

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111622\
 Data File : VD074947.D
 Acq On : 16 Nov 2022 14:31
 Operator : VA/SY
 Sample : N5642-02
 Misc : 6.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE-22

Quant Time: Nov 17 00:20:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

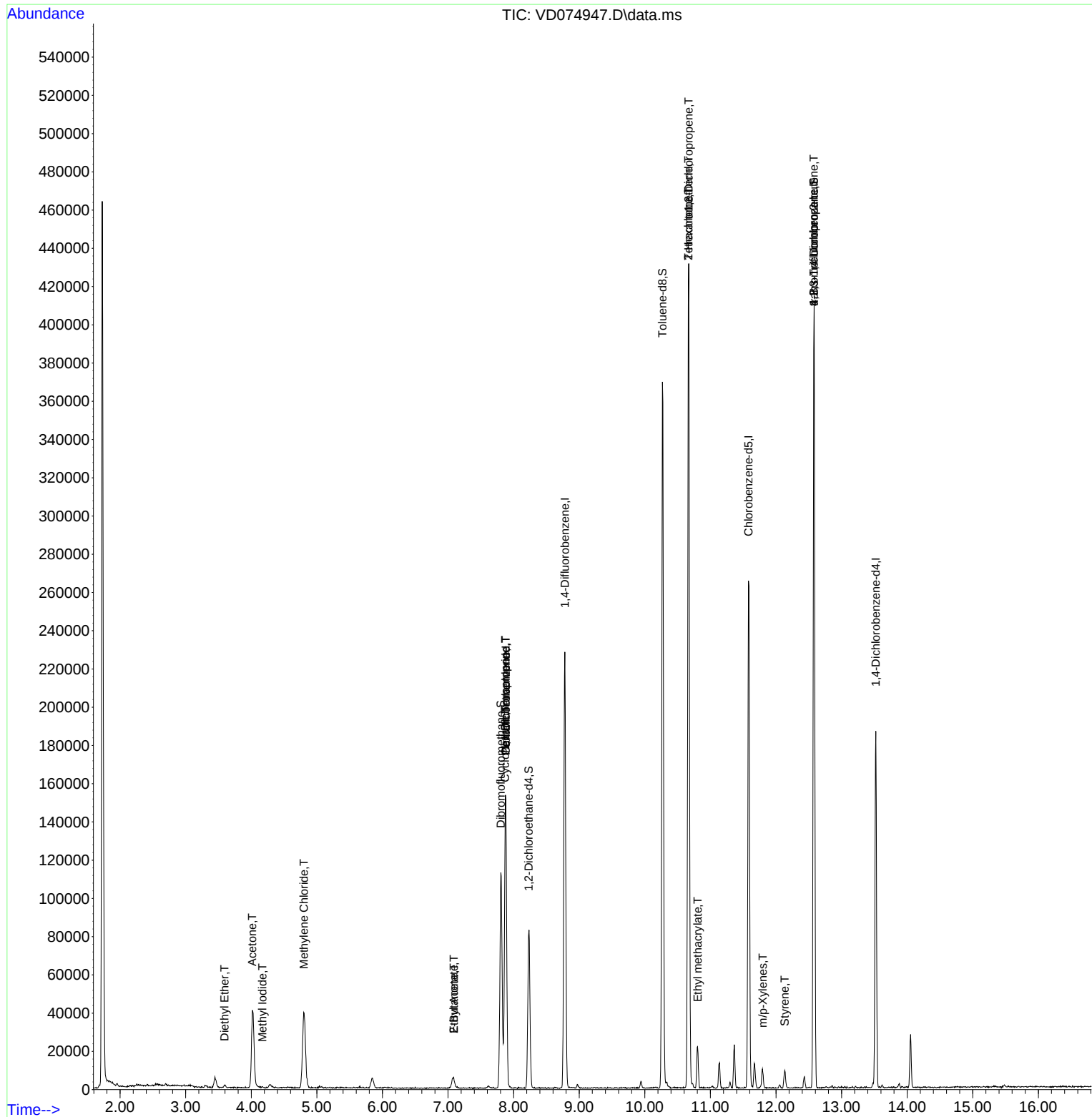
Internal Standards						
1) Pentafluorobenzene	7.881	168	126283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	220507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	173158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	53378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	64767	80.840	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.680%	
35) Dibromofluoromethane	7.805	113	82984	61.050	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.100%	
50) Toluene-d8	10.269	98	267244	59.686	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.380%	
62) 4-Bromofluorobenzene	12.575	95	65762	47.831	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.660%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	391	Below Cal	#	37
5) Bromomethane	2.699	94	713	Below Cal		82
8) Diethyl Ether	3.593	74	651	1.125	ug/l	73
10) Methyl Iodide	4.169	142	307	4.950	ug/l #	43
11) Tert butyl alcohol	5.052	59	861	Below Cal	#	84
16) Acetone	4.016	43	70971	340.435	ug/l	98
18) Methyl Acetate	4.558	43	253	Below Cal	#	44
20) Methylene Chloride	4.805	84	35510	9.264	ug/l	94
25) 2-Butanone	7.087	43	6017	22.072	ug/l	89
31) Cyclohexane	7.869	56	2185	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	9017	4.514	ug/l #	48
37) Ethyl Acetate	7.087	43	6017	8.976	ug/l #	66
38) Carbon Tetrachloride	7.881	117	12170	6.472	ug/l #	19
53) t-1,3-Dichloropropene	10.669	75	5188	3.274	ug/l #	63
56) Ethyl methacrylate	10.804	69	1011	3.551	ug/l #	1
59) 2-Hexanone	10.663	43	602	1.534	ug/l	90
64) Tetrachloroethene	10.663	164	1340	1.154	ug/l #	38
68) m/p-Xylenes	11.798	106	3611	1.535	ug/l	99
70) Styrene	12.134	104	3839	1.035	ug/l	99
76) 1,2,3-Trichloropropane	12.575	75	32618	73.060	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	32618	179.730	ug/l #	18

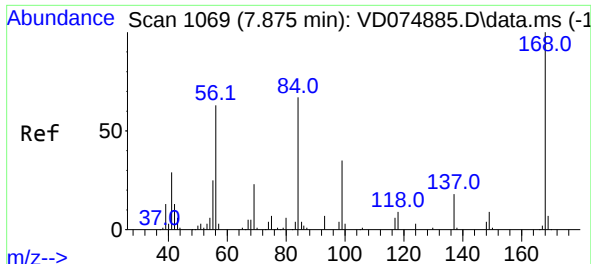
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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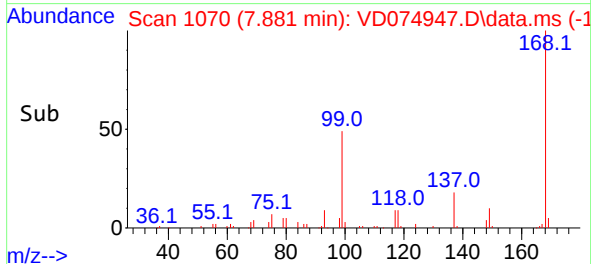
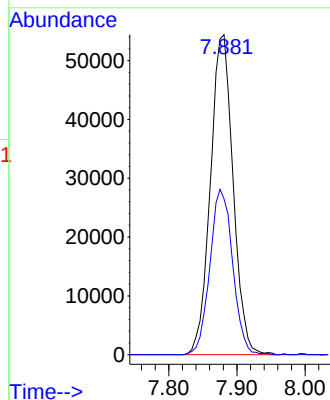
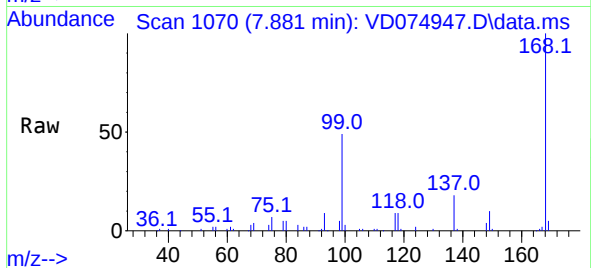




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

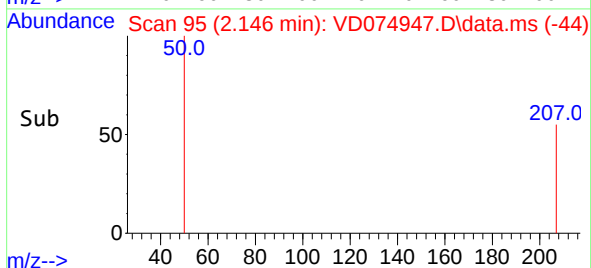
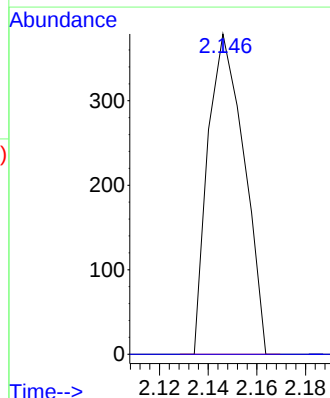
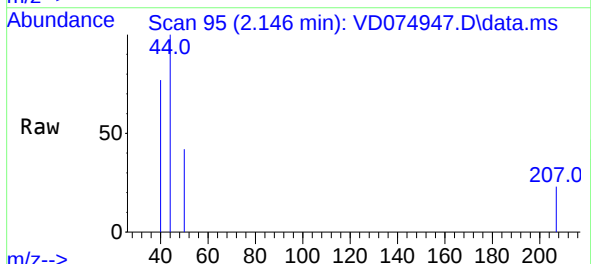
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

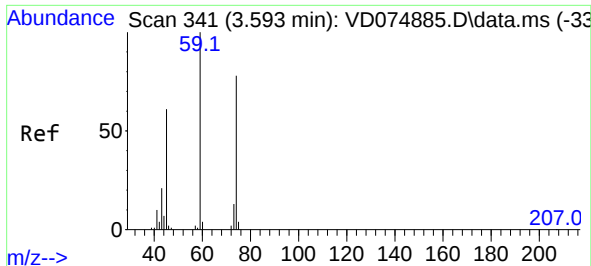
Tgt Ion:168 Resp: 126283
Ion Ratio Lower Upper
168 100
99 48.6 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion: 50 Resp: 391
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

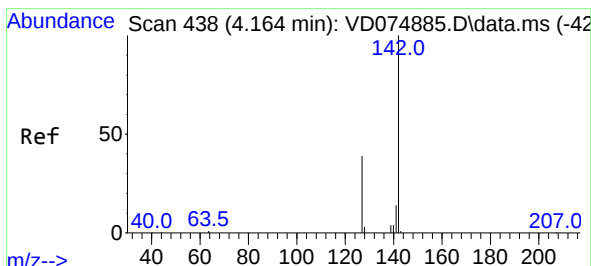
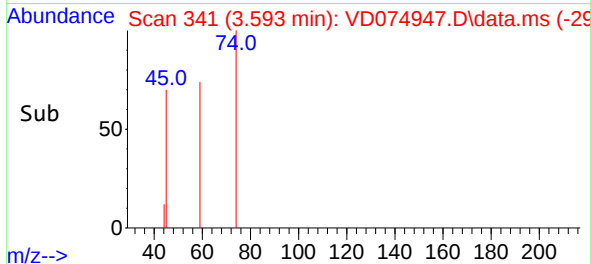
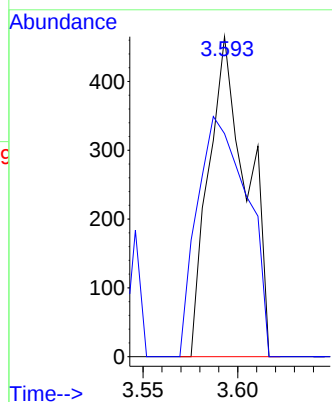
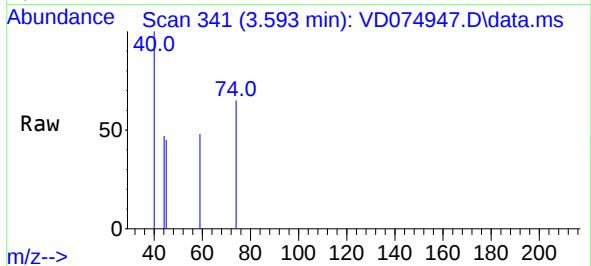




#8
Diethyl Ether
Concen: 1.125 ug/l
RT: 3.593 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

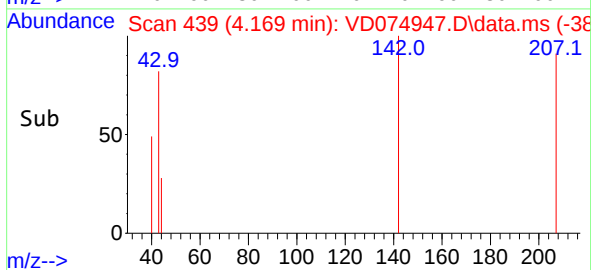
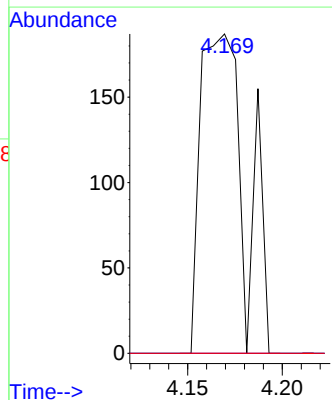
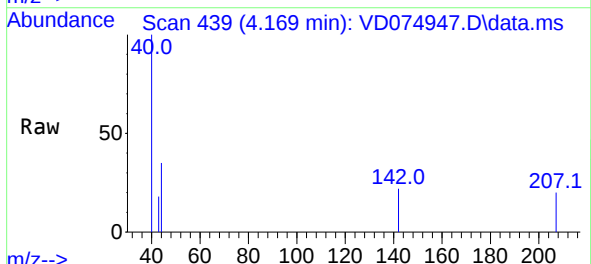
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

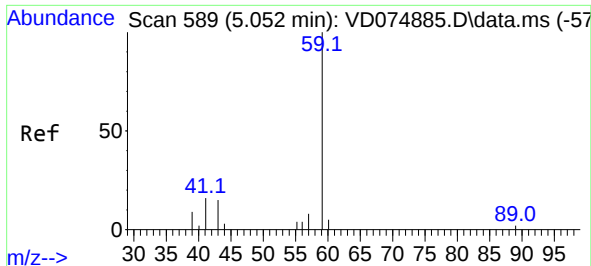
Tgt Ion: 74 Resp: 651
Ion Ratio Lower Upper
74 100
45 98.6 37.9 113.6



#10
Methyl Iodide
Concen: 4.950 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.005 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion: 142 Resp: 307
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

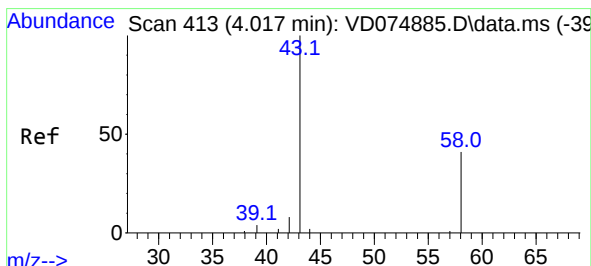
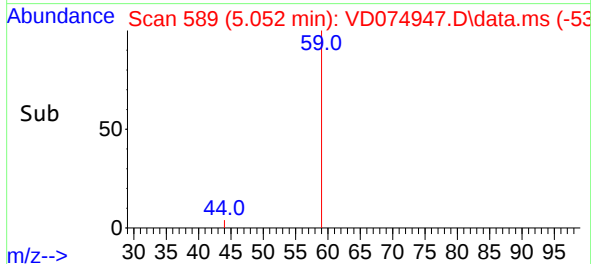
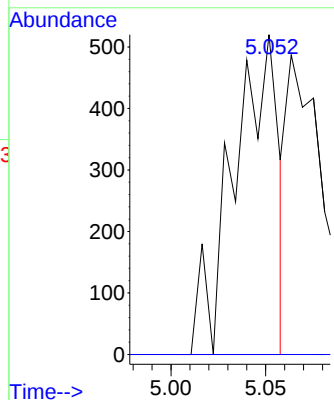
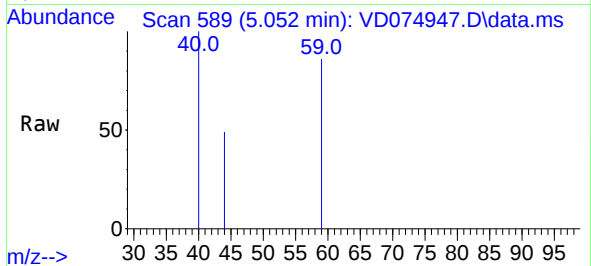




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.052 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

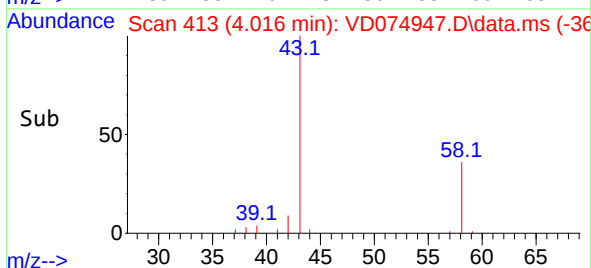
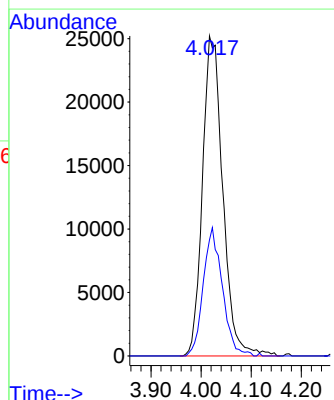
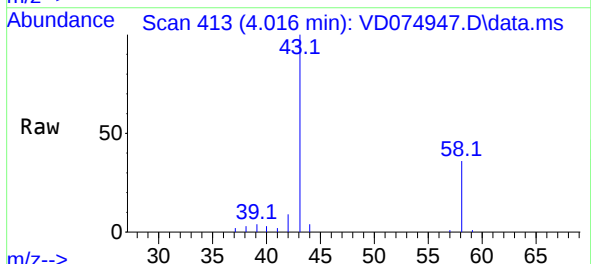
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

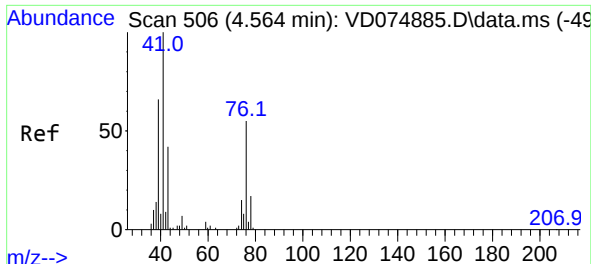
Tgt Ion: 59 Resp: 861
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 340.435 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.001 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion: 43 Resp: 70971
Ion Ratio Lower Upper
43 100
58 36.3 30.2 45.2

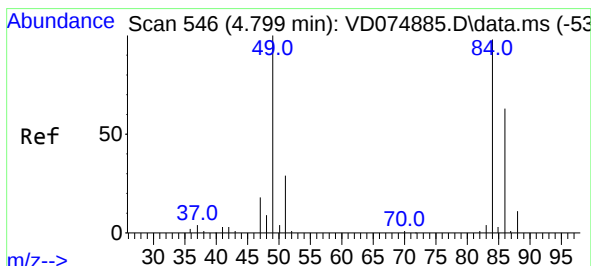
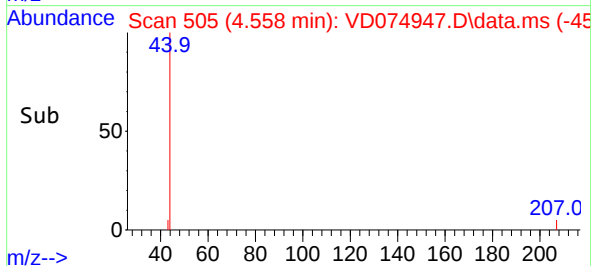
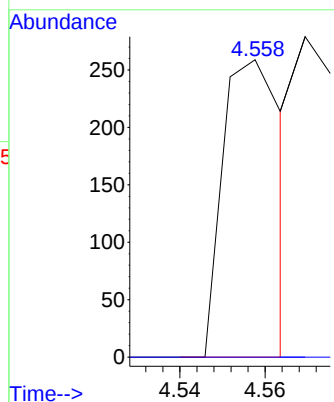
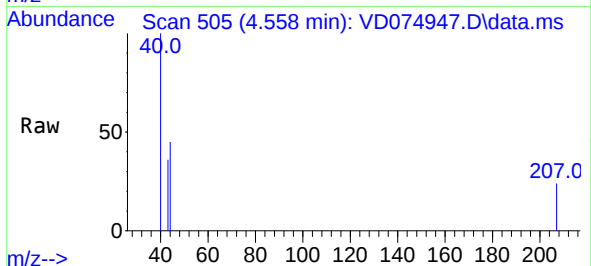




#18
Methyl Acetate
Concen: Below Cal
RT: 4.558 min Scan# 50
Delta R.T. -0.006 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

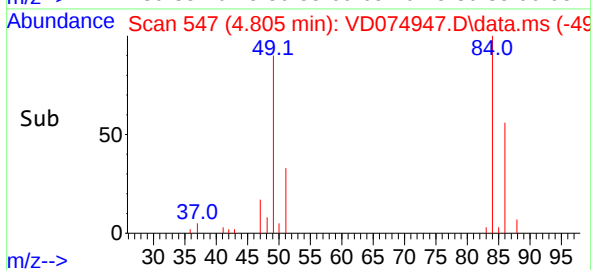
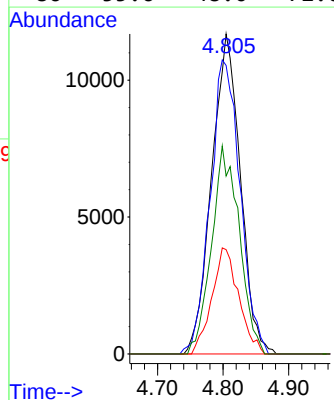
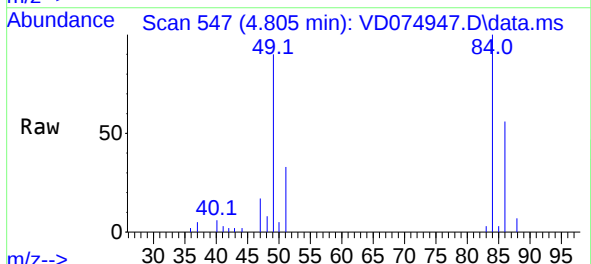
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

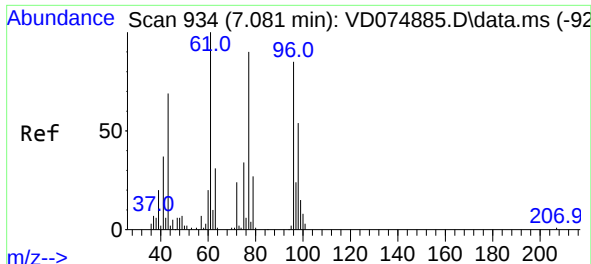
Tgt Ion: 43 Resp: 253
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



#20
Methylene Chloride
Concen: 9.264 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion: 84 Resp: 35510
Ion Ratio Lower Upper
84 100
49 90.1 68.0 102.0
51 32.6 23.2 34.8
86 55.6 48.0 72.0





#25

2-Butanone

Concen: 22.072 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD074947.D

Acq: 16 Nov 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

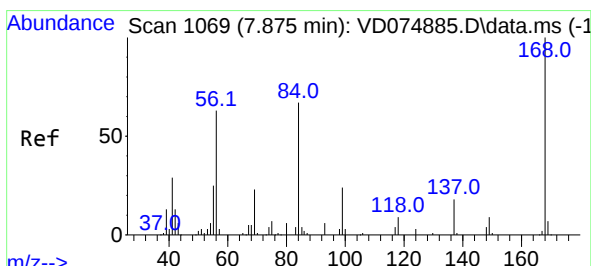
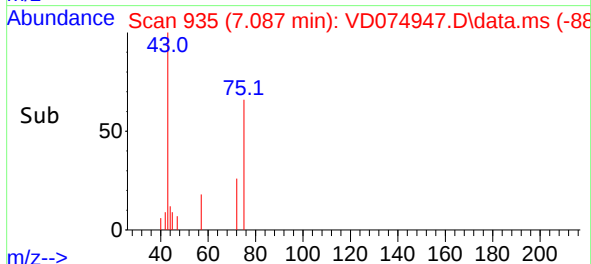
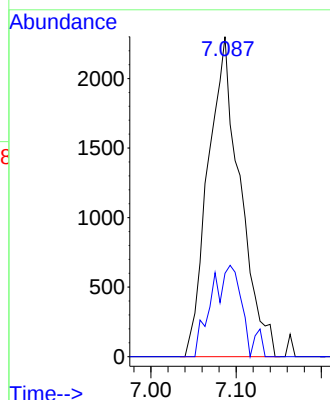
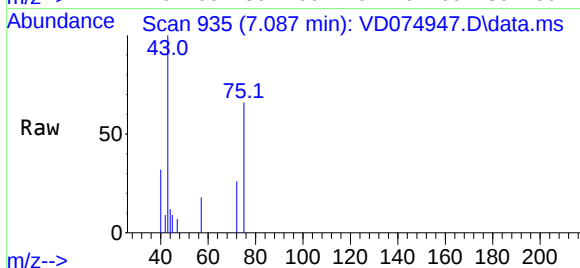
SOIL-PILE-22

Tgt Ion: 43 Resp: 6017

Ion Ratio Lower Upper

43 100

72 26.1 25.8 38.8



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD074947.D

Acq: 16 Nov 2022 14:31

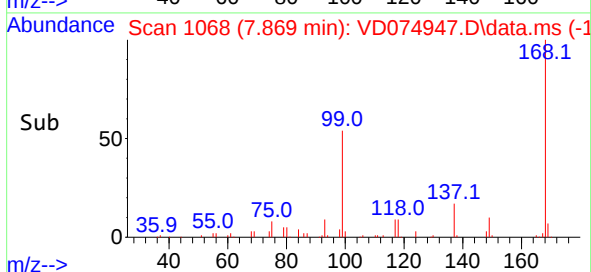
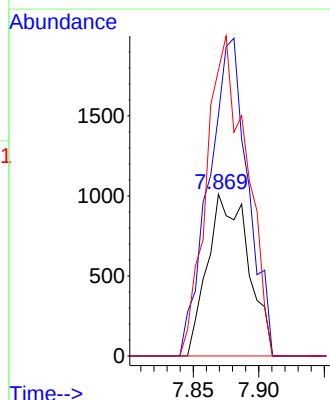
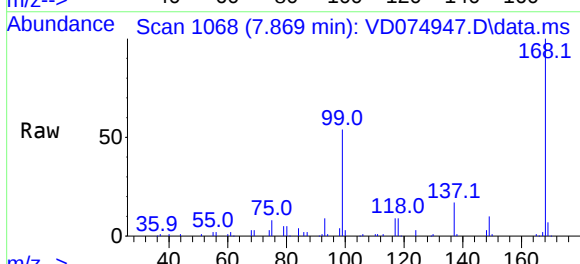
Tgt Ion: 56 Resp: 2185

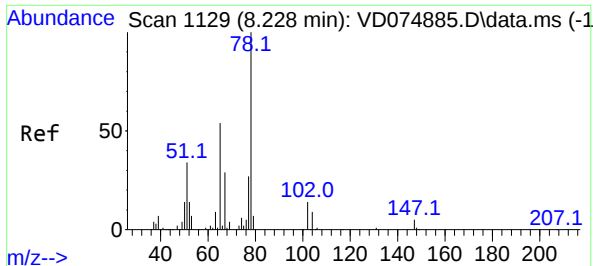
Ion Ratio Lower Upper

56 100

69 148.9 29.2 43.8#

84 176.7 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 80.840 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074947.D

Acq: 16 Nov 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

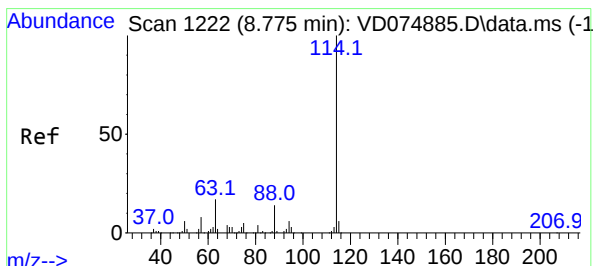
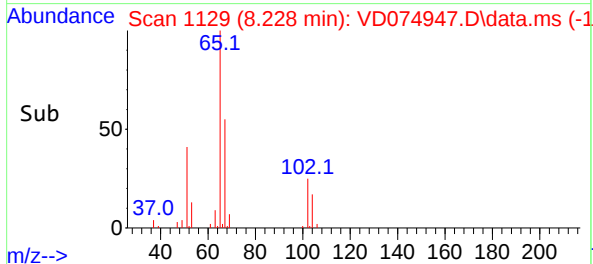
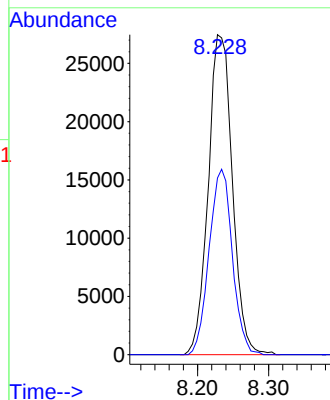
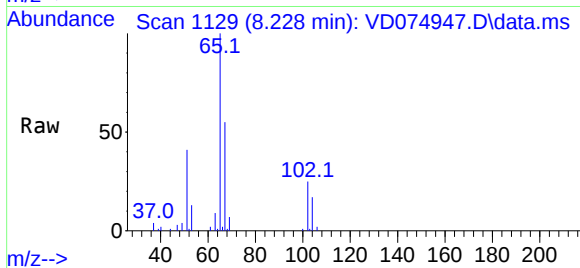
SOIL-PILE-22

Tgt Ion: 65 Resp: 64767

Ion Ratio Lower Upper

65 100

67 55.8 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074947.D

Acq: 16 Nov 2022 14:31

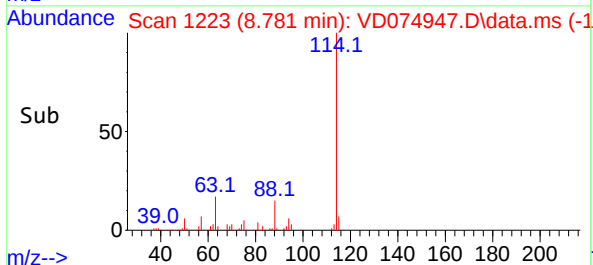
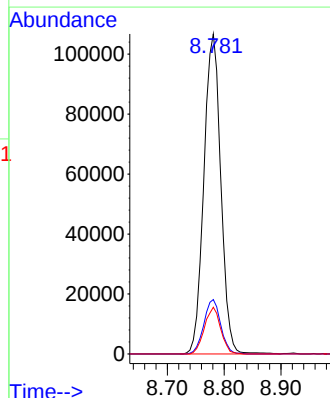
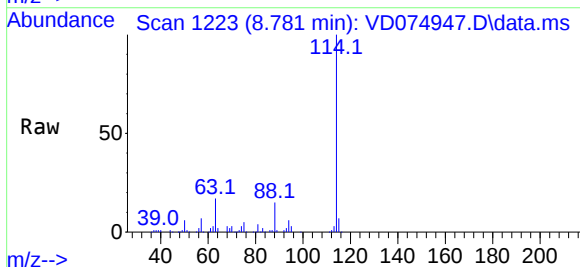
Tgt Ion: 114 Resp: 220507

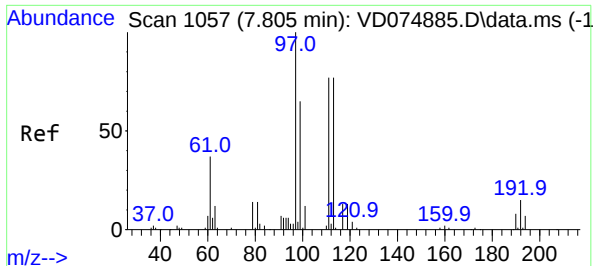
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.2

88 14.6 0.0 28.2

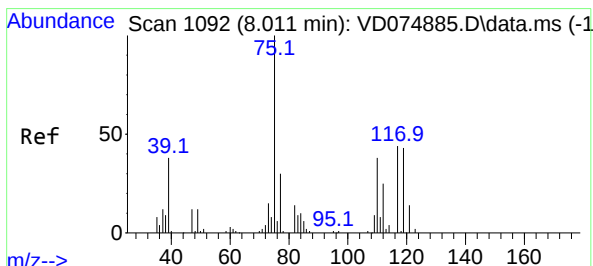
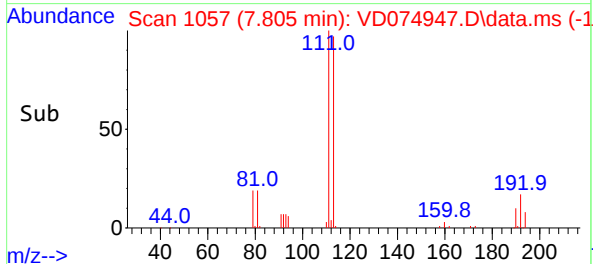
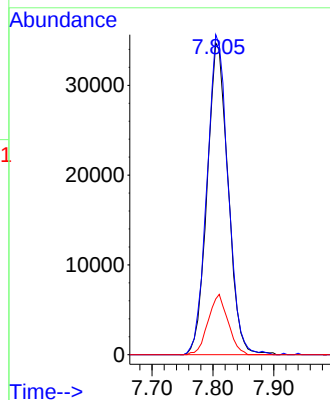
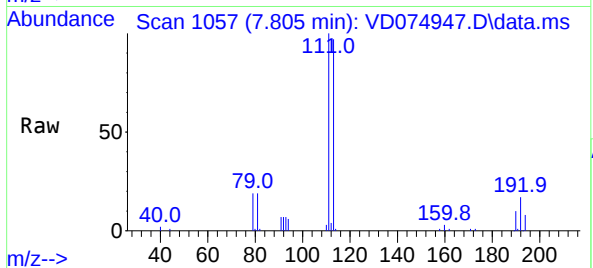




#35
Dibromofluoromethane
Concen: 61.050 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

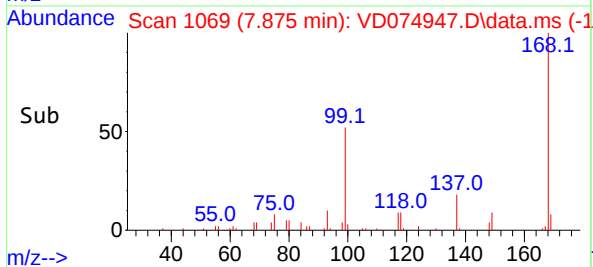
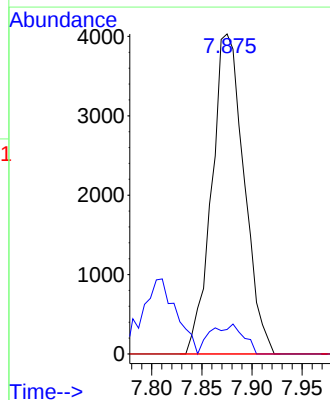
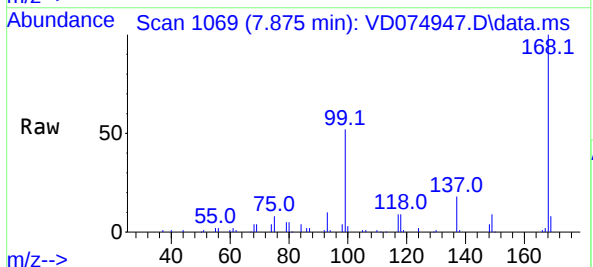
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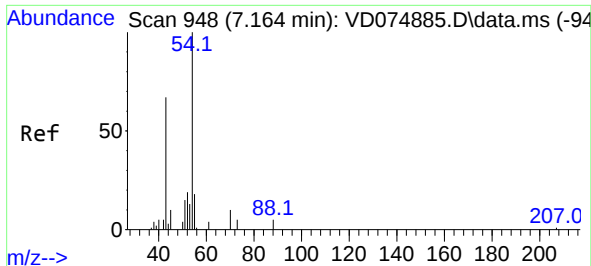
Tgt Ion:	113	Resp:	82984
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.3	123.5
192	18.4	16.4	24.6



#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion:	75	Resp:	9017
Ion	Ratio	Lower	Upper
75	100		
110	9.5	19.7	59.0#
77	0.0	25.4	38.2#





#37

Ethyl Acetate

Concen: 8.976 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.077 min

Lab File: VD074947.D

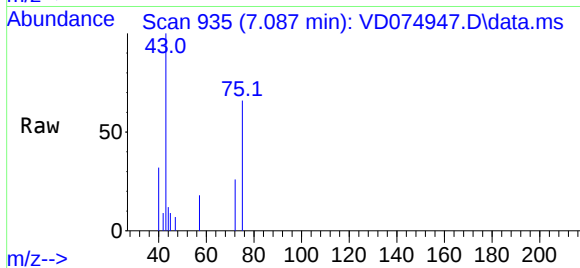
Acq: 16 Nov 2022 14:31

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE-22



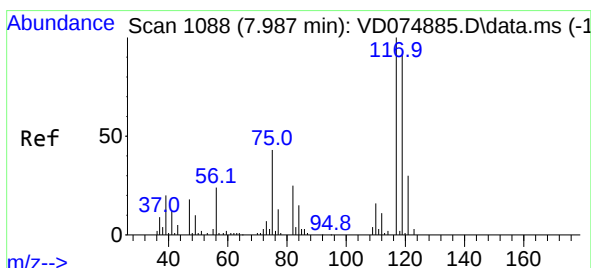
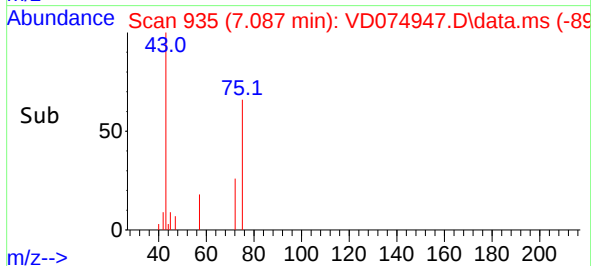
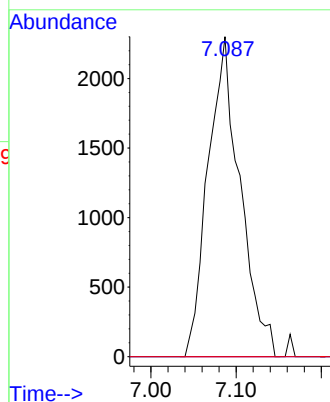
Tgt Ion: 43 Resp: 6017

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.472 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074947.D

Acq: 16 Nov 2022 14:31

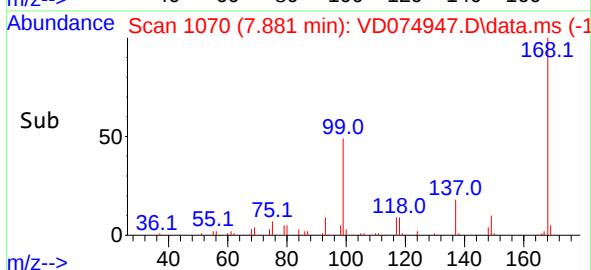
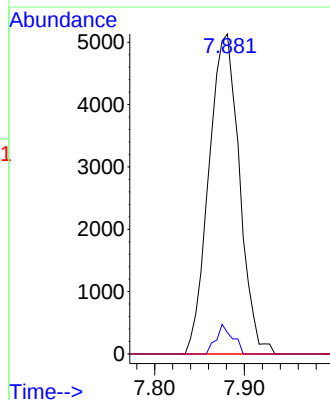
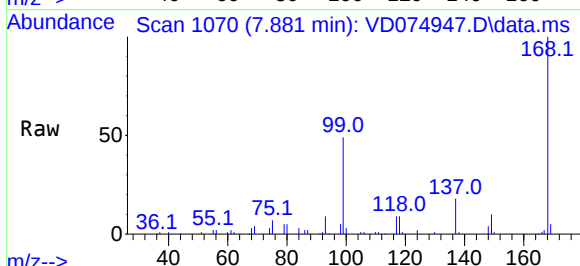
Tgt Ion: 117 Resp: 12170

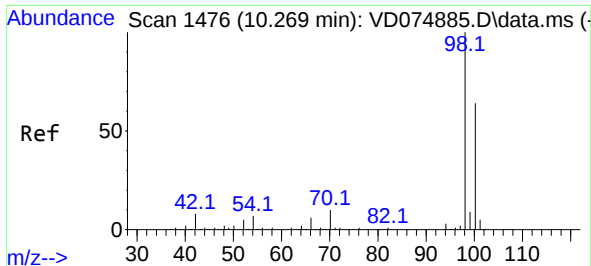
Ion Ratio Lower Upper

117 100

119 6.7 73.1 109.7#

121 0.0 25.0 37.6#

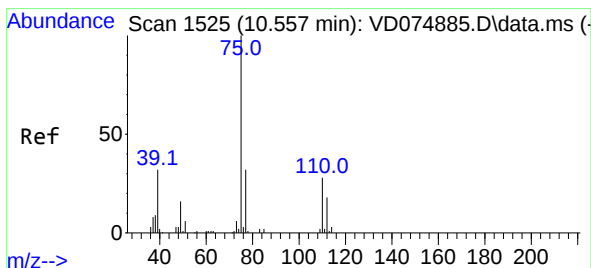
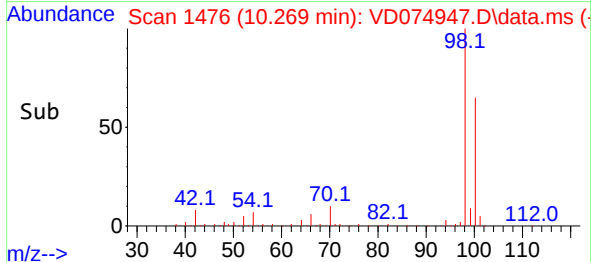
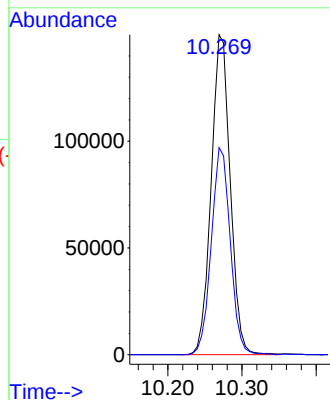
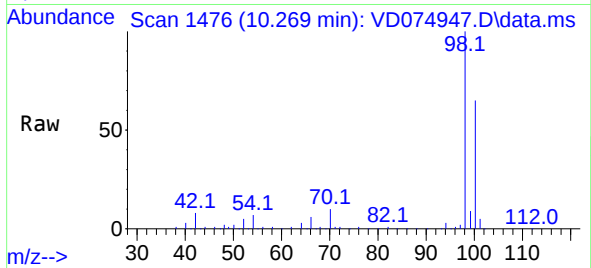




#50
Toluene-d8
Concen: 59.686 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

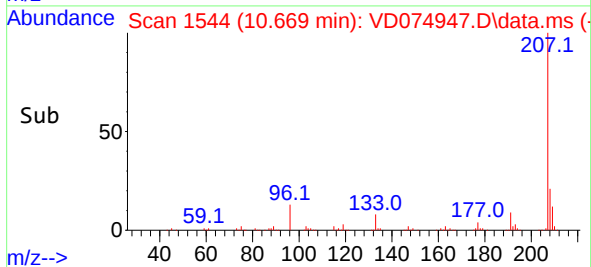
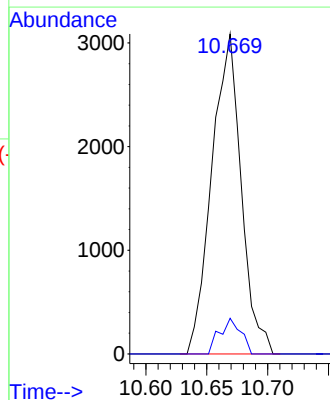
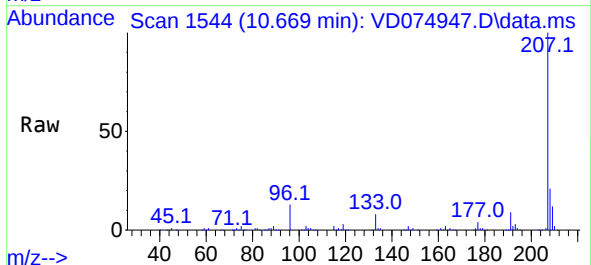
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

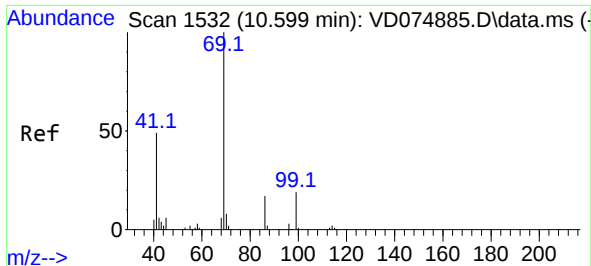
Tgt Ion: 98 Resp: 267244
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#53
t-1,3-Dichloropropene
Concen: 3.274 ug/l
RT: 10.669 min Scan# 1544
Delta R.T. 0.112 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion: 75 Resp: 5188
Ion Ratio Lower Upper
75 100
77 11.1 25.6 38.4#

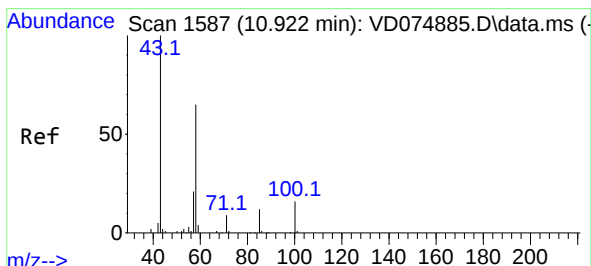
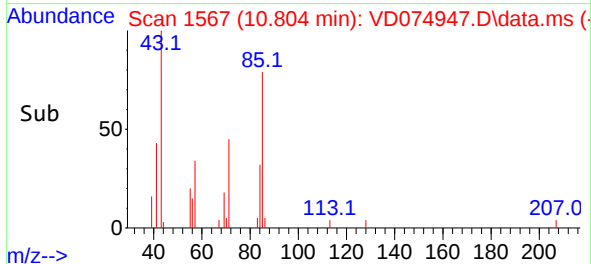
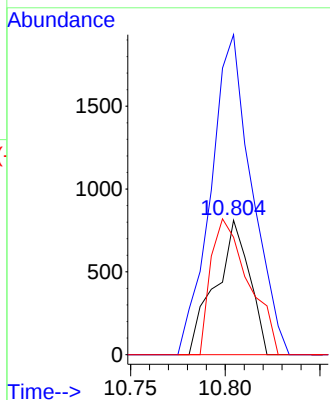
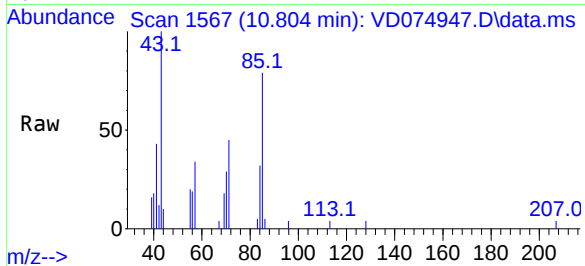




#56
Ethyl methacrylate
Concen: 3.551 ug/l
RT: 10.804 min Scan# 11
Delta R.T. 0.205 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

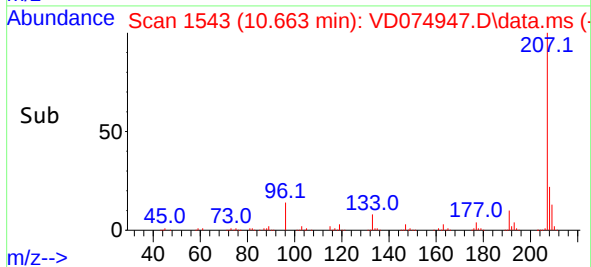
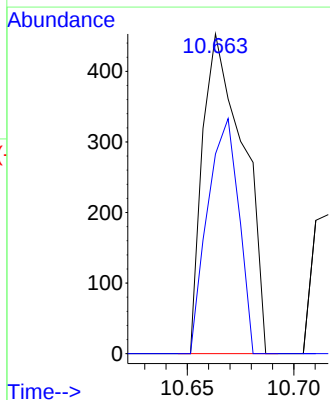
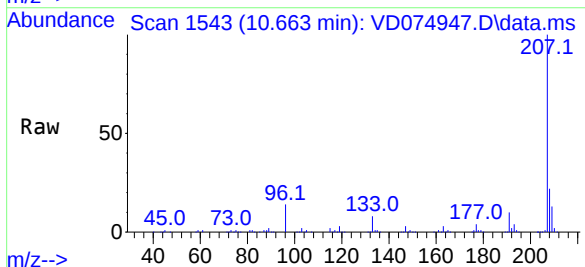
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

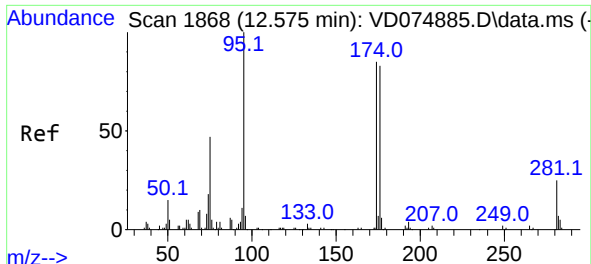
Tgt Ion: 69 Resp: 1011
Ion Ratio Lower Upper
69 100
41 288.3 38.6 58.0#
39 113.0 19.9 29.9#



#59
2-Hexanone
Concen: 1.534 ug/l
RT: 10.663 min Scan# 1543
Delta R.T. -0.259 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
58 56.3 32.0 96.2

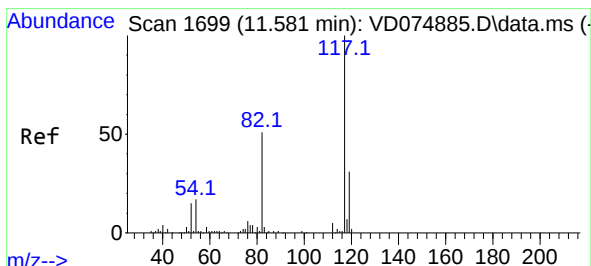
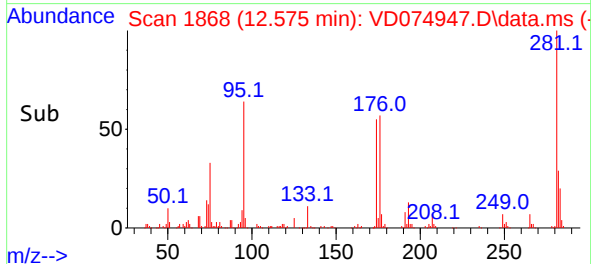
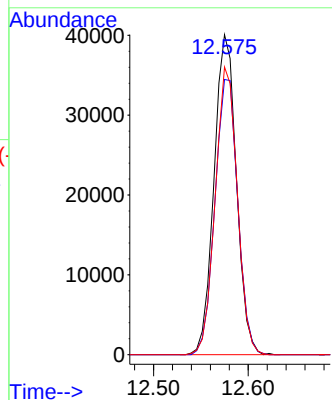
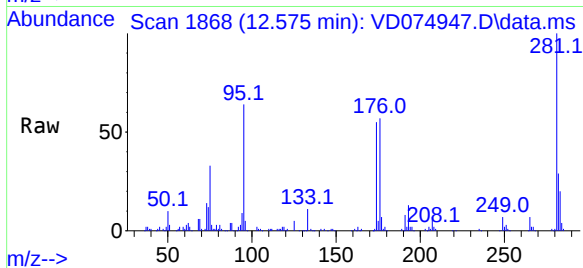




#62
4-Bromofluorobenzene
Concen: 47.831 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

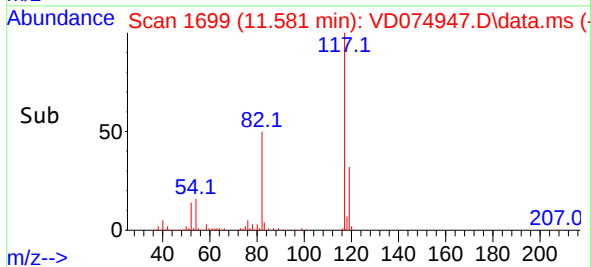
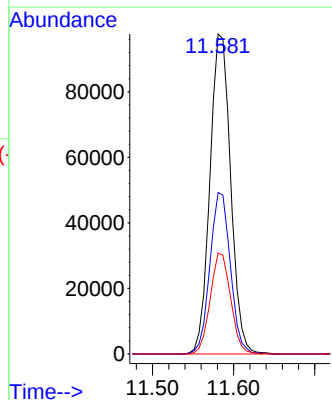
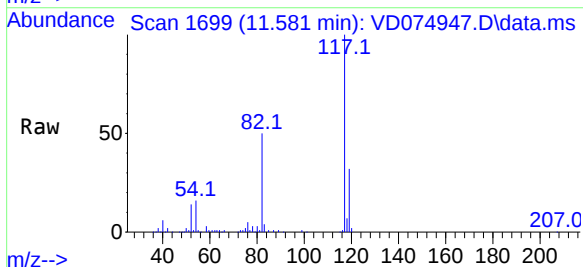
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

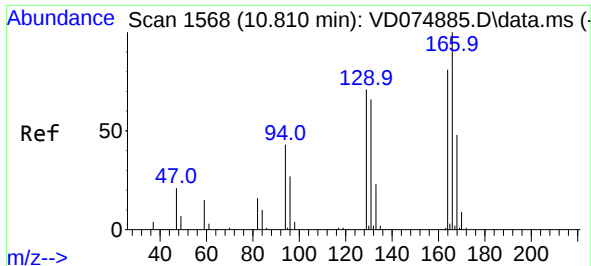
Tgt Ion: 95 Resp: 65762
Ion Ratio Lower Upper
95 100
174 88.0 0.0 197.0
176 88.8 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

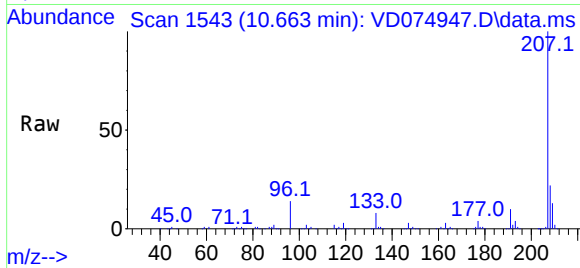
Tgt Ion: 117 Resp: 173158
Ion Ratio Lower Upper
117 100
82 50.5 41.6 62.4
119 31.5 25.2 37.8



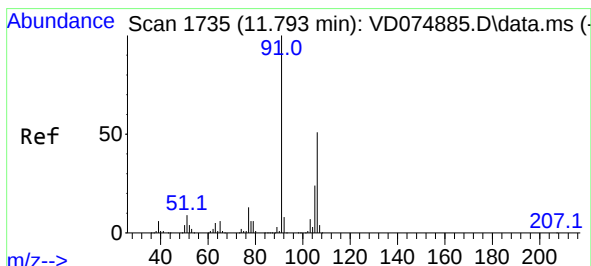
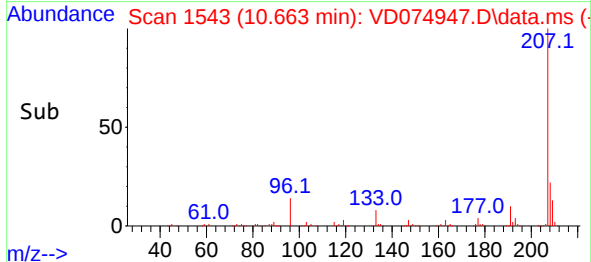
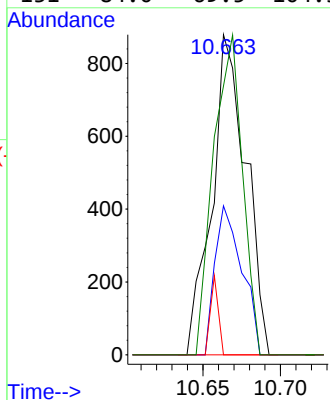


#64
Tetrachloroethene
Concen: 1.154 ug/l
RT: 10.663 min Scan# 11
Delta R.T. -0.147 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

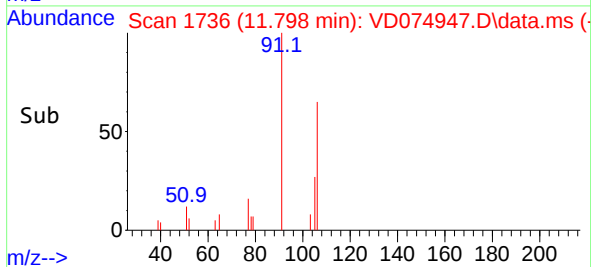
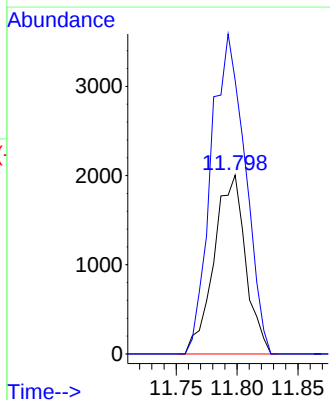
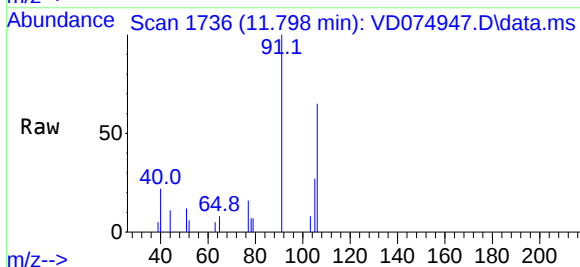


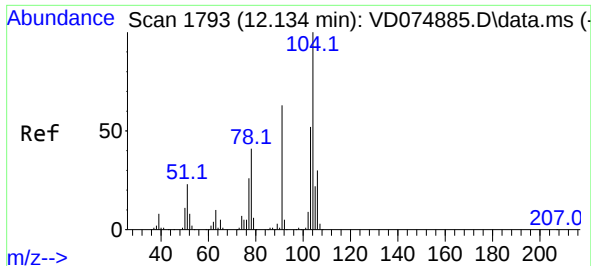
Tgt Ion:164 Resp: 1340
Ion Ratio Lower Upper
164 100
166 46.5 107.8 161.8#
129 0.0 77.4 116.2#
131 84.0 69.5 104.3



#68
m/p-Xylenes
Concen: 1.535 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. 0.005 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion:106 Resp: 3611
Ion Ratio Lower Upper
106 100
91 193.7 156.2 234.4

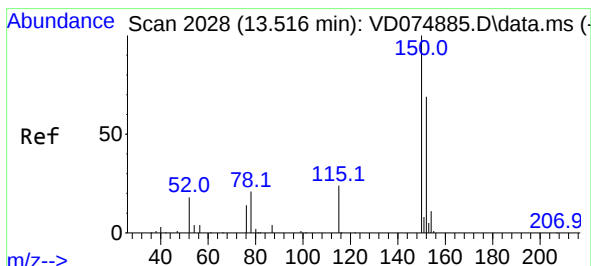
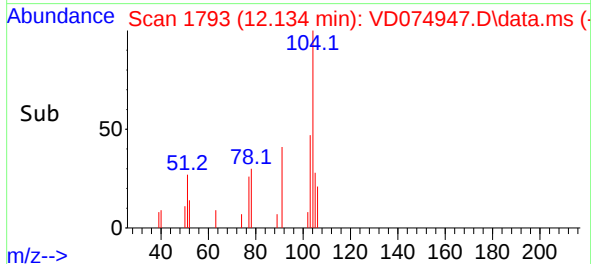
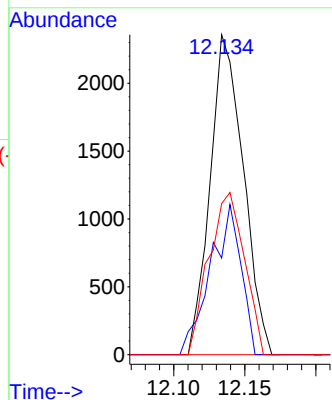
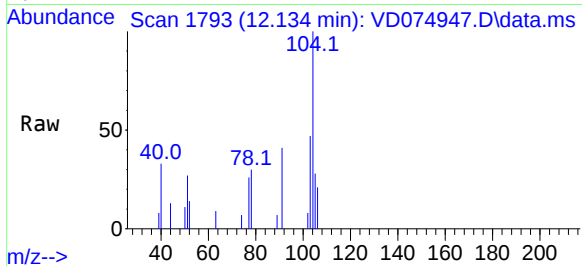




#70
Styrene
Concen: 1.035 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

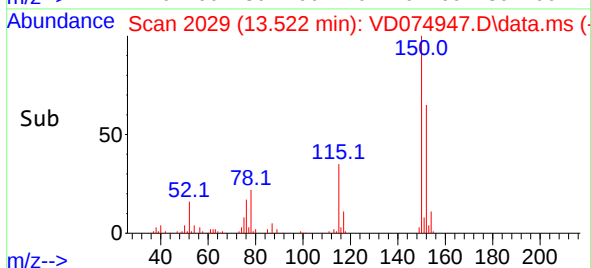
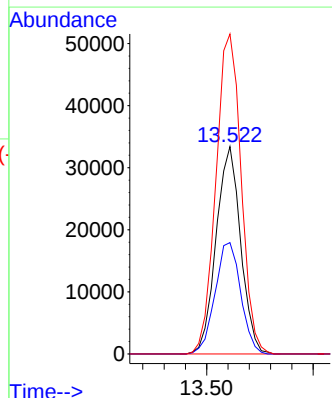
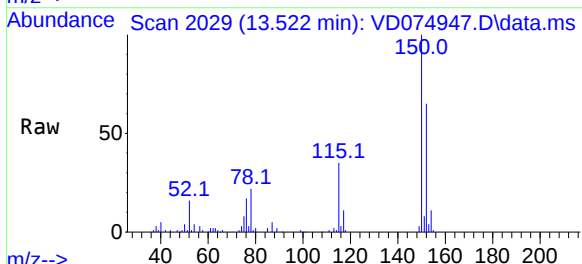
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

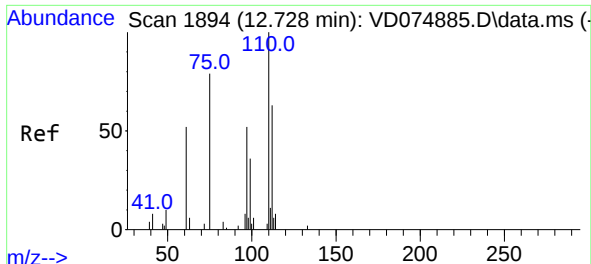
Tgt Ion:	104	Resp:	3839
Ion	Ratio	Lower	Upper
104	100		
78	43.1	35.7	53.5
103	54.2	43.7	65.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion:	152	Resp:	53378
Ion	Ratio	Lower	Upper
152	100		
115	56.1	26.8	80.4
150	158.4	0.0	348.2

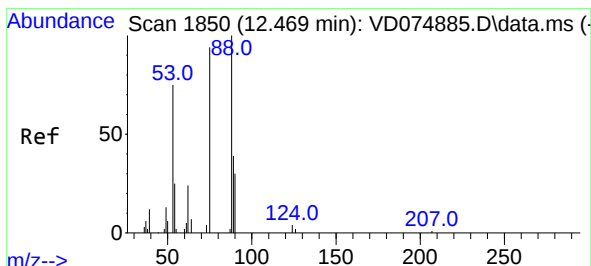
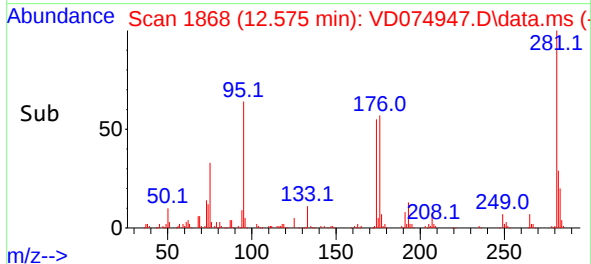
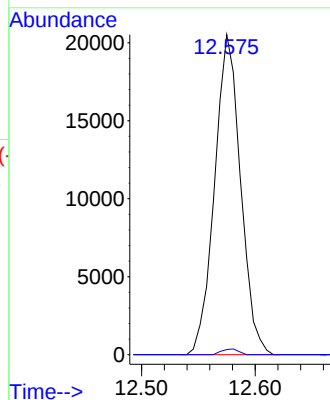
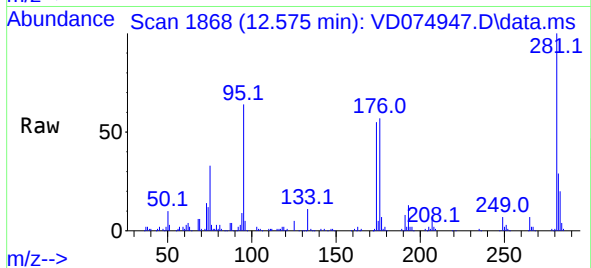




#76
1,2,3-Trichloropropane
Concen: 73.060 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-22

Tgt Ion: 75 Resp: 32618
Ion Ratio Lower Upper
75 100
77 1.2 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 179.730 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074947.D
Acq: 16 Nov 2022 14:31

Tgt Ion: 75 Resp: 32618
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 1.9 38.2 57.4#

