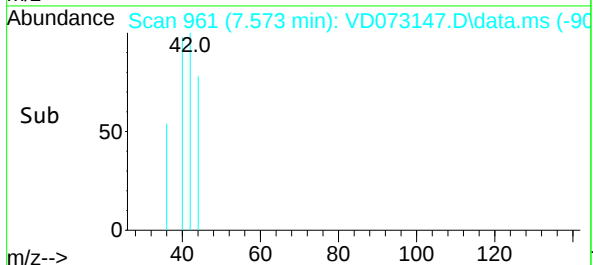
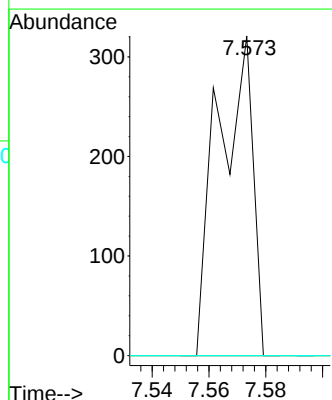
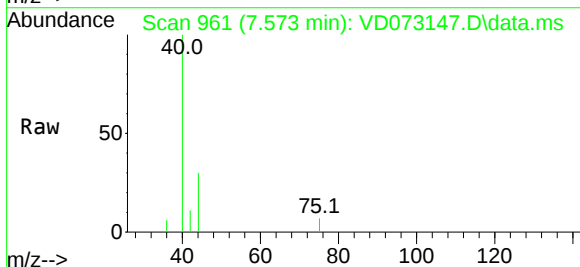
Tgt Ion: 42 Resp: 272

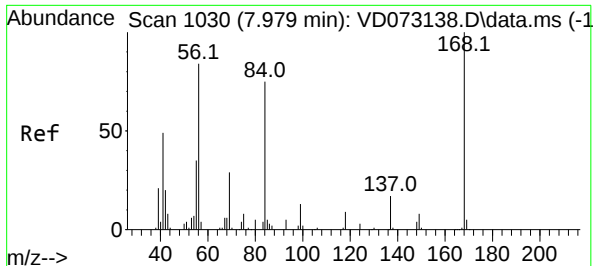
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#

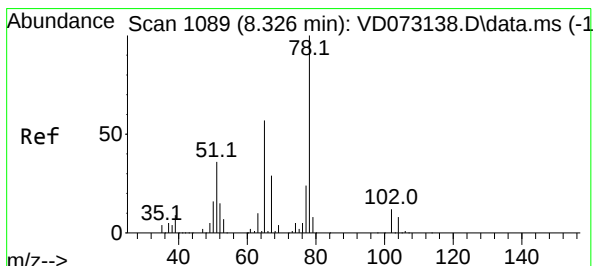
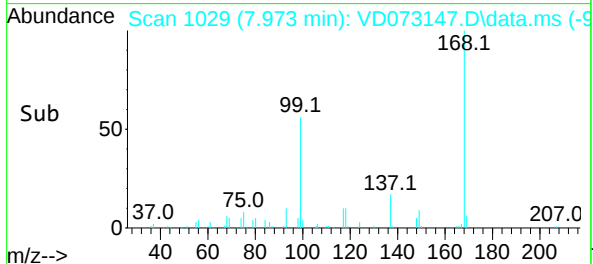
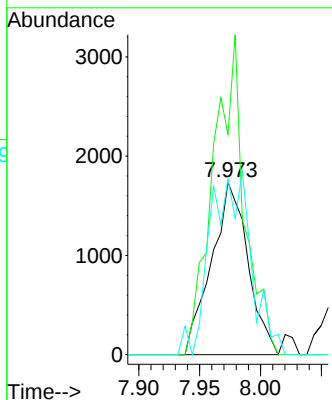
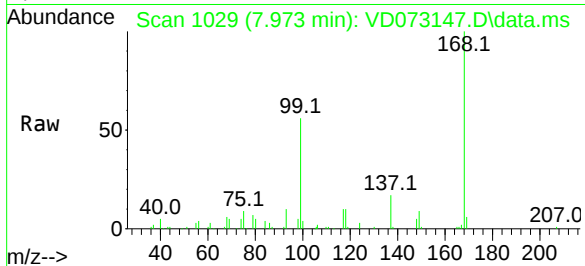




#31
Cyclohexane
Concen: 1.747 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

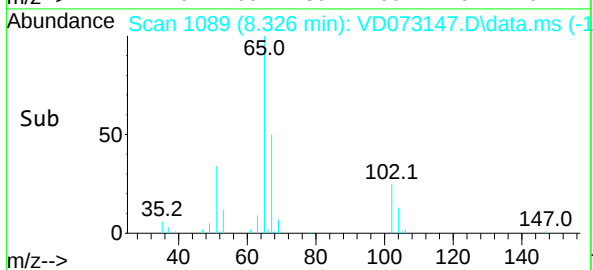
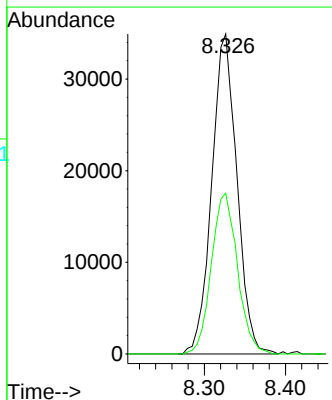
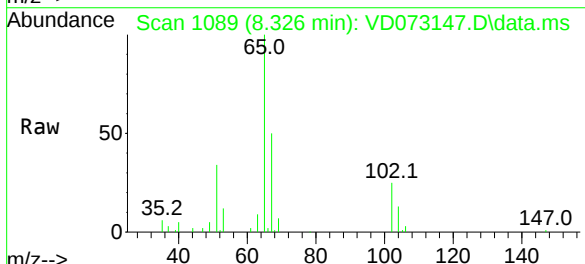
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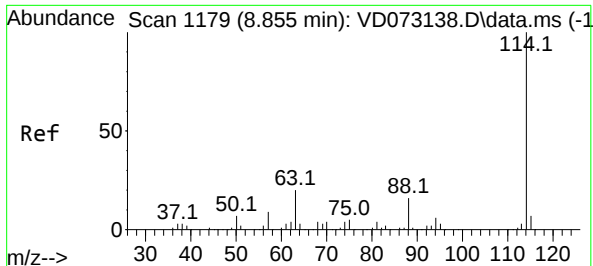
Tgt Ion: 56 Resp: 3608
Ion Ratio Lower Upper
56 100
69 127.7 25.4 38.2#
84 101.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 63.619 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

Tgt Ion: 65 Resp: 75184
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073147.D

Acq: 19 May 2022 19:19

Instrument :

MSVOA_D

ClientSampleId :

D2321-22-SOIL

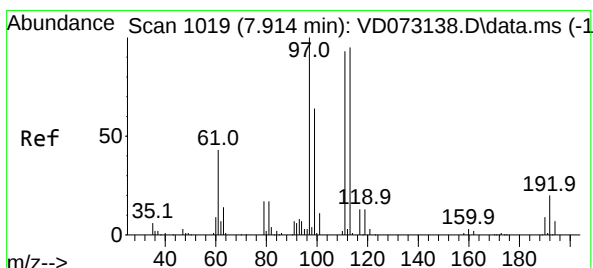
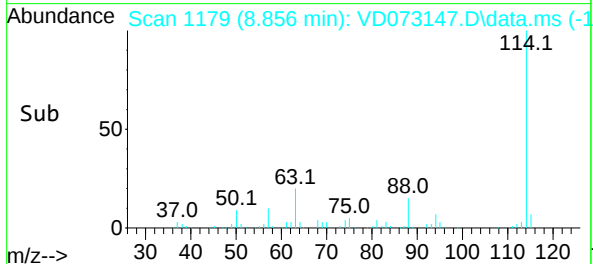
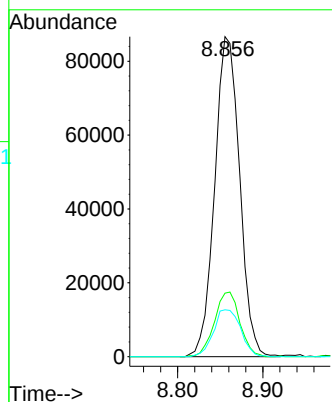
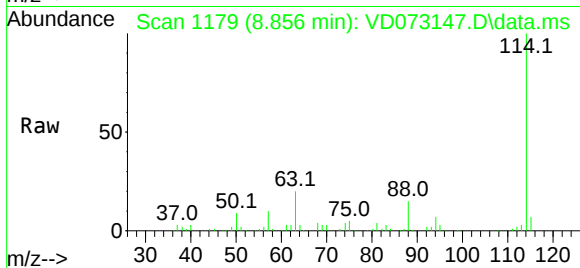
Tgt Ion:114 Resp: 176227

Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 14.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 59.808 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073147.D

Acq: 19 May 2022 19:19

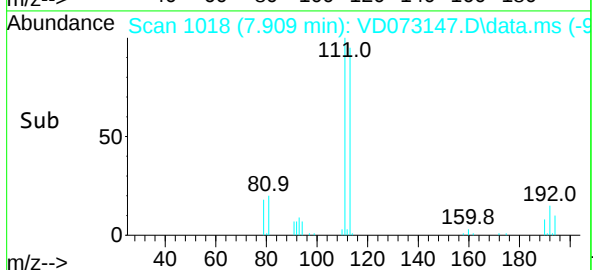
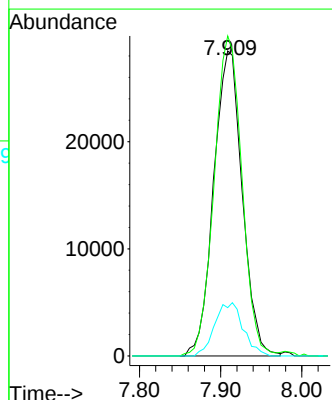
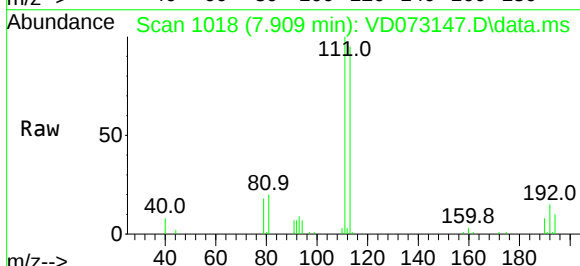
Tgt Ion:113 Resp: 69549

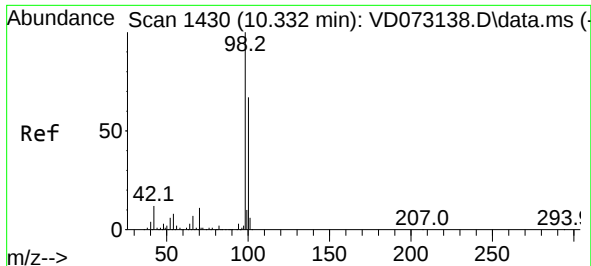
Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 17.4 14.6 21.8

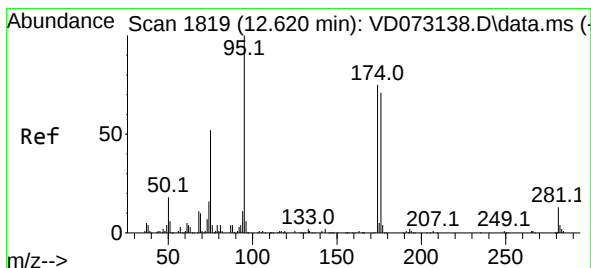
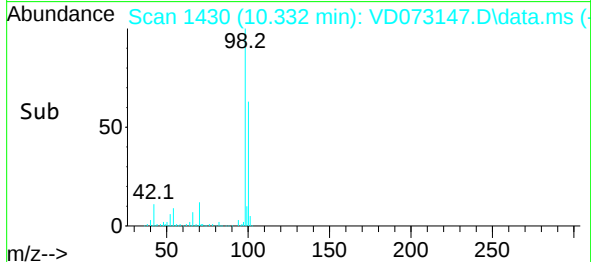
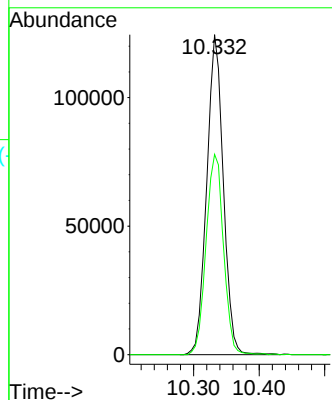
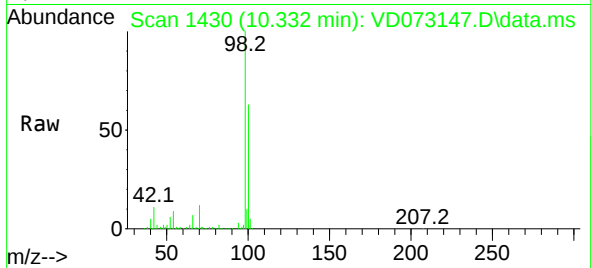




#50
Toluene-d8
Concen: 51.088 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

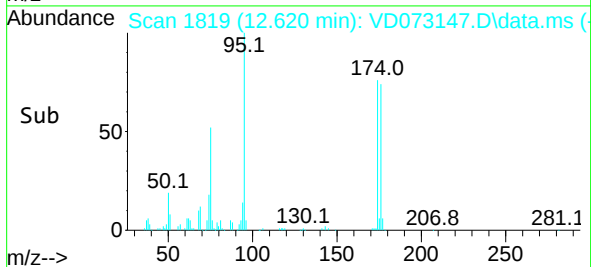
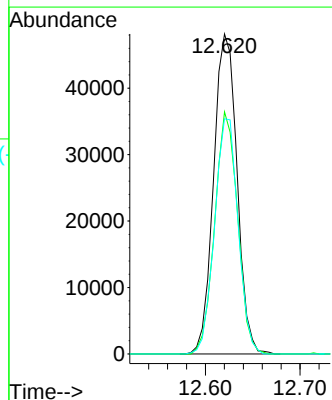
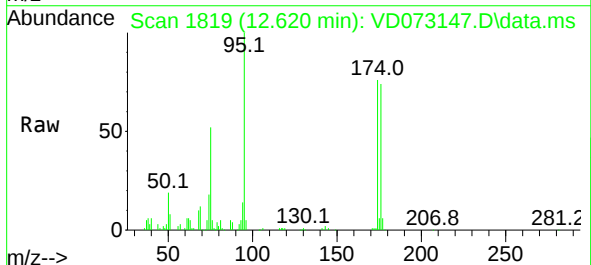
Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

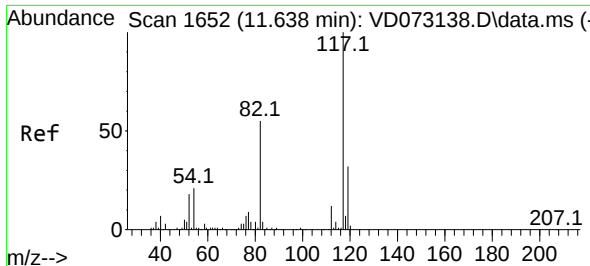
Tgt Ion: 98 Resp: 218995
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 55.003 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

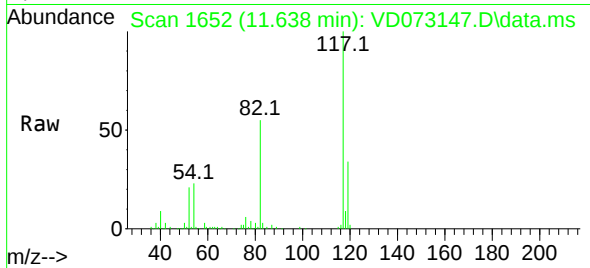
Tgt Ion: 95 Resp: 82744
Ion Ratio Lower Upper
95 100
174 74.0 0.0 152.8
176 73.8 0.0 145.4



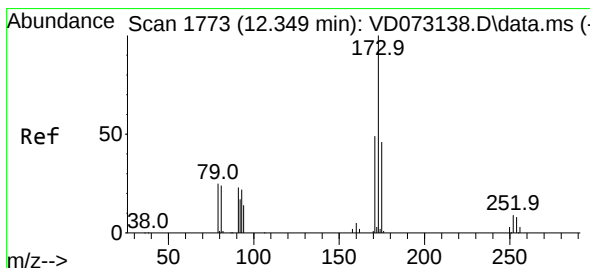
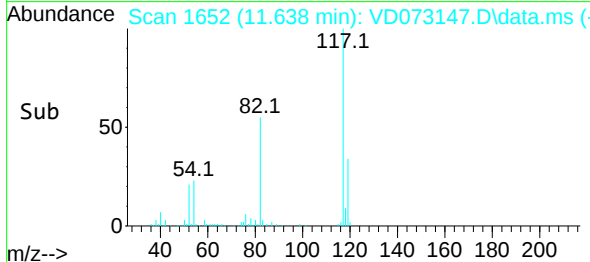
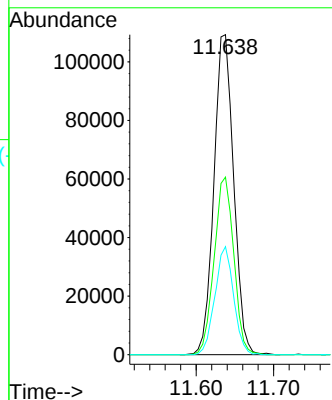


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

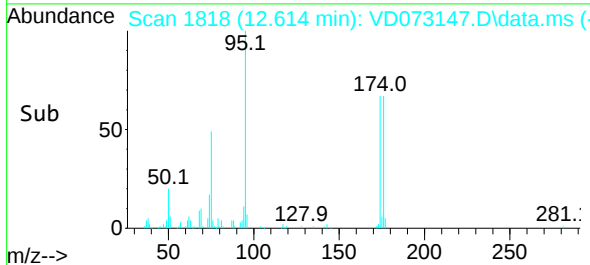
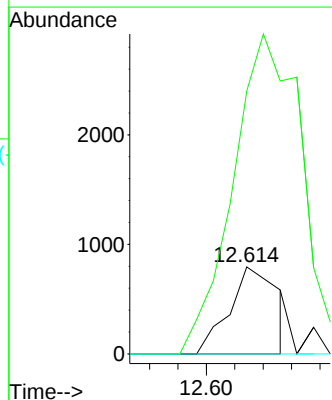
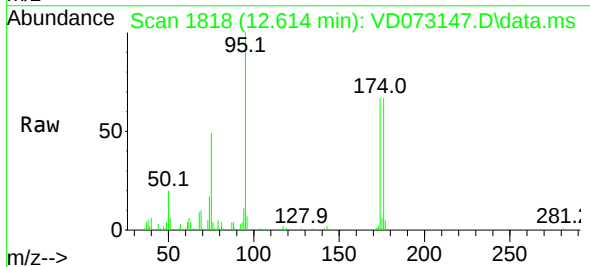


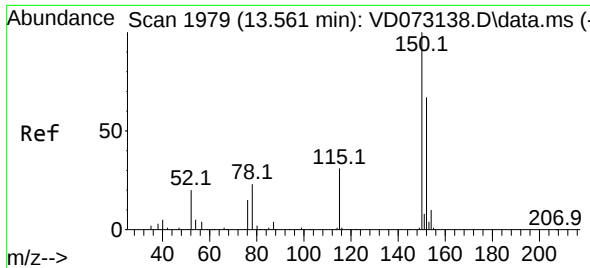
Tgt Ion:117 Resp: 193626
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 33.7 26.6 40.0



#71
Bromoform
Concen: 1.245 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

Tgt Ion:173 Resp: 944
Ion Ratio Lower Upper
173 100
175 380.1 23.9 71.8#
254 0.0 0.0 0.0

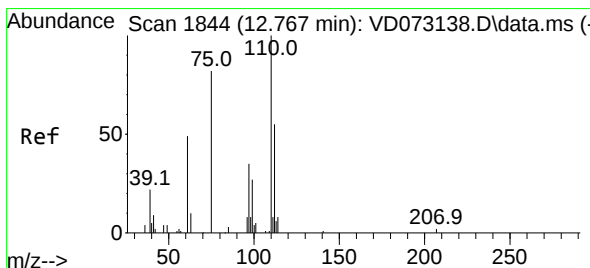
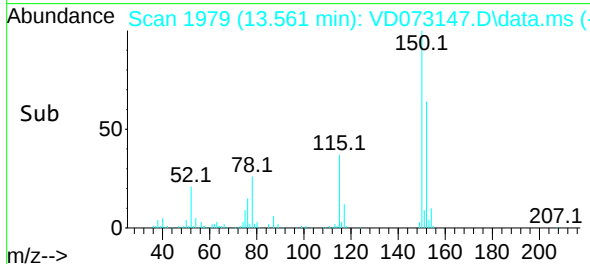
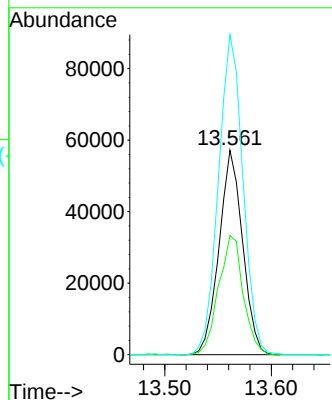
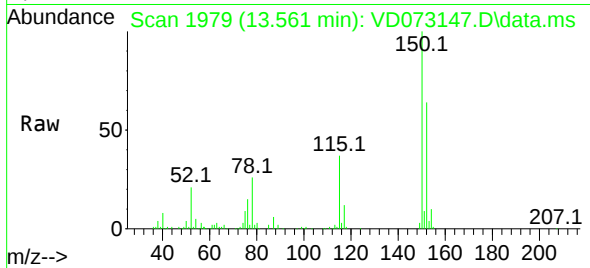




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073147.D
 Acq: 19 May 2022 19:19

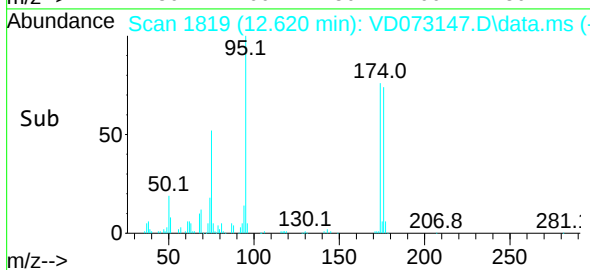
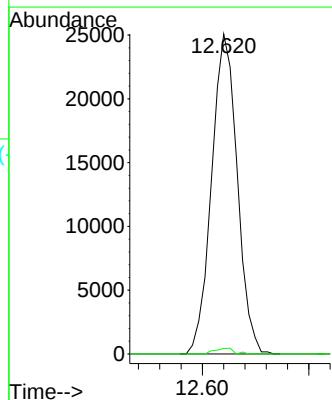
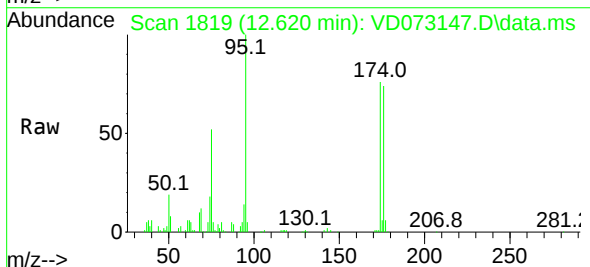
Instrument :
 MSVOA_D
 ClientSampleId :
 D2321-22-SOIL

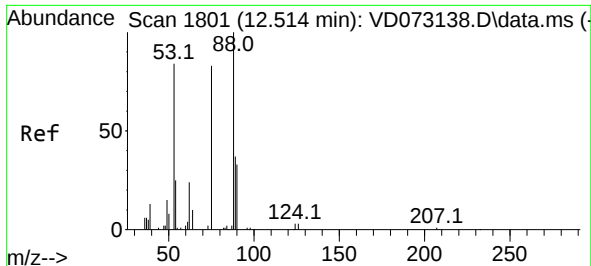
Tgt Ion:152 Resp: 87764
 Ion Ratio Lower Upper
 152 100
 115 60.9 31.3 93.8
 150 162.5 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 48.668 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073147.D
 Acq: 19 May 2022 19:19

Tgt Ion: 75 Resp: 41909
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

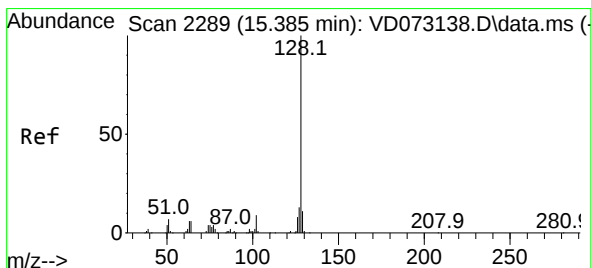
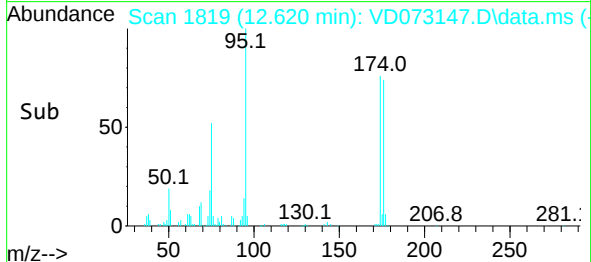
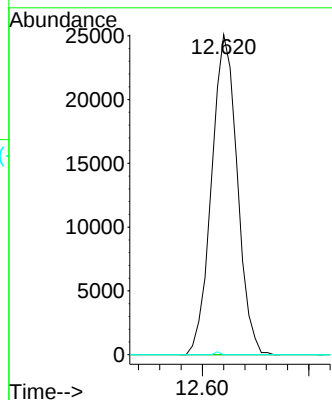
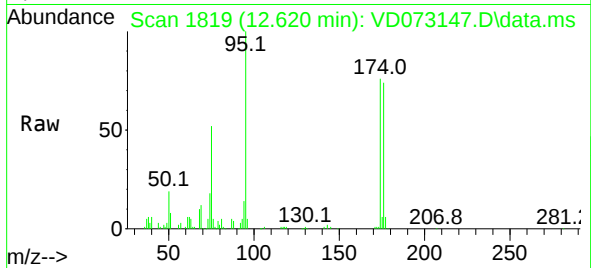




#81
trans-1,4-Dichloro-2-butene
Concen: 116.837 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

Tgt Ion: 75 Resp: 41909
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#



#95
Naphthalene
Concen: 4.123 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD073147.D
Acq: 19 May 2022 19:19

Tgt Ion: 128 Resp: 1799
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.6 8.4 12.6#

