

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074825.D
 Acq On : 09 Nov 2022 13:54
 Operator : VA/SY
 Sample : N5451-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LFR-SOIL-1103

Quant Time: Nov 10 00:35:52 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)

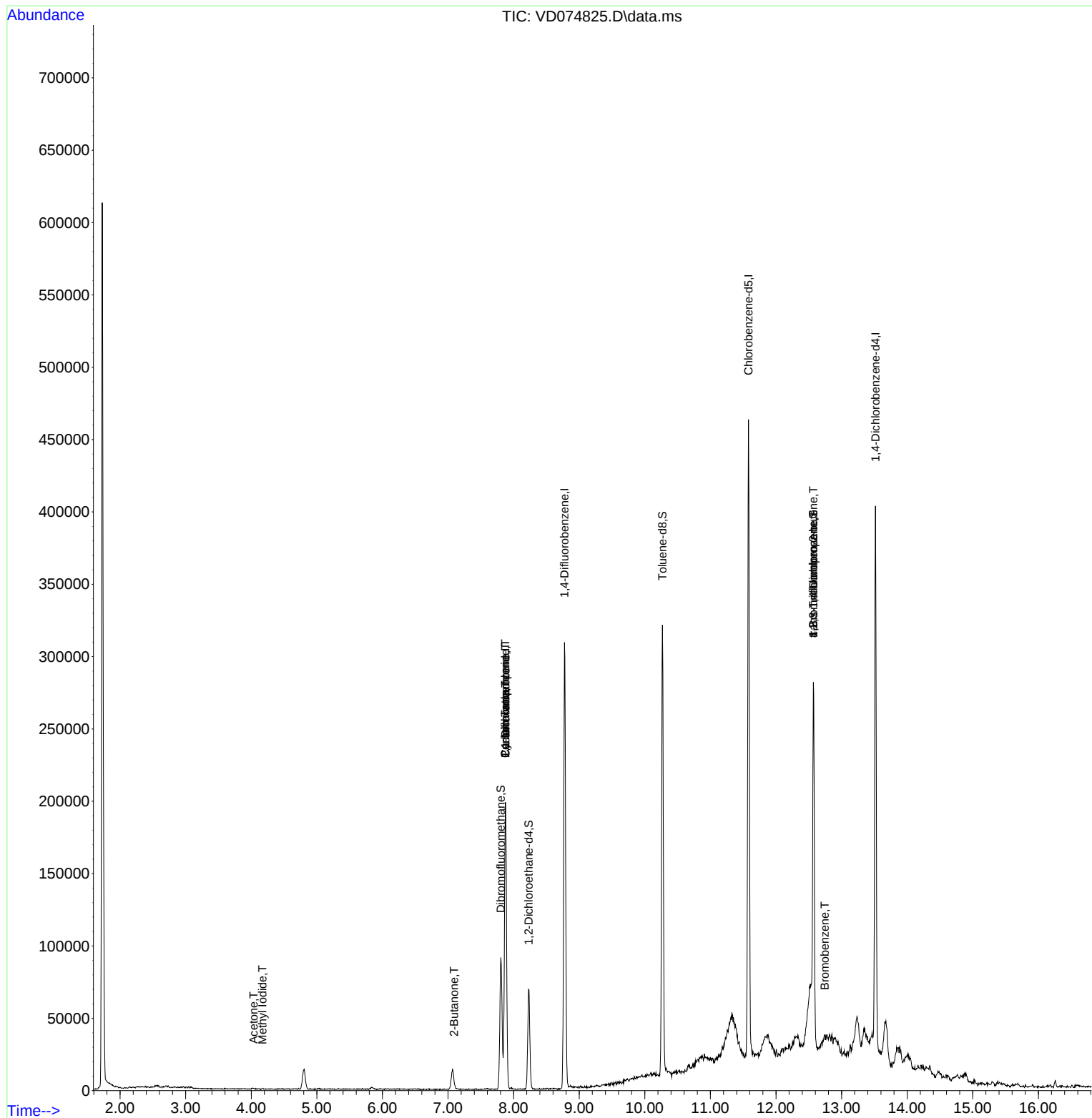
Internal Standards						
1) Pentafluorobenzene	7.875	168	162676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	296305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	277903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	105931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	53186	41.280	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.560%
35) Dibromofluoromethane	7.805	113	68587	39.131	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.260%
50) Toluene-d8	10.269	98	227953	35.654	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	71.300%
62) 4-Bromofluorobenzene	12.569	95	81498	44.148	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.300%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	181	5.629	ug/l #	43
11) Tert butyl alcohol	5.040	59	134	Below Cal	#	84
16) Acetone	4.034	43	866	3.221	ug/l	94
20) Methylene Chloride	4.805	84	12638	Below Cal		97
25) 2-Butanone	7.093	43	714	1.931	ug/l #	42
31) Cyclohexane	7.875	56	3079	1.180	ug/l #	22
36) 1,1-Dichloropropene	7.875	75	10935	4.110	ug/l #	47
38) Carbon Tetrachloride	7.875	117	16225	6.437	ug/l #	19
76) 1,2,3-Trichloropropane	12.569	75	35704	43.479	ug/l #	1
77) Bromobenzene	12.745	156	6992	3.924	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	35704	103.208	ug/l #	17

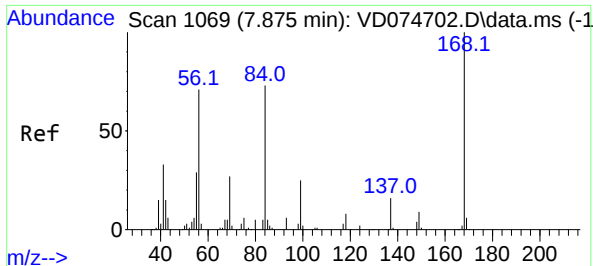
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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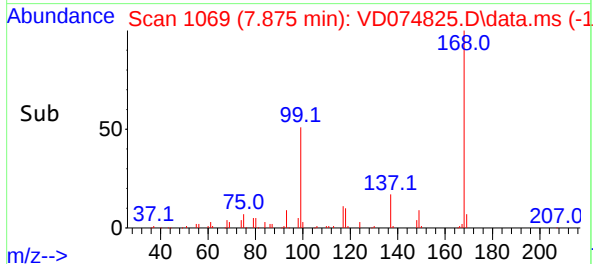
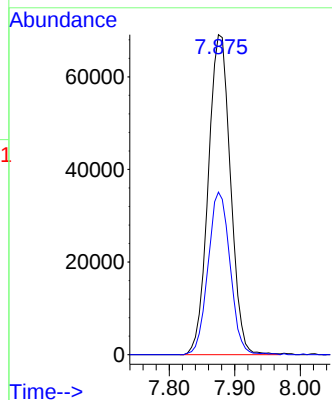
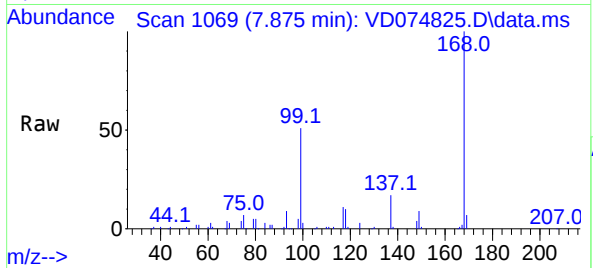




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

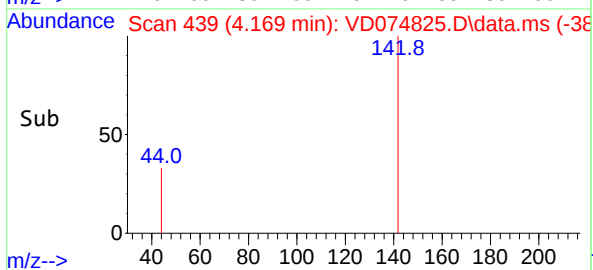
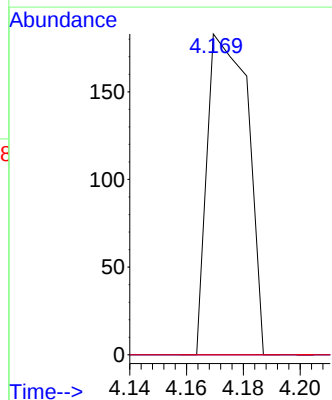
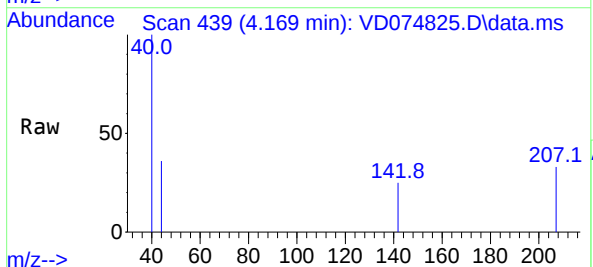
Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103

Tgt Ion:168 Resp: 162676
Ion Ratio Lower Upper
168 100
99 50.8 40.9 61.3



#10
Methyl Iodide
Concen: 5.629 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

Tgt Ion:142 Resp: 181
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: 5.040 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD074825.D

Acq: 09 Nov 2022 13:54

Instrument :

MSVOA_D

ClientSampleId :

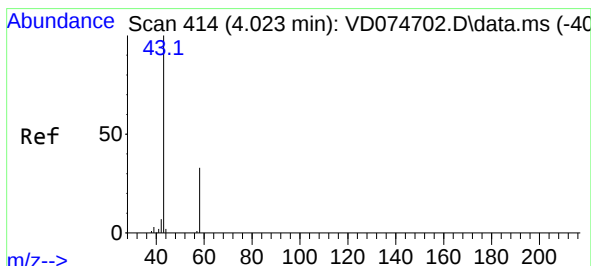
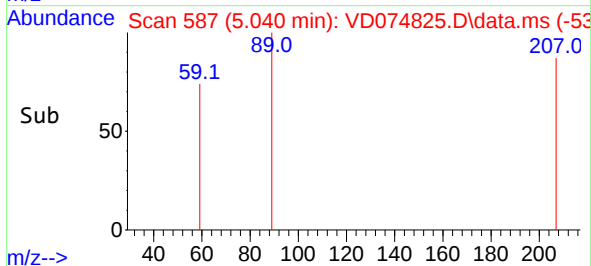
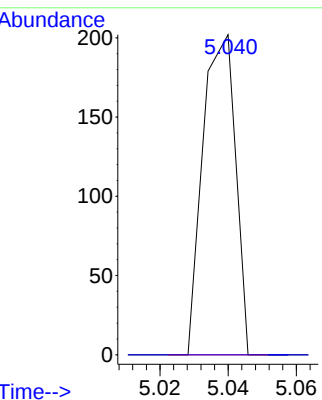
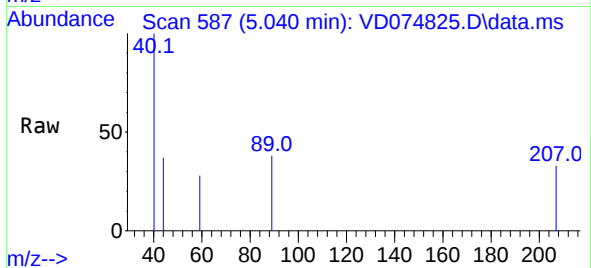
LFR-SOIL-1103

Tgt Ion: 59 Resp: 134

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 3.221 ug/l

RT: 4.034 min Scan# 416

Delta R.T. 0.011 min

Lab File: VD074825.D

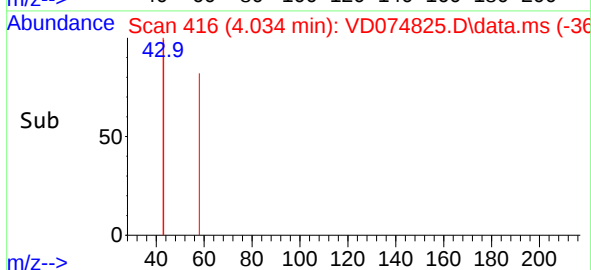
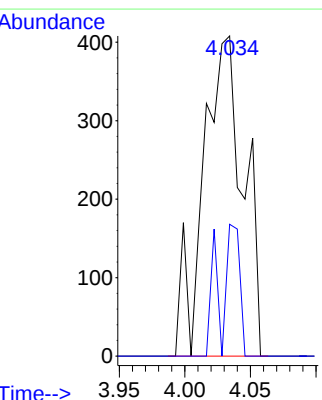
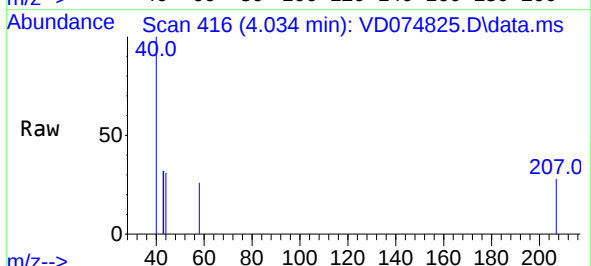
Acq: 09 Nov 2022 13:54

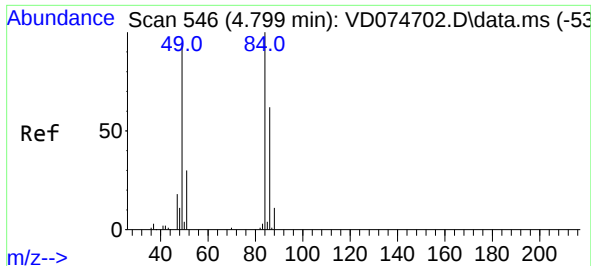
Tgt Ion: 43 Resp: 866

Ion Ratio Lower Upper

43 100

58 41.2 30.2 45.2



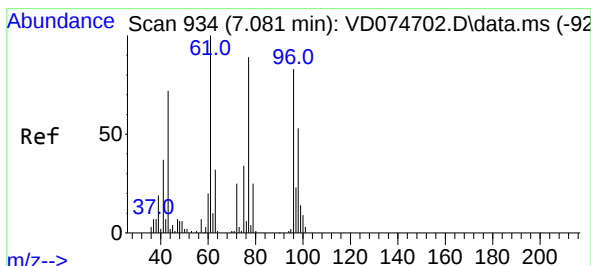
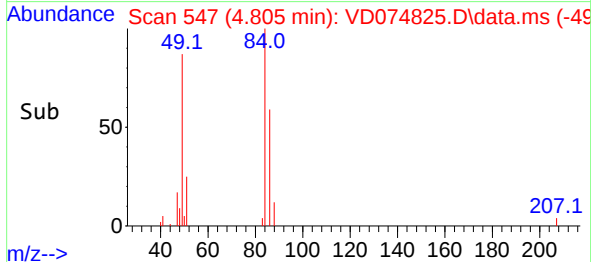
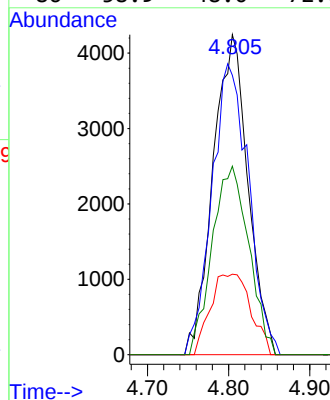
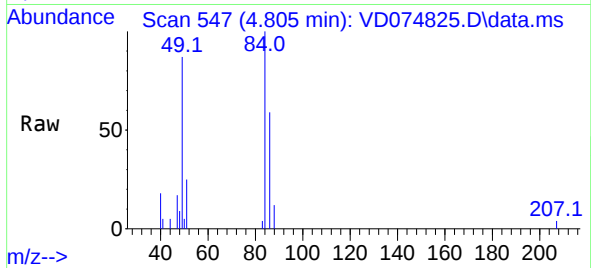


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103

Tgt Ion: 84 Resp: 12638

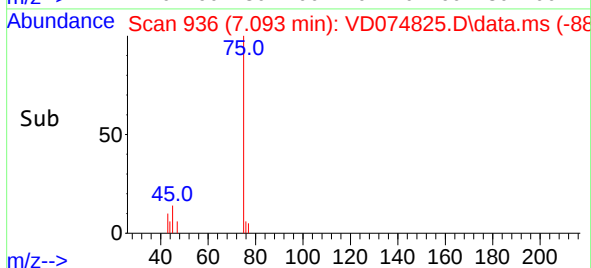
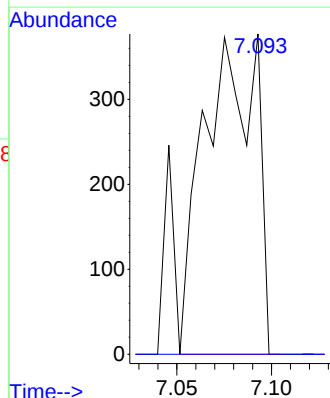
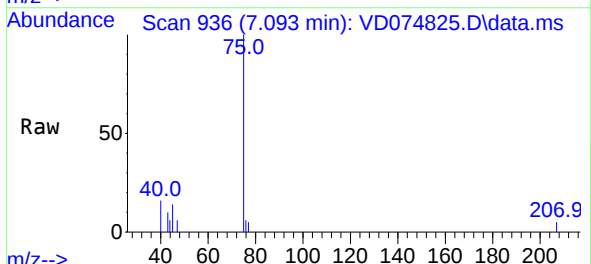
Ion	Ratio	Lower	Upper
84	100		
49	87.3	68.0	102.0
51	25.1	23.2	34.8
86	58.9	48.0	72.0

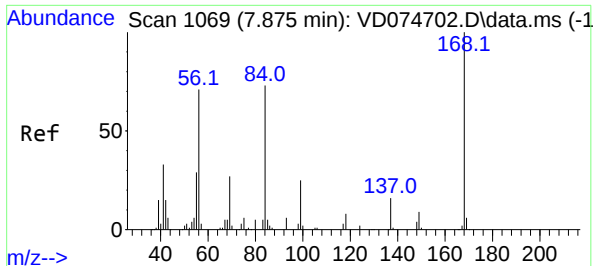


#25
2-Butanone
Concen: 1.931 ug/l
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

Tgt Ion: 43 Resp: 714

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8

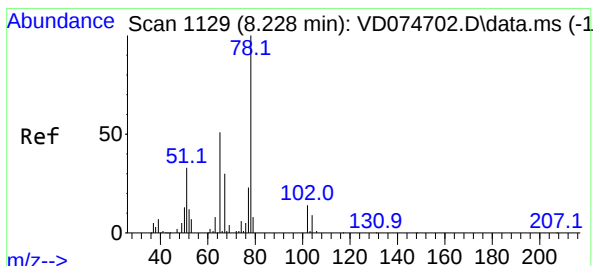
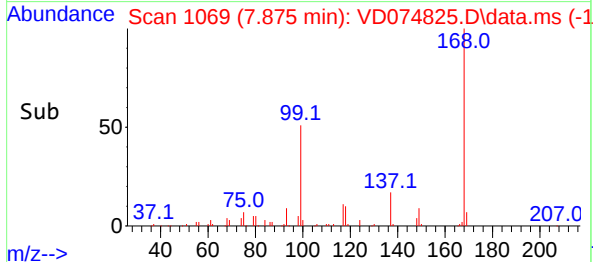
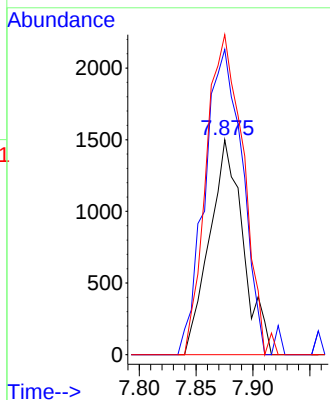
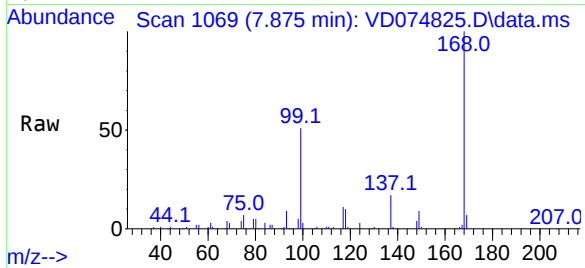




#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

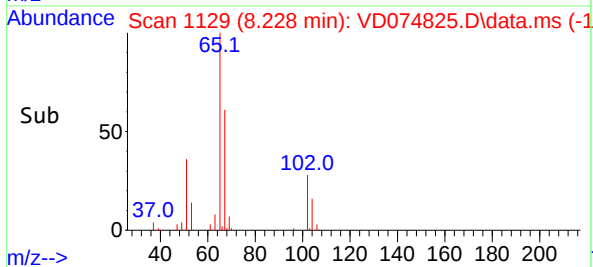
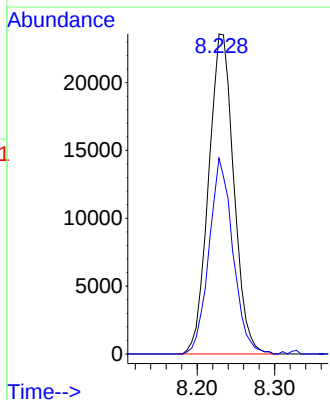
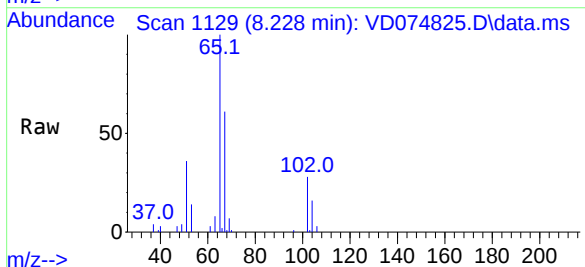
Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103

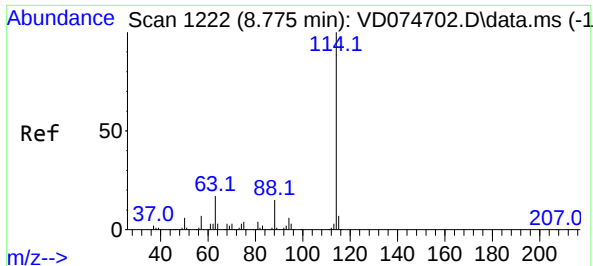
Tgt Ion: 56 Resp: 3079
Ion Ratio Lower Upper
56 100
69 142.0 29.2 43.8#
84 148.9 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 41.280 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

Tgt Ion: 65 Resp: 53186
Ion Ratio Lower Upper
65 100
67 58.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD074825.D

Acq: 09 Nov 2022 13:54

Instrument :

MSVOA_D

ClientSampleId :

LFR-SOIL-1103

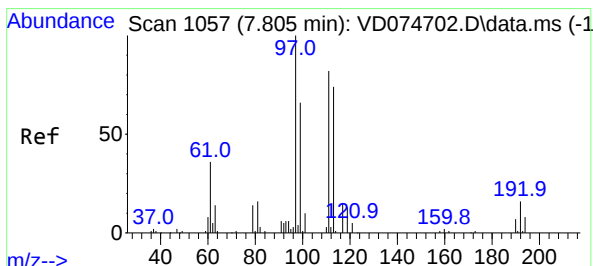
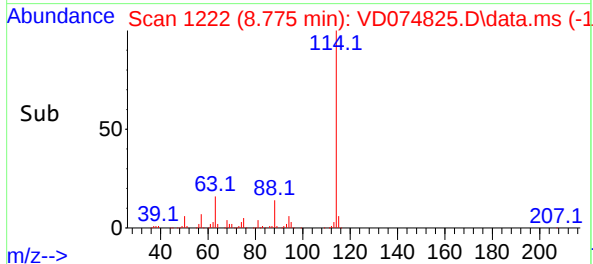
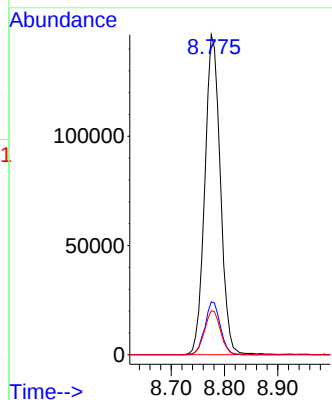
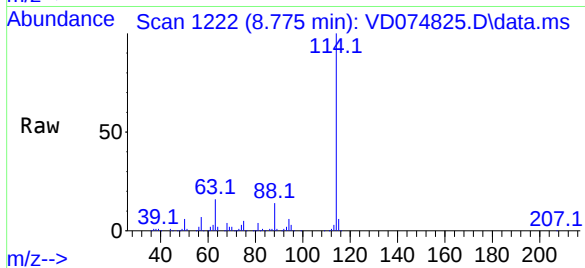
Tgt Ion:114 Resp: 296305

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.2

88 13.7 0.0 28.2



#35

Dibromofluoromethane

Concen: 39.131 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074825.D

Acq: 09 Nov 2022 13:54

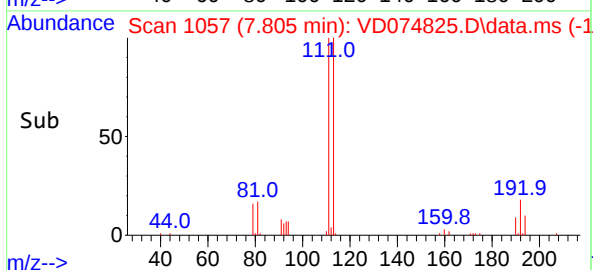
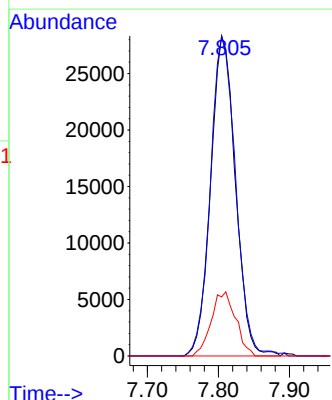
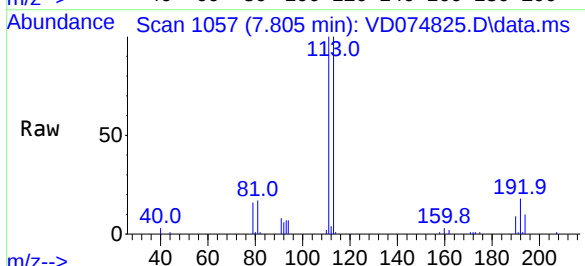
Tgt Ion:113 Resp: 68587

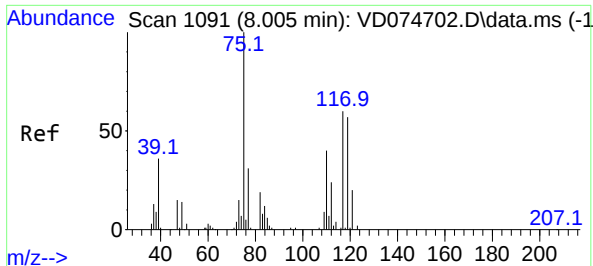
Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

192 19.8 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.110 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074825.D

Acq: 09 Nov 2022 13:54

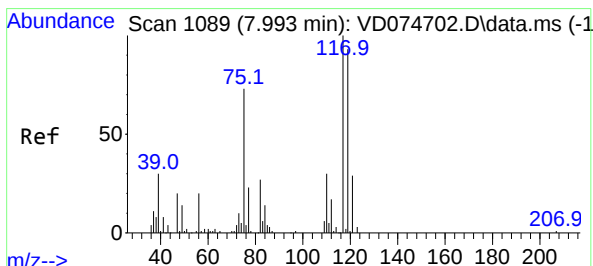
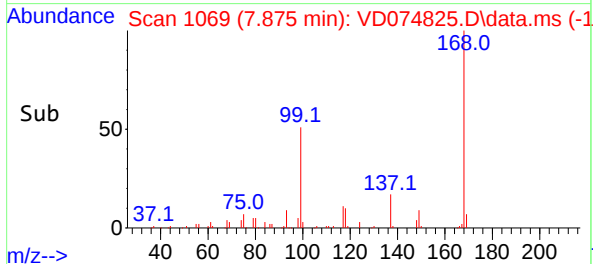
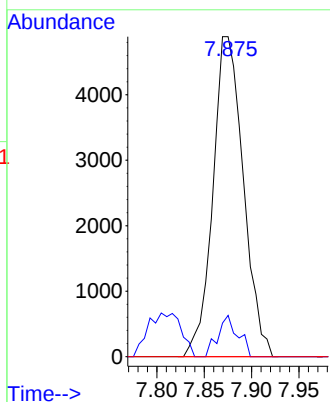
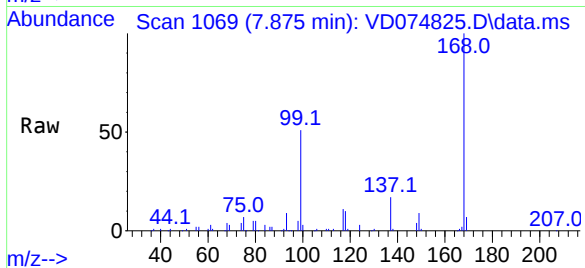
Instrument :

MSVOA_D

ClientSampleId :

LFR-SOIL-1103

Tgt Ion:	75	Resp:	10935
Ion	Ratio	Lower	Upper
75	100		
110	8.4	19.7	59.0#
77	0.0	25.4	38.2#



#38

Carbon Tetrachloride

Concen: 6.437 ug/l

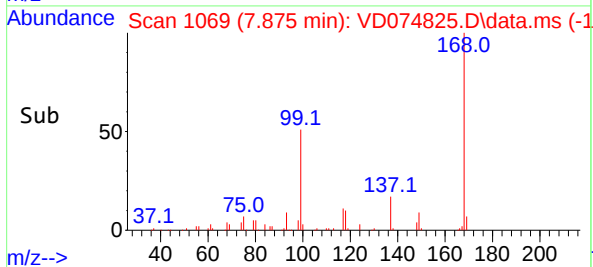
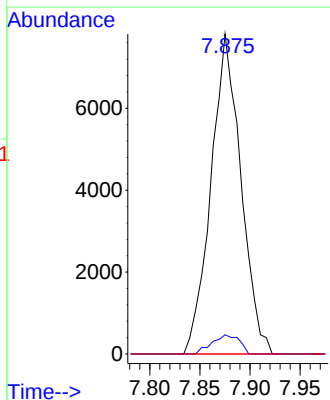
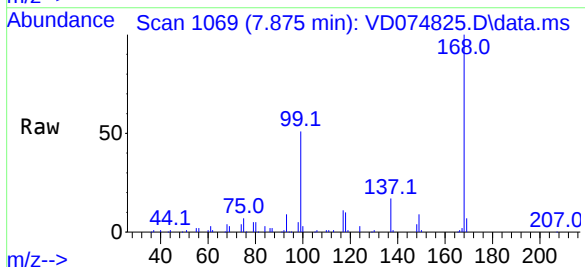
RT: 7.875 min Scan# 1069

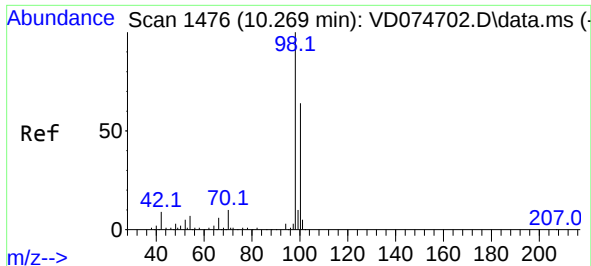
Delta R.T. -0.118 min

Lab File: VD074825.D

Acq: 09 Nov 2022 13:54

Tgt Ion:	117	Resp:	16225
Ion	Ratio	Lower	Upper
117	100		
119	6.0	73.1	109.7#
121	0.0	25.0	37.6#

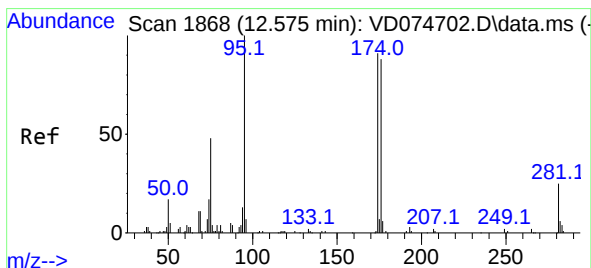
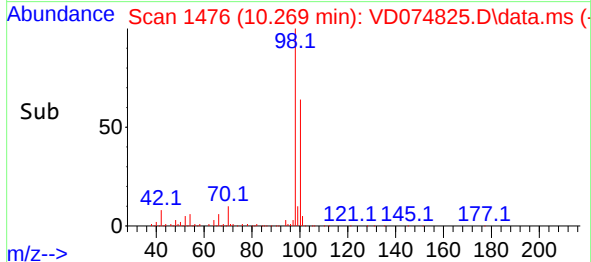
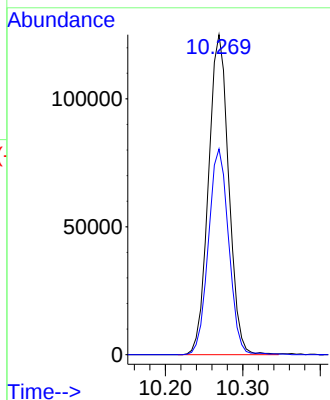
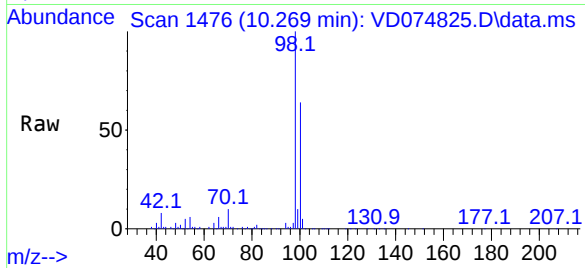




#50
Toluene-d8
Concen: 35.654 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

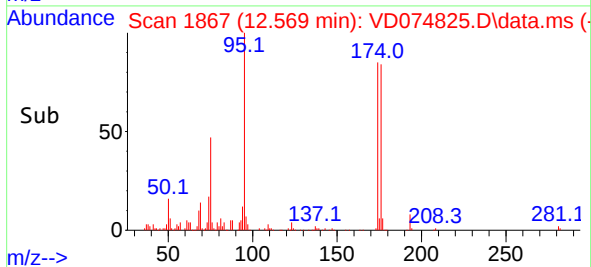
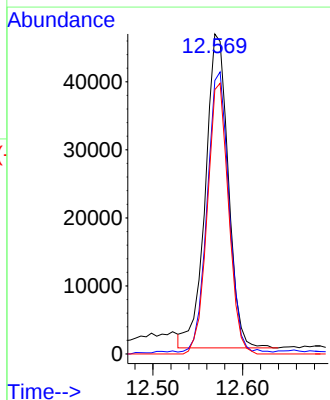
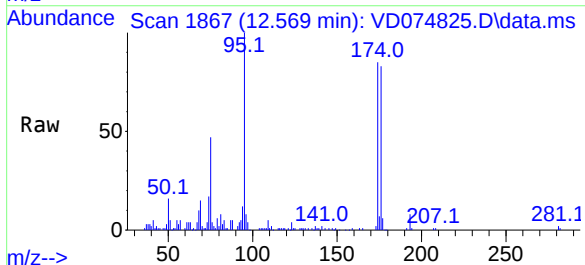
Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103

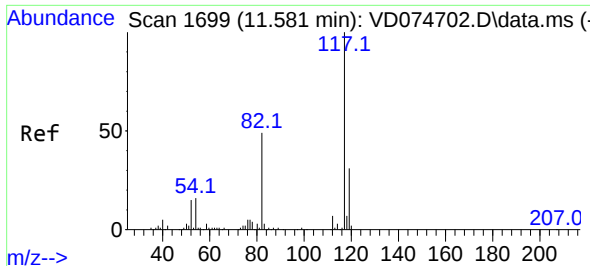
Tgt Ion: 98 Resp: 227953
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.148 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

Tgt Ion: 95 Resp: 81498
Ion Ratio Lower Upper
95 100
174 84.4 0.0 197.0
176 79.9 0.0 182.6

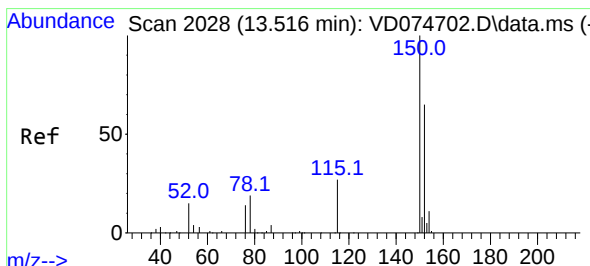
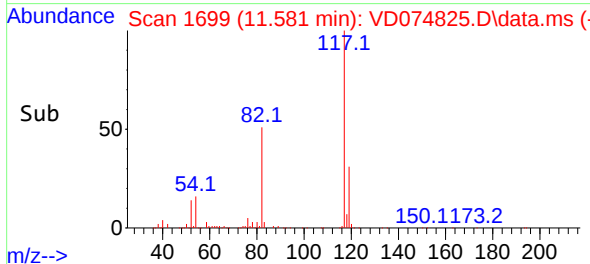
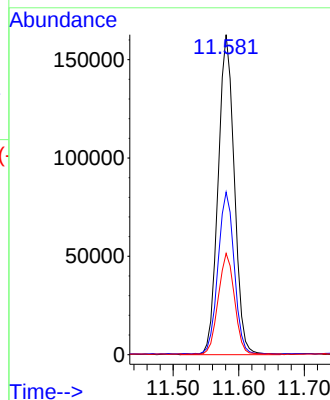
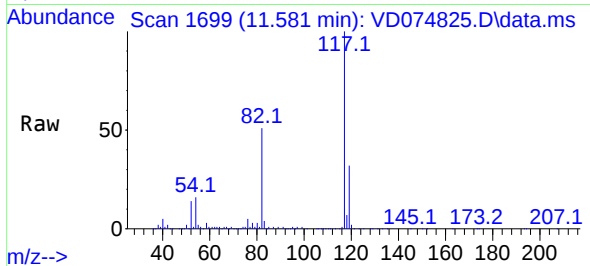




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

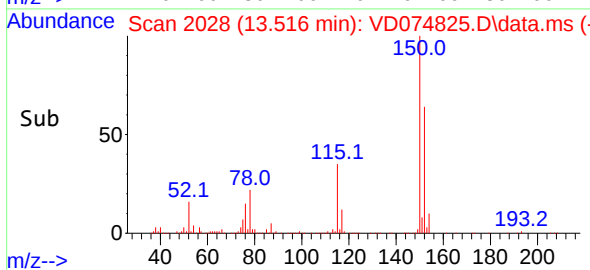
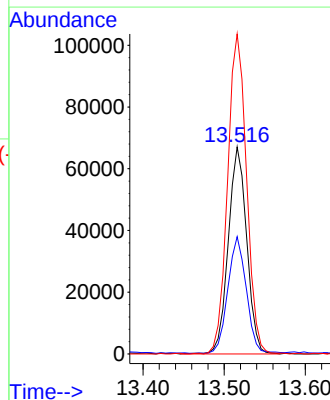
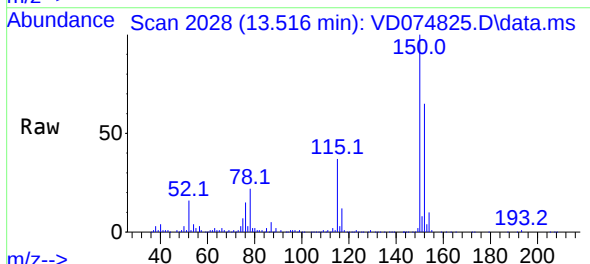
Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103

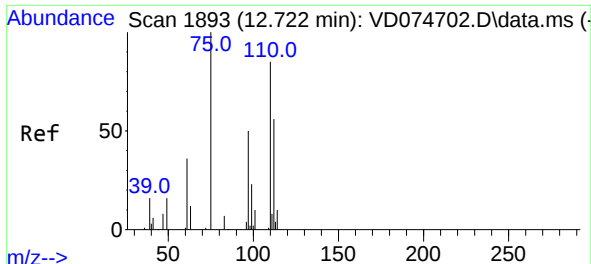
Tgt Ion:117 Resp: 277903
Ion Ratio Lower Upper
117 100
82 50.5 41.6 62.4
119 31.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

Tgt Ion:152 Resp: 105931
Ion Ratio Lower Upper
152 100
115 56.2 26.8 80.4
150 158.7 0.0 348.2

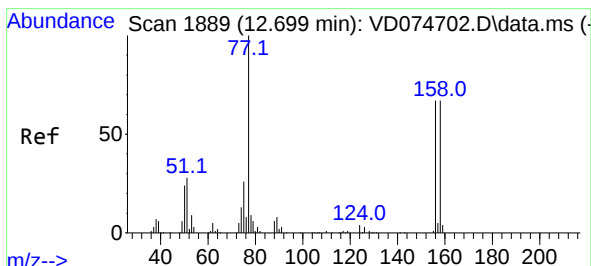
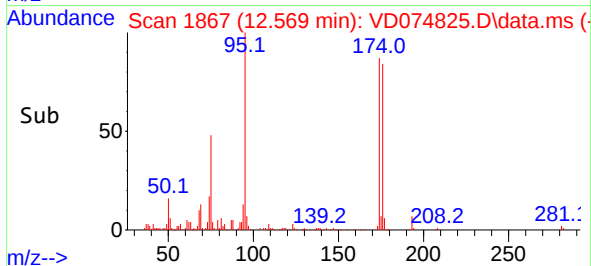
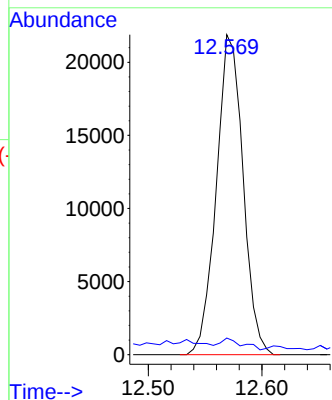
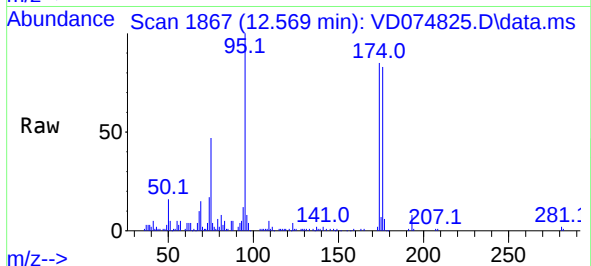




#76
1,2,3-Trichloropropane
Concen: 43.479 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

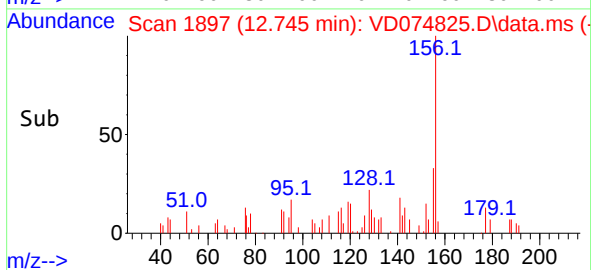
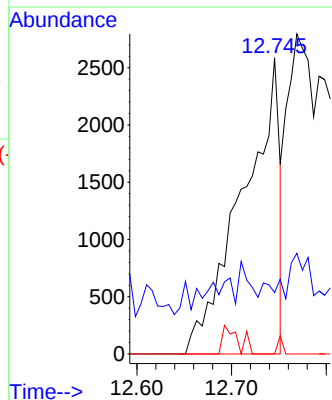
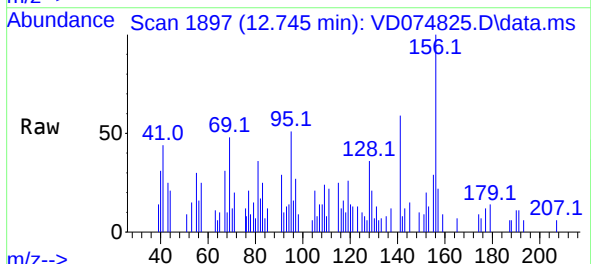
Instrument :
MSVOA_D
ClientSampleId :
LFR-SOIL-1103

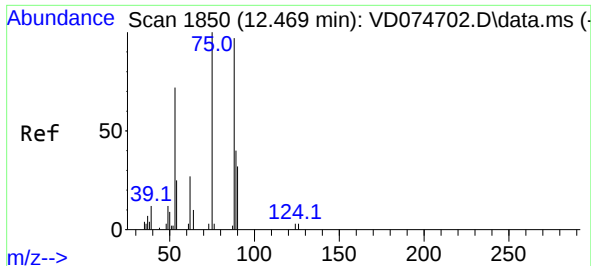
Tgt Ion: 75 Resp: 35704
Ion Ratio Lower Upper
75 100
77 2.9 185.8 557.5#



#77
Bromobenzene
Concen: 3.924 ug/l
RT: 12.745 min Scan# 1897
Delta R.T. 0.046 min
Lab File: VD074825.D
Acq: 09 Nov 2022 13:54

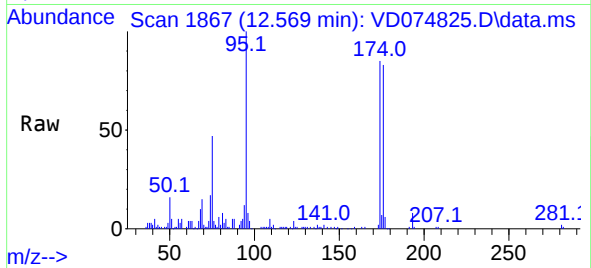
Tgt Ion:156 Resp: 6992
Ion Ratio Lower Upper
156 100
77 1.5 77.7 233.1#
158 0.8 49.4 148.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.208 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD074825.D
 Acq: 09 Nov 2022 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 LFR-SOIL-1103



Tgt Ion: 75 Resp: 35704
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

