

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052323\
 Data File : VD076200.D
 Acq On : 23 May 2023 18:30
 Operator : KP/SY
 Sample : 02864-07
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-BIN

Quant Time: May 24 06:42:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

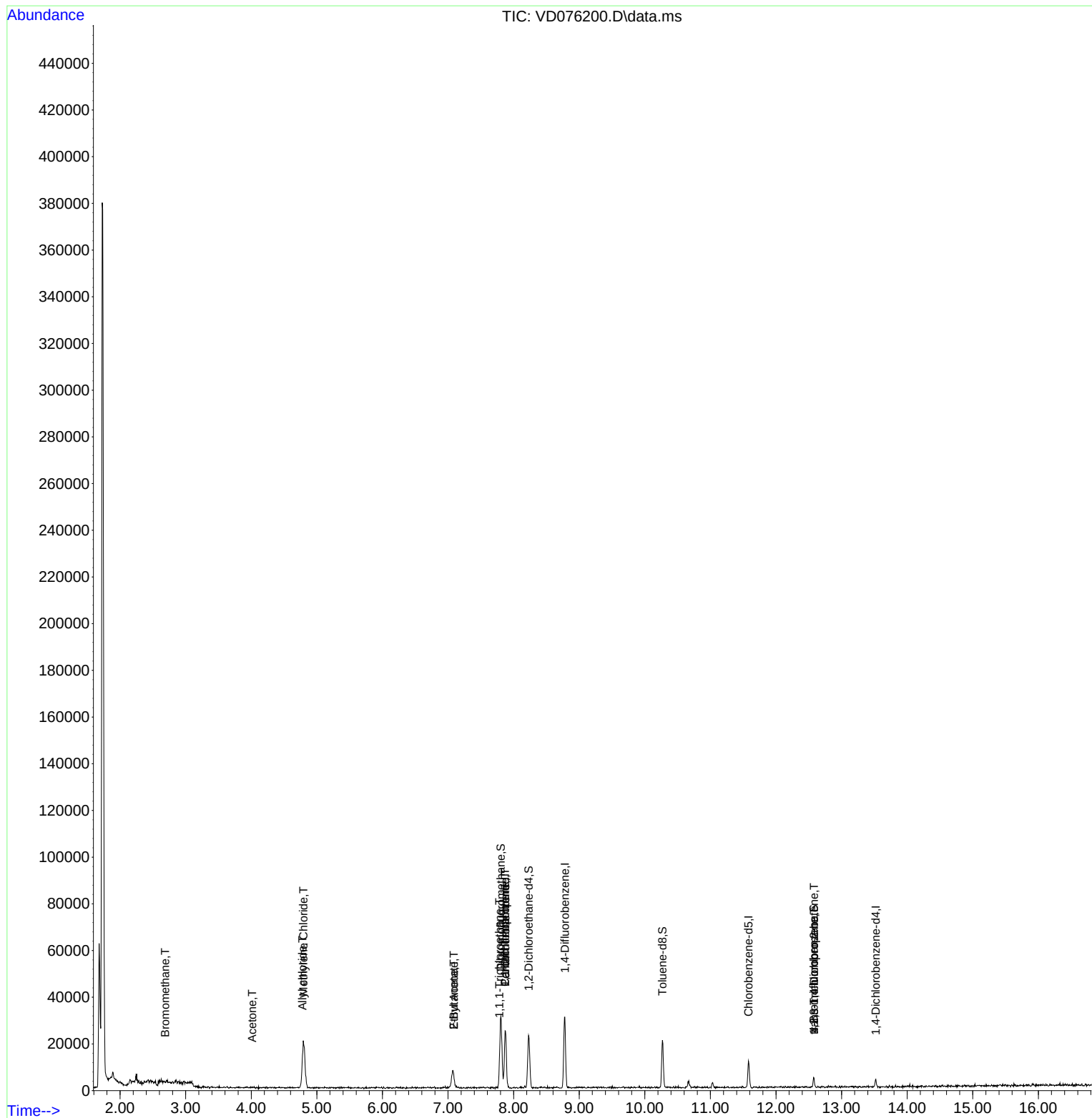
Internal Standards						
1) Pentafluorobenzene	7.875	168	19942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	29884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	7347	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	1222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	17902	92.884	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 185.760%#	
35) Dibromofluoromethane	7.805	113	22522	109.032	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 218.060%#	
50) Toluene-d8	10.269	98	15588	19.358	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 38.720%#	
62) 4-Bromofluorobenzene	12.575	95	1525	6.818	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 13.640%#	
Target Compounds						
						Qvalue
3) Chloromethane	2.152	50	504	Below Cal		99
5) Bromomethane	2.687	94	377	1.444	ug/l #	1
14) Allyl chloride	4.781	41	243	1.111	ug/l #	20
16) Acetone	4.017	43	126	3.286	ug/l #	44
20) Methylene Chloride	4.793	84	16663	56.404	ug/l #	71
25) 2-Butanone	7.087	43	223	4.625	ug/l #	50
32) 1,1,1-Trichloroethane	7.781	97	764	2.239	ug/l #	92
36) 1,1-Dichloropropene	7.869	75	1546	5.542	ug/l #	42
37) Ethyl Acetate	7.087	43	223	2.308	ug/l #	80
38) Carbon Tetrachloride	7.869	117	1754	6.961	ug/l #	13
76) 1,2,3-Trichloropropane	12.581	75	506	47.318	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.581	75	506	99.266	ug/l #	5

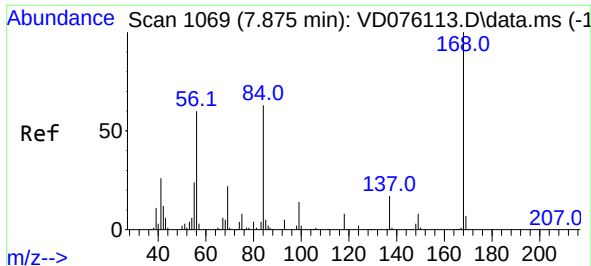
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260
QLast Update : Tue May 16 10:08:53 2023
Response via : Initial Calibration

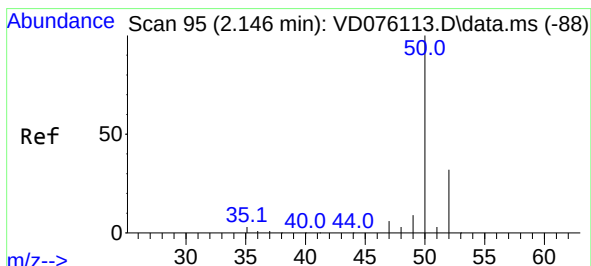
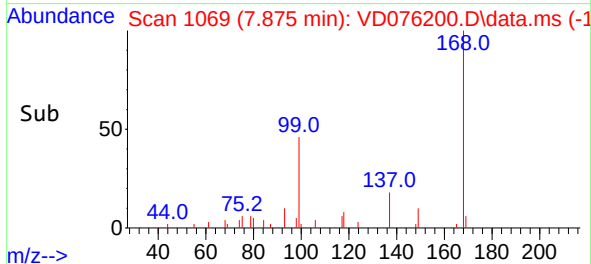
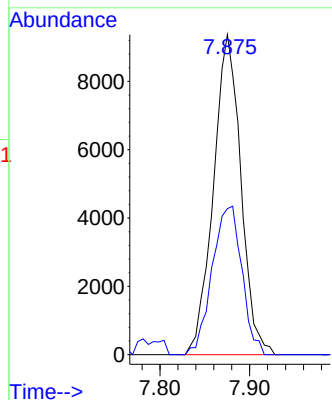
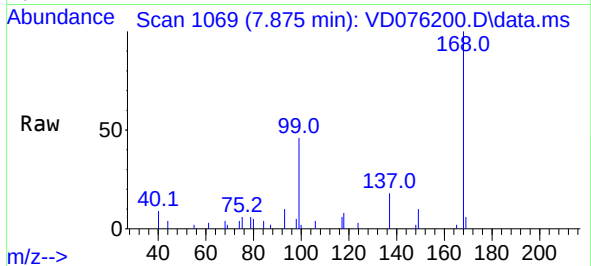




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

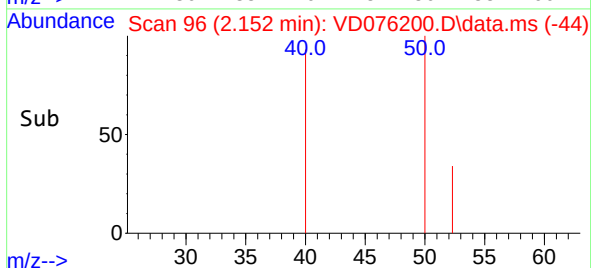
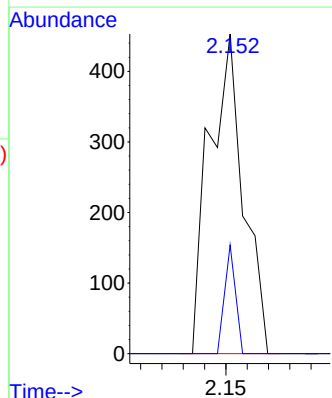
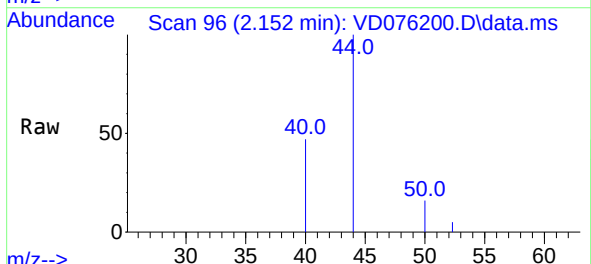
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

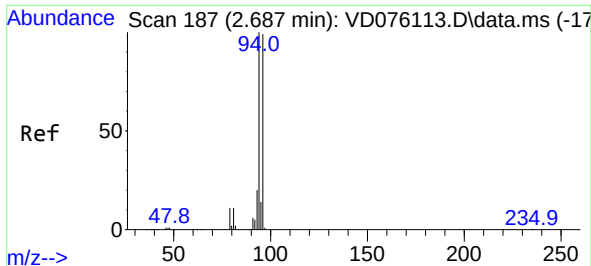
Tgt Ion:168 Resp: 19942
Ion Ratio Lower Upper
168 100
99 45.7 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 34.0 27.8 41.8

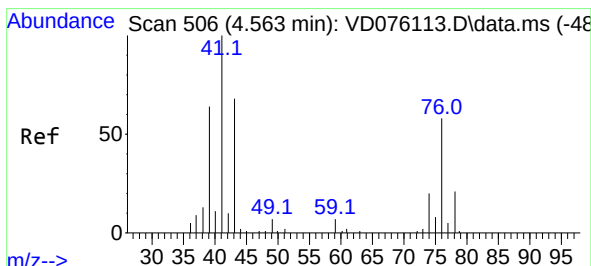
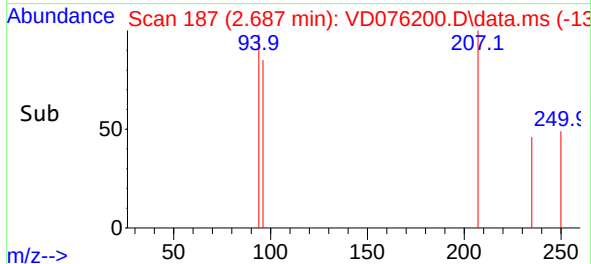
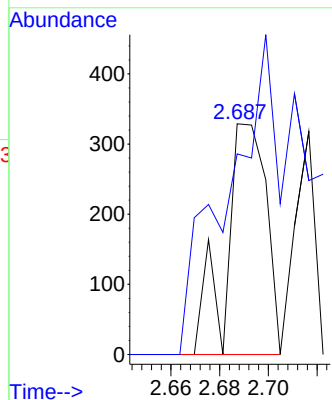
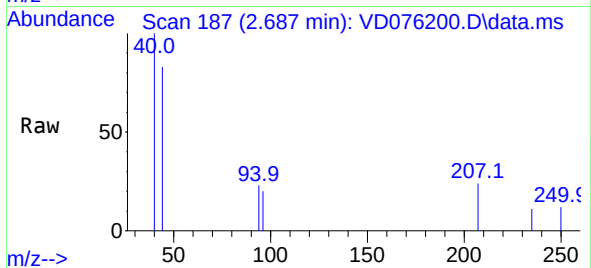




#5
Bromomethane
Concen: 1.444 ug/l
RT: 2.687 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

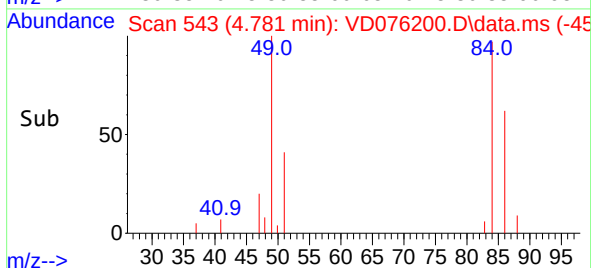
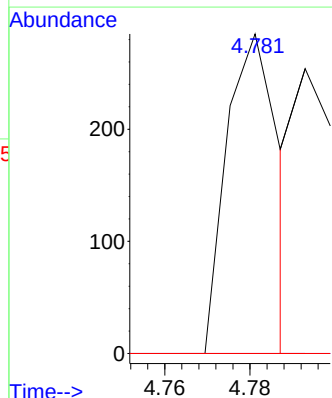
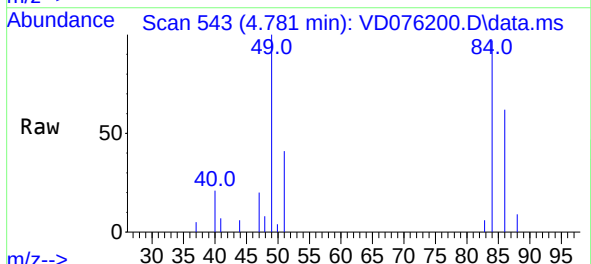
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

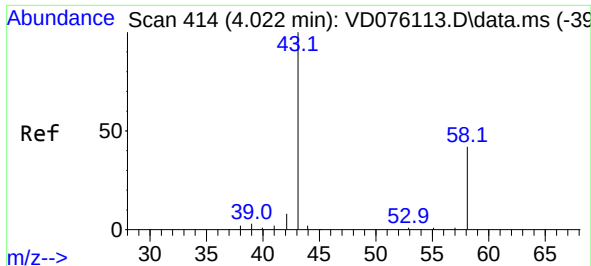
Tgt Ion: 94 Resp: 377
Ion Ratio Lower Upper
94 100
96 323.3 77.5 116.3#



#14
Allyl chloride
Concen: 1.111 ug/l
RT: 4.781 min Scan# 543
Delta R.T. 0.218 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Tgt Ion: 41 Resp: 243
Ion Ratio Lower Upper
41 100
39 0.0 60.6 90.8#
76 0.0 28.6 43.0#

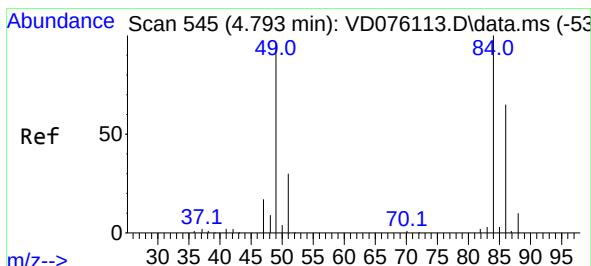
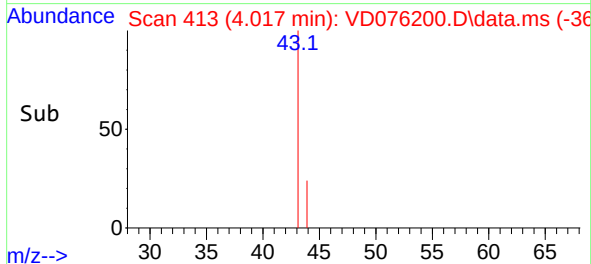
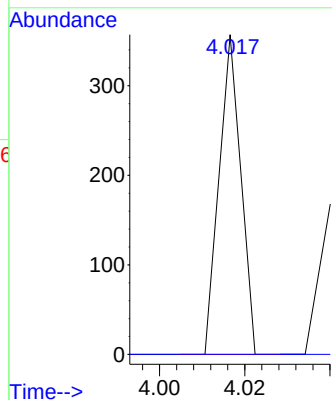
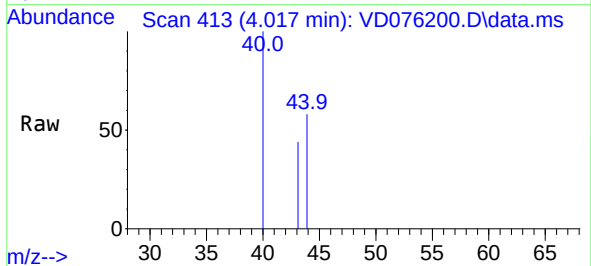




#16
Acetone
Concen: 3.286 ug/l
RT: 4.017 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

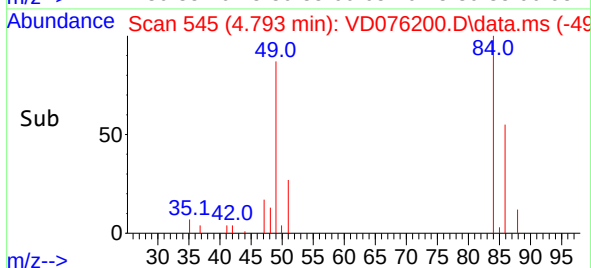
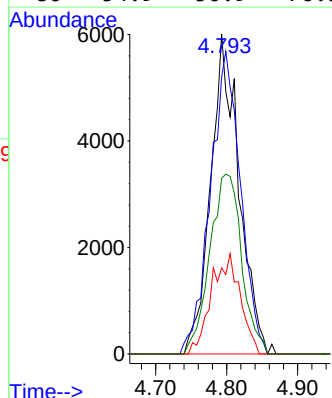
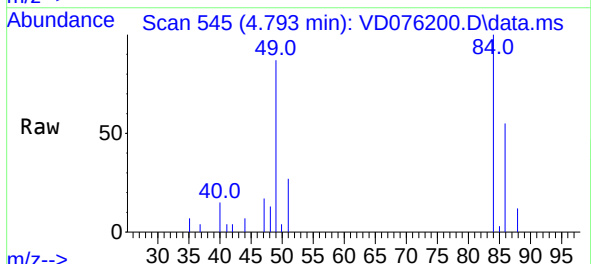
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

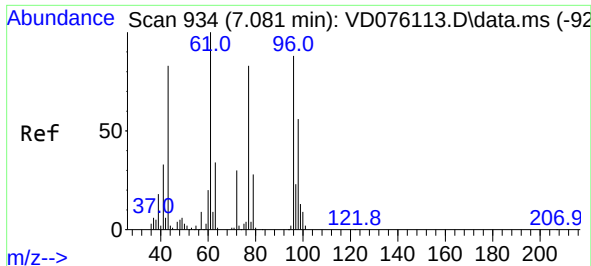
Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#20
Methylene Chloride
Concen: 56.404 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Tgt Ion: 84 Resp: 16663
Ion Ratio Lower Upper
84 100
49 86.6 106.4 159.6#
51 26.9 32.4 48.6#
86 54.9 50.9 76.3

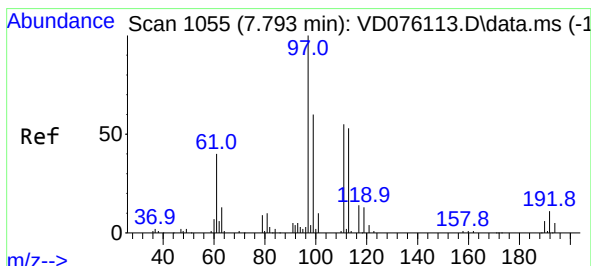
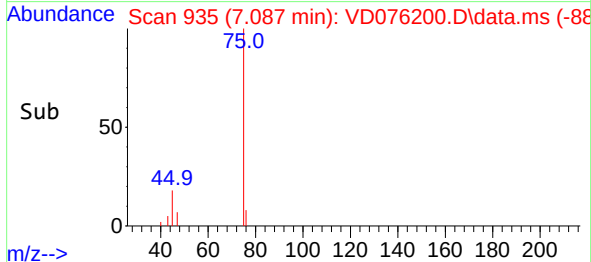
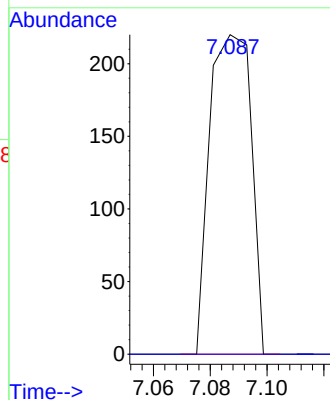
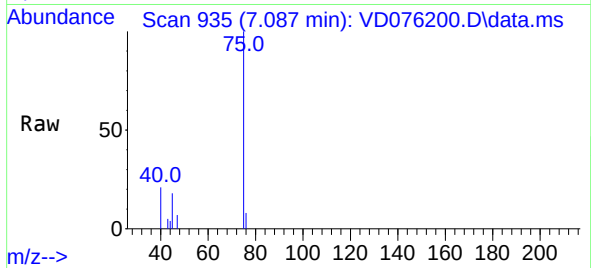




#25
2-Butanone
Concen: 4.625 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

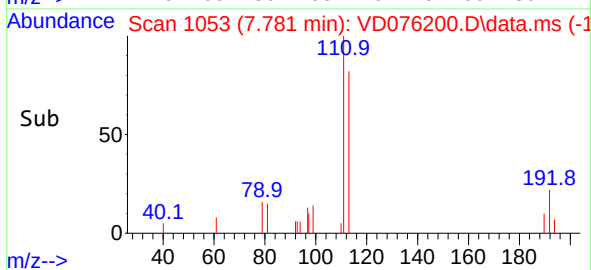
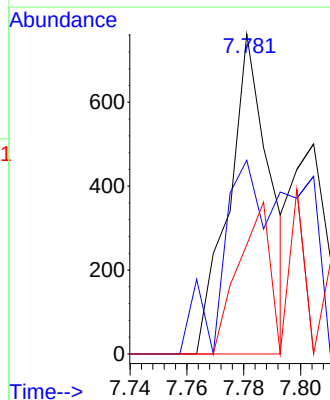
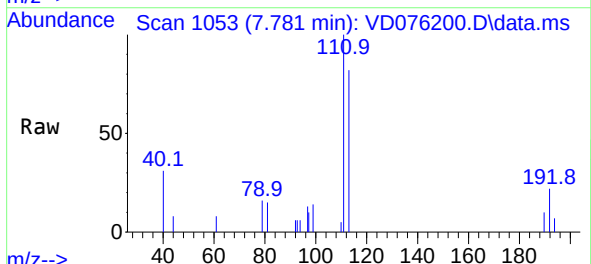
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

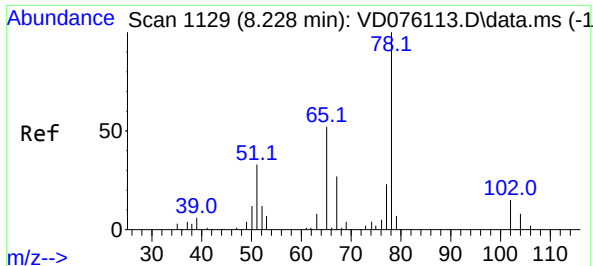
Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.8#



#32
1,1,1-Trichloroethane
Concen: 2.239 ug/l
RT: 7.781 min Scan# 1053
Delta R.T. -0.012 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Tgt Ion: 97 Resp: 764
Ion Ratio Lower Upper
97 100
99 61.1 50.5 75.7
61 36.3 36.6 55.0#





#33

1,2-Dichloroethane-d4

Concen: 92.884 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076200.D

Acq: 23 May 2023 18:30

Instrument :

MSVOA_D

ClientSampleId :

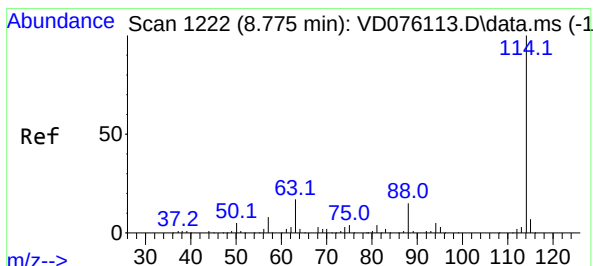
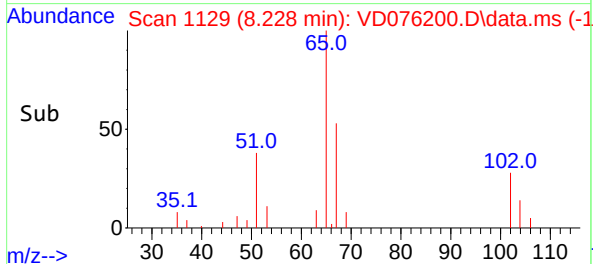
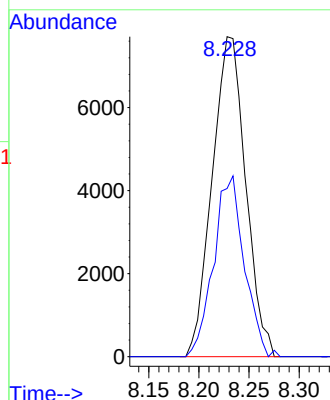
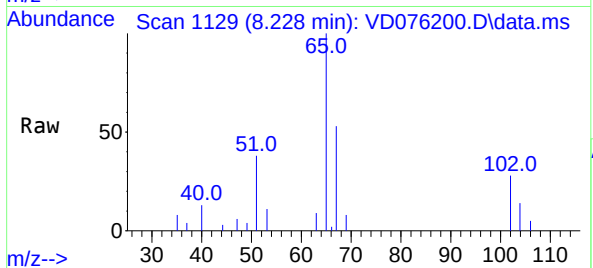
SOIL-BIN

Tgt Ion: 65 Resp: 17902

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD076200.D

Acq: 23 May 2023 18:30

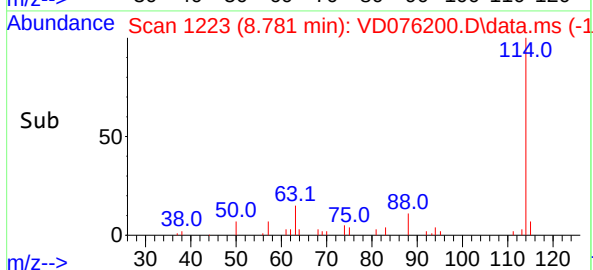
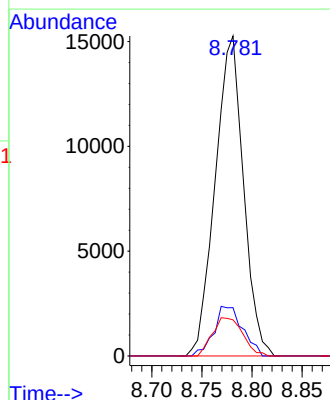
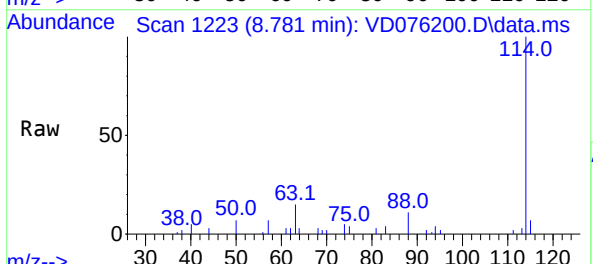
Tgt Ion: 114 Resp: 29884

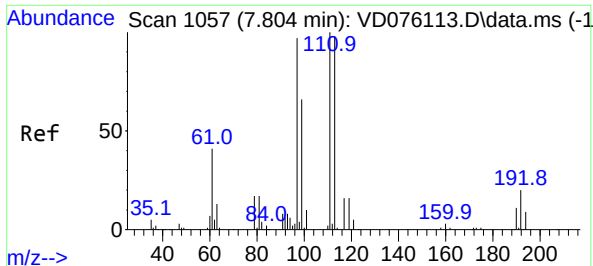
Ion Ratio Lower Upper

114 100

63 15.1 0.0 41.6

88 11.3 0.0 30.6

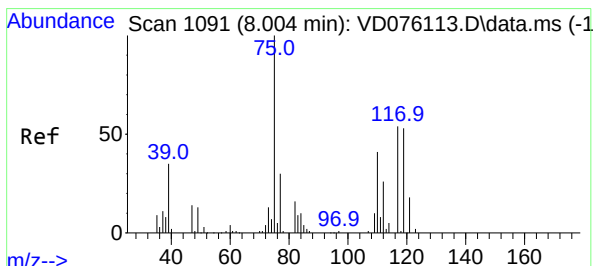
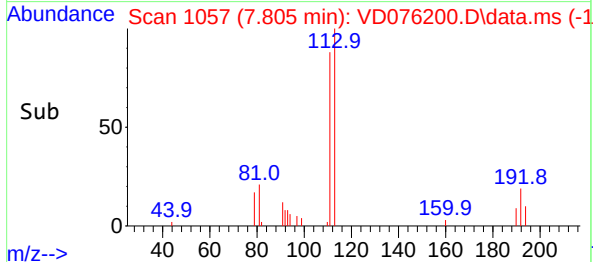
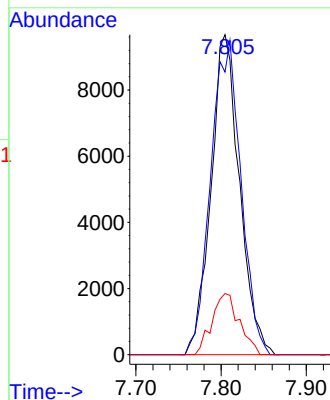
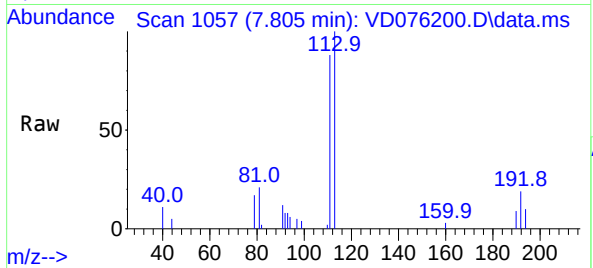




#35
Dibromofluoromethane
Concen: 109.032 ug/l
RT: 7.805 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

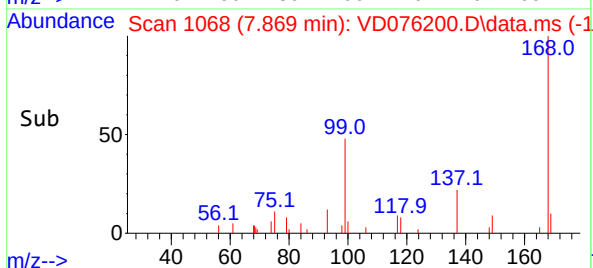
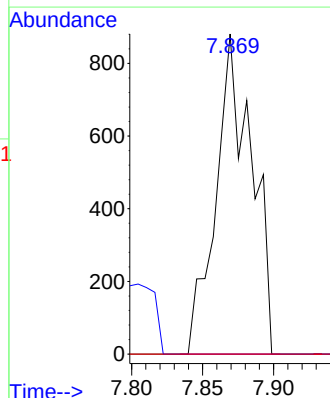
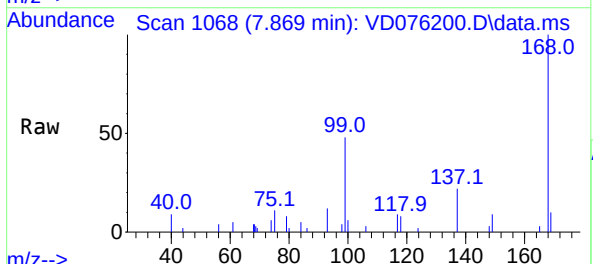
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SOIL-BIN

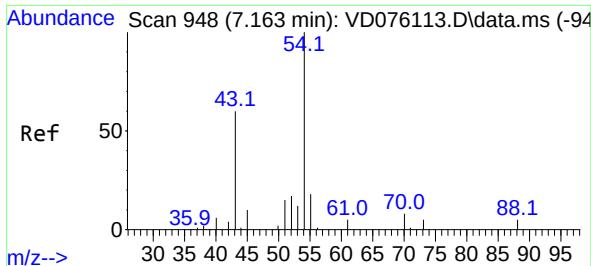
Tgt Ion:	113	Resp:	22522
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.4	122.0
192	18.3	15.2	22.8



#36
1,1-Dichloropropene
Concen: 5.542 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Tgt Ion:	75	Resp:	1546
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.6	36.8#

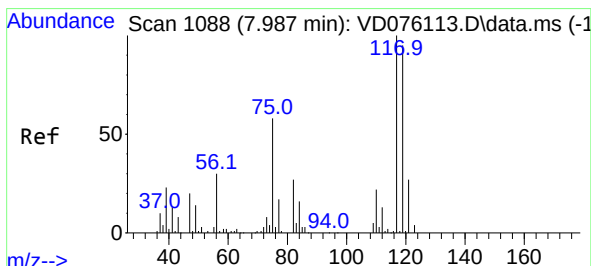
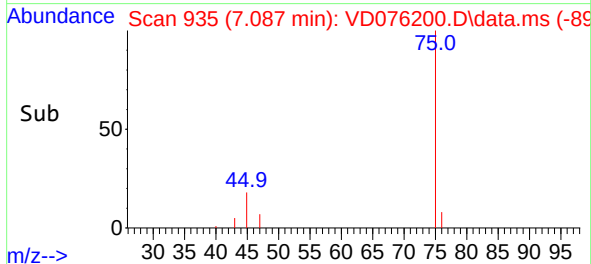
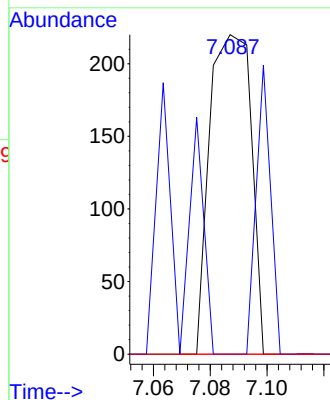
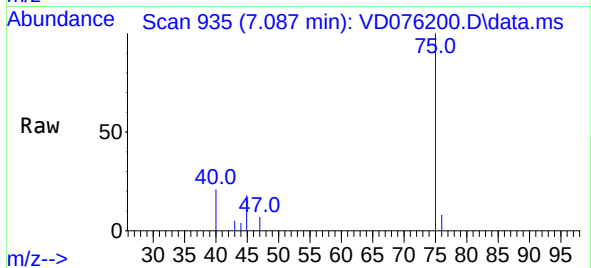




#37
Ethyl Acetate
Concen: 2.308 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.082 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

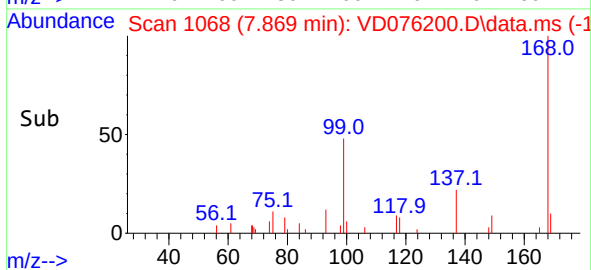
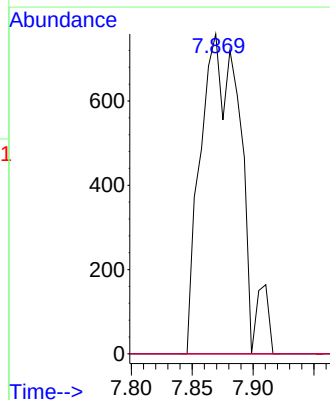
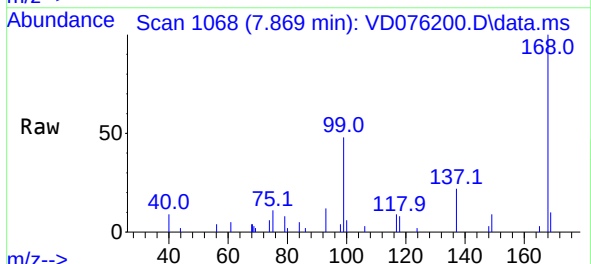
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

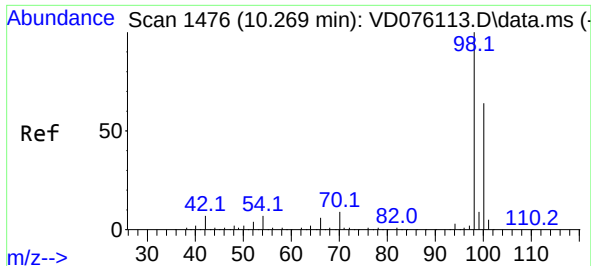
Tgt Ion: 43	Resp: 223
Ion Ratio	Lower Upper
43 100	
61 31.4	0.0 0.0#
70 0.0	5.6 8.4#



#38
Carbon Tetrachloride
Concen: 6.961 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Tgt Ion:117	Resp:	1754	
Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.7	112.1#
121	0.0	25.9	38.9#

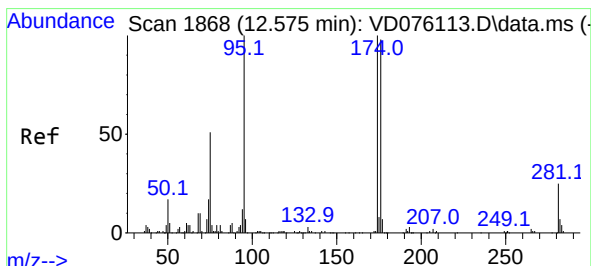
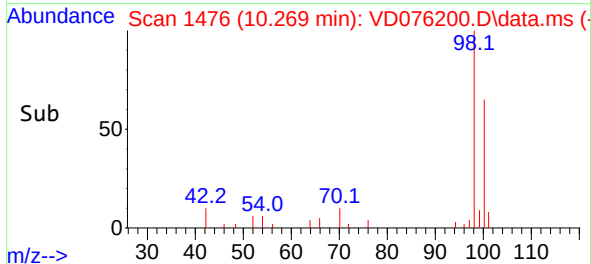
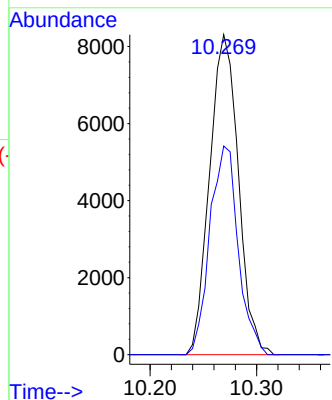
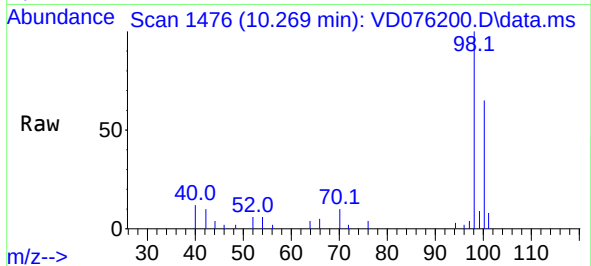




#50
Toluene-d8
Concen: 19.358 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

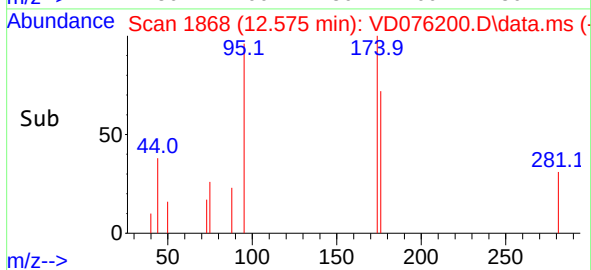
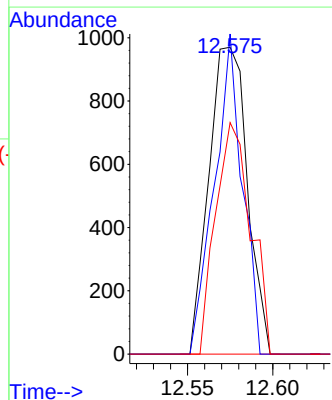
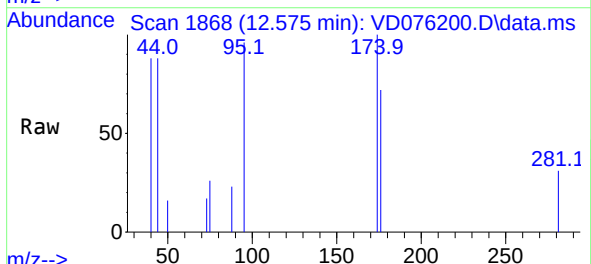
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

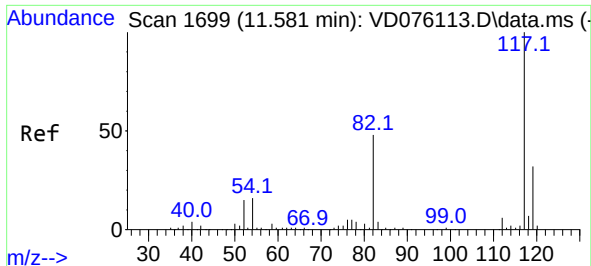
Tgt Ion: 98 Resp: 15588
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 6.818 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Tgt Ion: 95 Resp: 1525
Ion Ratio Lower Upper
95 100
174 75.8 0.0 164.0
176 69.0 0.0 156.8

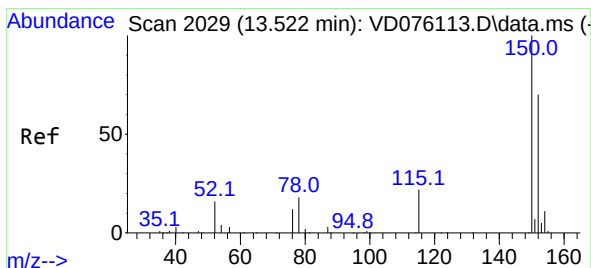
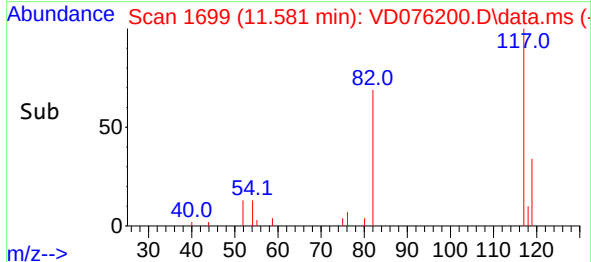
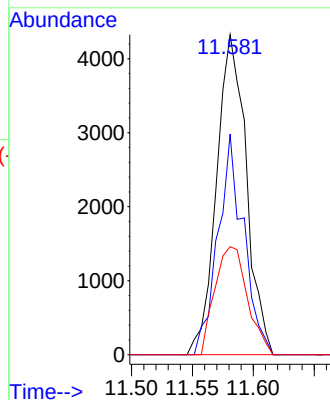
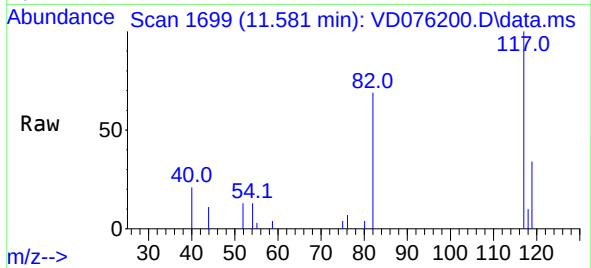




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

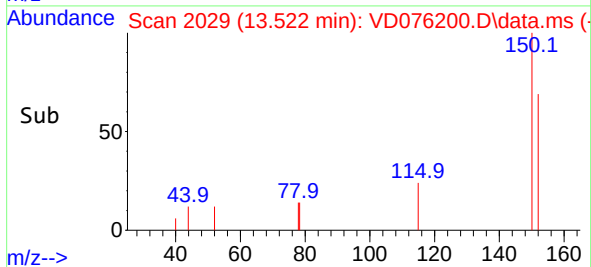
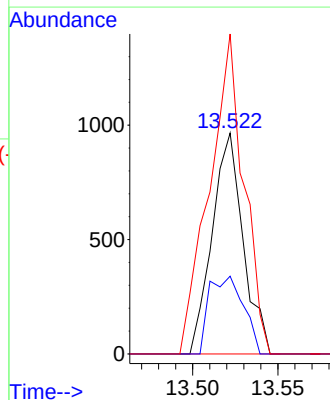
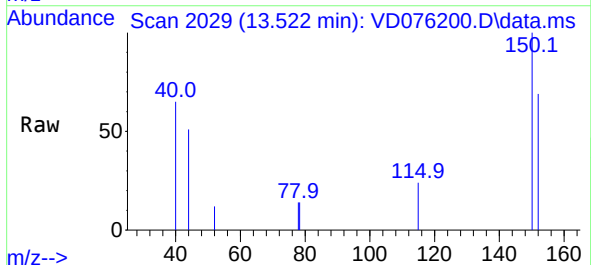
Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

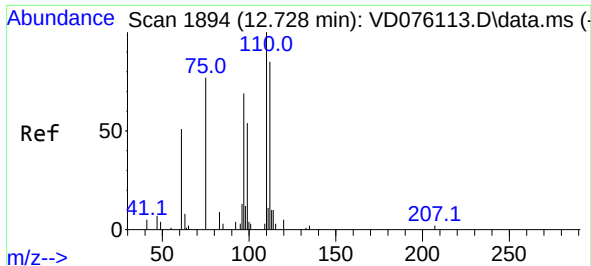
Tgt Ion:117 Resp: 7347
Ion Ratio Lower Upper
117 100
82 68.9 44.0 66.0#
119 33.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Tgt Ion:152 Resp: 1222
Ion Ratio Lower Upper
152 100
115 39.0 30.1 90.3
150 161.3 0.0 364.8

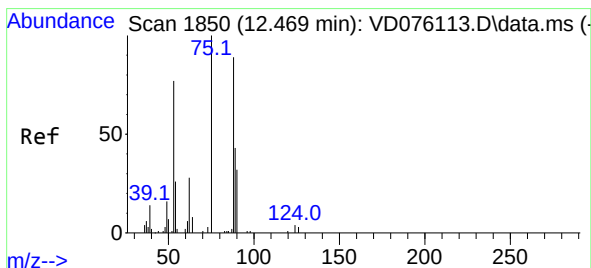
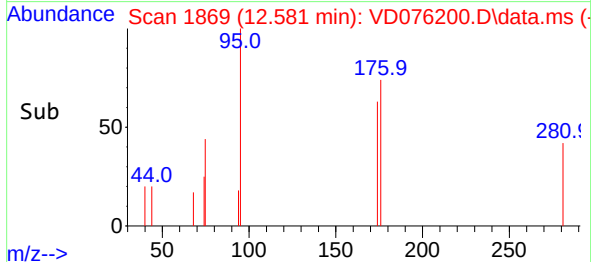
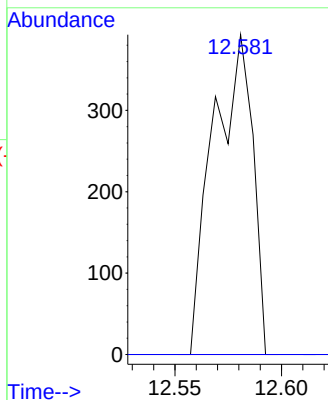
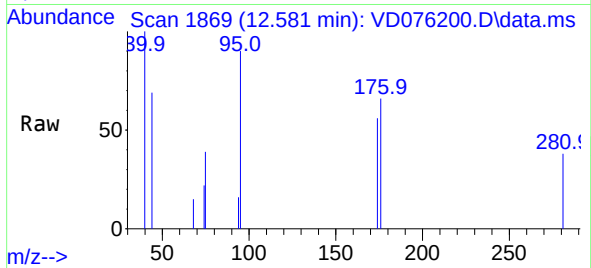




#76
1,2,3-Trichloropropane
Concen: 47.318 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. -0.147 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Instrument :
MSVOA_D
ClientSampleId :
SOIL-BIN

Tgt Ion: 75 Resp: 506
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 99.266 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.106 min
Lab File: VD076200.D
Acq: 23 May 2023 18:30

Tgt Ion: 75 Resp: 506
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

