

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120822\
 Data File : VN075651.D
 Acq On : 08 Dec 2022 16:32
 Operator : JC\MD
 Sample : N5879-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 09 02:09:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

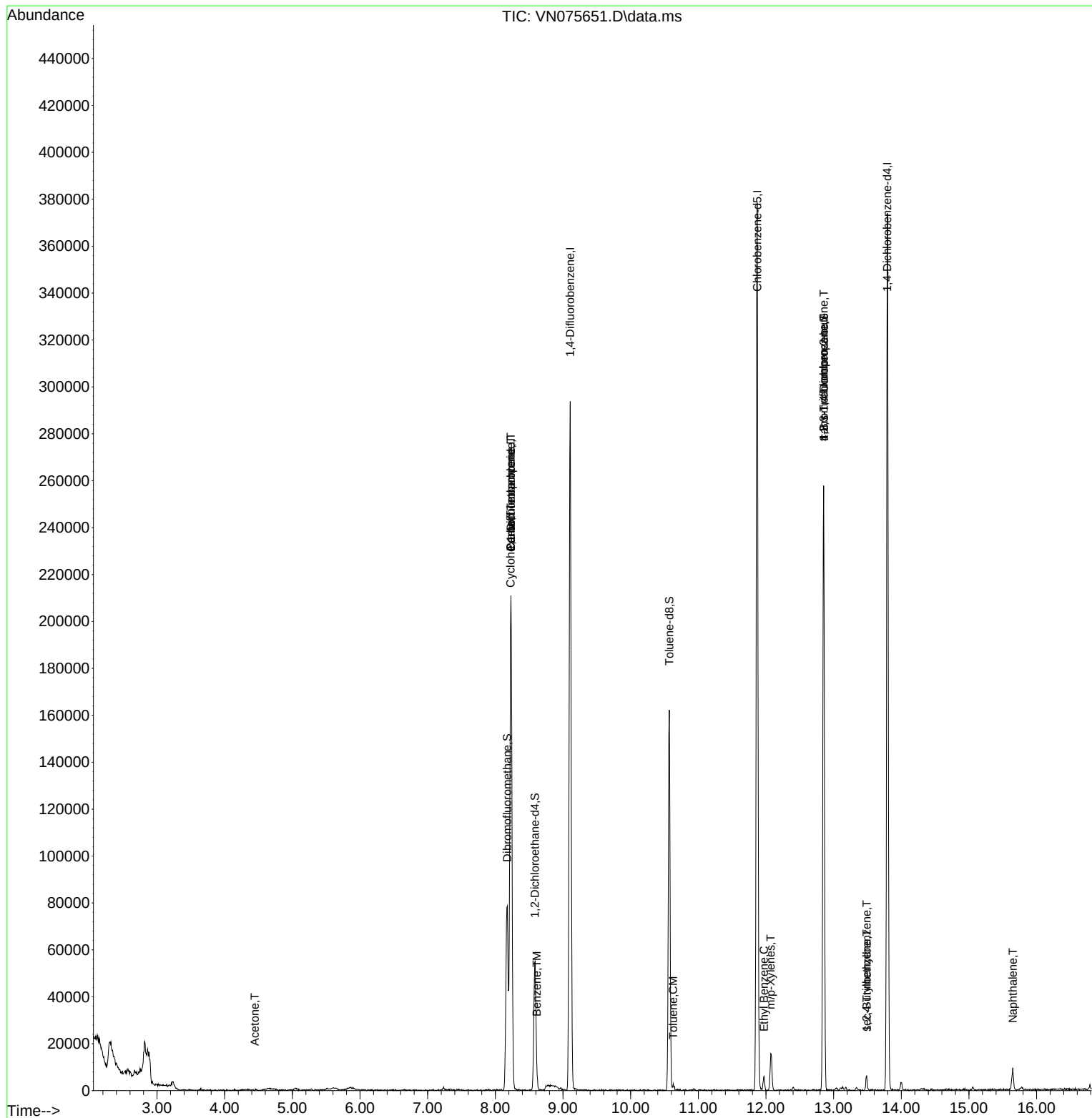
Internal Standards						
1) Pentafluorobenzene	8.230	168	168254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	273877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	234920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	44031	48.752	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.500%		
35) Dibromofluoromethane	8.177	113	58509	54.383	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.760%		
50) Toluene-d8	10.571	98	116908	48.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.500%		
62) 4-Bromofluorobenzene	12.853	95	85488	47.797	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.600%		
Target Compounds					Qvalue	
16) Acetone	4.448	43	422	0.501	ug/l #	43
18) Methyl Acetate	5.048	43	1737	Below Cal	#	55
20) Methylene Chloride	5.277	84	260	Below Cal	#	53
31) Cyclohexane	8.224	56	3158	1.101	ug/l #	27
36) 1,1-Dichloropropene	8.230	75	10957	4.670	ug/l #	50
38) Carbon Tetrachloride	8.230	117	16171	6.274	ug/l #	16
40) Benzene	8.612	78	2772	0.386	ug/l	98
52) Toluene	10.630	92	1101	0.238	ug/l	98
67) Ethyl Benzene	11.971	91	5134	0.620	ug/l	90
68) m/p-Xylenes	12.071	106	5922	1.762	ug/l	97
76) 1,2,3-Trichloropropane	12.853	75	43737	22.087	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	43737	65.349	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.488	105	4428	0.694	ug/l	88
85) sec-Butylbenzene	13.488	105	4428	0.563	ug/l #	56
95) Naphthalene	15.647	128	9051	1.609	ug/l	99

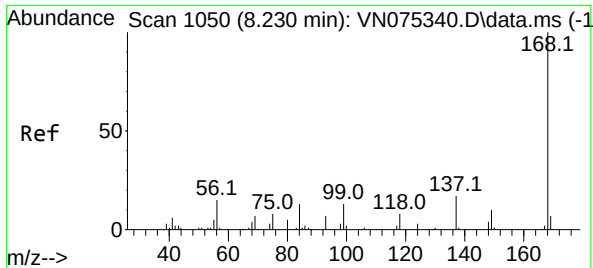
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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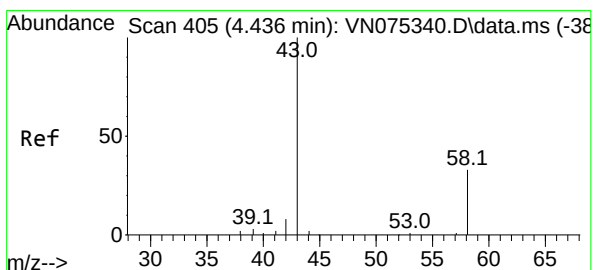
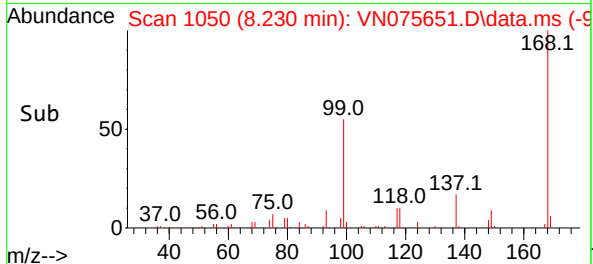
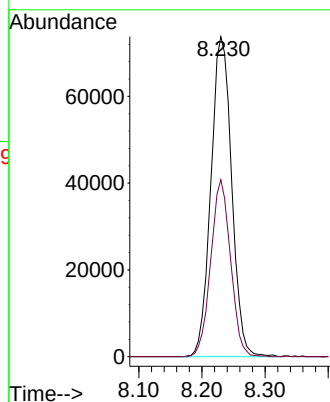
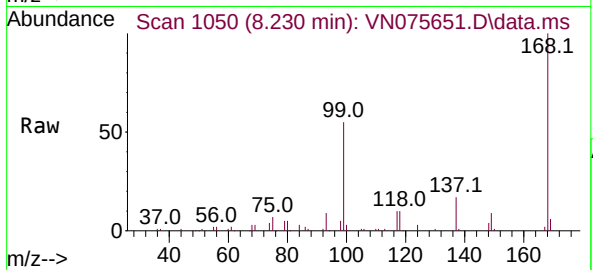




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

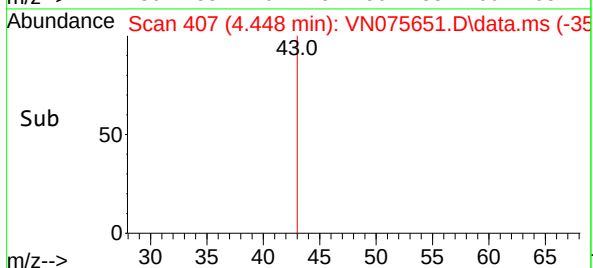
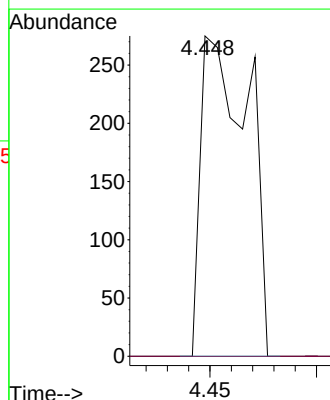
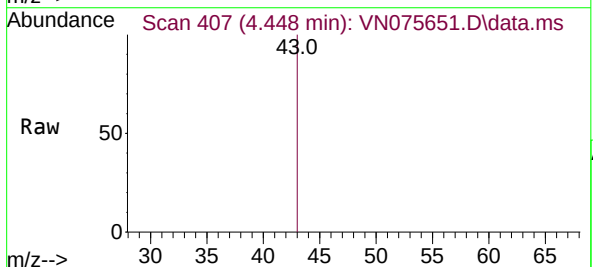
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

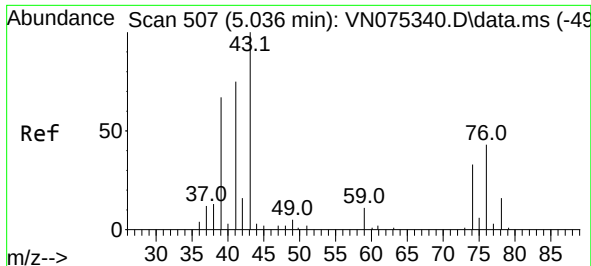
Tgt Ion:168 Resp: 168254
Ion Ratio Lower Upper
168 100
99 55.3 51.6 77.4



#16
Acetone
Concen: 0.501 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#

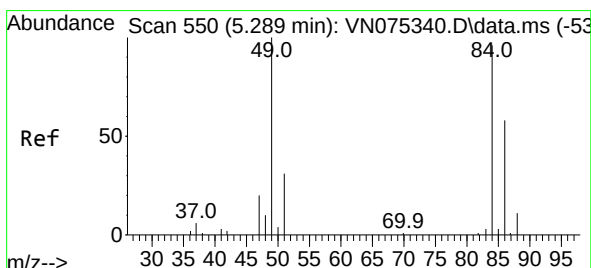
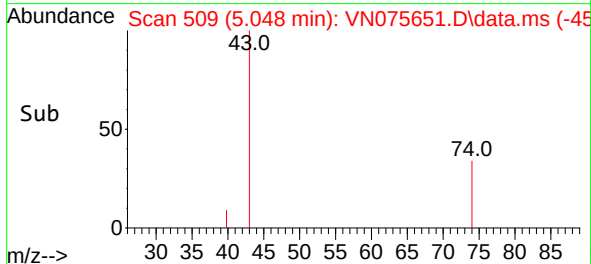
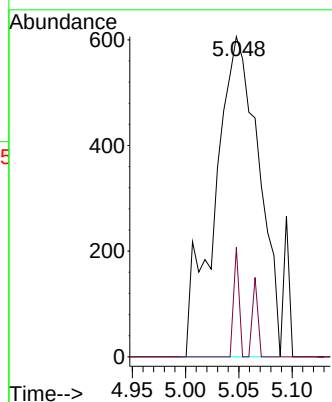
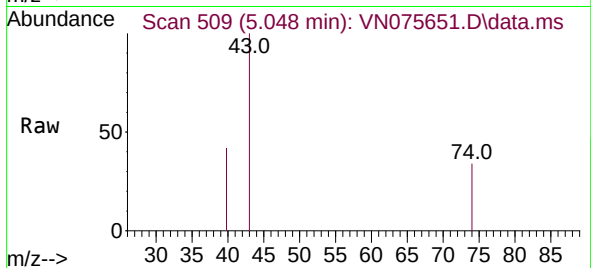




#18
Methyl Acetate
Concen: Below Cal
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

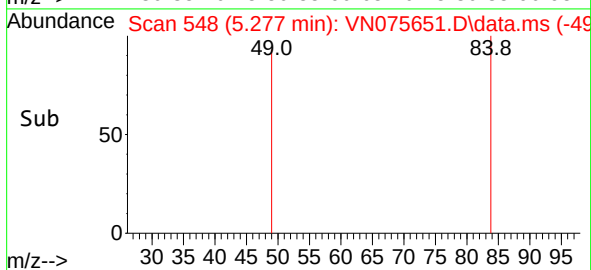
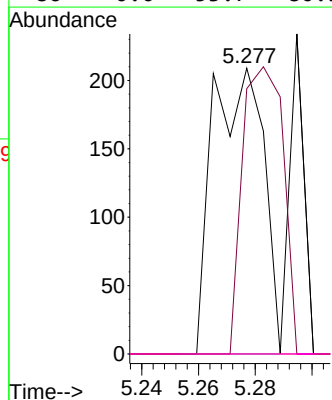
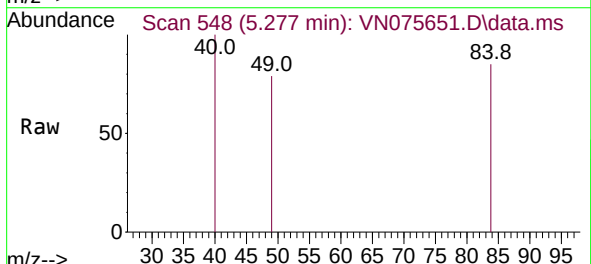
Instrument :
MSVOA_N
ClientSampleId :
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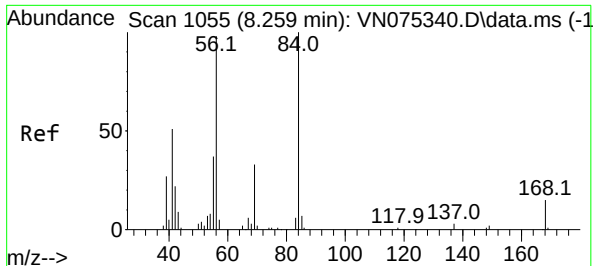
Tgt Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
74 4.2 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

Tgt Ion: 84 Resp: 260
Ion Ratio Lower Upper
84 100
49 92.8 94.9 142.3#
51 0.0 26.8 40.2#
86 0.0 53.7 80.5#

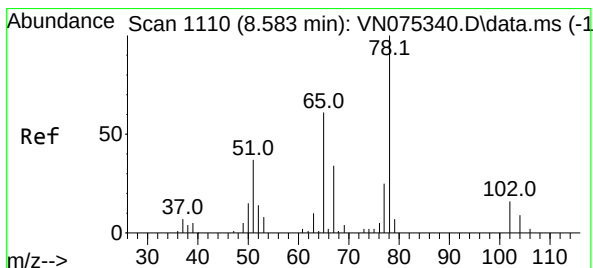
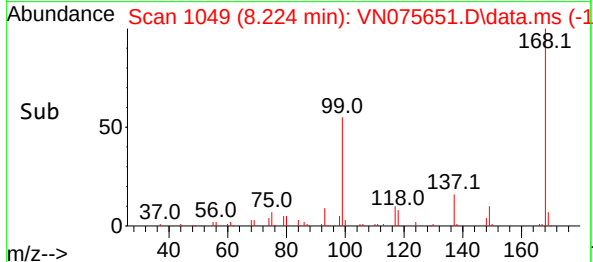
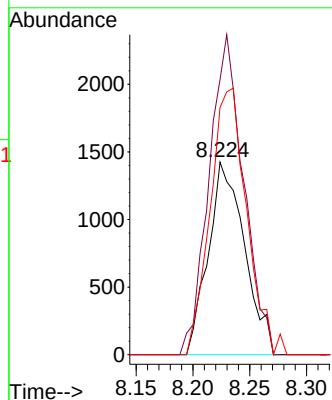
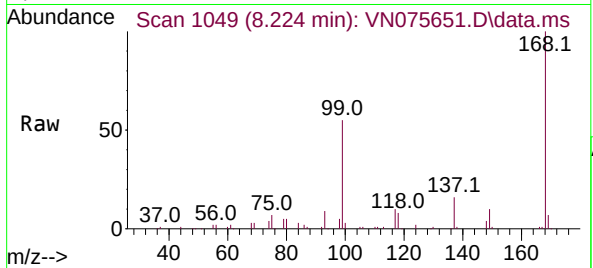




#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

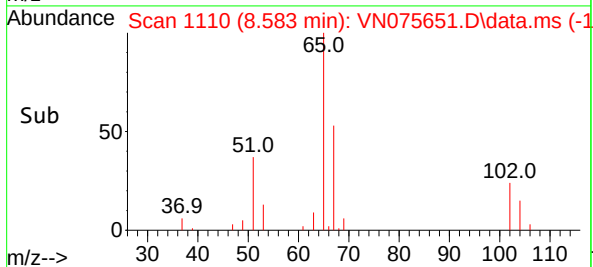
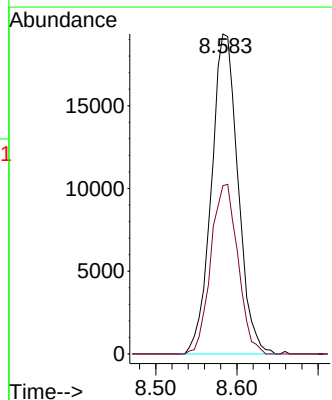
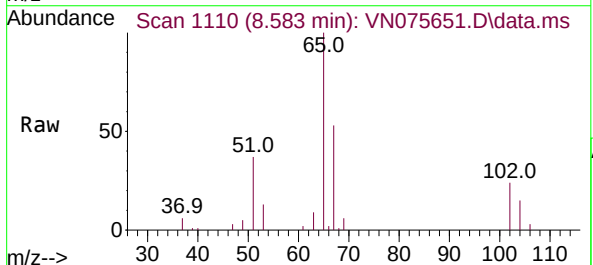
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

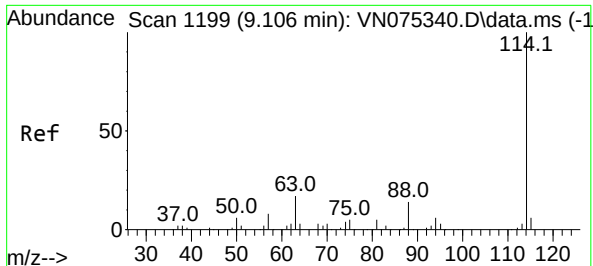
Tgt Ion: 56 Resp: 3158
Ion Ratio Lower Upper
56 100
69 142.9 25.2 37.8#
84 128.4 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 48.752 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

Tgt Ion: 65 Resp: 44031
Ion Ratio Lower Upper
65 100
67 53.8 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075651.D

Acq: 08 Dec 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

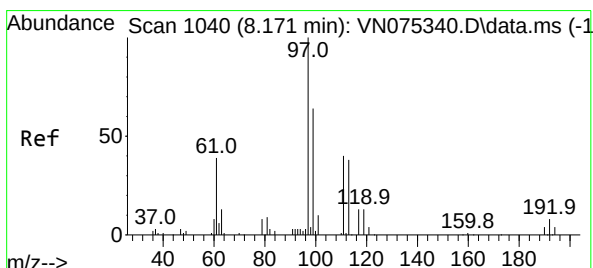
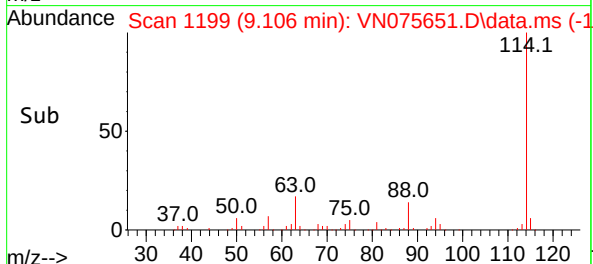
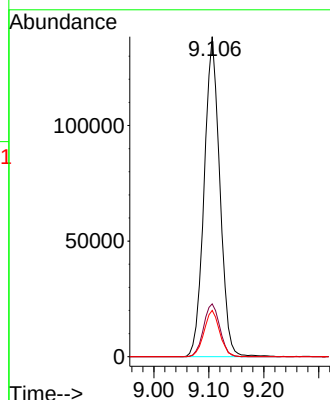
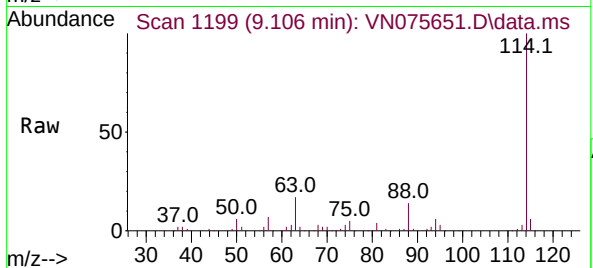
Tgt Ion:114 Resp: 273877

Ion Ratio Lower Upper

114 100

63 16.5 0.0 39.6

88 14.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 54.383 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075651.D

Acq: 08 Dec 2022 16:32

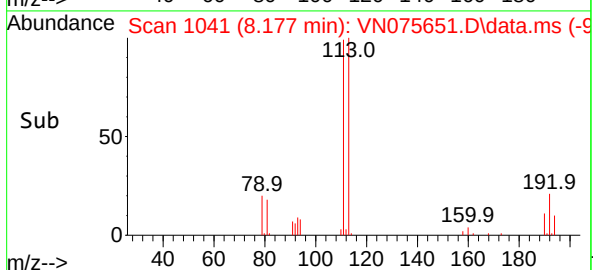
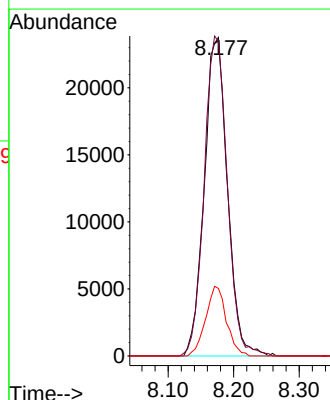
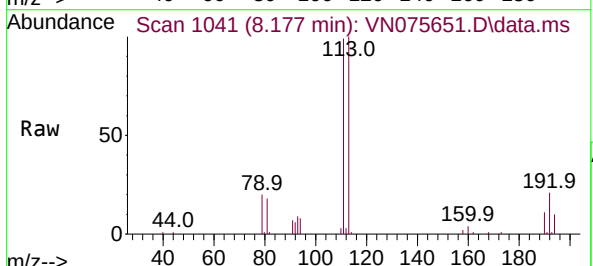
Tgt Ion:113 Resp: 58509

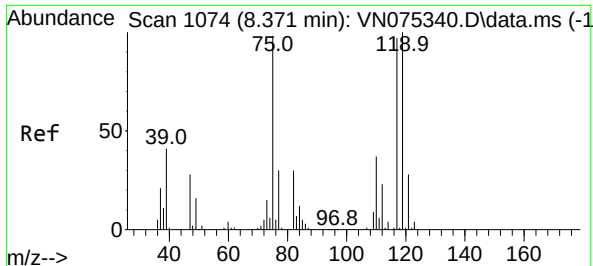
Ion Ratio Lower Upper

113 100

111 100.0 80.5 120.7

192 19.5 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075651.D

Acq: 08 Dec 2022 16:32

Instrument :

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ClientSampleId :

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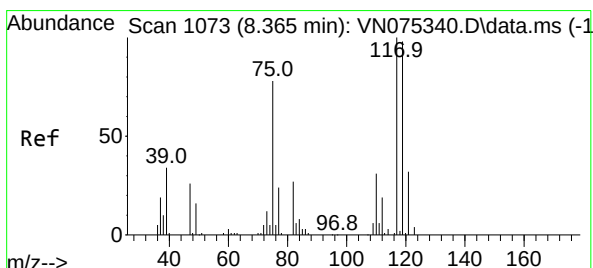
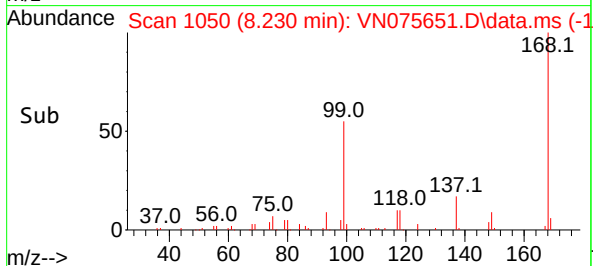
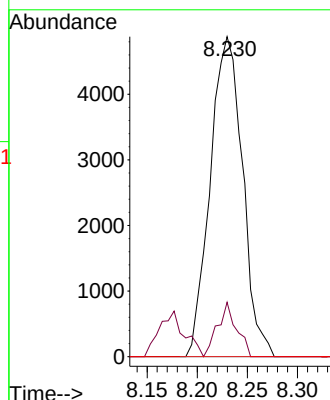
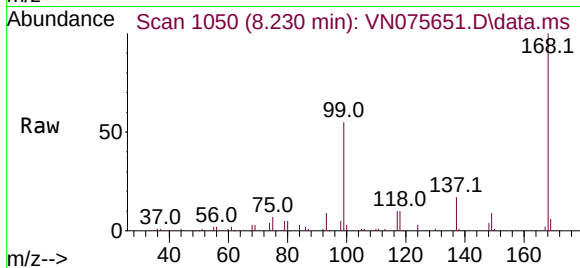
Tgt Ion: 75 Resp: 10957

Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.274 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075651.D

Acq: 08 Dec 2022 16:32

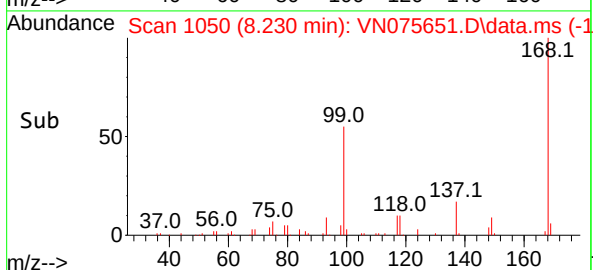
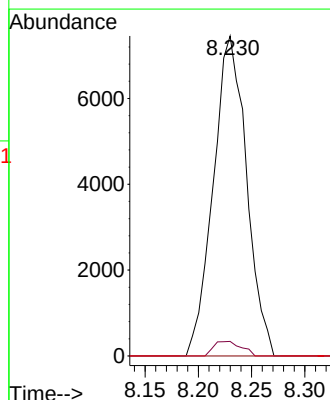
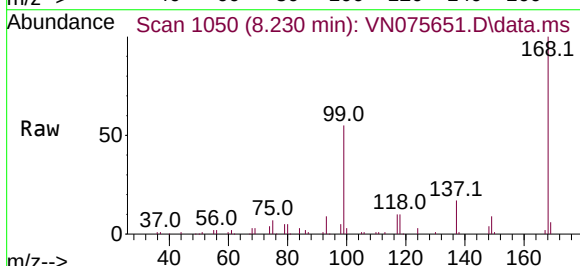
Tgt Ion: 117 Resp: 16171

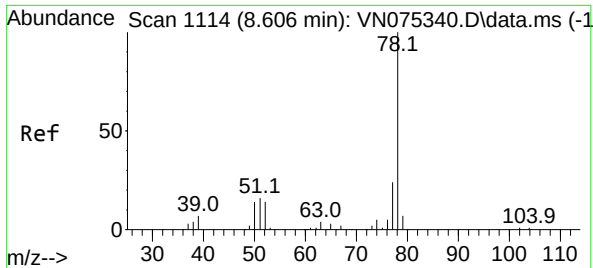
Ion Ratio Lower Upper

117 100

119 4.5 76.7 115.1#

121 0.0 23.9 35.9#

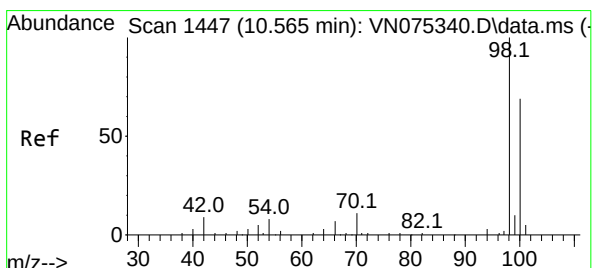
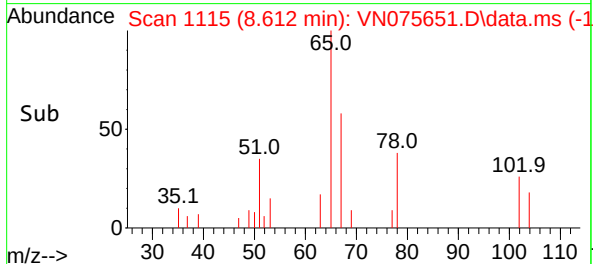
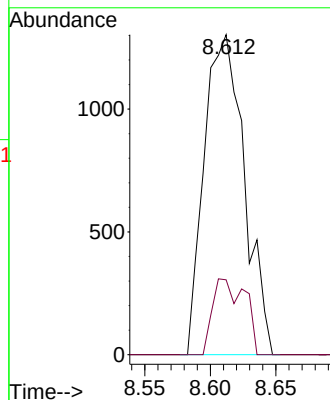
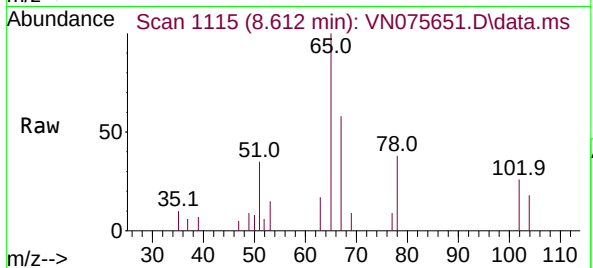




#40
Benzene
Concen: 0.386 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

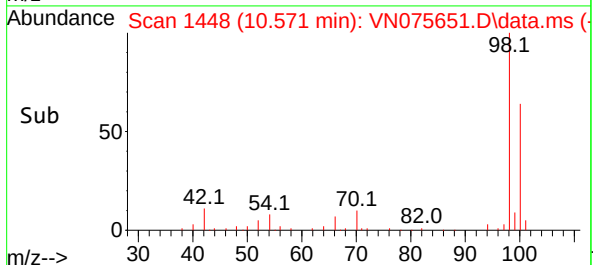
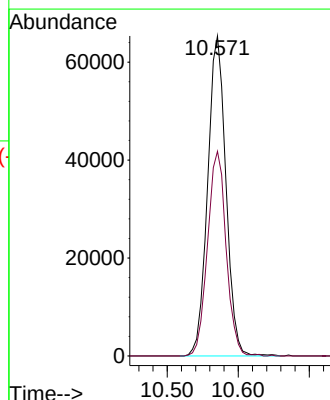
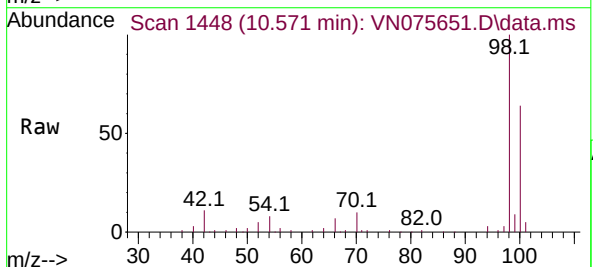
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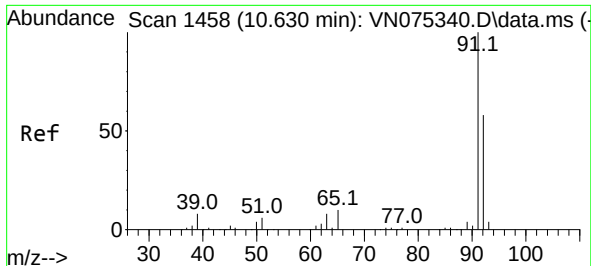
Tgt Ion: 78 Resp: 2772
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0



#50
Toluene-d8
Concen: 48.246 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

Tgt Ion: 98 Resp: 116908
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6

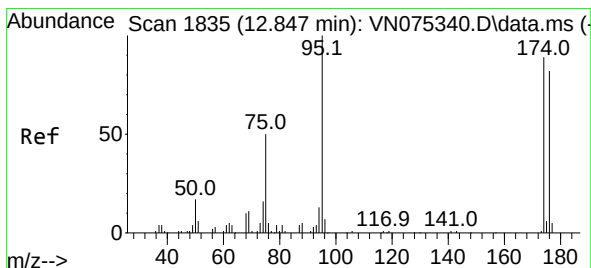
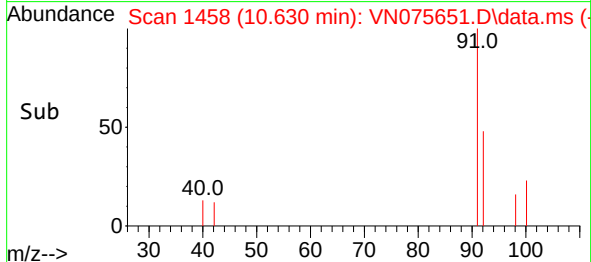
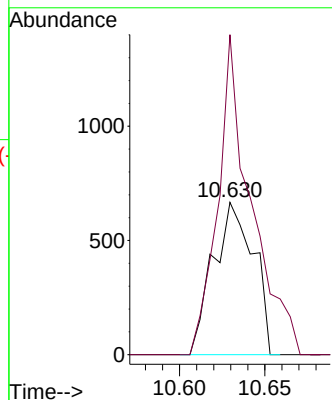
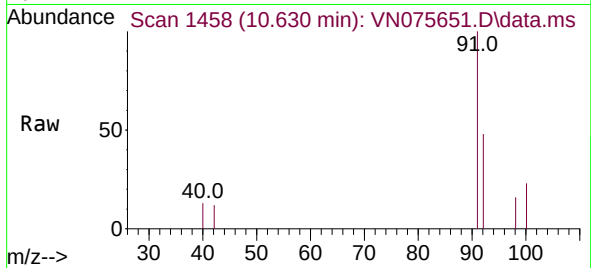




#52
Toluene
Concen: 0.238 ug/l
RT: 10.630 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

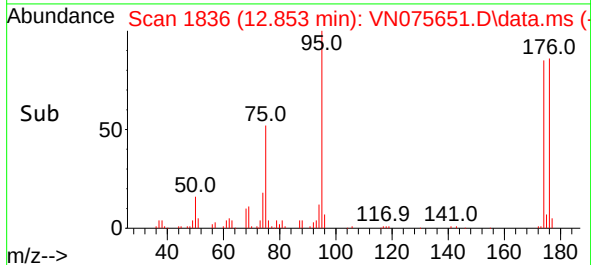
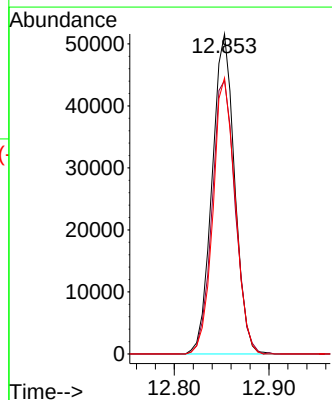
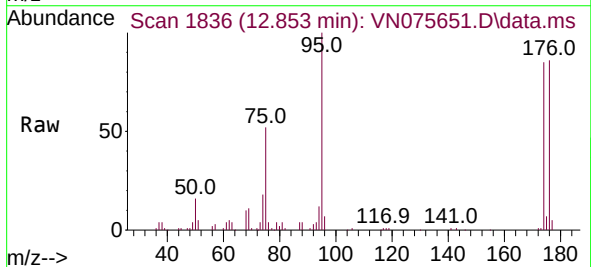
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

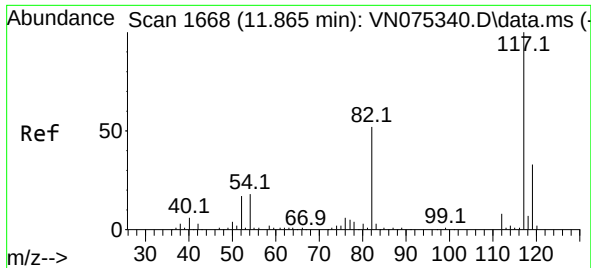
Tgt Ion: 92 Resp: 1101
Ion Ratio Lower Upper
92 100
91 172.6 135.4 203.2



#62
4-Bromofluorobenzene
Concen: 47.797 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

Tgt Ion: 95 Resp: 85488
Ion Ratio Lower Upper
95 100
174 87.5 0.0 147.4
176 84.7 0.0 142.2

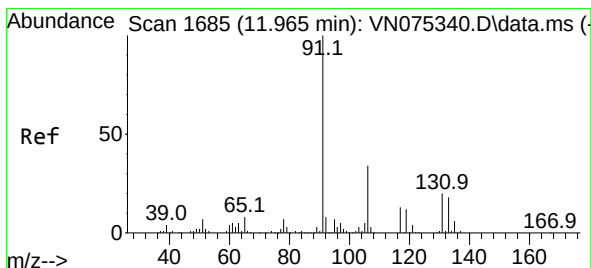
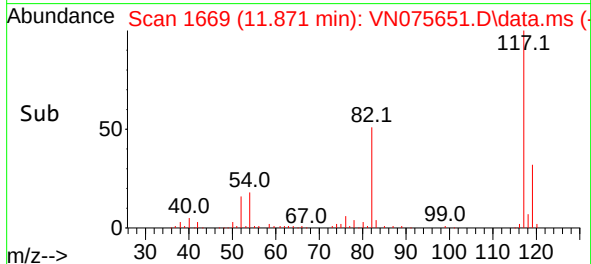
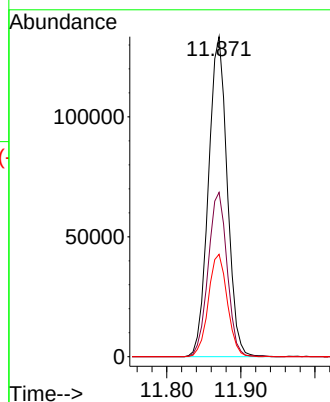
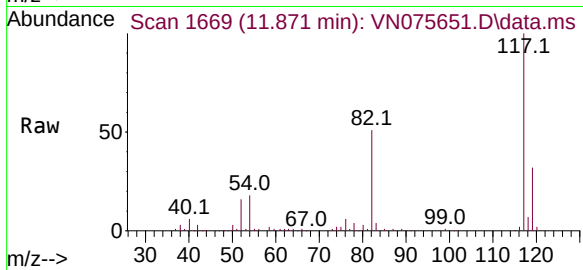




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1668
Delta R.T. 0.006 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

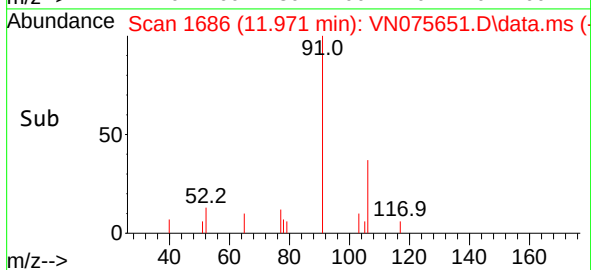
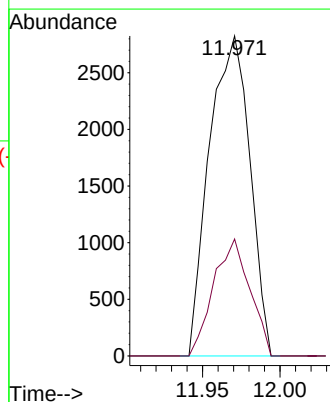
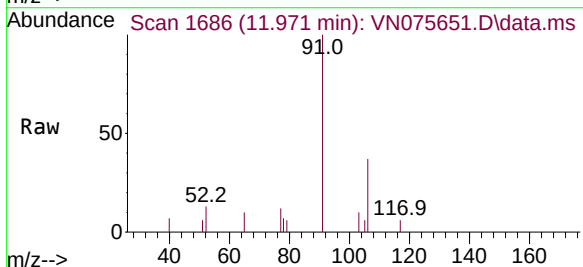
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

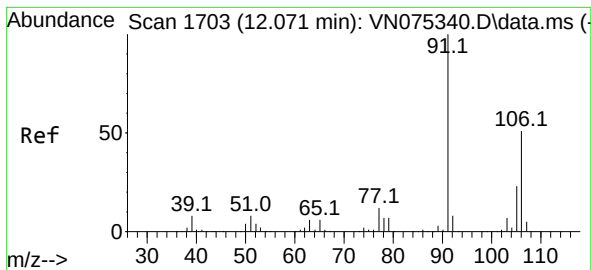
Tgt Ion:117 Resp: 234920
Ion Ratio Lower Upper
117 100
82 51.4 43.1 64.7
119 32.0 25.5 38.3



#67
Ethyl Benzene
Concen: 0.620 ug/l
RT: 11.971 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

Tgt Ion: 91 Resp: 5134
Ion Ratio Lower Upper
91 100
106 36.5 24.9 37.3

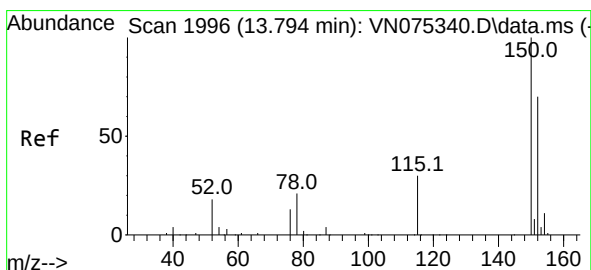
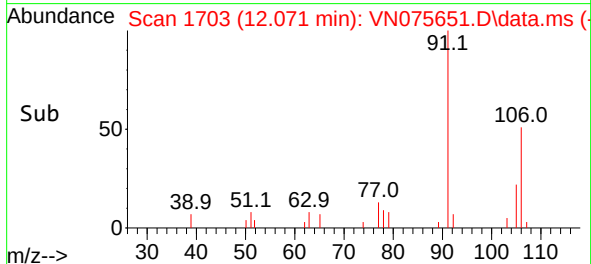
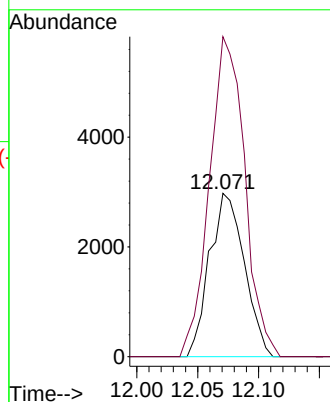
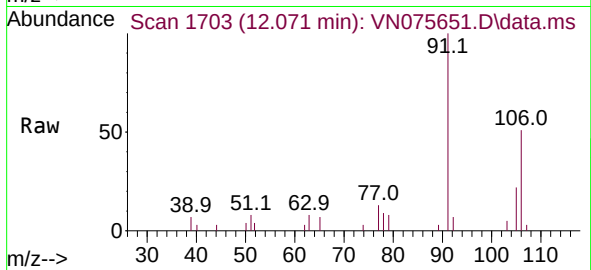




#68
m/p-Xylenes
Concen: 1.762 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

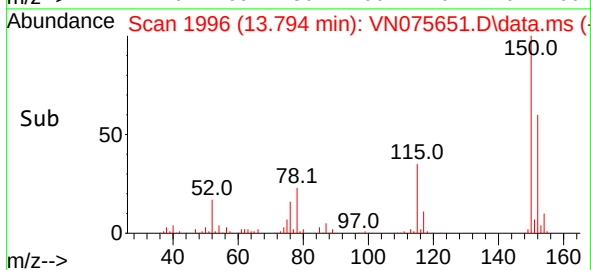
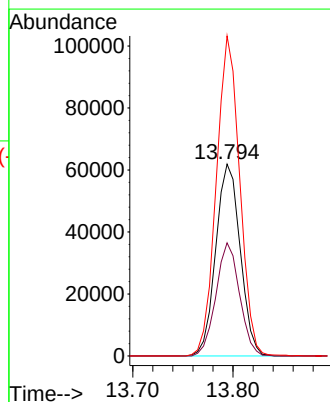
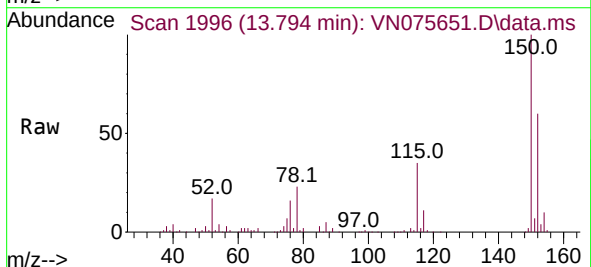
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

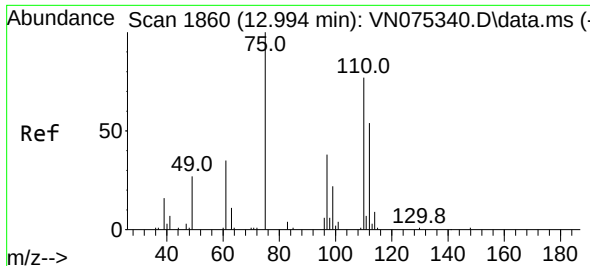
Tgt Ion:106 Resp: 5922
Ion Ratio Lower Upper
106 100
91 198.8 156.0 234.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

Tgt Ion:152 Resp: 104734
Ion Ratio Lower Upper
152 100
115 57.0 30.2 90.6
150 159.7 0.0 348.4

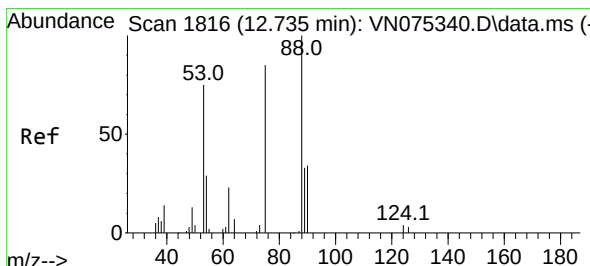
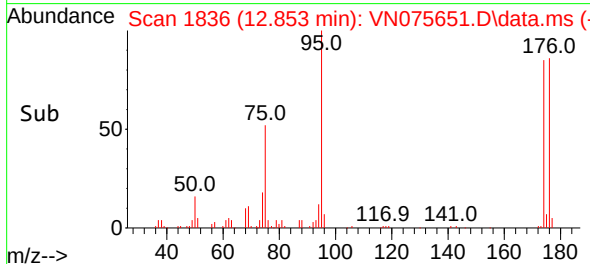
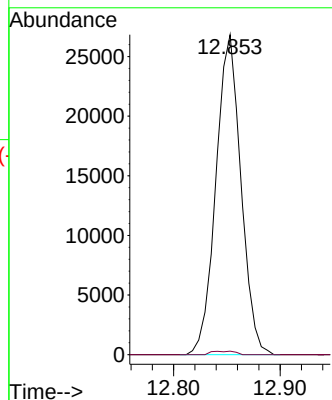
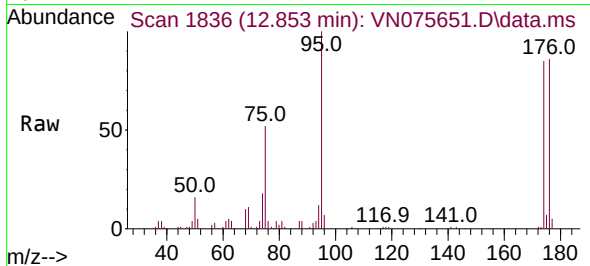




#76
1,2,3-Trichloropropane
Concen: 22.087 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

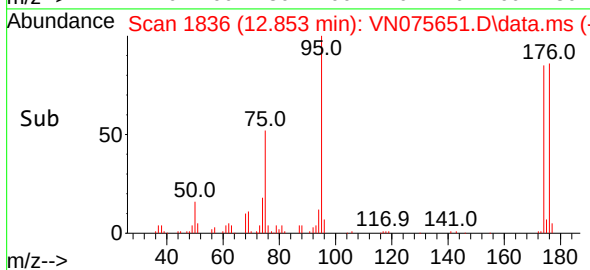
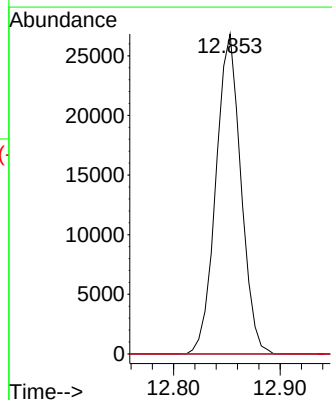
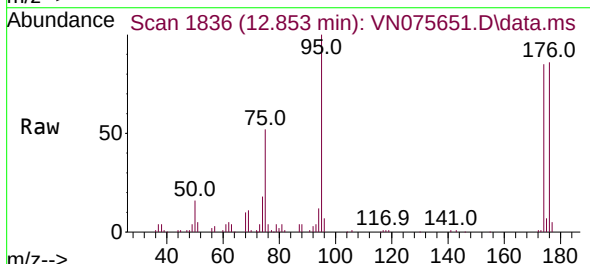
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SOIL-REF-6

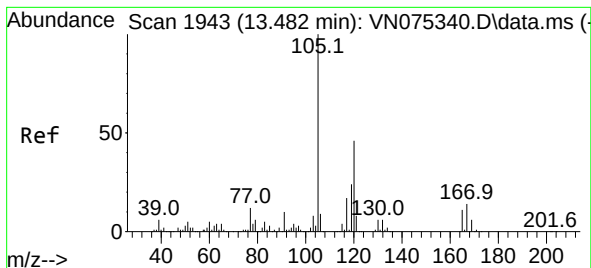
Tgt Ion: 75 Resp: 43737
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.349 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075651.D
Acq: 08 Dec 2022 16:32

Tgt Ion: 75 Resp: 43737
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.694 ug/l

RT: 13.488 min Scan# 1944

Delta R.T. 0.006 min

Lab File: VN075651.D

Acq: 08 Dec 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

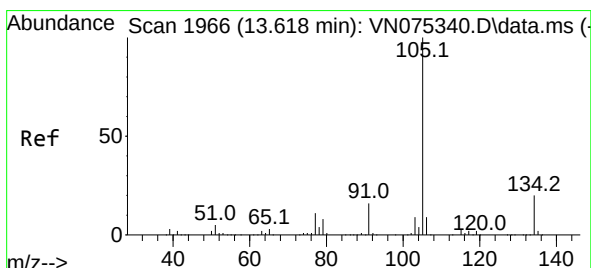
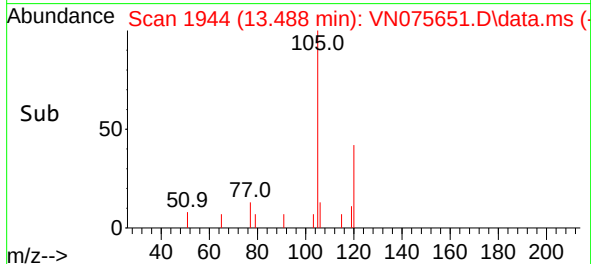
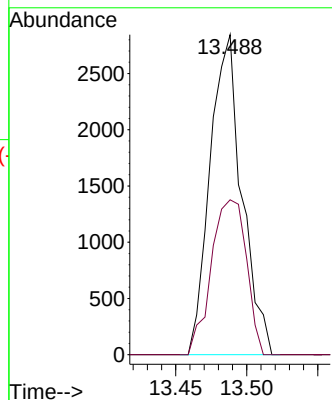
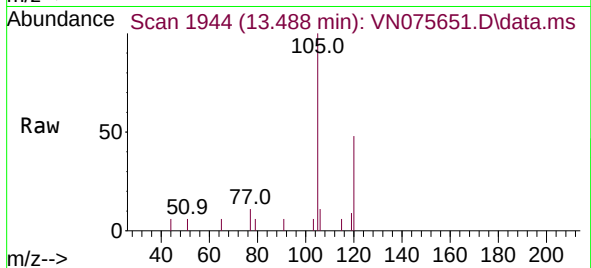
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:105 Resp: 4428

Ion Ratio Lower Upper

105 100

120 53.4 22.7 68.1



#85

sec-Butylbenzene

Concen: 0.563 ug/l

RT: 13.488 min Scan# 1944

Delta R.T. -0.130 min

Lab File: VN075651.D

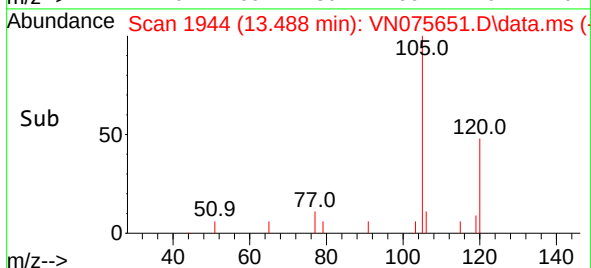
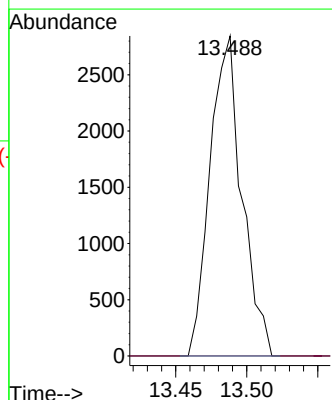
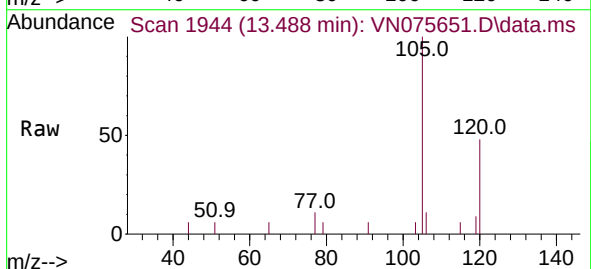
Acq: 08 Dec 2022 16:32

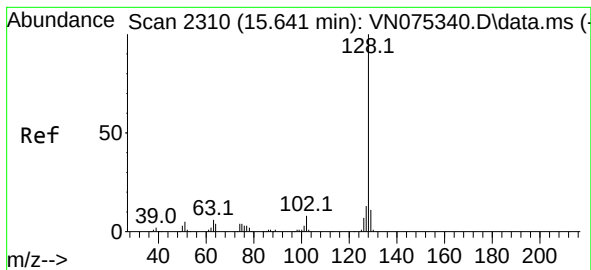
Tgt Ion:105 Resp: 4428

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#





#95

Naphthalene

Concen: 1.609 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075651.D

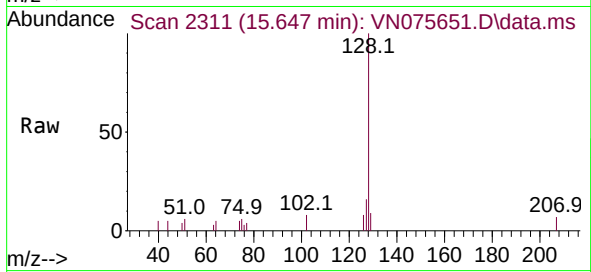
Acq: 08 Dec 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6



Tgt Ion:128 Resp: 9051

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 10.4 8.6 12.8

