

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111022\
 Data File : VD074864.D
 Acq On : 10 Nov 2022 13:34
 Operator : VA/SY
 Sample : N5451-01RE
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LFR-SOIL-1103RE

Quant Time: Nov 10 16:40:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

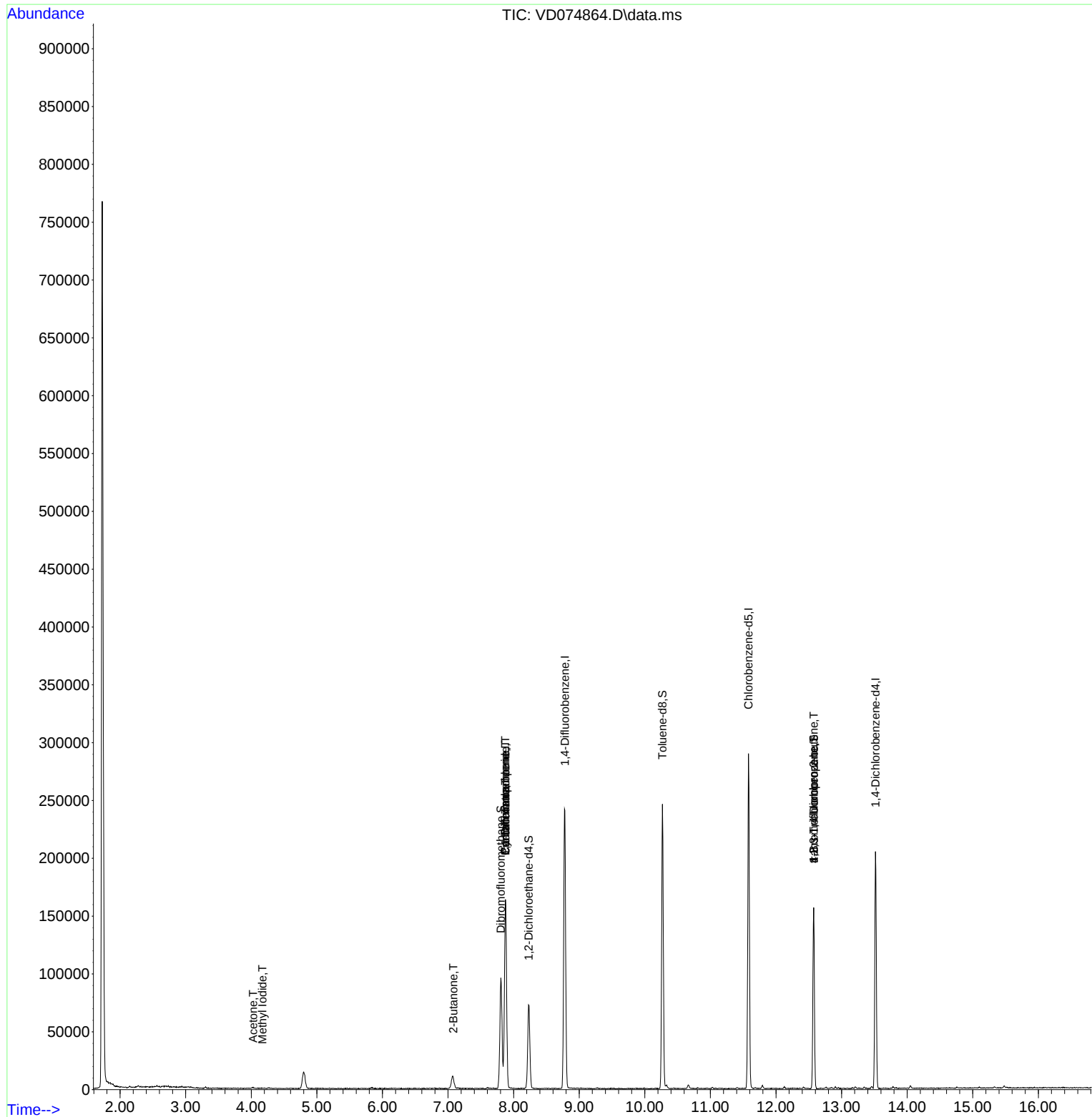
Internal Standards						
1) Pentafluorobenzene	7.875	168	134519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	234368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	176791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	59471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	57099	53.593	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.180%	
35) Dibromofluoromethane	7.805	113	70005	50.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.980%	
50) Toluene-d8	10.269	98	176444	34.890	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 69.780%	
62) 4-Bromofluorobenzene	12.575	95	49007	33.563	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.120%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	356	5.728	ug/l #	43
11) Tert butyl alcohol	5.064	59	66	Below Cal	#	84
16) Acetone	4.028	43	1212	5.451	ug/l #	87
20) Methylene Chloride	4.799	84	12475	Below Cal		93
25) 2-Butanone	7.081	43	644	2.107	ug/l #	42
31) Cyclohexane	7.875	56	2377	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	9370	4.453	ug/l #	47
38) Carbon Tetrachloride	7.875	117	12201	6.120	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	24110	52.297	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	24110	124.140	ug/l #	17

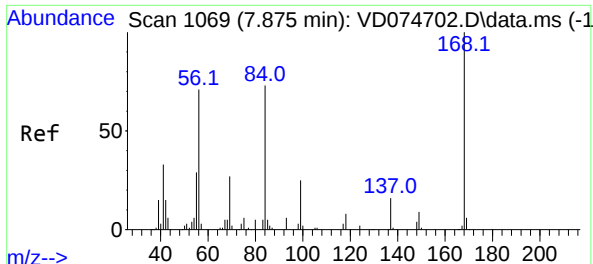
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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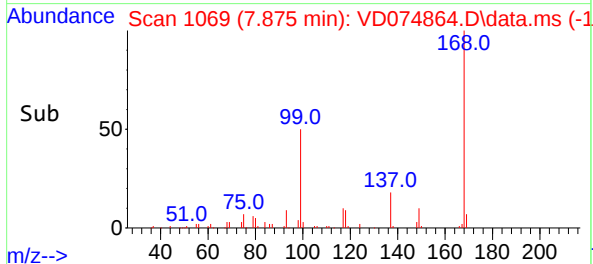
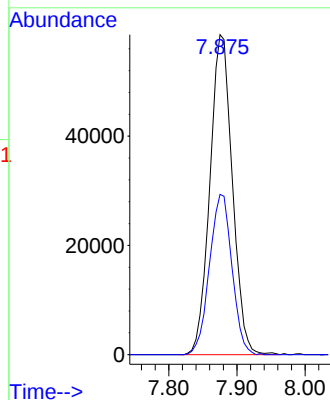
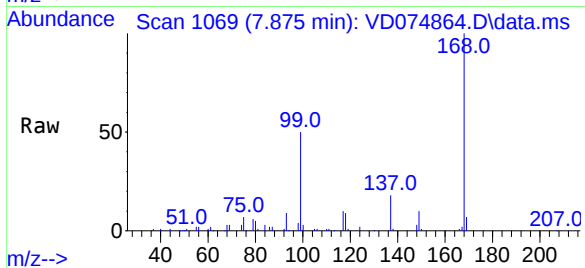




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

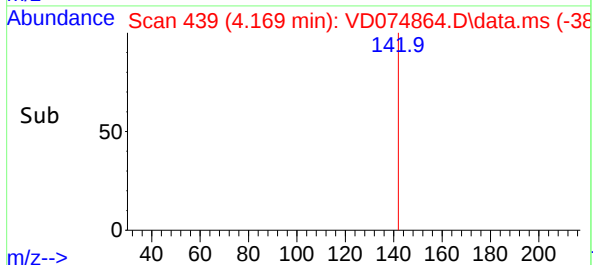
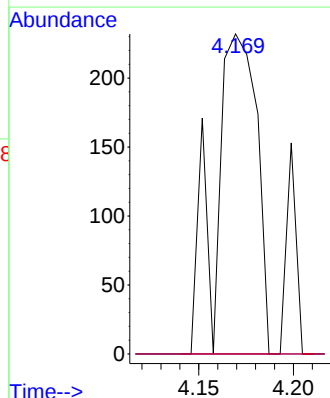
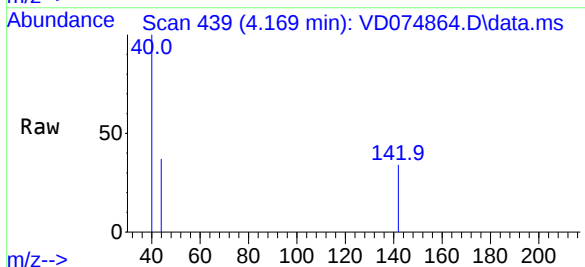
Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103RE

Tgt Ion:168 Resp: 134519
Ion Ratio Lower Upper
168 100
99 50.1 40.9 61.3



#10
Methyl Iodide
Concen: 5.728 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

Tgt Ion:142 Resp: 356
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: 5.064 min Scan# 591

Delta R.T. 0.018 min

Lab File: VD074864.D

Acq: 10 Nov 2022 13:34

Instrument :

MSVOA_D

ClientSampleId :

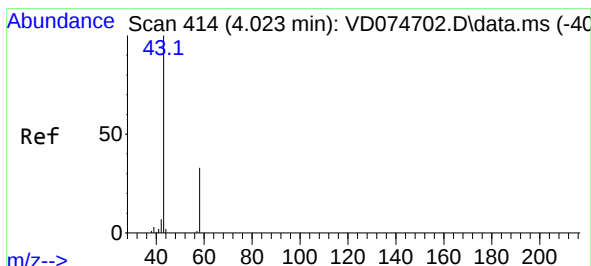
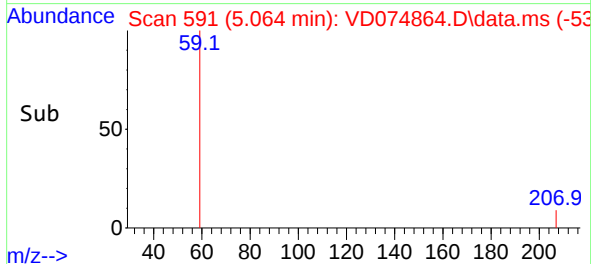
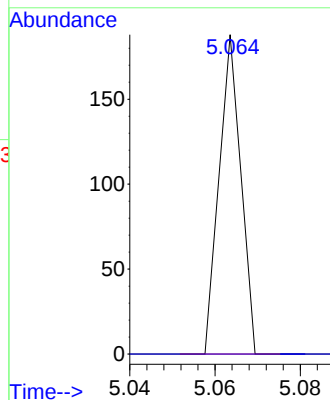
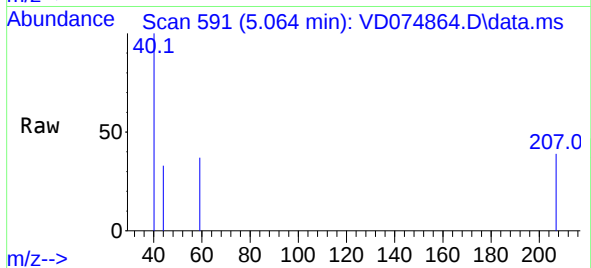
LFR-SOIL-1103RE

Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 5.451 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.005 min

Lab File: VD074864.D

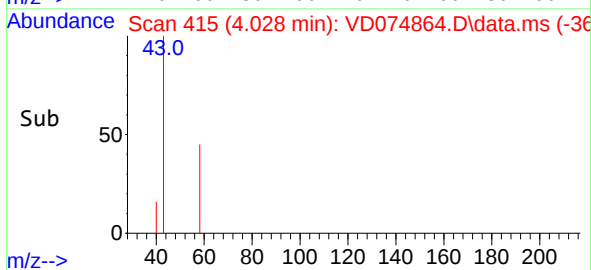
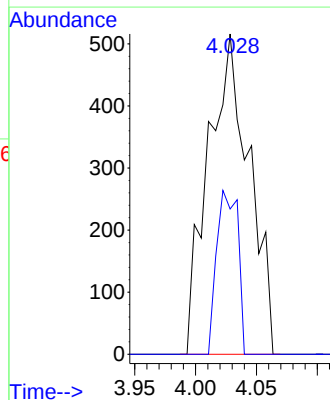
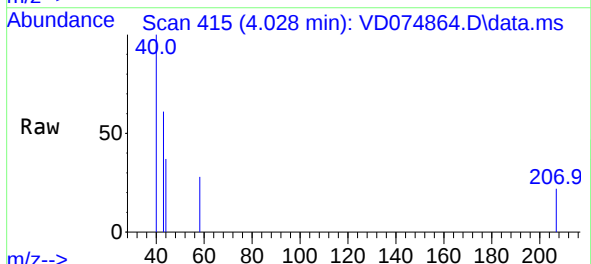
Acq: 10 Nov 2022 13:34

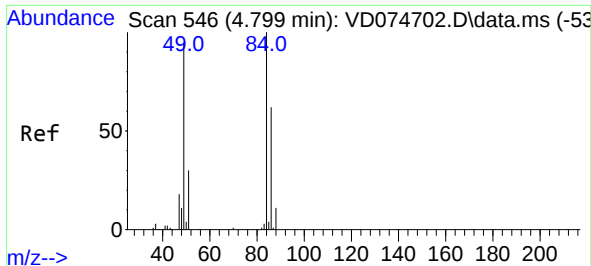
Tgt Ion: 43 Resp: 1212

Ion Ratio Lower Upper

43 100

58 45.3 30.2 45.2#

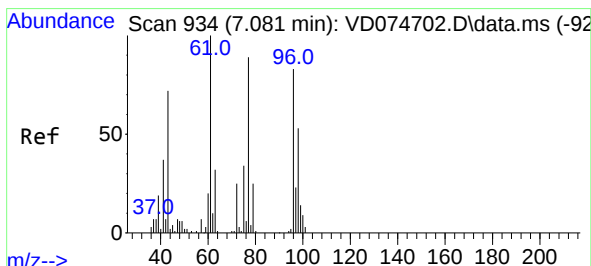
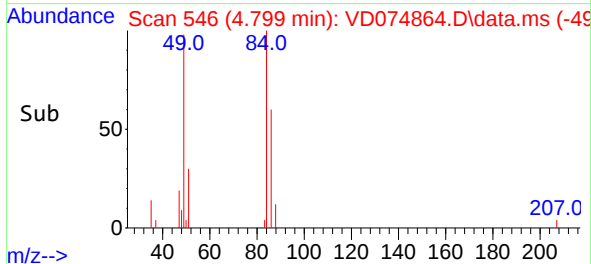
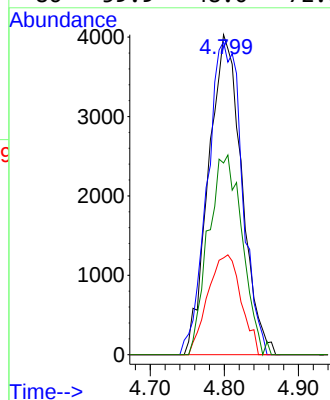
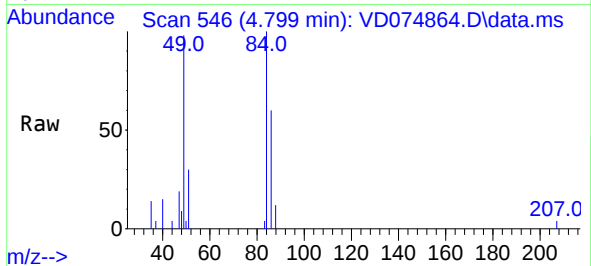




#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

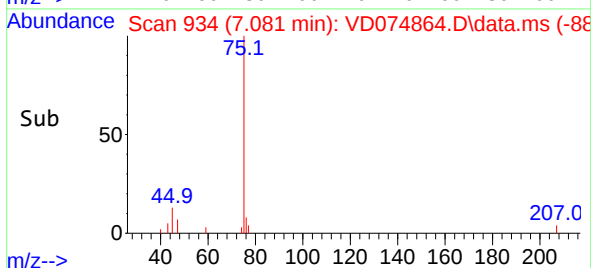
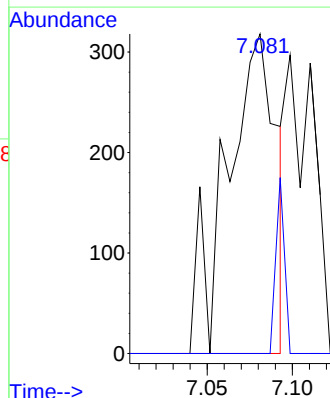
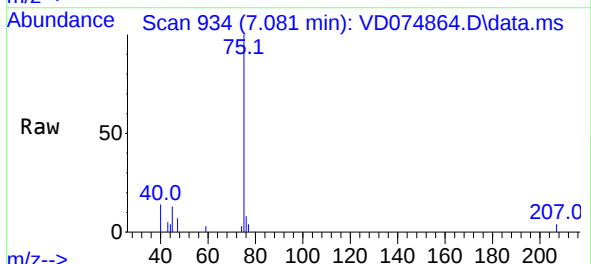
Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103RE

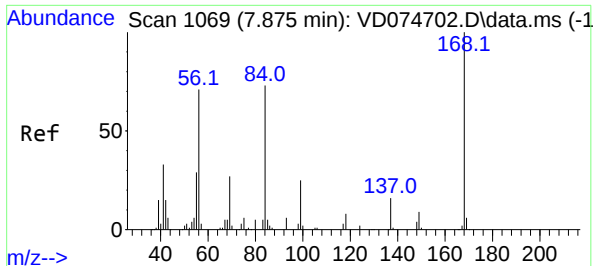
Tgt Ion:	84	Resp:	12475
Ion	Ratio	Lower	Upper
84	100		
49	97.8	68.0	102.0
51	30.2	23.2	34.8
86	59.9	48.0	72.0



#25
2-Butanone
Concen: 2.107 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

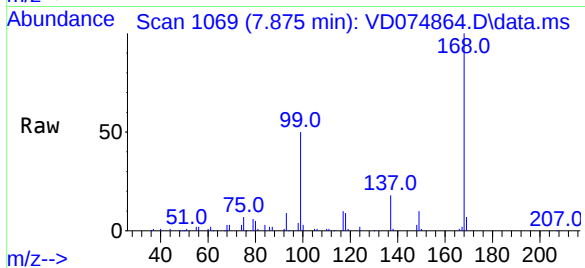
Tgt Ion:	43	Resp:	644
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8



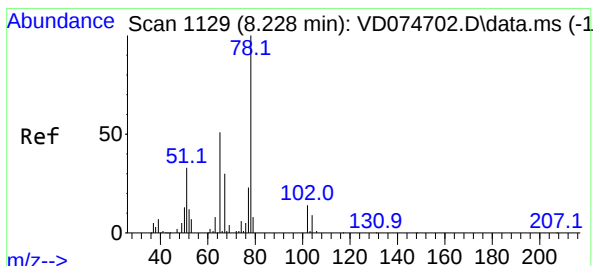
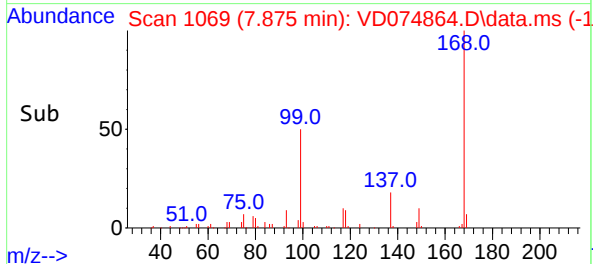
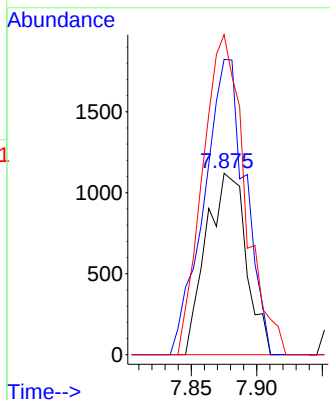


#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103RE

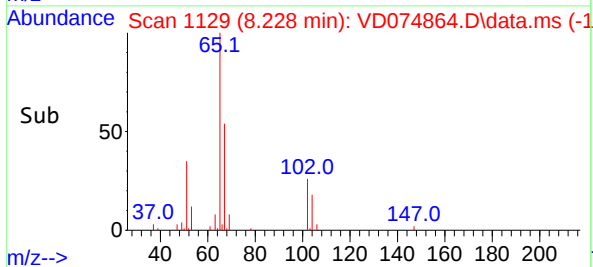
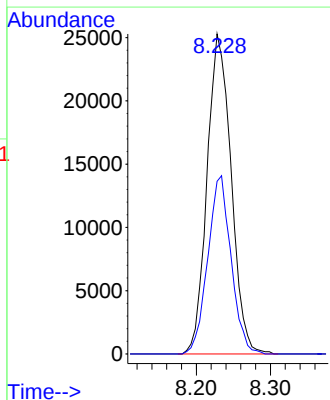
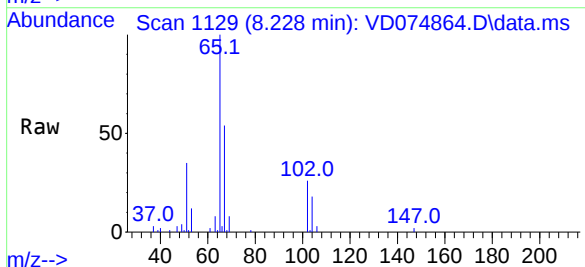


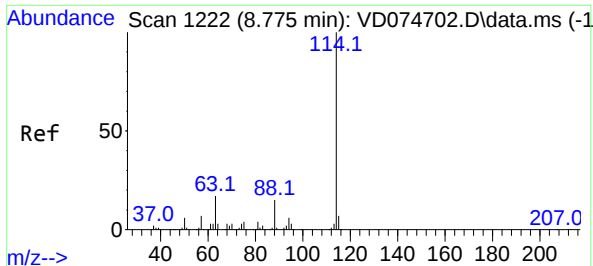
Tgt Ion: 56 Resp: 2377
Ion Ratio Lower Upper
56 100
69 162.7 29.2 43.8#
84 176.3 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 53.593 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

Tgt Ion: 65 Resp: 57099
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074864.D

Acq: 10 Nov 2022 13:34

Instrument :

MSVOA_D

ClientSampleId :

LFR-SOIL-1103RE

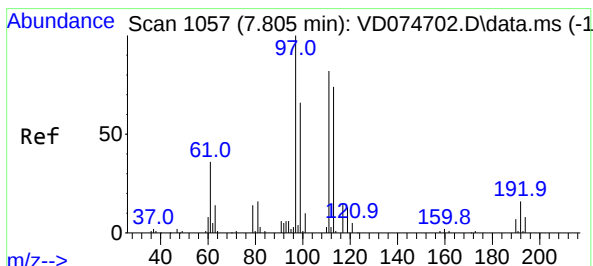
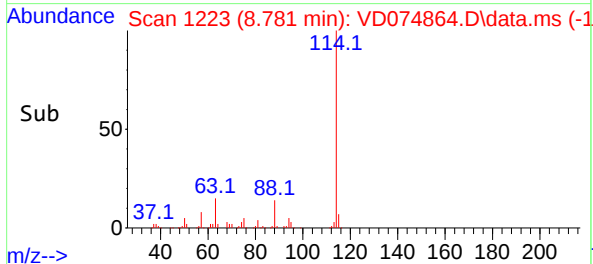
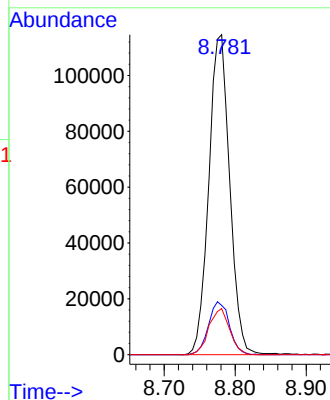
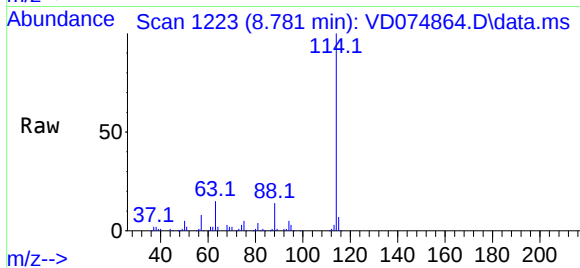
Tgt Ion:114 Resp: 234368

Ion Ratio Lower Upper

114 100

63 15.4 0.0 33.2

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.495 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074864.D

Acq: 10 Nov 2022 13:34

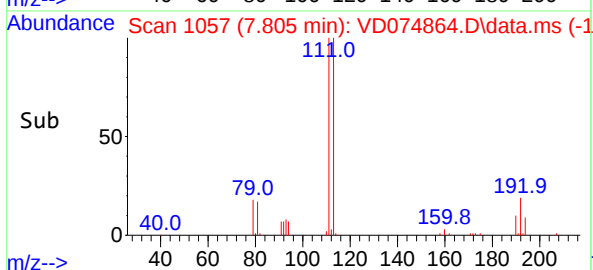
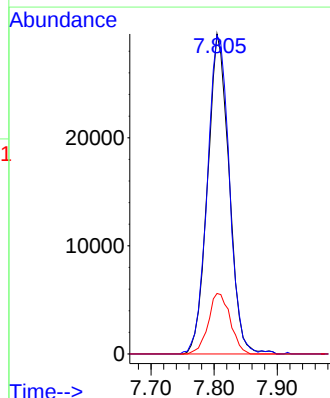
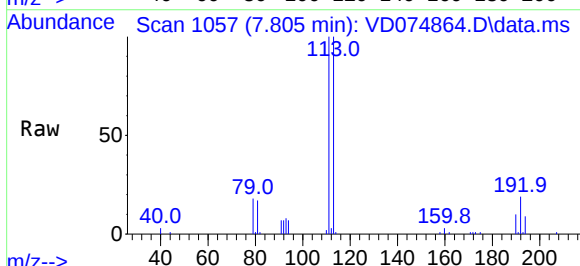
Tgt Ion:113 Resp: 70005

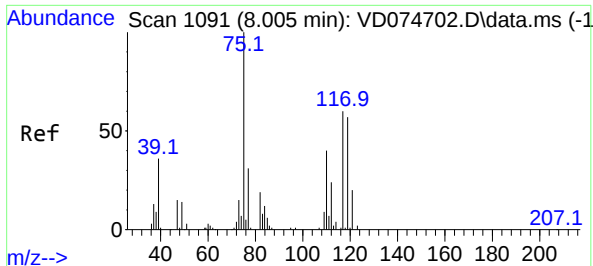
Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

192 19.3 16.4 24.6

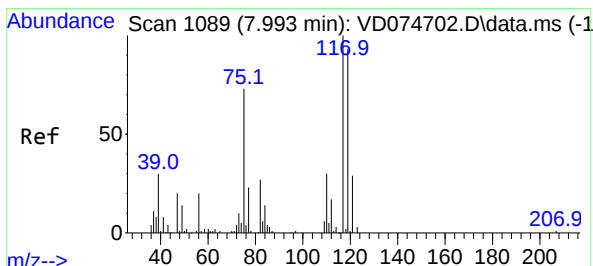
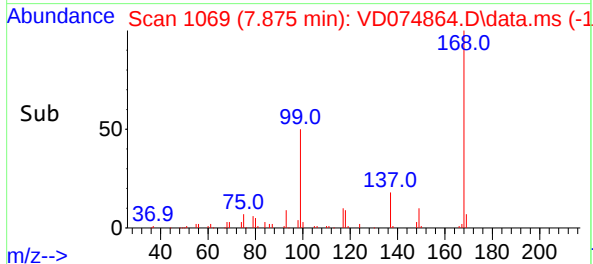
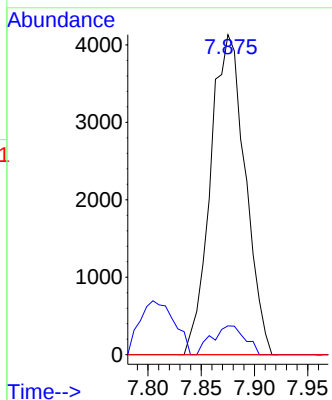
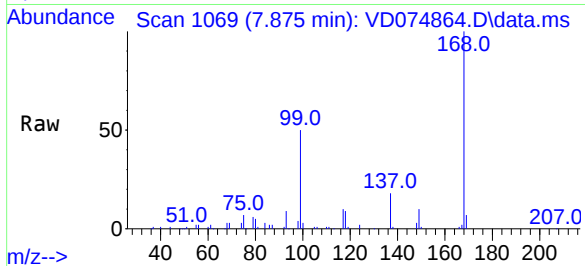




#36
1,1-Dichloropropene
Concen: 4.453 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.130 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

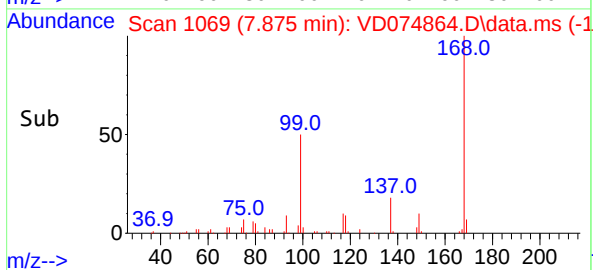
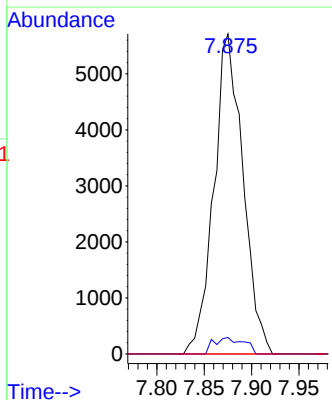
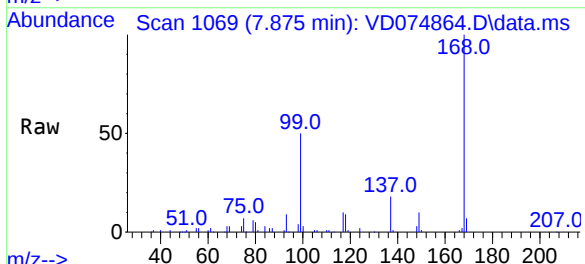
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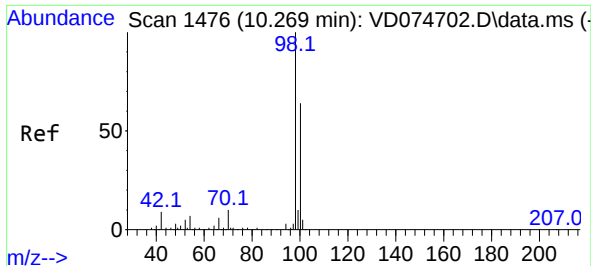
Tgt Ion:	75	Resp:	9370
Ion	Ratio	Lower	Upper
75	100		
110	8.5	19.7	59.0#
77	0.0	25.4	38.2#



#38
Carbon Tetrachloride
Concen: 6.120 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

Tgt Ion:	117	Resp:	12201
Ion	Ratio	Lower	Upper
117	100		
119	5.2	73.1	109.7#
121	0.0	25.0	37.6#

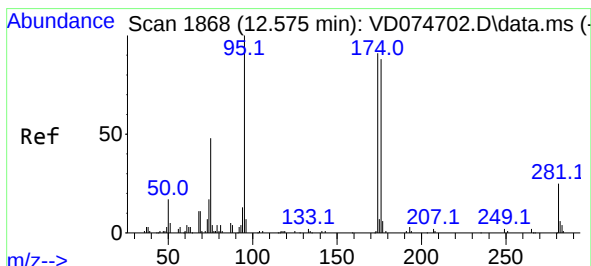
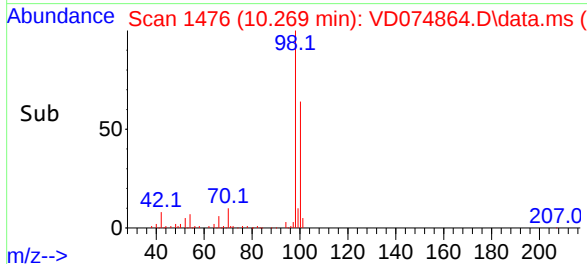
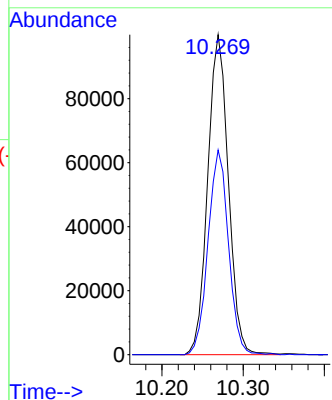
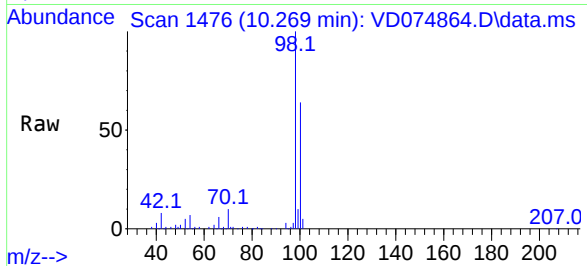




#50
Toluene-d8
Concen: 34.890 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

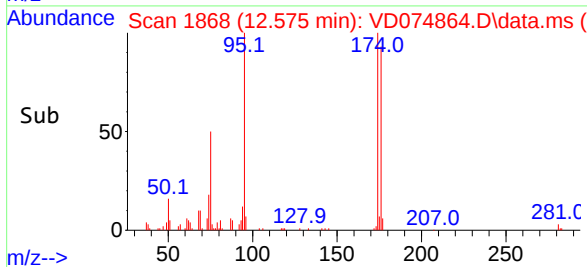
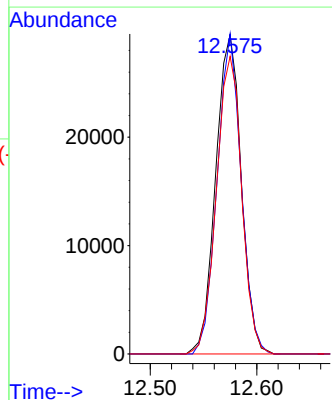
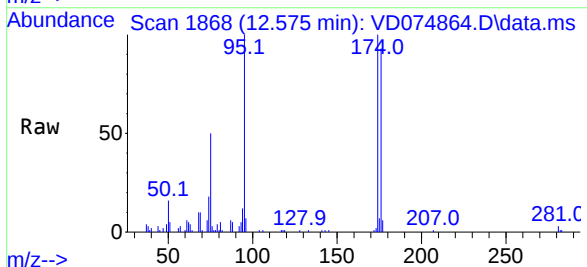
Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103RE

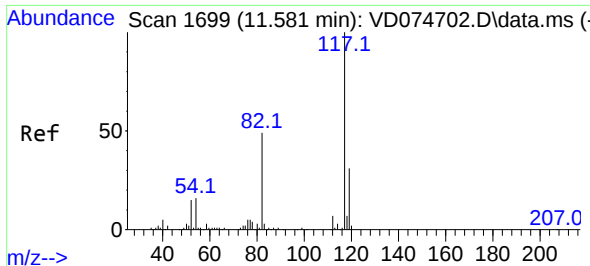
Tgt Ion: 98 Resp: 176444
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 33.563 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

Tgt Ion: 95 Resp: 49007
Ion Ratio Lower Upper
95 100
174 93.9 0.0 197.0
176 92.3 0.0 182.6

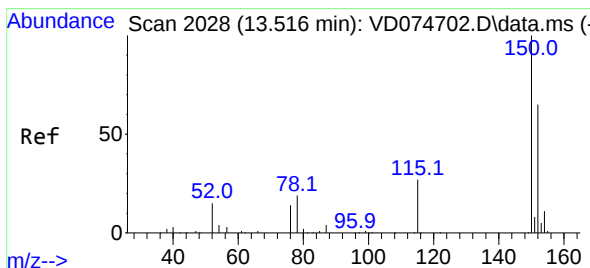
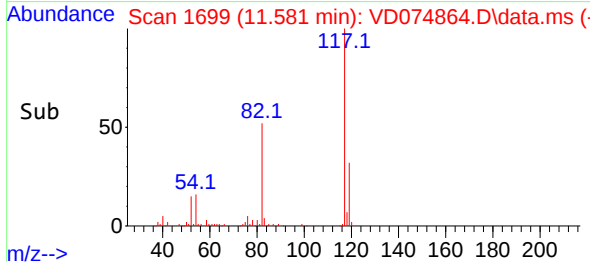
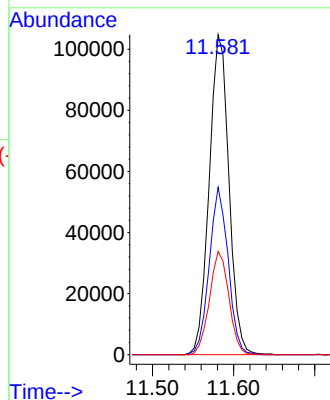
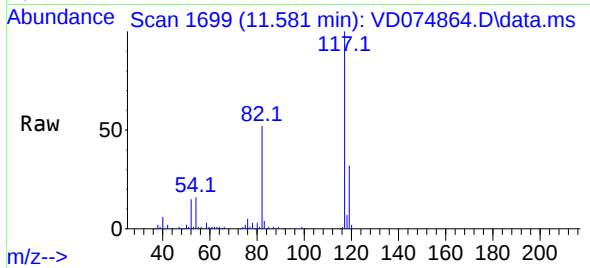




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

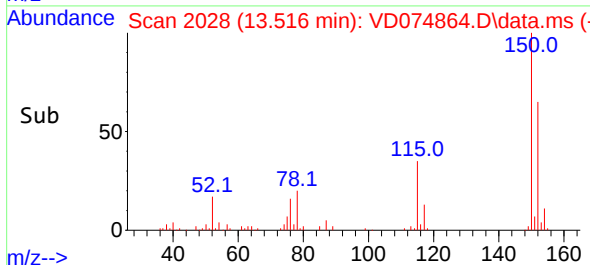
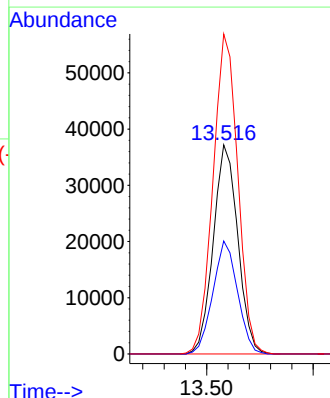
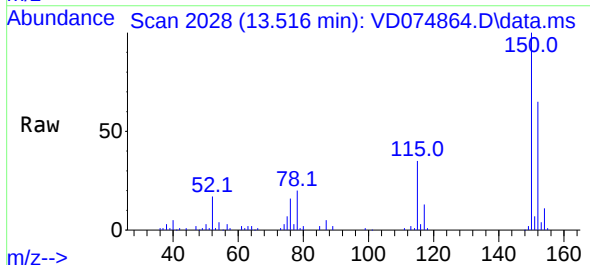
Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103RE

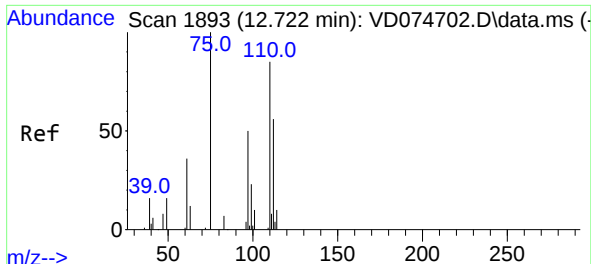
Tgt Ion:	117	Resp:	176791
Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.6	62.4
119	32.3	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

Tgt Ion:	152	Resp:	59471
Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.8	80.4
150	154.5	0.0	348.2

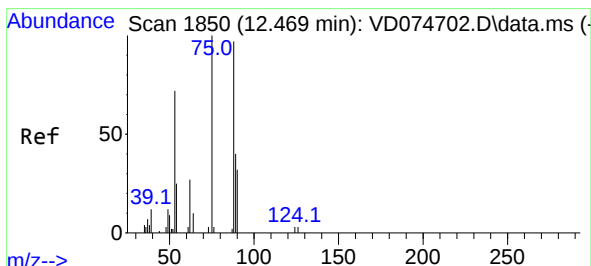
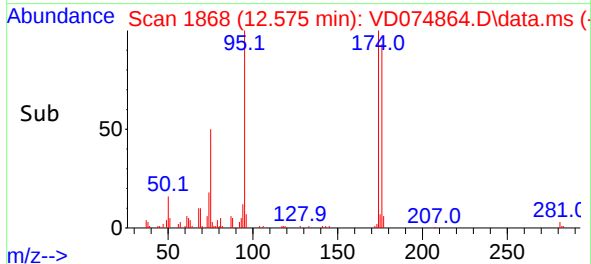
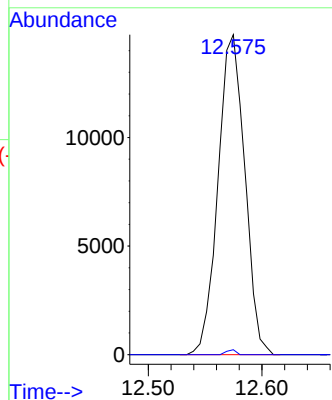
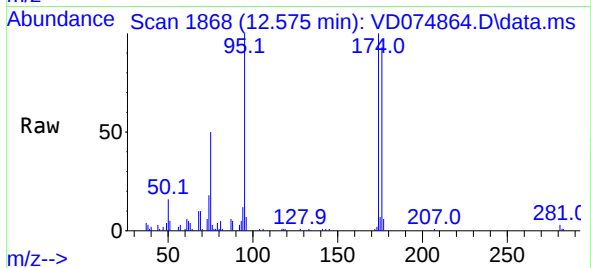




#76
1,2,3-Trichloropropane
Concen: 52.297 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103RE

Tgt Ion: 75 Resp: 24110
Ion Ratio Lower Upper
75 100
77 0.6 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.140 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074864.D
Acq: 10 Nov 2022 13:34

Tgt Ion: 75 Resp: 24110
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

