

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070924\
 Data File : VD079367.D
 Acq On : 09 Jul 2024 17:54
 Operator : RP/MD
 Sample : P3170-03
 Misc : 6.05G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUMS-2

Quant Time: Jul 10 03:05:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070824S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 17:06:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	1591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	4238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	6108	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.251	152	439	50.000	ug/l	-0.26
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	1863	99.365	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 198.740%#	
35) Dibromofluoromethane	7.799	113	1940	64.887	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.780%	
50) Toluene-d8	10.269	98	5911	51.288	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.580%	
62) 4-Bromofluorobenzene	12.575	95	5177	144.522	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 289.040%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.140	85	64	4.339	ug/l #	43
5) Bromomethane	2.705	94	64	2.663	ug/l #	1
6) Chloroethane	2.817	64	139	12.780	ug/l #	44
16) Acetone	4.040	43	54	15.143	ug/l #	37
20) Methylene Chloride	4.793	84	686	19.051	ug/l #	41
39) Methylcyclohexane	9.263	83	207	4.674	ug/l #	51
41) Methacrylonitrile	7.363	41	64	9.353	ug/l #	12
43) Isopropyl Acetate	8.516	43	59	1.963	ug/l #	45
46) Dibromomethane	9.399	93	156	8.963	ug/l #	3
47) Bromodichloromethane	9.546	83	429	10.082	ug/l #	26
48) Methyl methacrylate	9.375	41	151	12.183	ug/l #	1
51) 4-Methyl-2-Pentanone	10.169	43	379	23.549	ug/l #	31
55) 1,1,2-Trichloroethane	10.722	97	432	18.490	ug/l #	39
56) Ethyl methacrylate	10.593	69	97	6.072	ug/l #	1
59) 2-Hexanone	10.910	43	193	16.784	ug/l #	19
60) Dibromochloromethane	11.081	129	73	2.434	ug/l #	11
61) 1,2-Dibromoethane	11.257	107	901	40.899	ug/l	83
64) Tetrachloroethene	10.757	164	73	2.039	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	11.675	131	170	3.930	ug/l #	1
68) m/p-Xylenes	11.799	106	520	6.292	ug/l #	1
69) o-Xylene	12.028	106	381	4.927	ug/l	48
70) Styrene	12.140	104	186	1.348	ug/l #	20
71) Bromoform	12.316	173	61	2.434	ug/l #	1
73) Isopropylbenzene	12.540	105	576	19.657	ug/l	77
74) N-amyl acetate	12.210	43	592	89.900	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.663	83	572	92.397	ug/l #	1
76) 1,2,3-Trichloropropane	12.763	75	65	15.410	ug/l #	100
77) Bromobenzene	12.634	156	72	10.384	ug/l #	1
78) n-propylbenzene	12.851	91	759	20.782	ug/l	94
79) 2-Chlorotoluene	12.822	91	370	17.664	ug/l	80
80) 1,3,5-Trimethylbenzene	12.857	105	405	16.307	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.569	75	1267	566.357	ug/l #	56
82) 4-Chlorotoluene	12.922	91	258	11.574	ug/l	83
83) tert-Butylbenzene	13.151	119	289	13.934	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.216	105	355	14.091	ug/l	84
85) sec-Butylbenzene	13.328	105	835	26.267	ug/l	98

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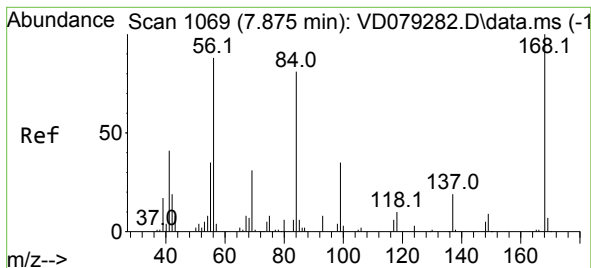
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070824S.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

86) p-Isopropyltoluene	13.434	119	602	22.867	ug/l #	1
87) 1,3-Dichlorobenzene	13.463	146	381	26.058	ug/l #	1
88) 1,4-Dichlorobenzene	13.528	146	264	17.939	ug/l #	1
89) n-Butylbenzene	13.769	91	424	16.568	ug/l	76
90) Hexachloroethane	14.022	117	253	43.501	ug/l	83
91) 1,2-Dichlorobenzene	13.798	146	512	39.474	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.451	75	218	250.710	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.087	180	401	55.017	ug/l #	19
95) Naphthalene	15.316	128	1038	71.636	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.522	180	129	19.813	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

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Instrument :

MSVOA_D

ClientSampleId :

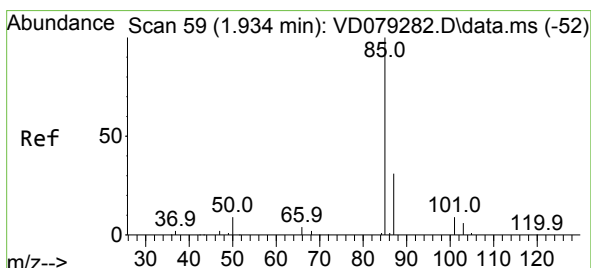
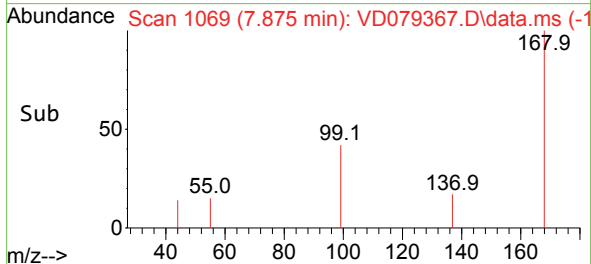
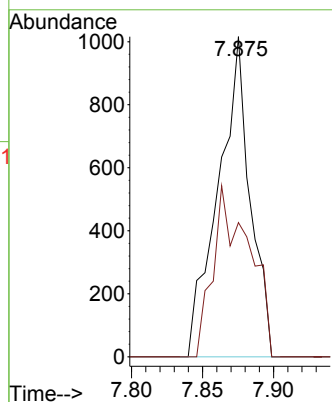
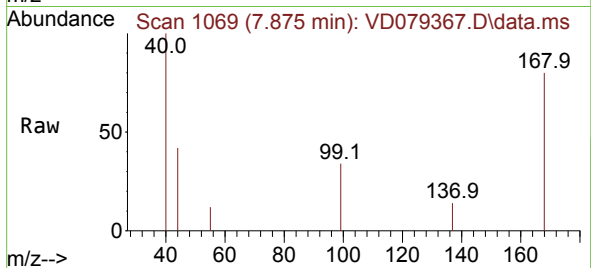
SOIL-DRUMS-2

Tgt Ion:168 Resp: 1591

Ion Ratio Lower Upper

168 100

99 41.9 41.1 61.7



#2

Dichlorodifluoromethane

Concen: 4.339 ug/l

RT: 2.140 min Scan# 94

Delta R.T. 0.212 min

Lab File: VD079367.D

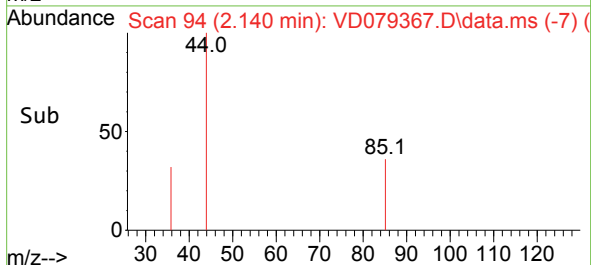
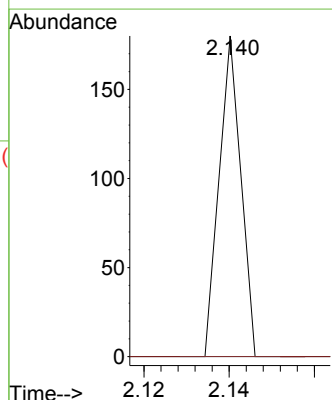
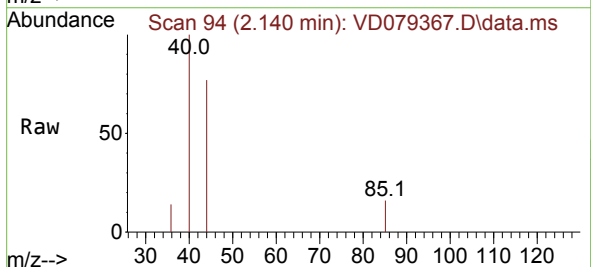
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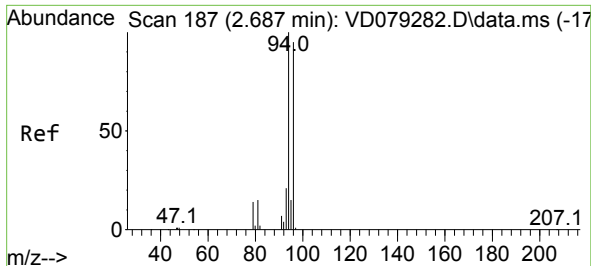
Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#

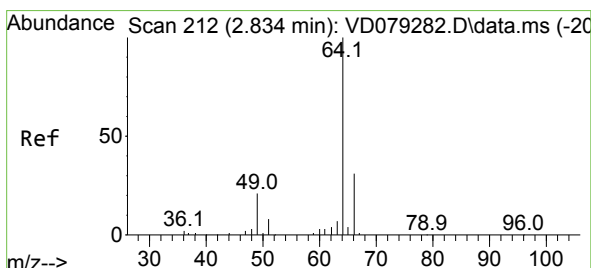
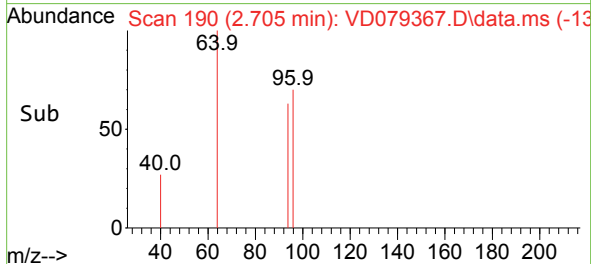
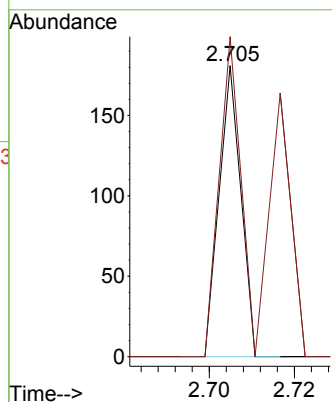
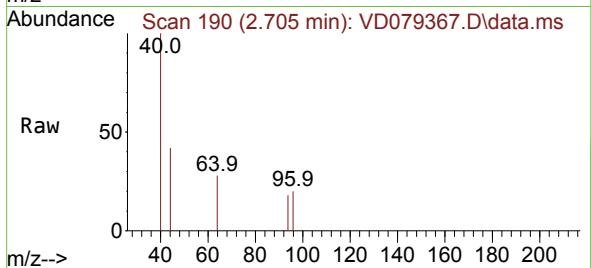




#5
Bromomethane
Concen: 2.663 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.047 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

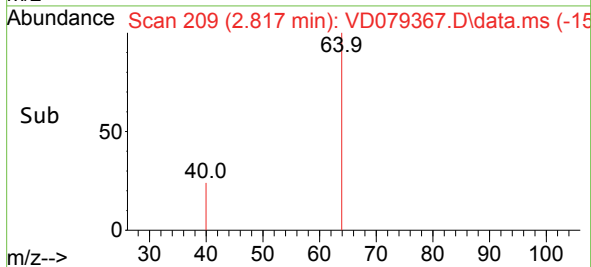
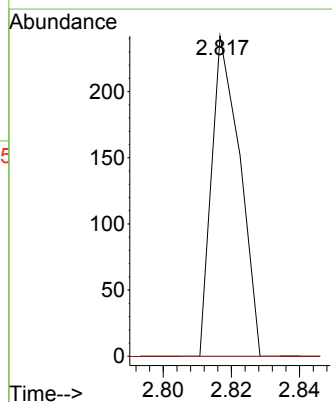
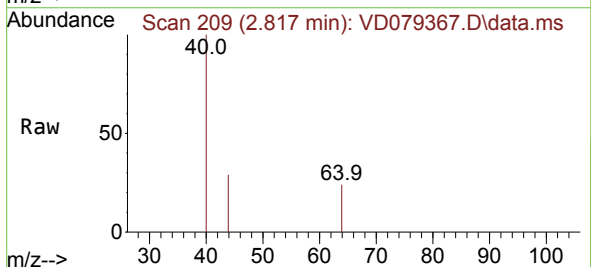
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SOIL-DRUMS-2

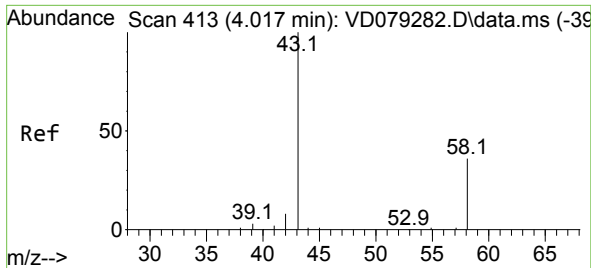
Tgt Ion: 94 Resp: 64
Ion Ratio Lower Upper
94 100
96 200.0 76.9 115.3#



#6
Chloroethane
Concen: 12.780 ug/l
RT: 2.817 min Scan# 209
Delta R.T. -0.005 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion: 64 Resp: 139
Ion Ratio Lower Upper
64 100
66 0.0 24.5 36.7#

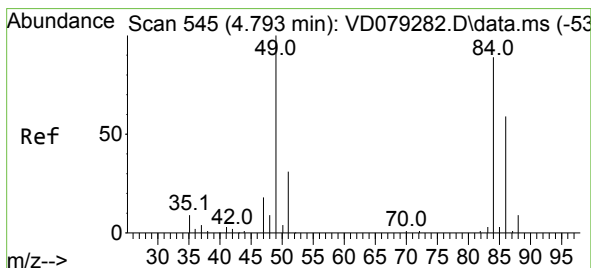
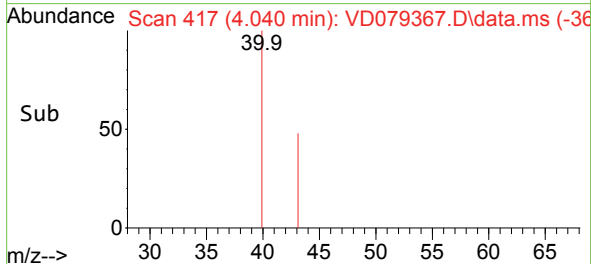
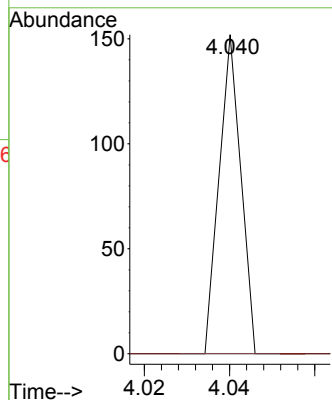
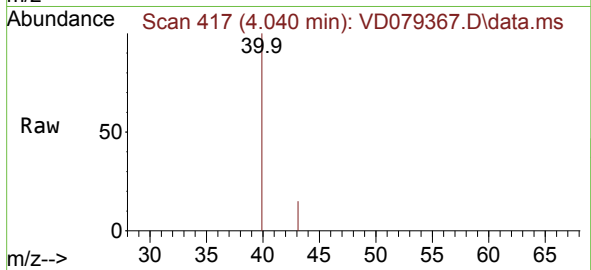




#16
Acetone
Concen: 15.143 ug/l
RT: 4.040 min Scan# 413
Delta R.T. 0.023 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

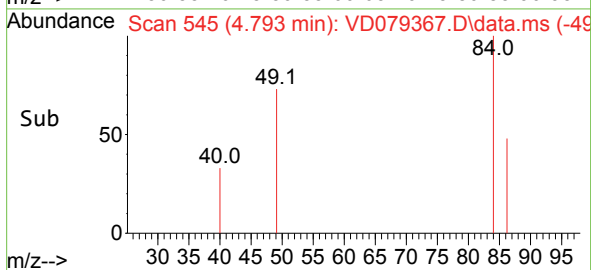
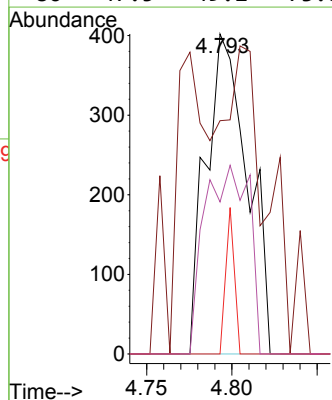
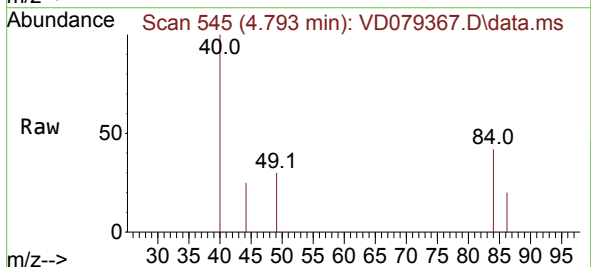
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MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

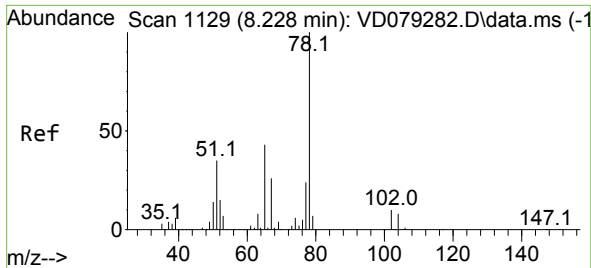
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#20
Methylene Chloride
Concen: 19.051 ug/l
RT: 4.793 min Scan# 545
Delta R.T. 0.000 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion: 84 Resp: 686
Ion Ratio Lower Upper
84 100
49 11.4 75.6 113.4#
51 0.0 24.2 36.2#
86 47.5 49.2 73.8#

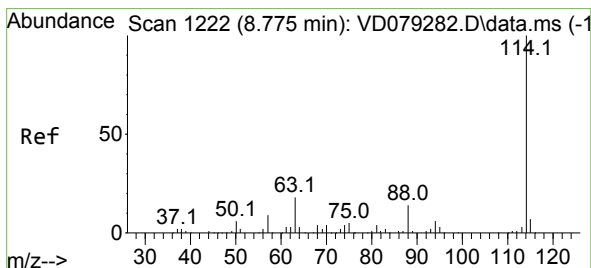
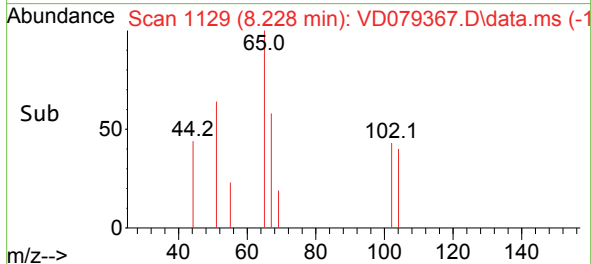
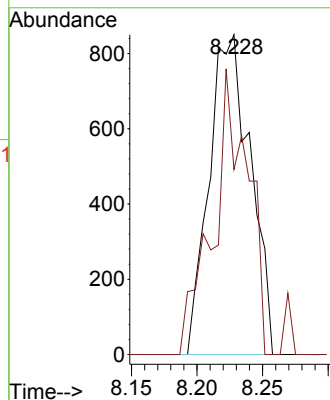
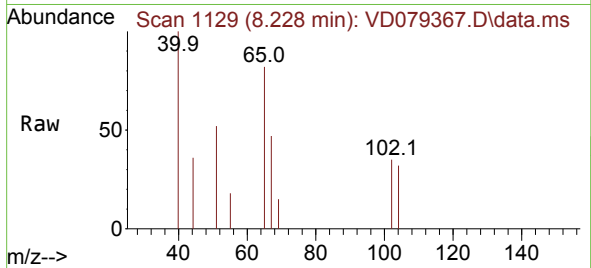




#33
 1,2-Dichloroethane-d4
 Concen: 99.365 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD079367.D
 Acq: 09 Jul 2024 17:54

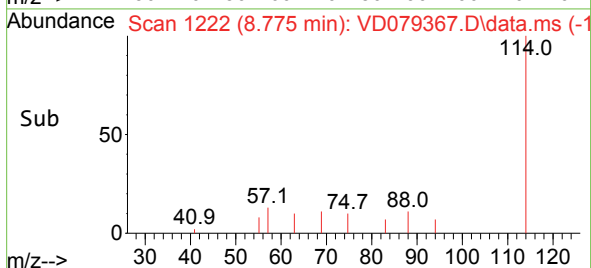
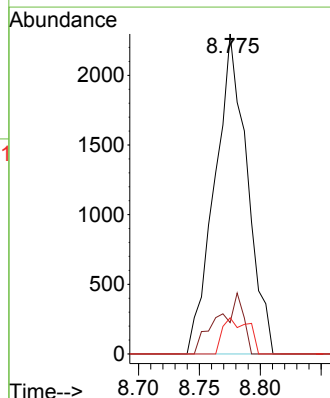
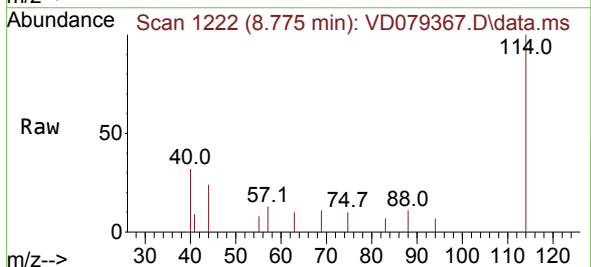
Instrument :
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 SOIL-DRUMS-2

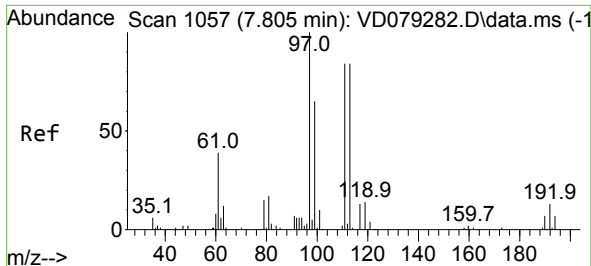
Tgt Ion: 65 Resp: 1863
 Ion Ratio Lower Upper
 65 100
 67 75.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. 0.000 min
 Lab File: VD079367.D
 Acq: 09 Jul 2024 17:54

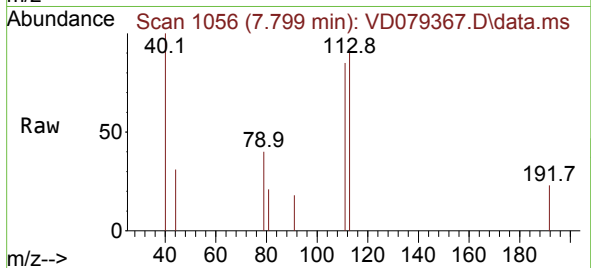
Tgt Ion: 114 Resp: 4238
 Ion Ratio Lower Upper
 114 100
 63 9.8 0.0 34.0
 88 11.3 0.0 27.2



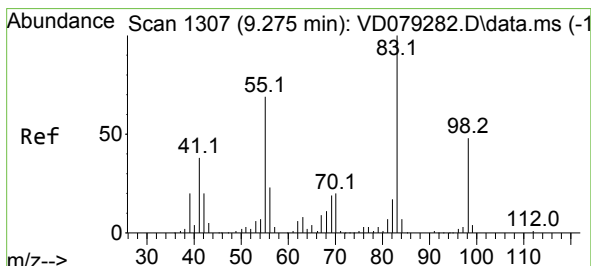
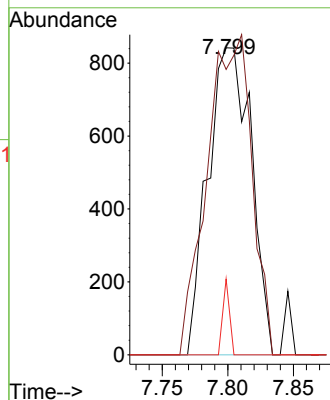
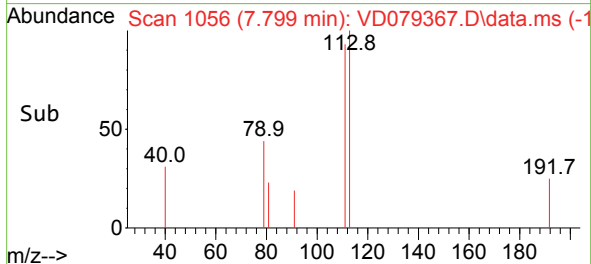


#35
Dibromofluoromethane
Concen: 64.887 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD079367.D
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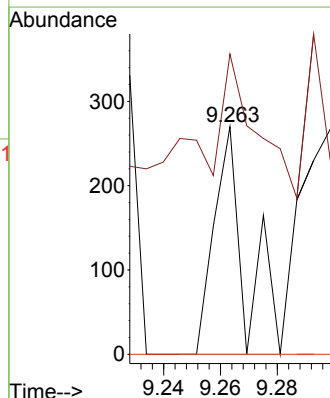
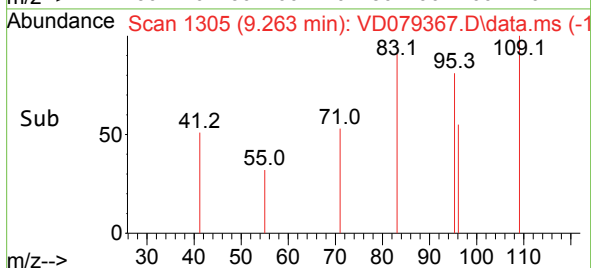
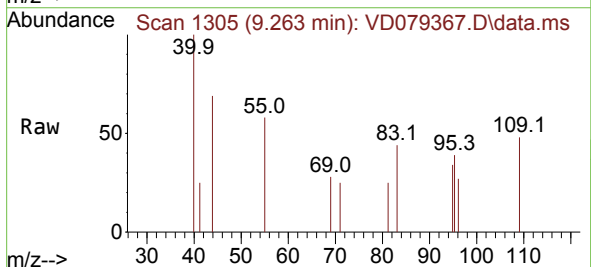


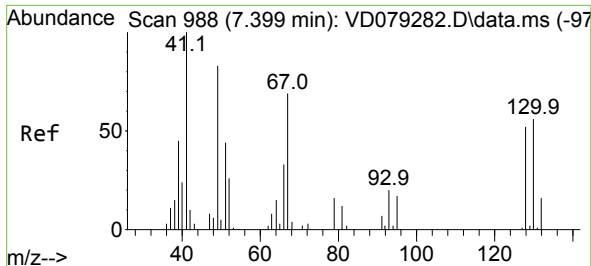
Tgt Ion:113 Resp: 1940
Ion Ratio Lower Upper
113 100
111 107.3 84.0 126.0
192 3.8 15.4 23.0#



#39
Methylcyclohexane
Concen: 4.674 ug/l
RT: 9.263 min Scan# 1305
Delta R.T. -0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion: 83 Resp: 207
Ion Ratio Lower Upper
83 100
55 41.5 50.1 75.1#
98 0.0 41.9 62.9#

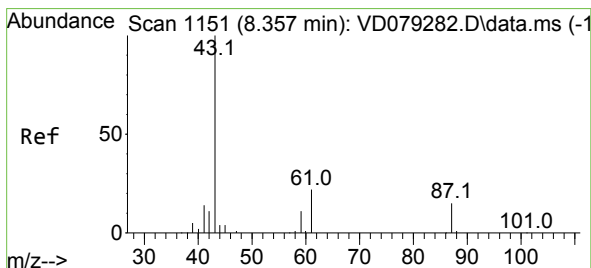
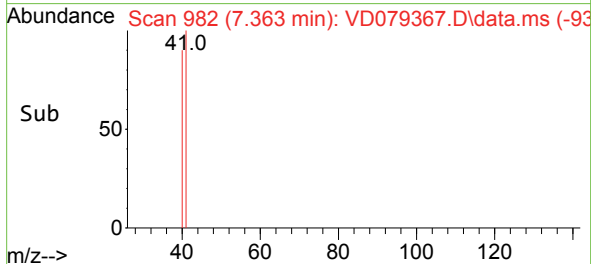
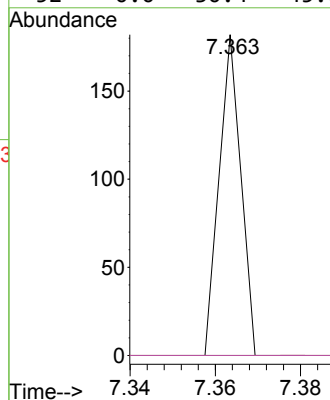
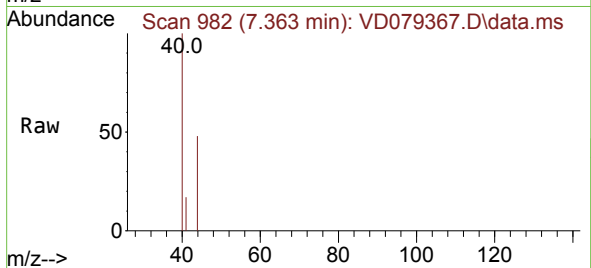




#41
Methacrylonitrile
Concen: 9.353 ug/l
RT: 7.363 min Scan# 91
Delta R.T. -0.030 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

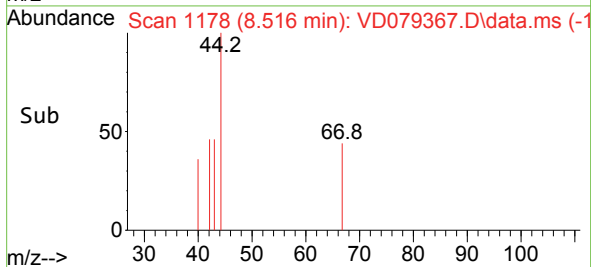
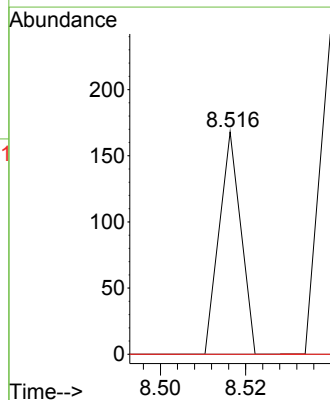
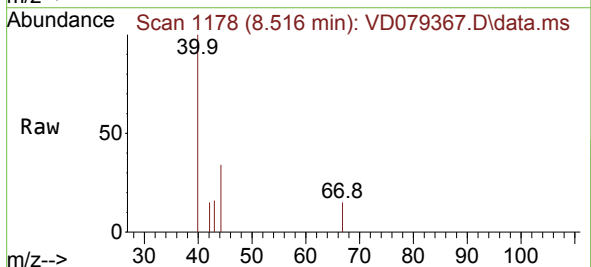
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ClientSampleId :
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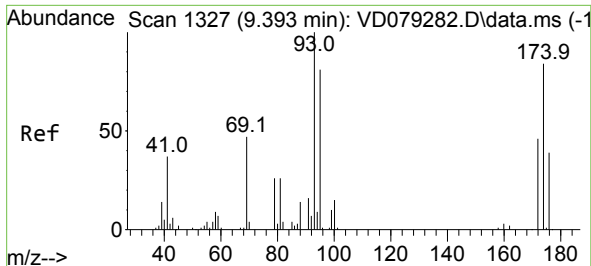
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Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.4	62.0#
67	0.0	85.8	128.6#
52	0.0	30.4	45.6#



#43
Isopropyl Acetate
Concen: 1.963 ug/l
RT: 8.516 min Scan# 1178
Delta R.T. 0.159 min
Lab File: VD079367.D
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Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
61	0.0	29.3	43.9#
87	0.0	14.9	22.3#

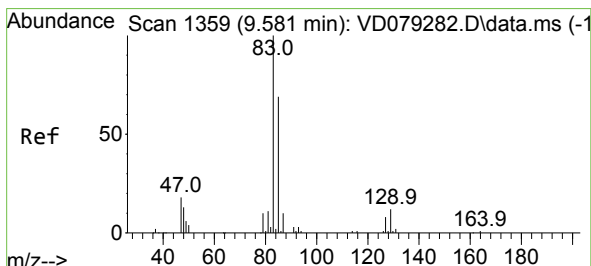
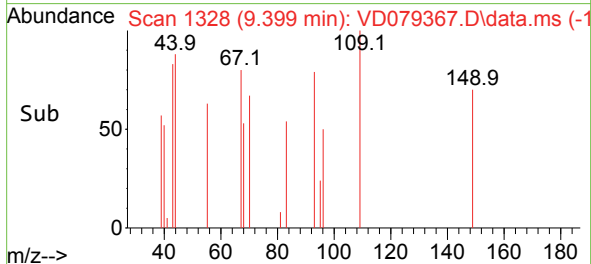
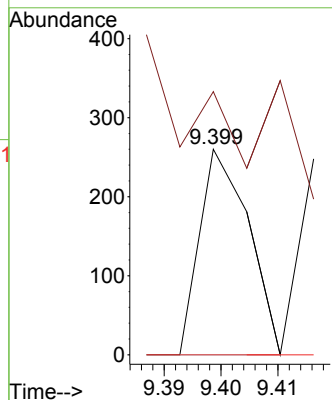
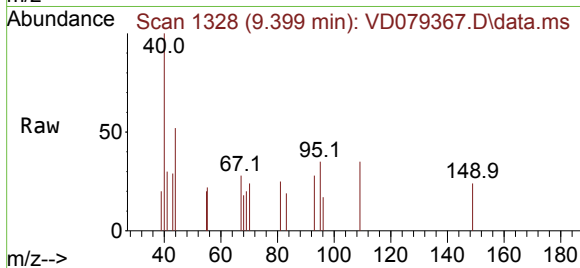




#46
Dibromomethane
Concen: 8.963 ug/l
RT: 9.399 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

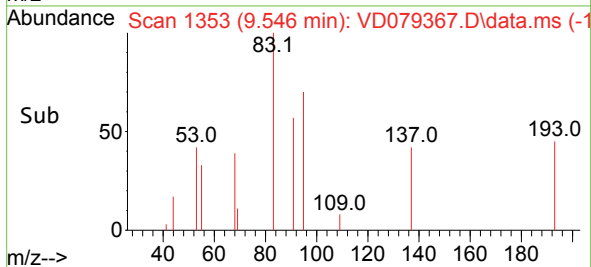
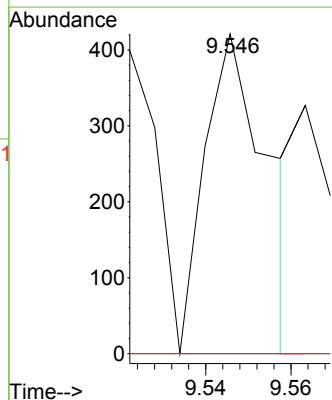
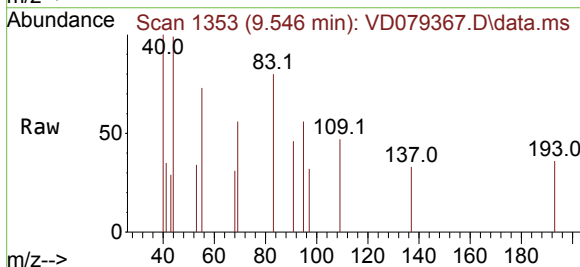
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

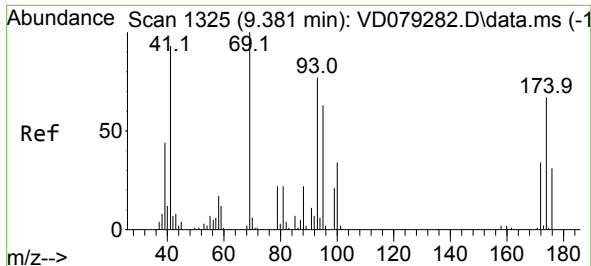
Tgt Ion: 93 Resp: 156
Ion Ratio Lower Upper
93 100
95 0.0 65.6 98.4#
174 0.0 82.3 123.5#



#47
Bromodichloromethane
Concen: 10.082 ug/l
RT: 9.546 min Scan# 1353
Delta R.T. -0.035 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion: 83 Resp: 429
Ion Ratio Lower Upper
83 100
85 0.0 50.1 75.1#
127 0.0 6.8 10.2#

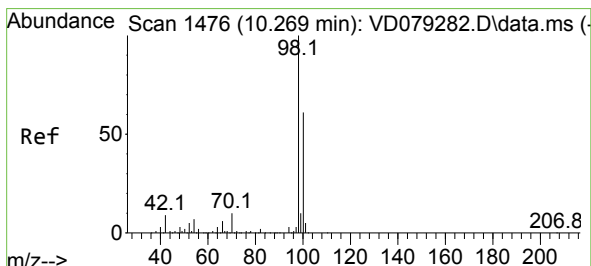
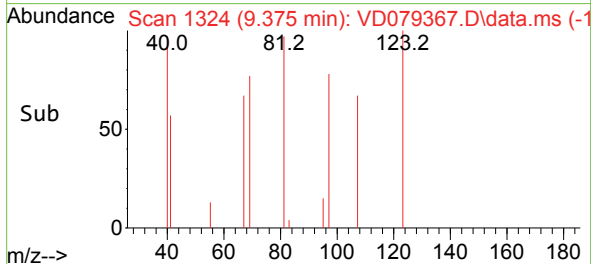
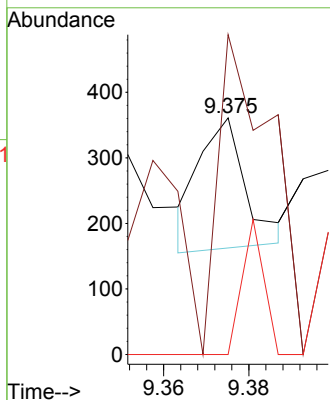
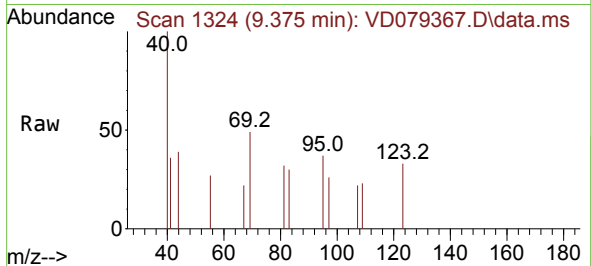




#48
Methyl methacrylate
Concen: 12.183 ug/l
RT: 9.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

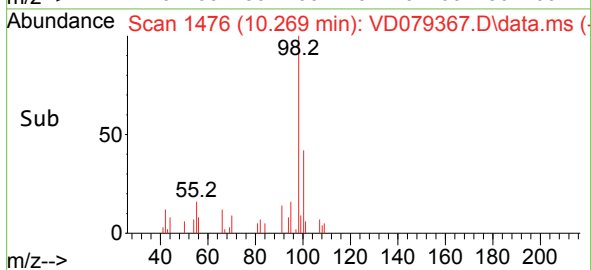
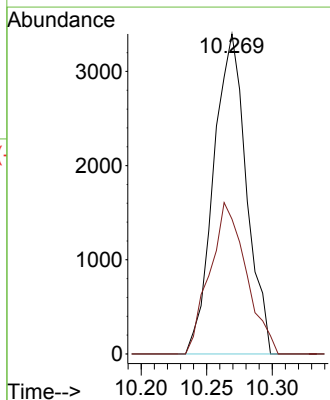
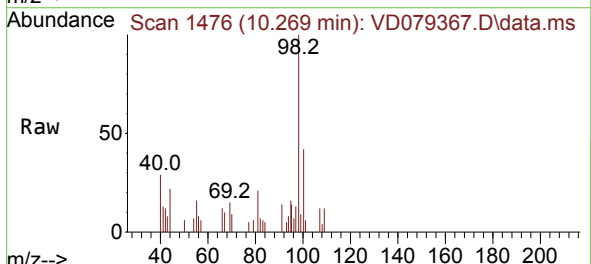
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

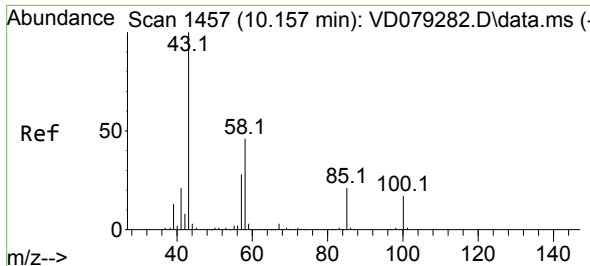
Tgt Ion: 41 Resp: 151
Ion Ratio Lower Upper
41 100
69 279.5 96.7 145.1#
39 48.3 43.8 65.6



#50
Toluene-d8
Concen: 51.288 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion: 98 Resp: 5911
Ion Ratio Lower Upper
98 100
100 52.5 51.6 77.4

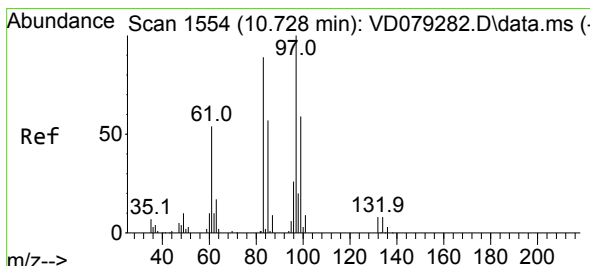
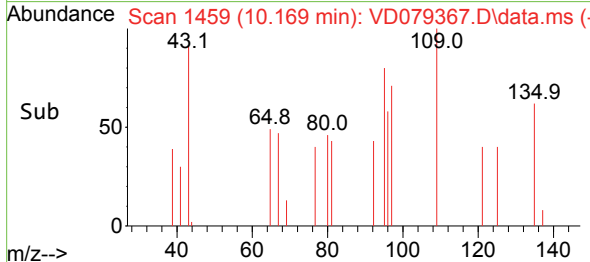
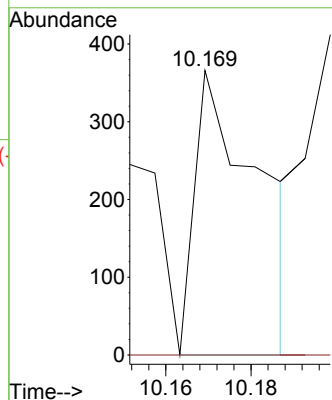
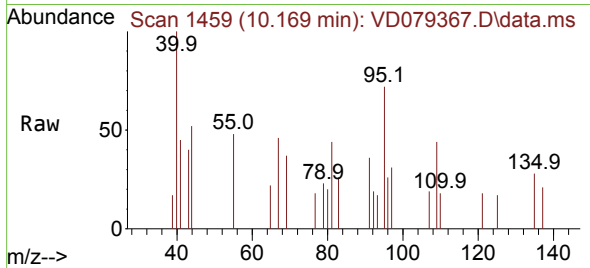




#51
4-Methyl-2-Pentanone
Concen: 23.549 ug/l
RT: 10.169 min Scan# 1457
Delta R.T. 0.012 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

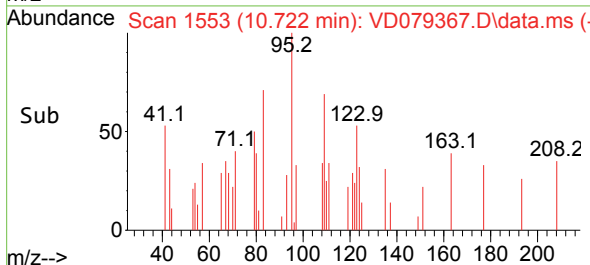
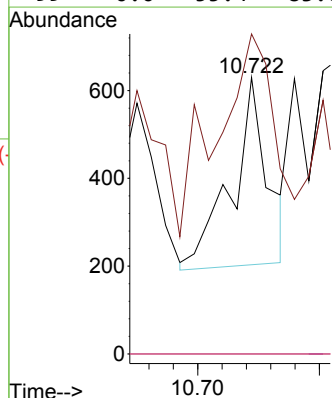
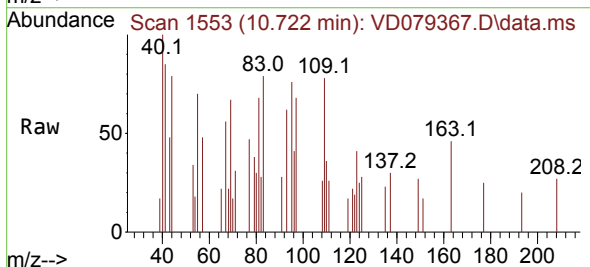
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

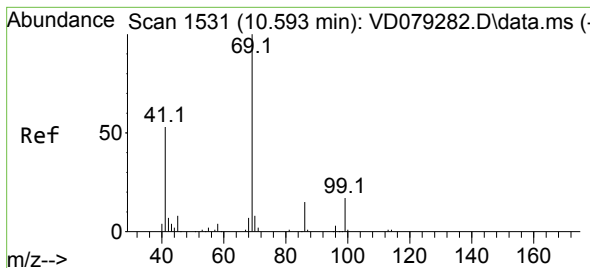
Tgt Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
58 0.0 36.6 55.0#



#55
1,1,2-Trichloroethane
Concen: 18.490 ug/l
RT: 10.722 min Scan# 1553
Delta R.T. -0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion: 97 Resp: 432
Ion Ratio Lower Upper
97 100
83 109.5 65.8 98.8#
85 0.0 43.8 65.8#
99 0.0 55.4 83.0#





#56

Ethyl methacrylate

Concen: 6.072 ug/l

RT: 10.593 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

Instrument :

MSVOA_D

ClientSampleId :

SOIL-DRUMS-2

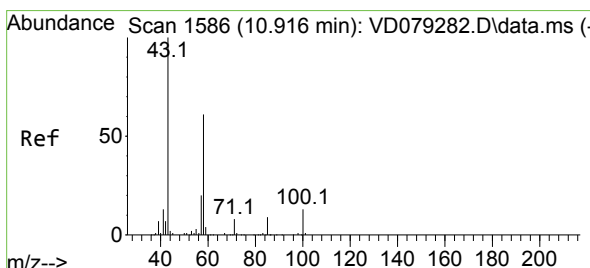
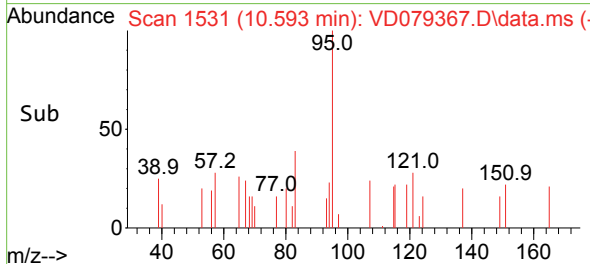
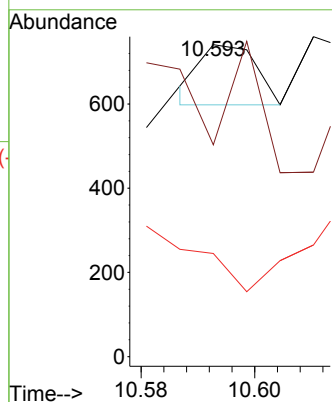
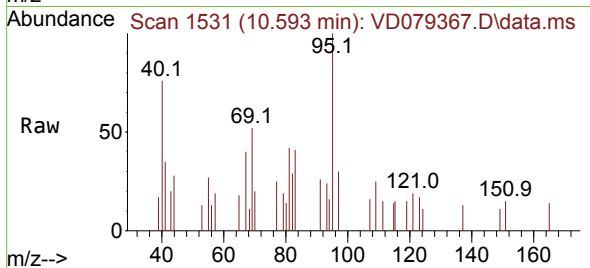
Tgt Ion: 69 Resp: 97

Ion Ratio Lower Upper

69 100

41 324.7 39.8 59.6#

39 0.0 20.2 30.4#



#59

2-Hexanone

Concen: 16.784 ug/l

RT: 10.910 min Scan# 1585

Delta R.T. -0.012 min

Lab File: VD079367.D

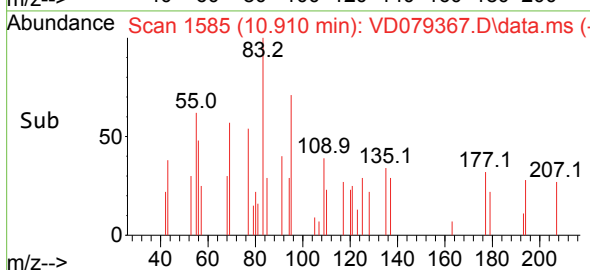
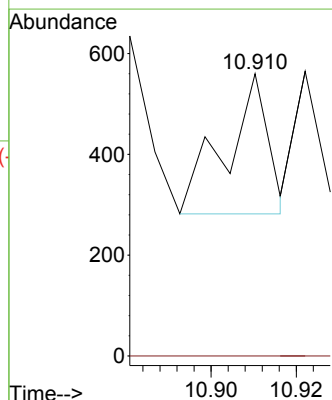
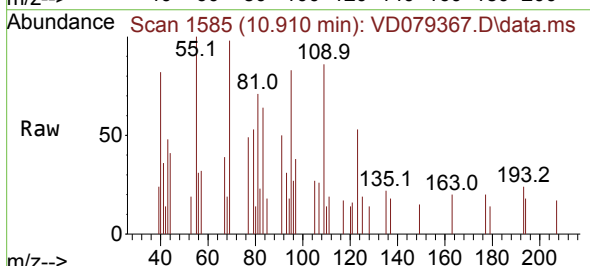
Acq: 09 Jul 2024 17:54

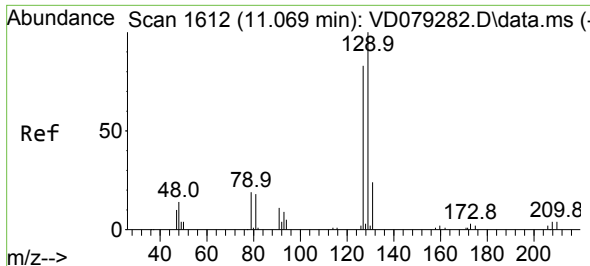
Tgt Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

58 0.0 31.1 93.5#

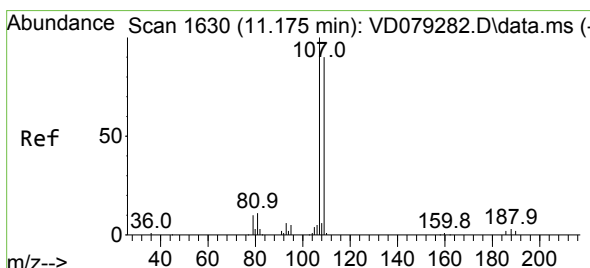
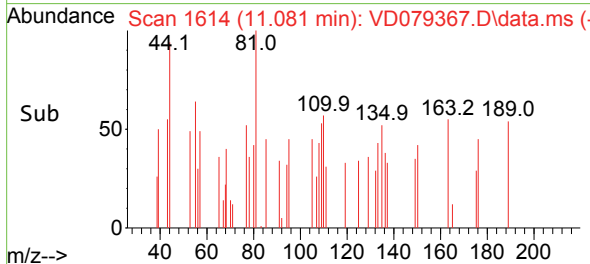
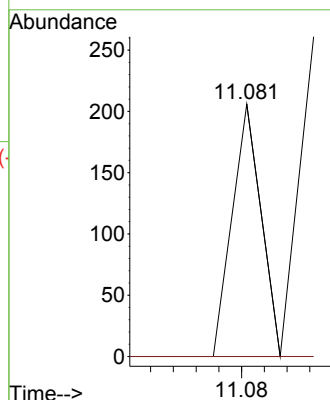
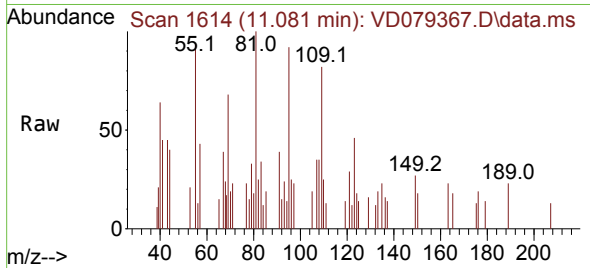




#60
Dibromochloromethane
Concen: 2.434 ug/l
RT: 11.081 min Scan# 1612
Delta R.T. 0.012 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

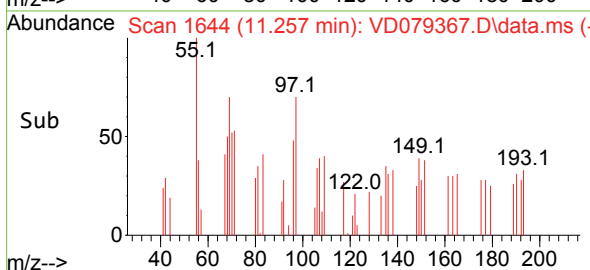
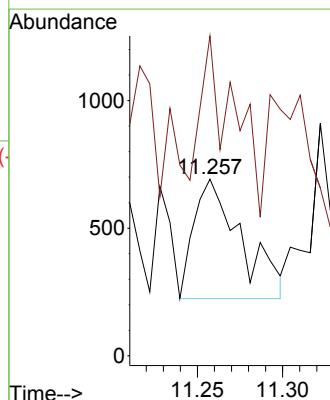
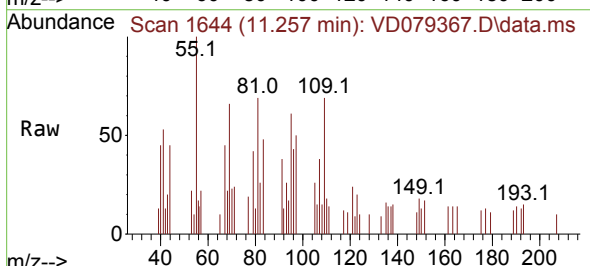
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

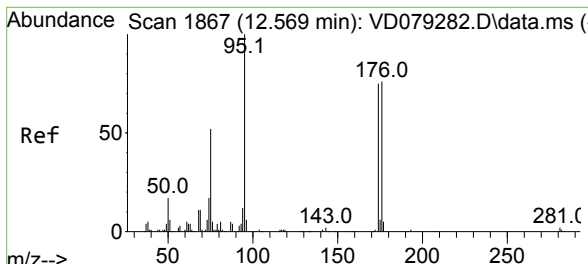
Tgt Ion:129 Resp: 73
Ion Ratio Lower Upper
129 100
127 0.0 38.0 113.9#



#61
1,2-Dibromoethane
Concen: 40.899 ug/l
RT: 11.257 min Scan# 1644
Delta R.T. 0.082 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion:107 Resp: 901
Ion Ratio Lower Upper
107 100
109 106.3 72.0 108.0

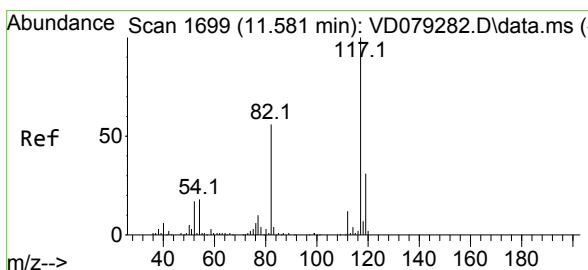
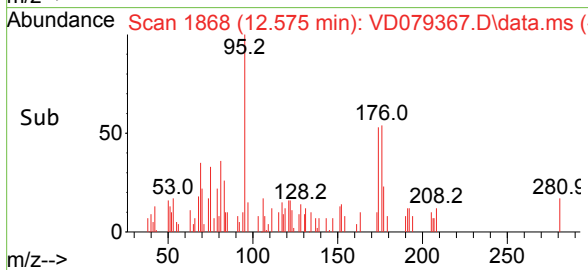
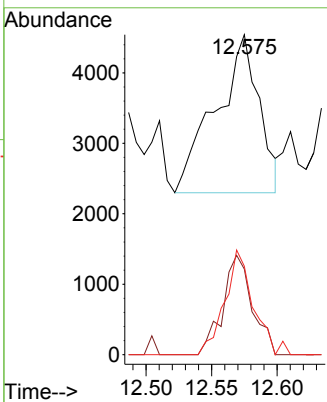
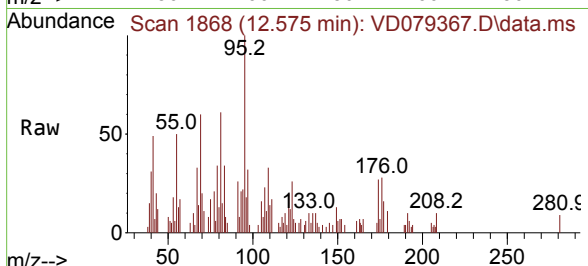




#62
4-Bromofluorobenzene
Concen: 144.522 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

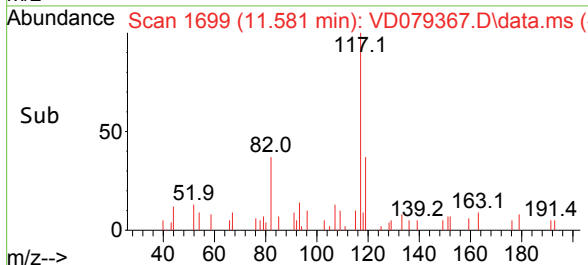
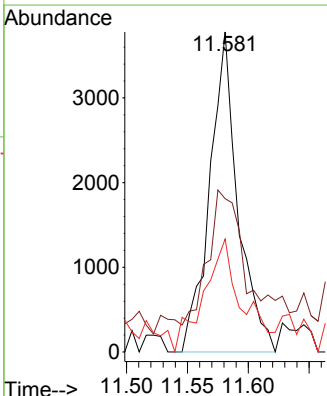
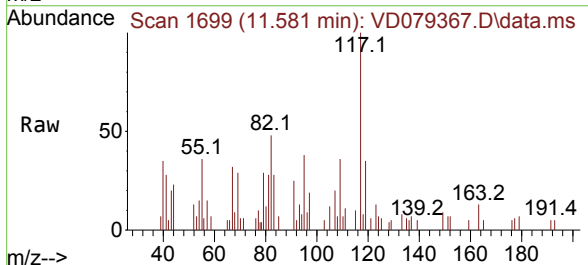
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

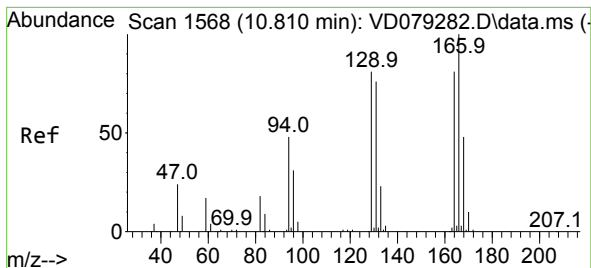
Tgt Ion:	95	Resp:	5177
Ion Ratio	Lower	Upper	
95	100		
174	42.7	0.0	195.4
176	43.9	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion:	117	Resp:	6108
Ion Ratio	Lower	Upper	
117	100		
82	37.8	39.8	59.6#
119	35.3	25.7	38.5





#64

Tetrachloroethene

Concen: 2.039 ug/l

RT: 10.757 min Scan# 1

Delta R.T. -0.047 min

Lab File: VD079367.D

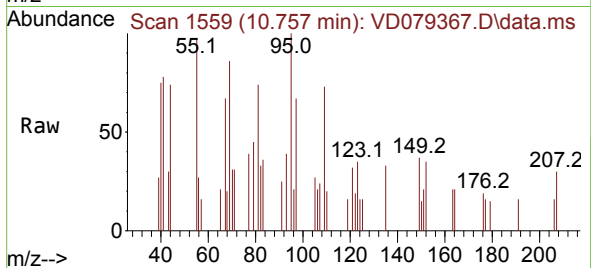
Acq: 09 Jul 2024 17:54

Instrument :

MSVOA_D

ClientSampleId :

SOIL-DRUMS-2



Tgt Ion:164 Resp: 73

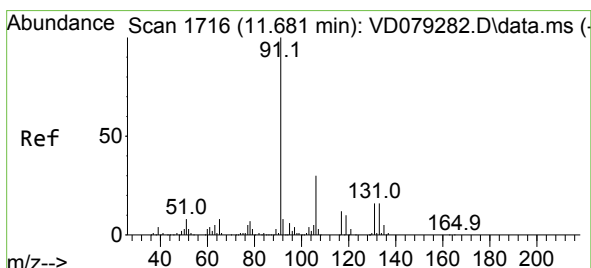
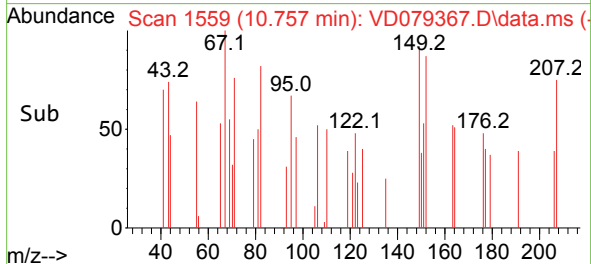
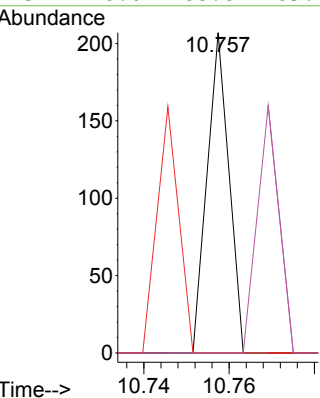
Ion Ratio Lower Upper

164 100

166 0.0 108.6 163.0#

129 0.0 74.6 112.0#

131 0.0 68.6 103.0#



#66

1,1,1,2-Tetrachloroethane

Concen: 3.930 ug/l

RT: 11.675 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

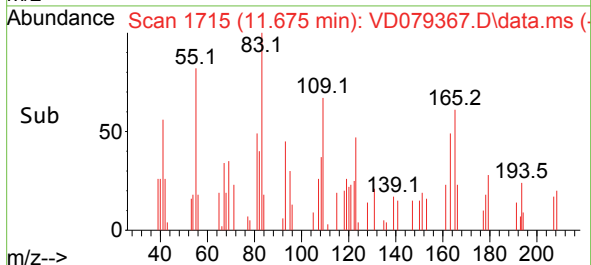
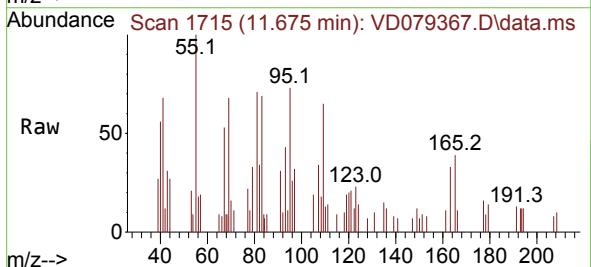
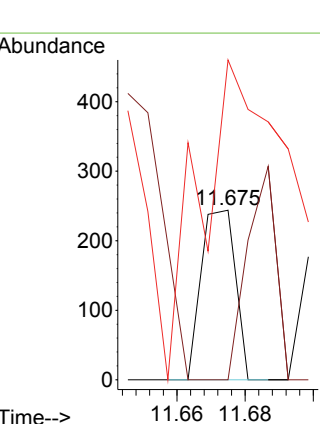
Tgt Ion:131 Resp: 170

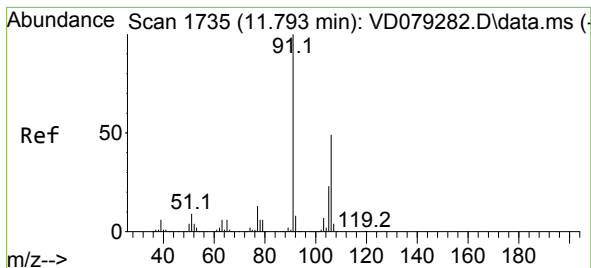
Ion Ratio Lower Upper

131 100

133 105.3 49.2 147.6

119 524.1 33.4 100.2#

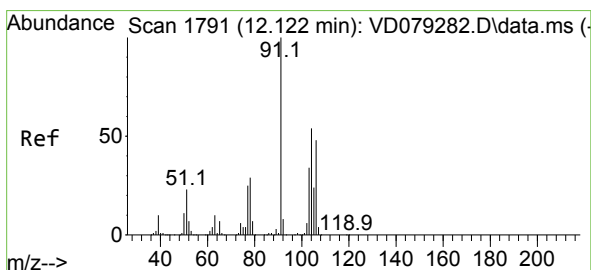
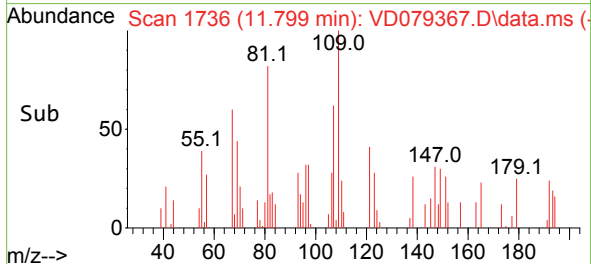
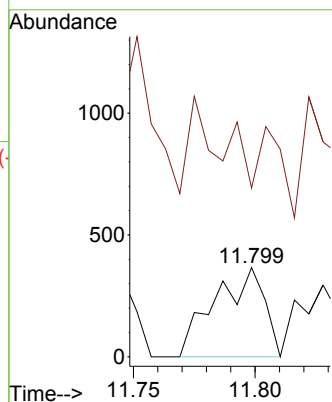
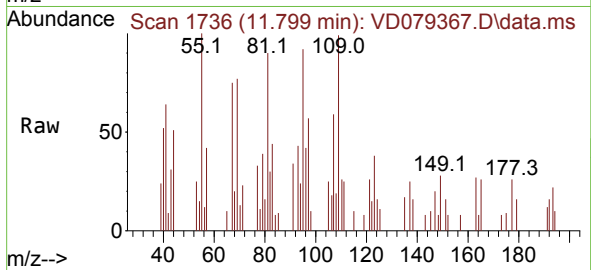




#68
m/p-Xylenes
Concen: 6.292 ug/l
RT: 11.799 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

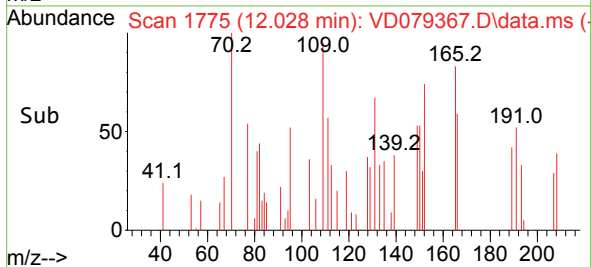
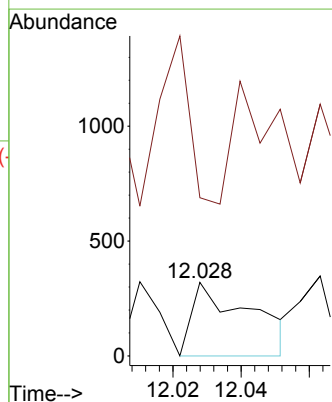
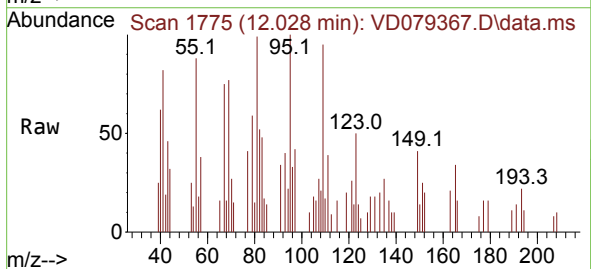
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

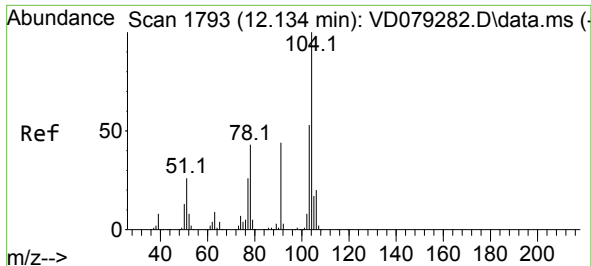
Tgt Ion:106 Resp: 520
Ion Ratio Lower Upper
106 100
91 0.0 148.5 222.7#



#69
o-Xylene
Concen: 4.927 ug/l
RT: 12.028 min Scan# 1775
Delta R.T. -0.088 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion:106 Resp: 381
Ion Ratio Lower Upper
106 100
91 116.0 96.7 290.1

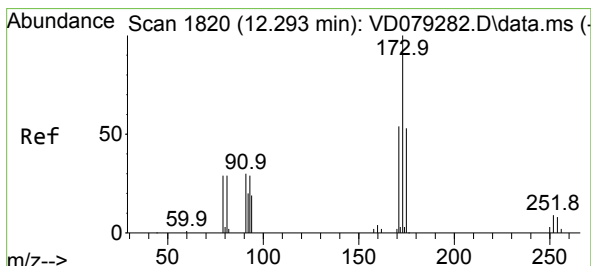
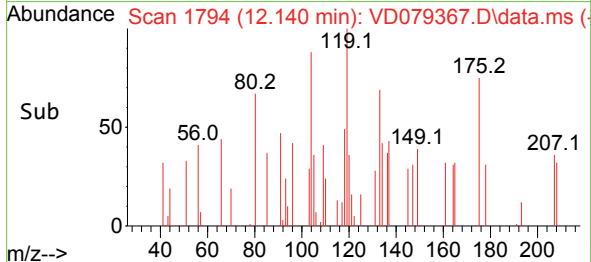
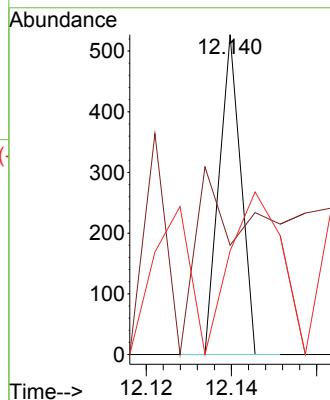
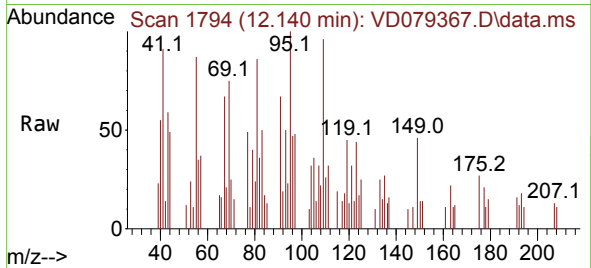




#70
Styrene
Concen: 1.348 ug/l
RT: 12.140 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

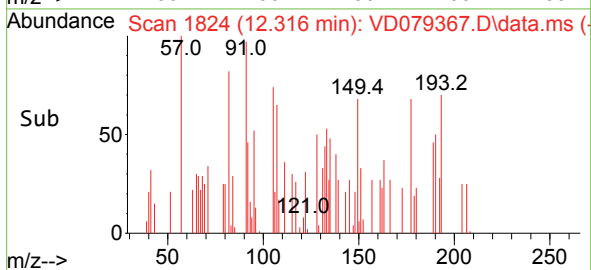
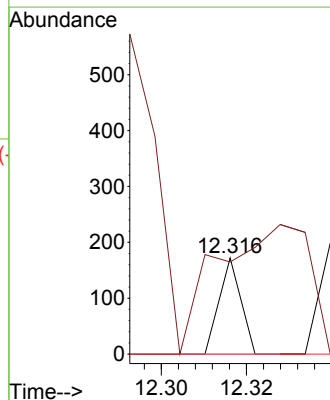
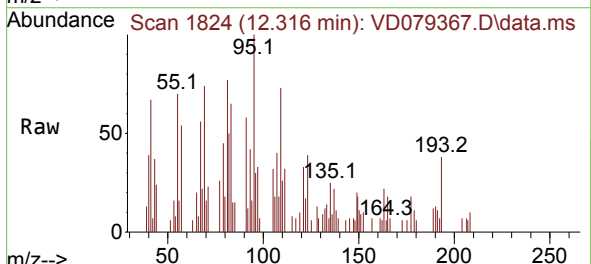
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

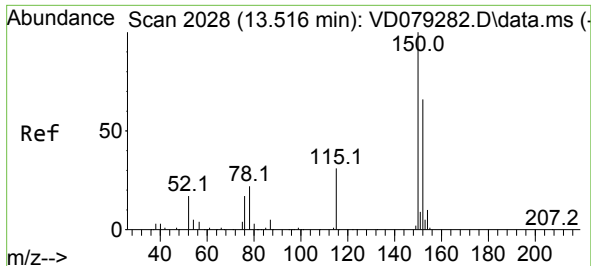
Tgt Ion:104 Resp: 186
Ion Ratio Lower Upper
104 100
78 0.0 33.0 49.6#
103 120.4 44.2 66.4#



#71
Bromoform
Concen: 2.434 ug/l
RT: 12.316 min Scan# 1824
Delta R.T. 0.018 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion:173 Resp: 61
Ion Ratio Lower Upper
173 100
175 370.5 23.7 71.1#
254 0.0 0.0 0.0

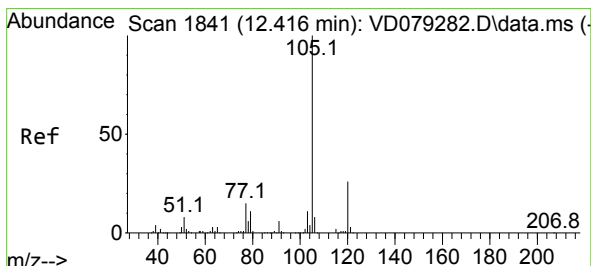
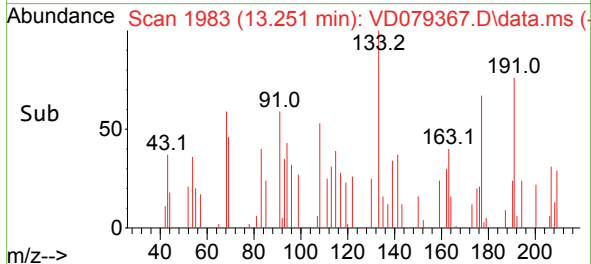
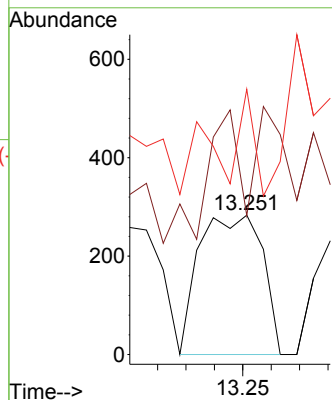
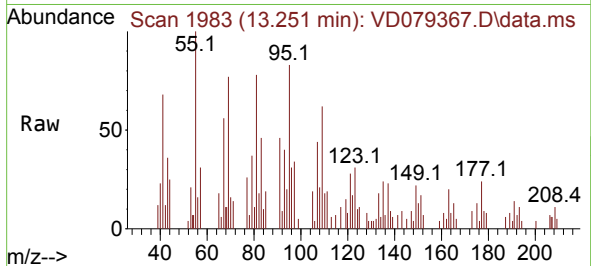




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.251 min Scan# 1983
Delta R.T. -0.265 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

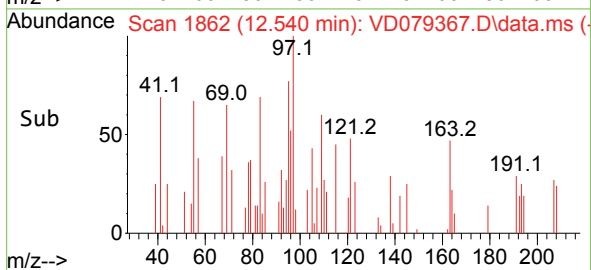
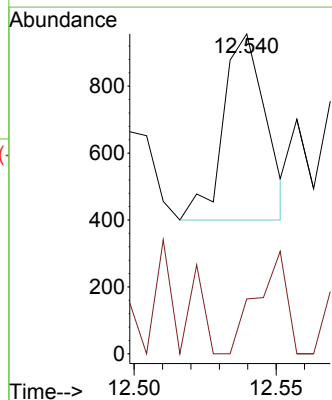
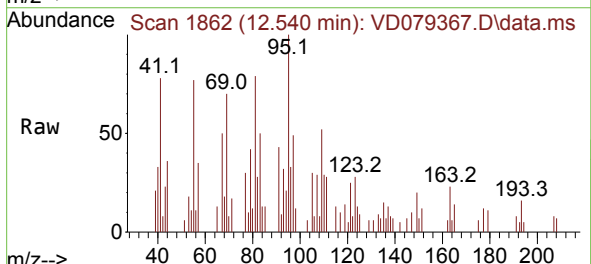
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

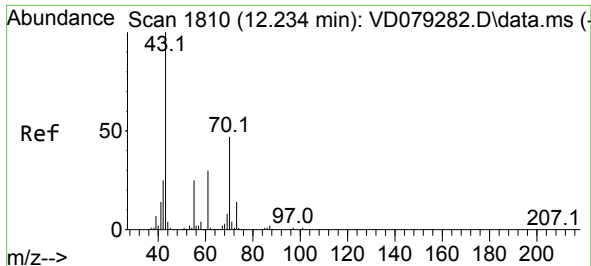
Tgt Ion:152 Resp: 439
Ion Ratio Lower Upper
152 100
115 39.4 26.5 79.5
150 159.7 0.0 341.6



#73
Isopropylbenzene
Concen: 19.657 ug/l
RT: 12.540 min Scan# 1862
Delta R.T. 0.124 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion:105 Resp: 576
Ion Ratio Lower Upper
105 100
120 39.1 13.6 40.7

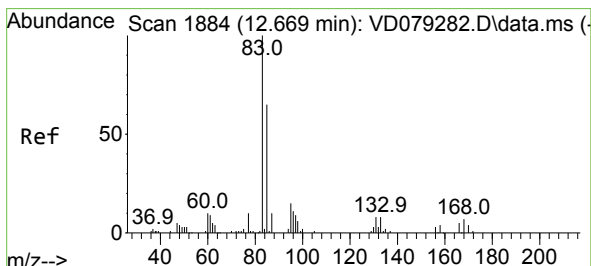
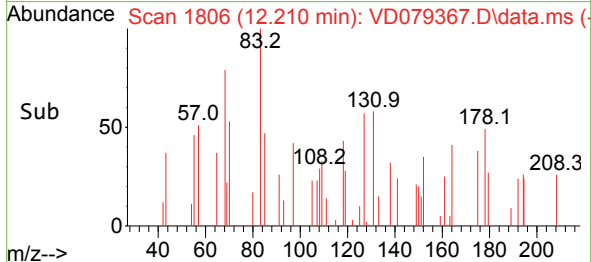
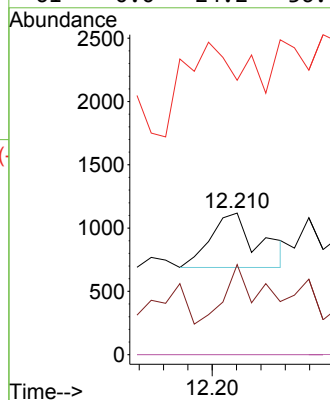
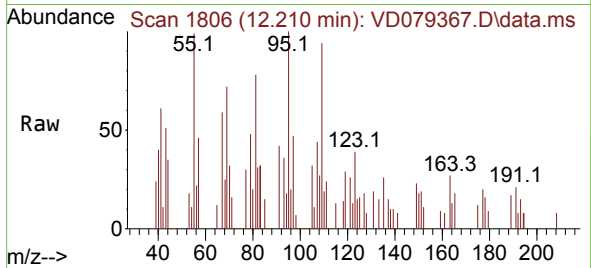




#74
N-amy1 acetate
Concen: 89.900 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.018 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

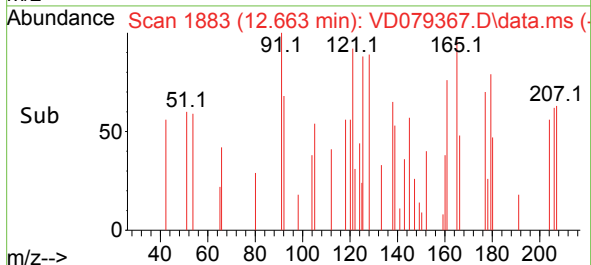
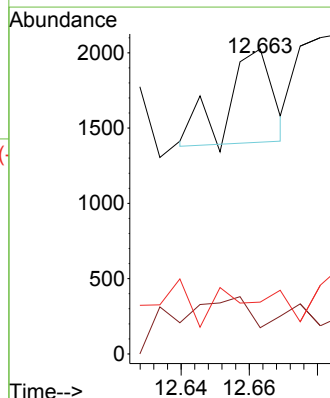
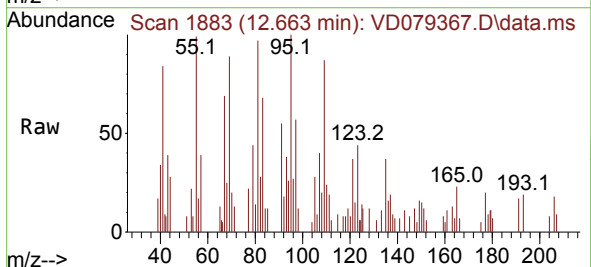
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

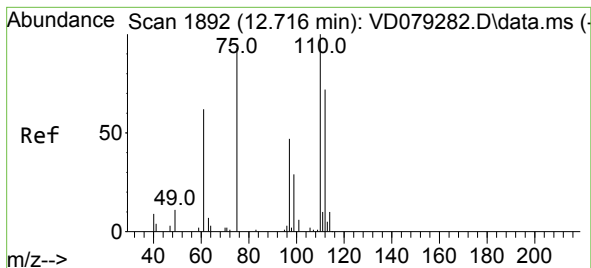
Tgt Ion: 43	Resp: 592
Ion Ratio	Lower Upper
43	100
70	133.8 44.3 66.5#
55	176.4 23.2 34.8#
61	0.0 24.2 36.4#



#75
1,1,2,2-Tetrachloroethane
Concen: 92.397 ug/l
RT: 12.663 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion: 83	Resp: 572
Ion Ratio	Lower Upper
83	100
131	107.3 5.5 16.5#
85	0.0 33.8 101.3#





#76

1,2,3-Trichloropropane

Concen: 15.410 ug/l

RT: 12.763 min Scan# 1892

Delta R.T. 0.041 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

Instrument :

MSVOA_D

ClientSampleId :

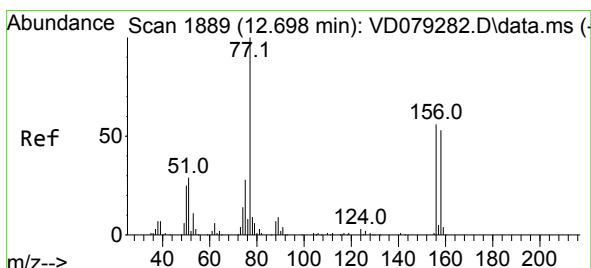
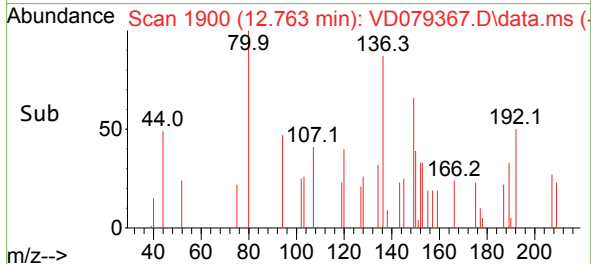
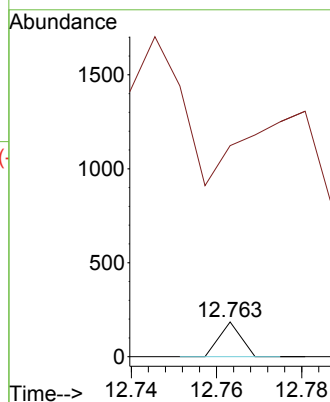
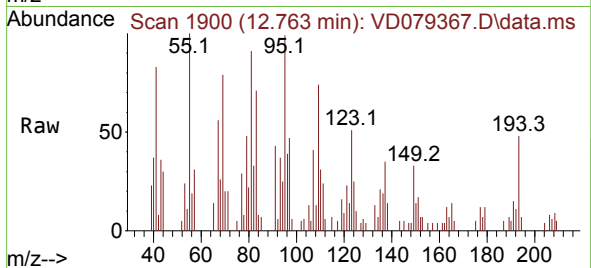
SOIL-DRUMS-2

Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

77 675.4 0.0 0.0#



#77

Bromobenzene

Concen: 10.384 ug/l

RT: 12.634 min Scan# 1878

Delta R.T. -0.065 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

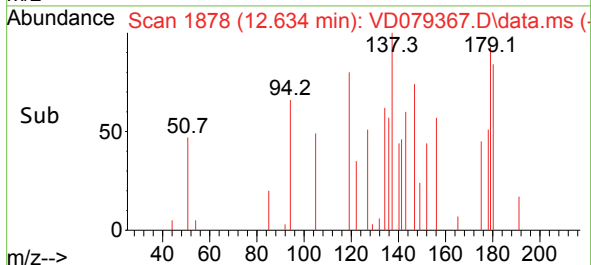
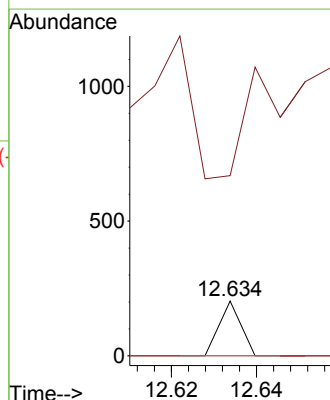
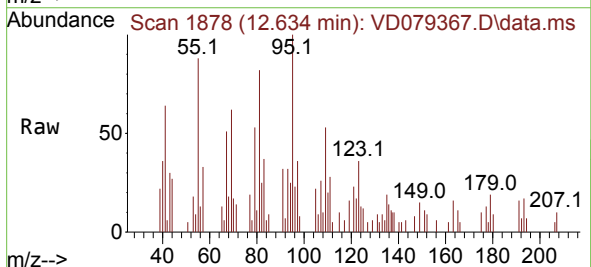
Tgt Ion: 156 Resp: 72

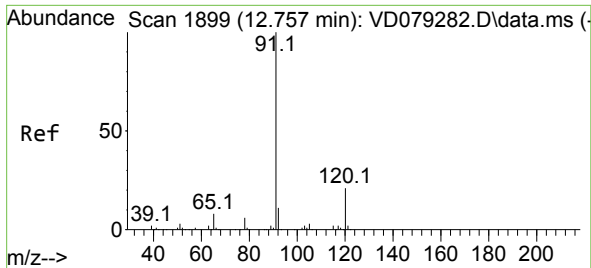
Ion Ratio Lower Upper

156 100

77 709.7 77.3 231.9#

158 0.0 49.6 149.0#

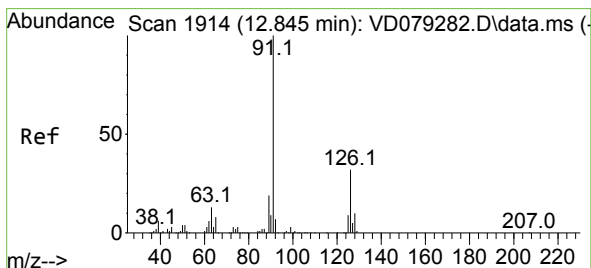
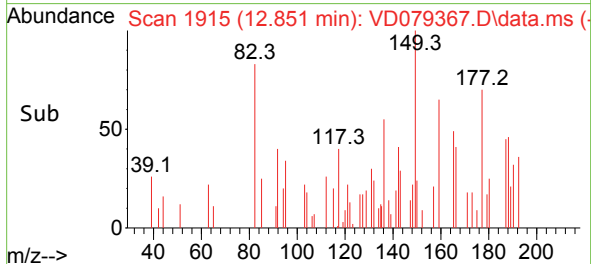
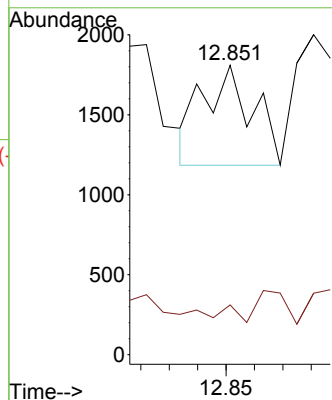
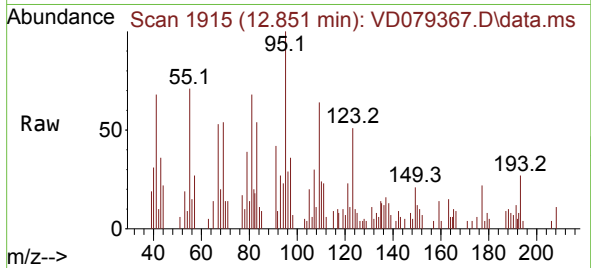




#78
n-propylbenzene
Concen: 20.782 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.088 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

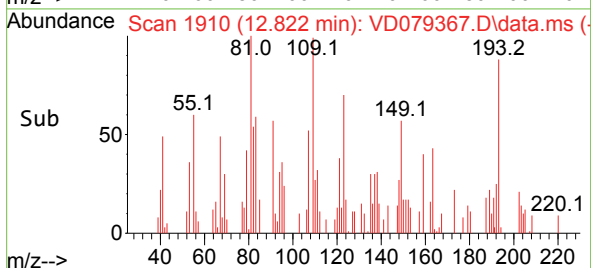
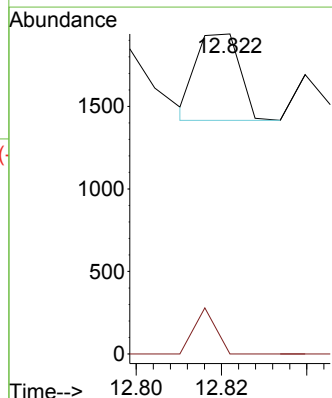
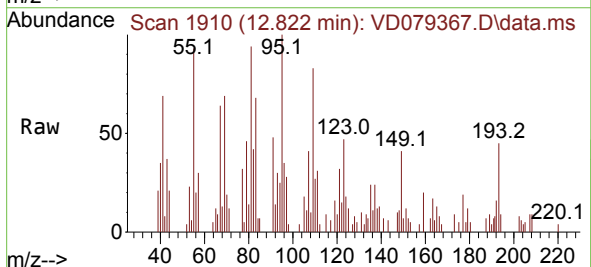
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

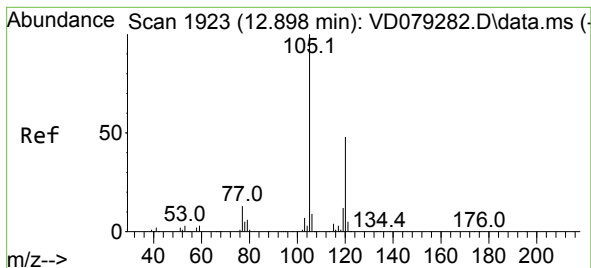
Tgt Ion: 91 Resp: 759
Ion Ratio Lower Upper
91 100
120 27.4 12.3 36.8



#79
2-Chlorotoluene
Concen: 17.664 ug/l
RT: 12.822 min Scan# 1910
Delta R.T. -0.024 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion: 91 Resp: 370
Ion Ratio Lower Upper
91 100
126 26.5 19.3 57.8





#80

1,3,5-Trimethylbenzene

Concen: 16.307 ug/l

RT: 12.857 min Scan# 1923

Delta R.T. -0.041 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

Instrument :

MSVOA_D

ClientSampleId :

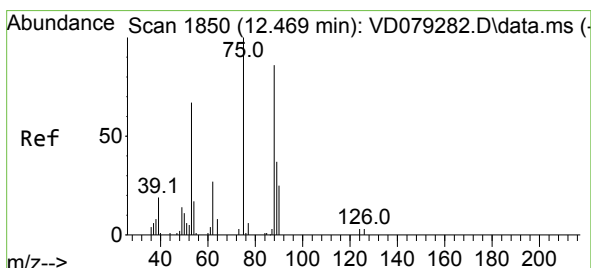
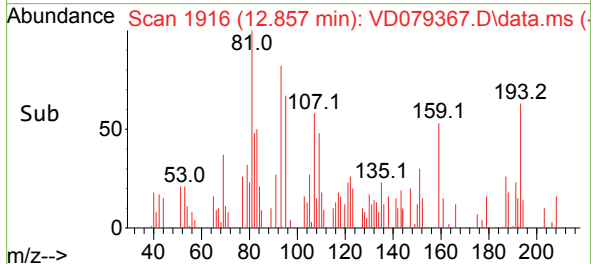
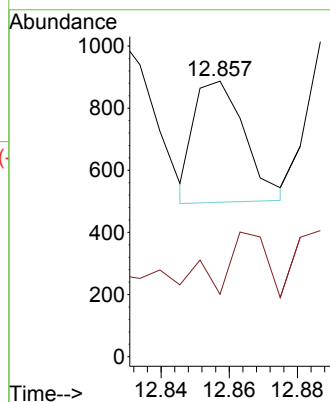
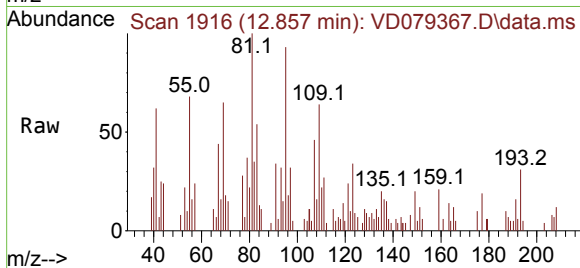
SOIL-DRUMS-2

Tgt Ion:105 Resp: 405

Ion Ratio Lower Upper

105 100

120 54.3 25.7 77.1



#81

trans-1,4-Dichloro-2-butene

Concen: 566.357 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.100 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

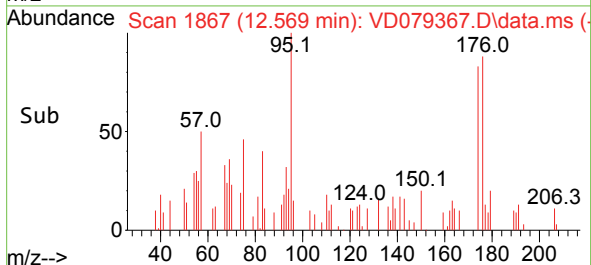
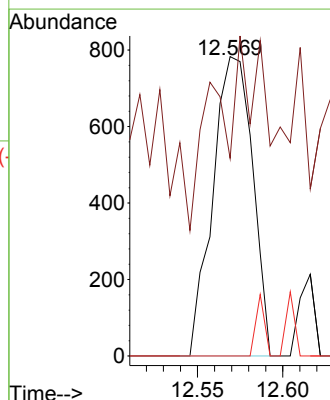
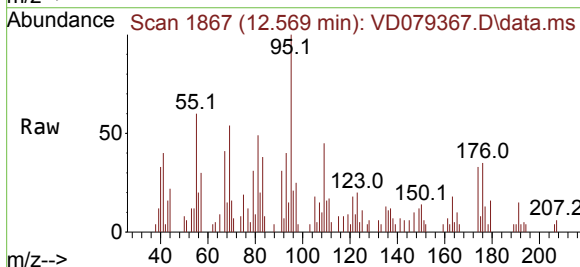
Tgt Ion: 75 Resp: 1267

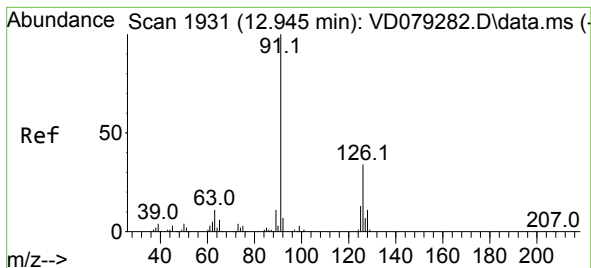
Ion Ratio Lower Upper

75 100

53 46.9 61.4 92.2#

89 4.5 35.4 53.0#





#82

4-Chlorotoluene

Concen: 11.574 ug/l

RT: 12.922 min Scan# 1931

Delta R.T. -0.024 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

Instrument :

MSVOA_D

ClientSampleId :

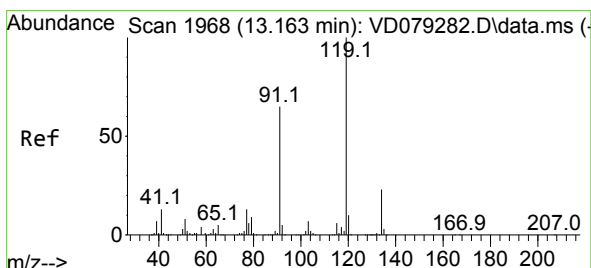
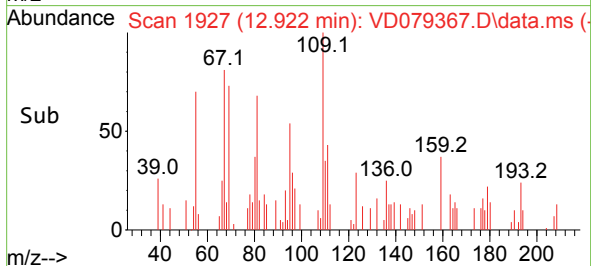
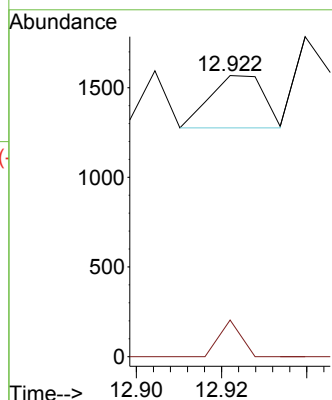
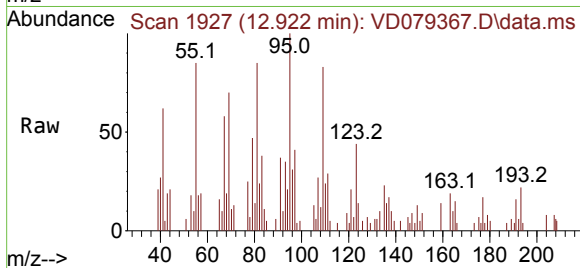
SOIL-DRUMS-2

Tgt Ion: 91 Resp: 258

Ion Ratio Lower Upper

91 100

126 27.9 18.9 56.9



#83

tert-Butylbenzene

Concen: 13.934 ug/l

RT: 13.151 min Scan# 1966

Delta R.T. -0.012 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

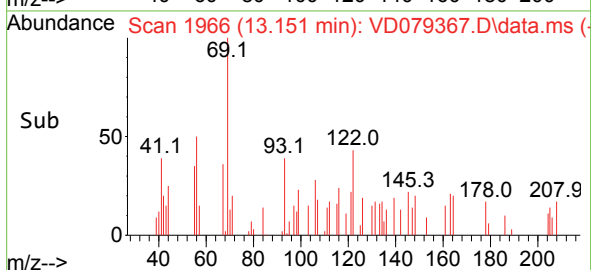
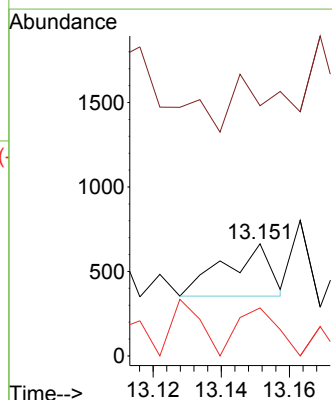
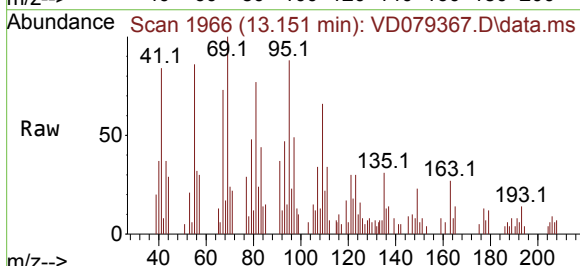
Tgt Ion: 119 Resp: 289

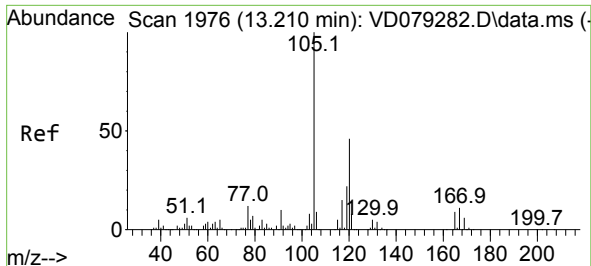
Ion Ratio Lower Upper

119 100

91 60.9 28.2 84.7

134 81.3 13.4 40.1#

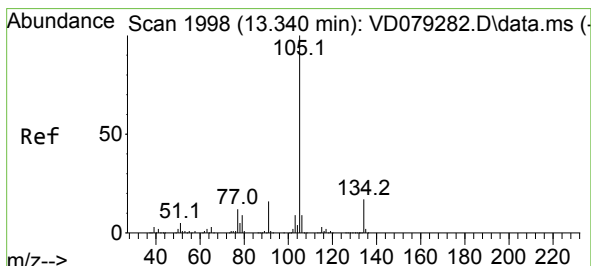
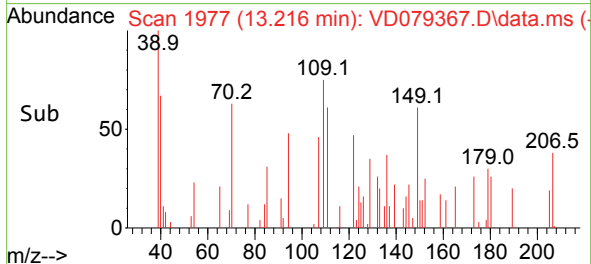
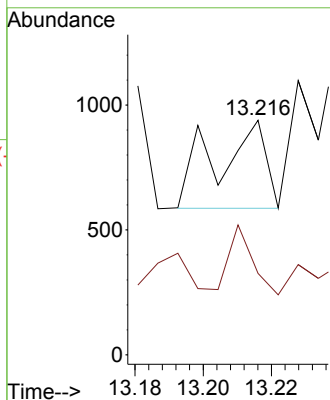
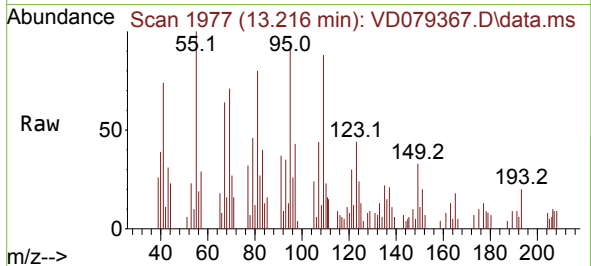




#84
1,2,4-Trimethylbenzene
Concen: 14.091 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

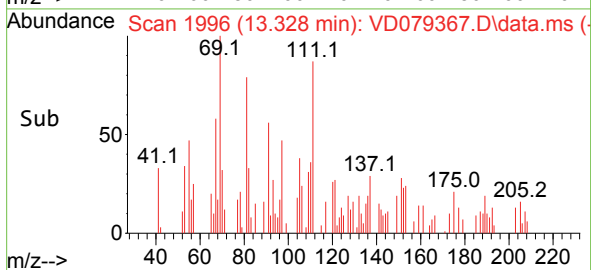
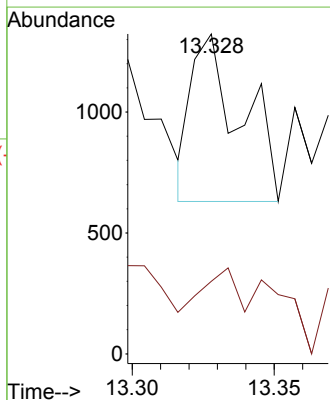
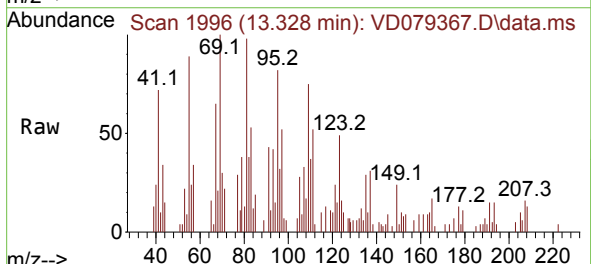
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

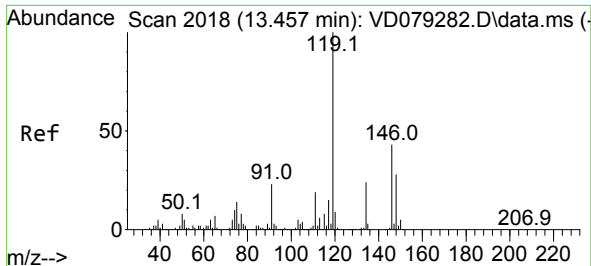
Tgt Ion:105 Resp: 355
Ion Ratio Lower Upper
105 100
120 36.9 23.6 71.0



#85
sec-Butylbenzene
Concen: 26.267 ug/l
RT: 13.328 min Scan# 1996
Delta R.T. -0.012 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion:105 Resp: 835
Ion Ratio Lower Upper
105 100
134 21.2 10.3 30.8

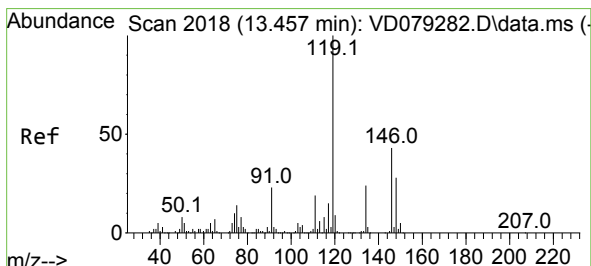
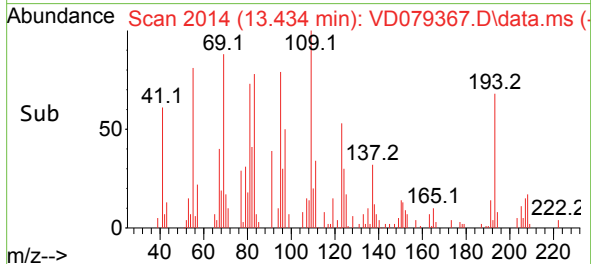
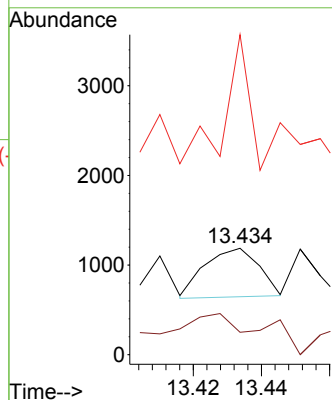
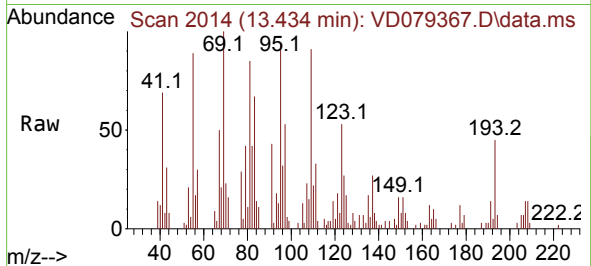




#86
p-Isopropyltoluene
Concen: 22.867 ug/l
RT: 13.434 min Scan# 2014
Delta R.T. -0.024 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

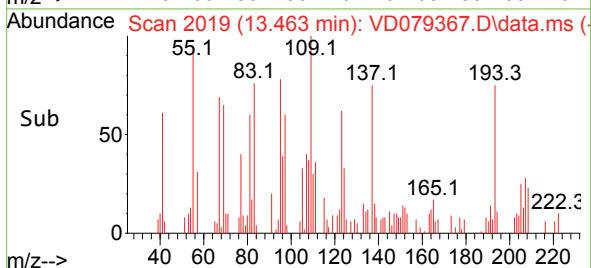
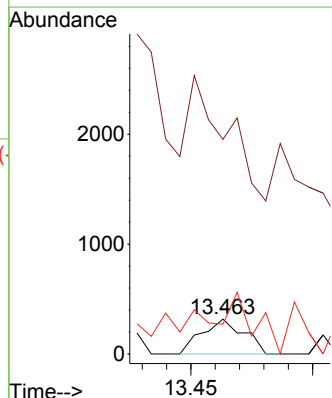
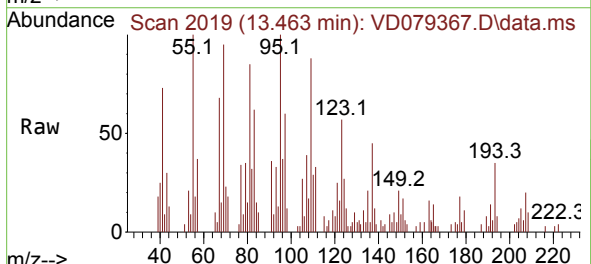
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

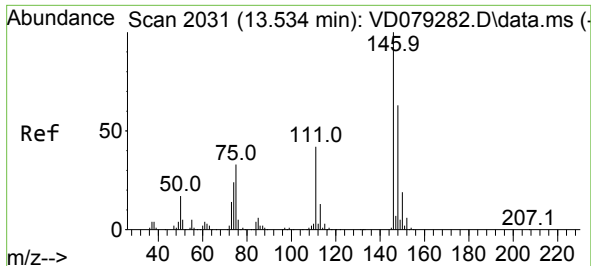
Tgt Ion:119 Resp: 602
Ion Ratio Lower Upper
119 100
134 121.6 13.7 41.1#
91 474.4 10.7 32.1#



#87
1,3-Dichlorobenzene
Concen: 26.058 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion:146 Resp: 381
Ion Ratio Lower Upper
146 100
111 538.1 18.5 55.5#
148 243.8 30.9 92.8#

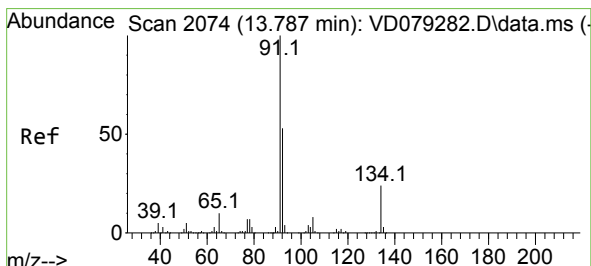
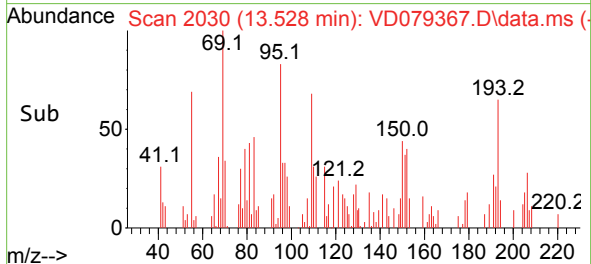
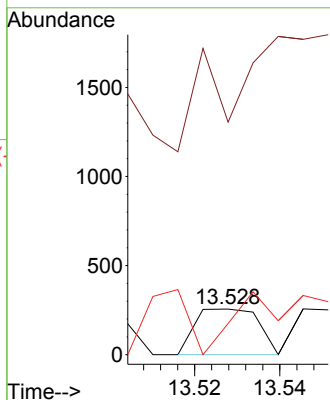
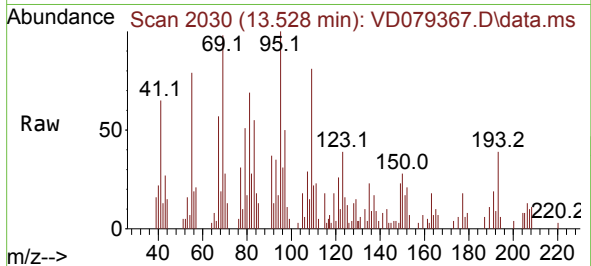




#88
1,4-Dichlorobenzene
Concen: 17.939 ug/l
RT: 13.528 min Scan# 2030
Delta R.T. -0.006 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

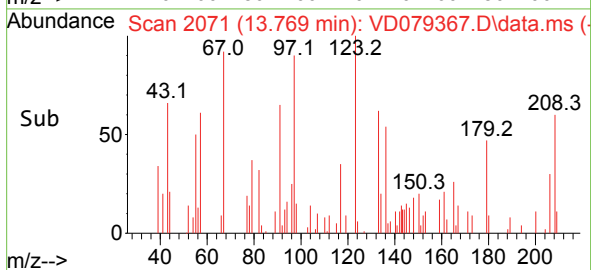
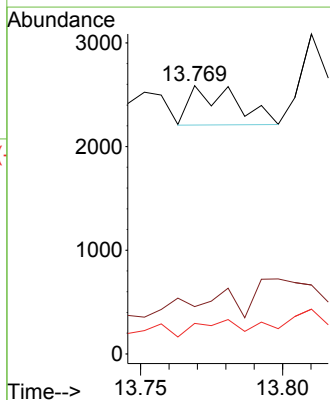
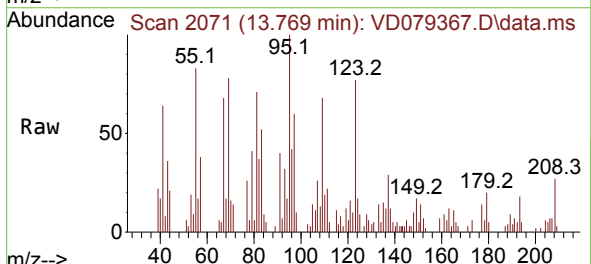
Instrument :
MSVOA_D
ClientSampleId :
SOIL-DRUMS-2

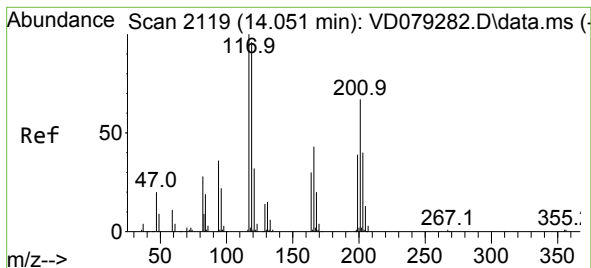
Tgt Ion:146 Resp: 264
Ion Ratio Lower Upper
146 100
111 0.0 17.5 52.6#
148 179.9 31.4 94.2#



#89
n-Butylbenzene
Concen: 16.568 ug/l
RT: 13.769 min Scan# 2071
Delta R.T. -0.012 min
Lab File: VD079367.D
Acq: 09 Jul 2024 17:54

Tgt Ion: 91 Resp: 424
Ion Ratio Lower Upper
91 100
92 68.6 25.7 77.0
134 38.7 13.6 40.8





#90

Hexachloroethane

Concen: 43.501 ug/l

RT: 14.022 min Scan# 2119

Delta R.T. -0.029 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

Instrument :

MSVOA_D

ClientSampleId :

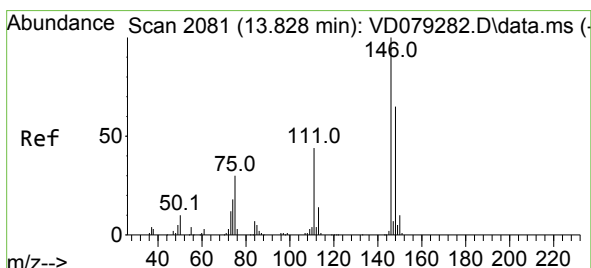
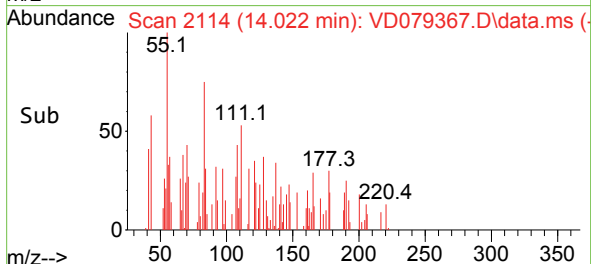
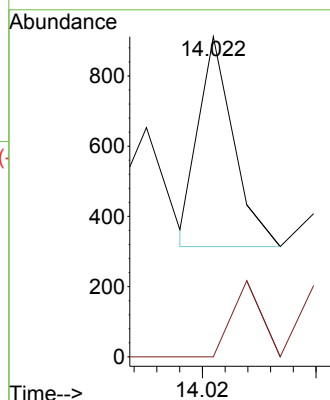
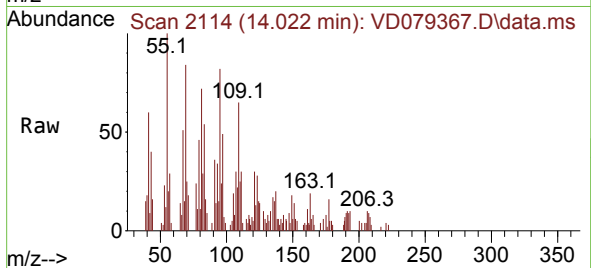
SOIL-DRUMS-2

Tgt Ion:117 Resp: 253

Ion Ratio Lower Upper

117 100

201 58.5 36.3 108.9



#91

1,2-Dichlorobenzene

Concen: 39.474 ug/l

RT: 13.798 min Scan# 2076

Delta R.T. -0.029 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

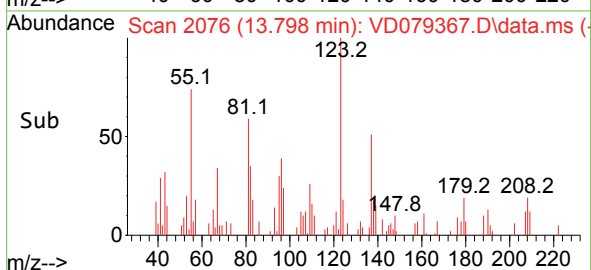
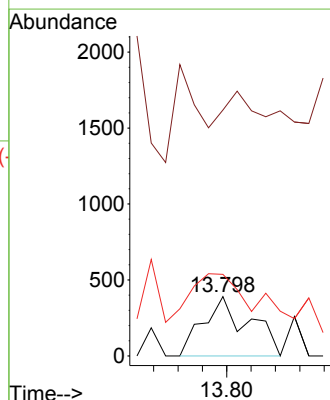
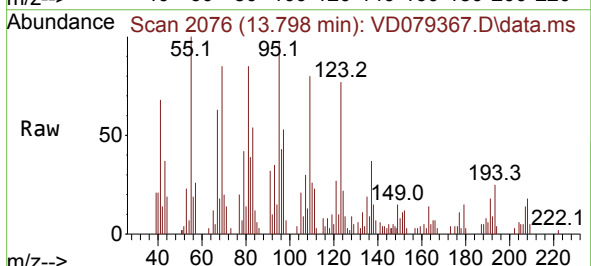
Tgt Ion:146 Resp: 512

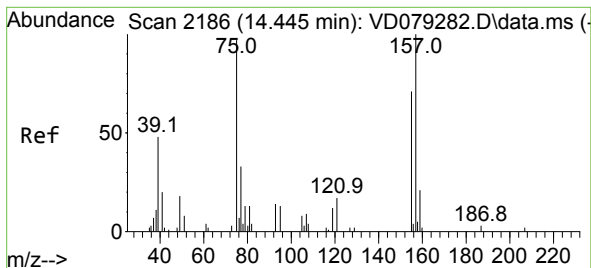
Ion Ratio Lower Upper

146 100

111 0.0 19.1 57.1#

148 296.5 31.1 93.5#

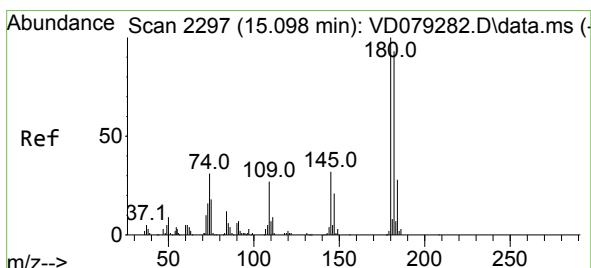
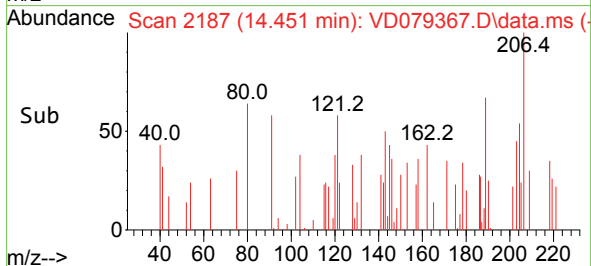
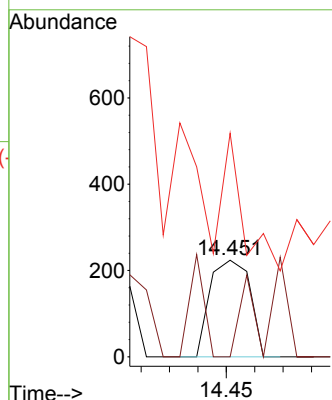
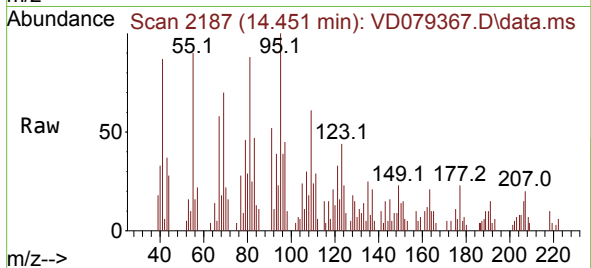




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 250.710 ug/l
 RT: 14.451 min Scan# 2186
 Delta R.T. 0.006 min
 Lab File: VD079367.D
 Acq: 09 Jul 2024 17:54

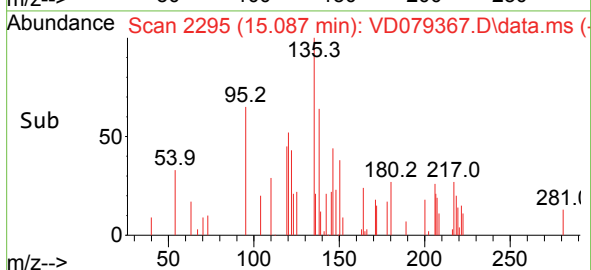
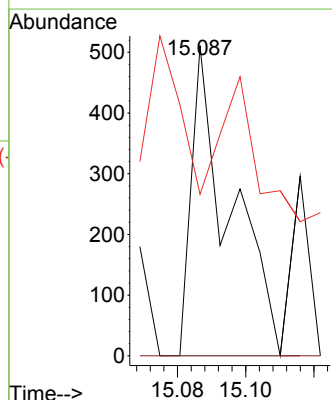
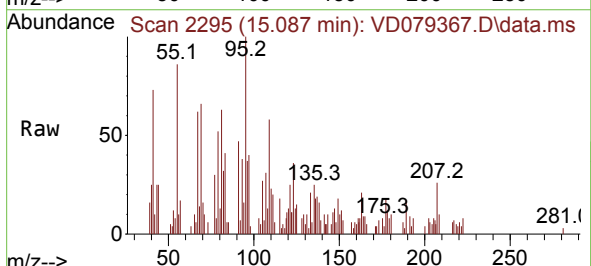
Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-DRUMS-2

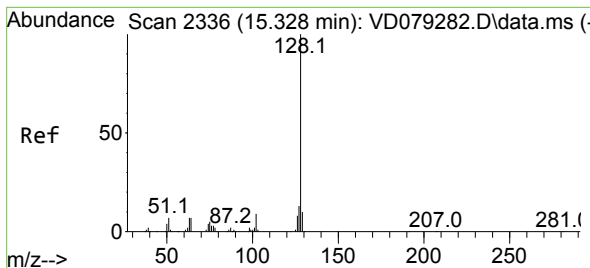
Tgt Ion: 75 Resp: 218
 Ion Ratio Lower Upper
 75 100
 155 30.7 47.7 143.1#
 157 0.0 63.4 190.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 55.017 ug/l
 RT: 15.087 min Scan# 2295
 Delta R.T. -0.006 min
 Lab File: VD079367.D
 Acq: 09 Jul 2024 17:54

Tgt Ion: 180 Resp: 401
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.9 140.7#
 145 42.1 14.0 41.9#





#95

Naphthalene

Concen: 71.636 ug/l

RT: 15.316 min Scan# 2334

Delta R.T. -0.012 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

Instrument :

MSVOA_D

ClientSampleId :

SOIL-DRUMS-2

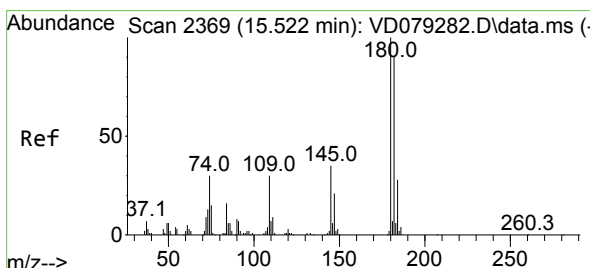
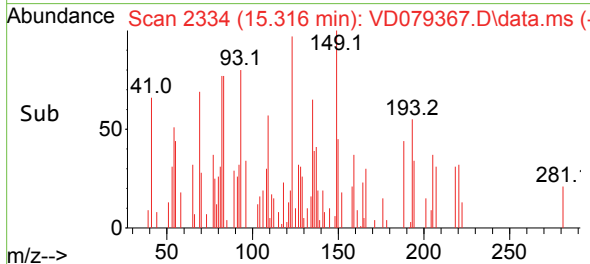
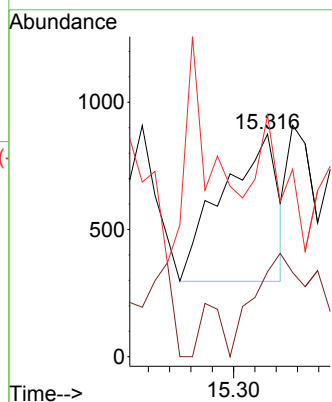
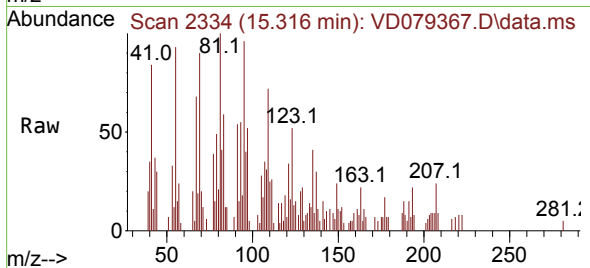
Tgt Ion:128 Resp: 1038

Ion Ratio Lower Upper

128 100

127 38.2 10.2 15.4#

129 108.5 8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 19.813 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. 0.006 min

Lab File: VD079367.D

Acq: 09 Jul 2024 17:54

Tgt Ion:180 Resp: 129

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 317.1 16.1 48.2#

