

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075915.D
 Acq On : 21 Dec 2022 13:29
 Operator : JC\MD
 Sample : N6067-01ME
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SOIL-20221214

Quant Time: Dec 21 14:16:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

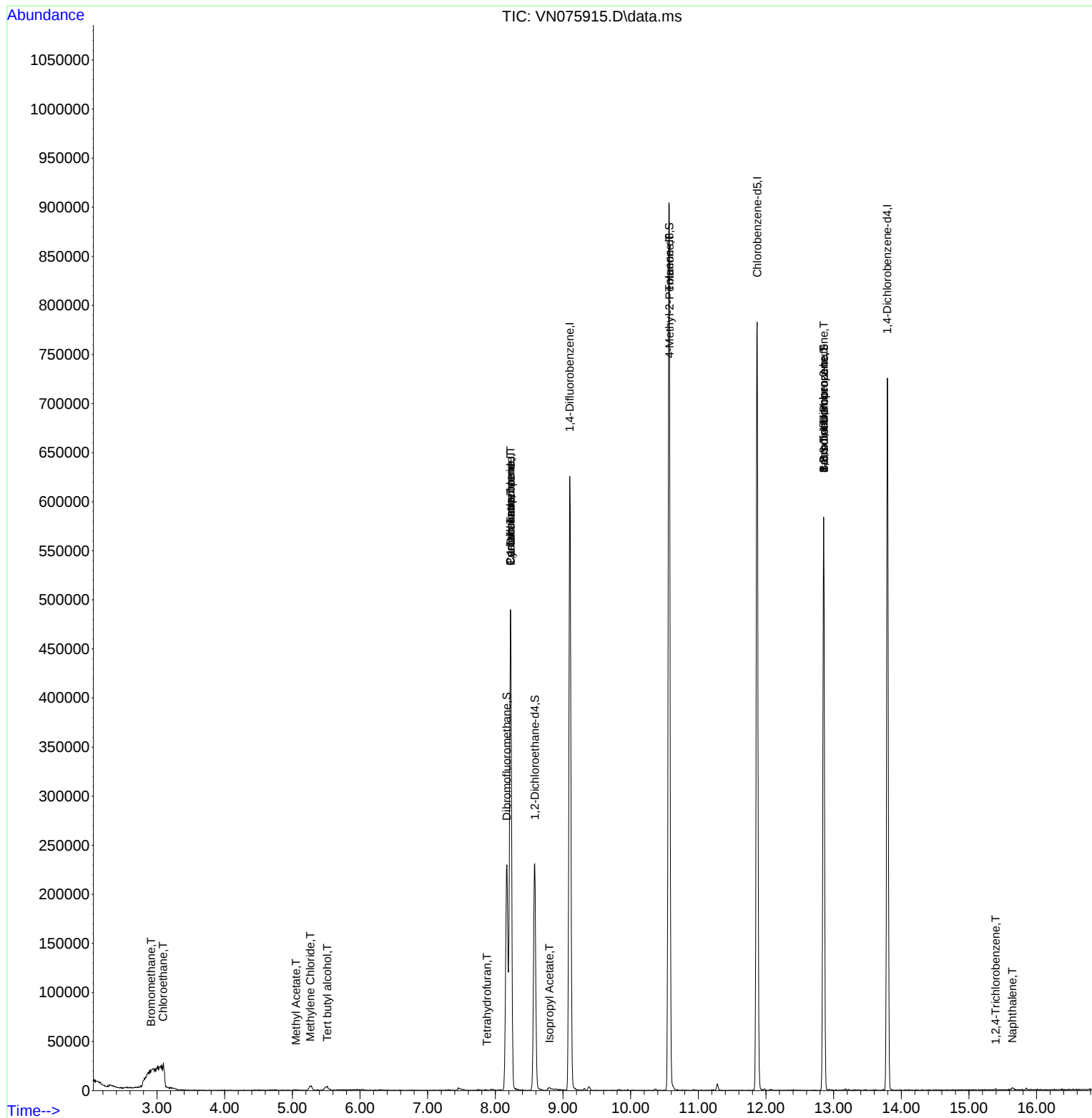
Internal Standards						
1) Pentafluorobenzene	8.224	168	374688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	585118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	491065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	203567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	186775	45.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.640%		
35) Dibromofluoromethane	8.171	113	165793	45.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.500%		
50) Toluene-d8	10.571	98	667617	49.278	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.560%		
62) 4-Bromofluorobenzene	12.853	95	196615	43.816	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.640%		
Target Compounds					Qvalue	
5) Bromomethane	2.912	94	679	0.202	ug/l #	73
6) Chloroethane	3.089	64	3670	1.256	ug/l #	44
11) Tert butyl alcohol	5.518	59	3881	6.729	ug/l #	72
18) Methyl Acetate	5.053	43	929	0.224	ug/l #	60
20) Methylene Chloride	5.265	84	4048	0.442	ug/l	86
29) Tetrahydrofuran	7.877	42	281	0.228	ug/l #	75
31) Cyclohexane	8.224	56	7073	1.212	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	26181	5.439	ug/l #	48
38) Carbon Tetrachloride	8.224	117	36484	6.772	ug/l #	16
43) Isopropyl Acetate	8.800	43	2310	0.362	ug/l #	50
51) 4-Methyl-2-Pentanone	10.577	43	2573	0.667	ug/l #	1
71) Bromoform	12.853	173	1718	0.632	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	98542	24.015	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	98542	86.441	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.394	180	673	0.201	ug/l #	72
95) Naphthalene	15.641	128	2868	2.425	ug/l #	90

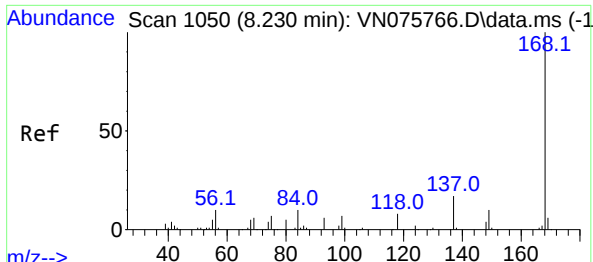
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 14:16:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1 Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.006 min

Lab File: VN075915.D

Acq: 21 Dec 2022 13:29

Instrument :

MSVOA_N

ClientSampleId :

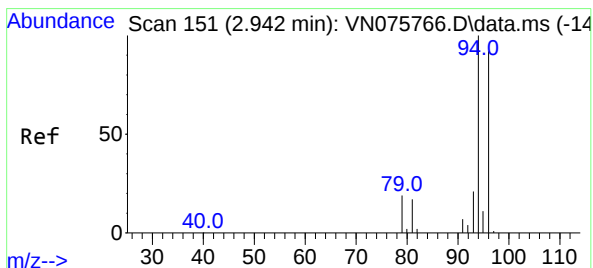
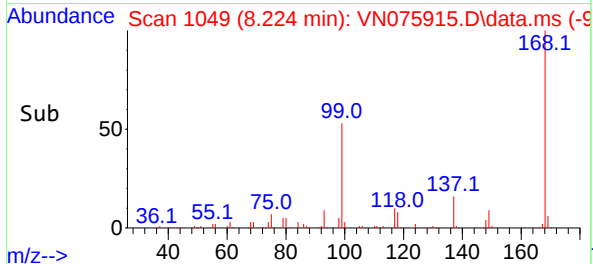
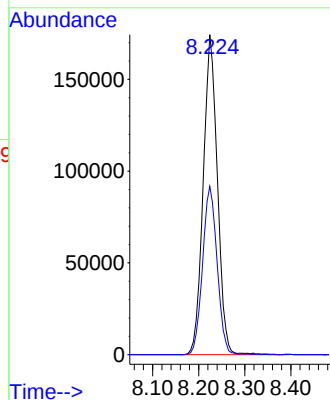
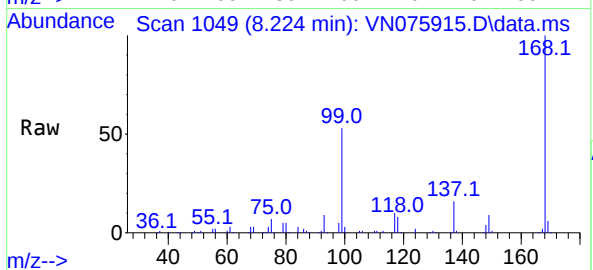
WC-SOIL-20221214

Tgt Ion:168 Resp: 374688

Ion Ratio Lower Upper

168 100

99 52.6 44.2 66.4



#5

Bromomethane

Concen: 0.202 ug/l

RT: 2.912 min Scan# 146

Delta R.T. -0.029 min

Lab File: VN075915.D

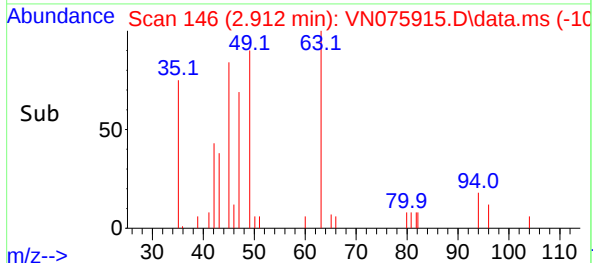
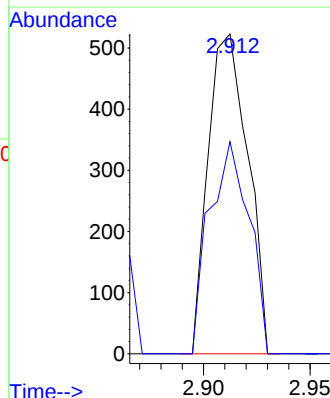
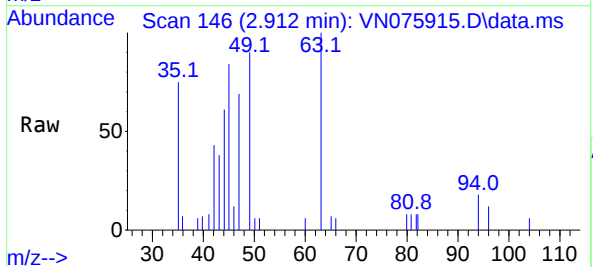
Acq: 21 Dec 2022 13:29

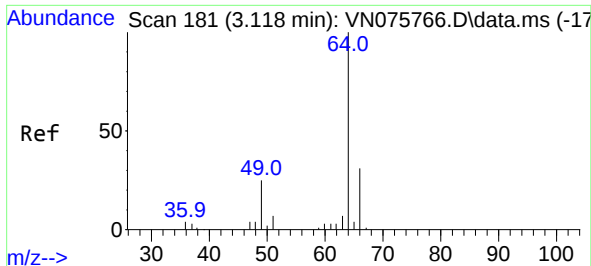
Tgt Ion: 94 Resp: 679

Ion Ratio Lower Upper

94 100

96 66.3 73.8 110.6#

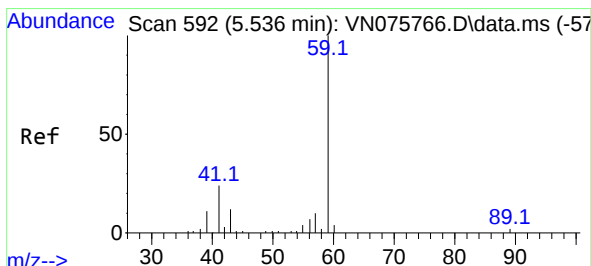
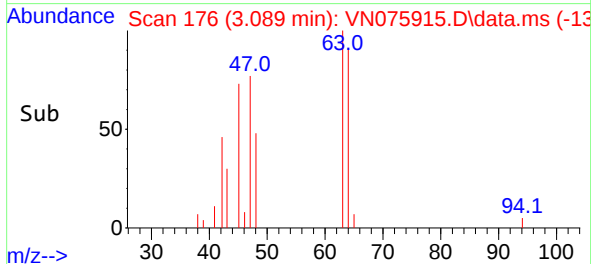
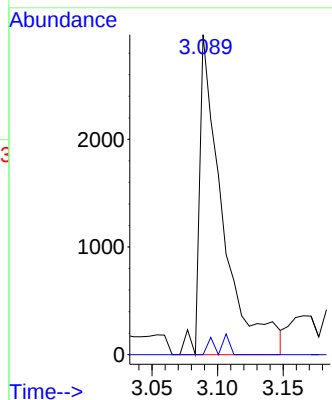
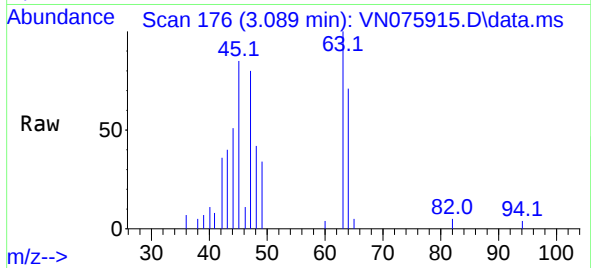




#6
Chloroethane
Concen: 1.256 ug/l
RT: 3.089 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

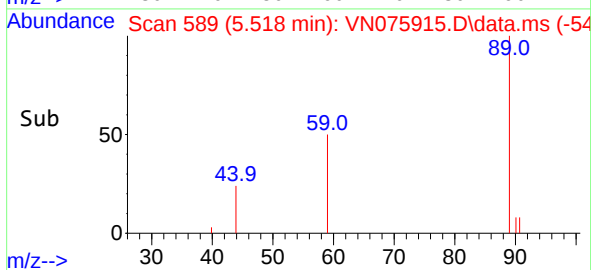
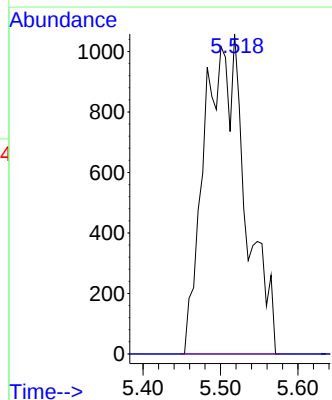
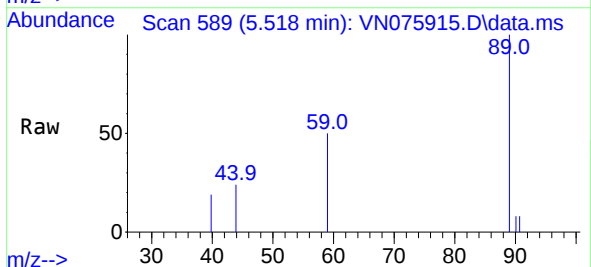
Instrument :
MSVOA_N
ClientSampleId :
WC-SOIL-20221214

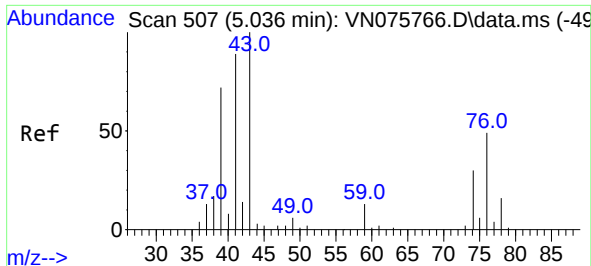
Tgt Ion: 64 Resp: 3670
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#11
Tert butyl alcohol
Concen: 6.729 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.018 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Tgt Ion: 59 Resp: 3881
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

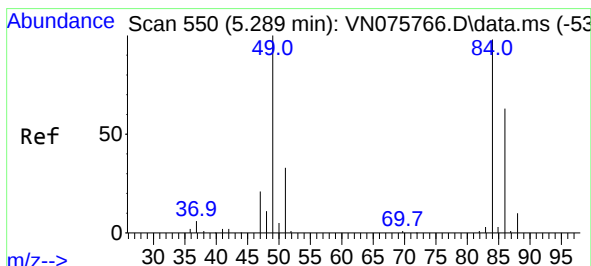
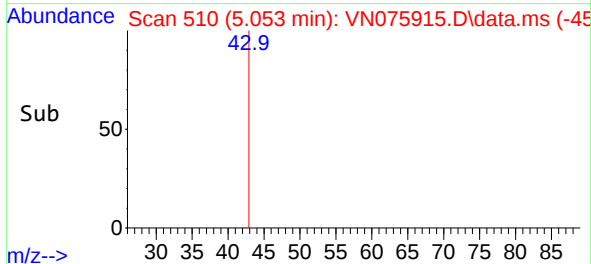
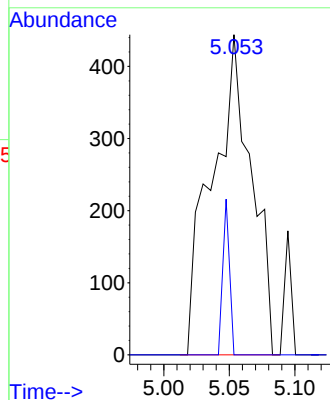
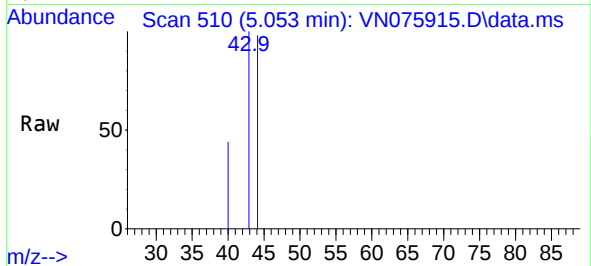




#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

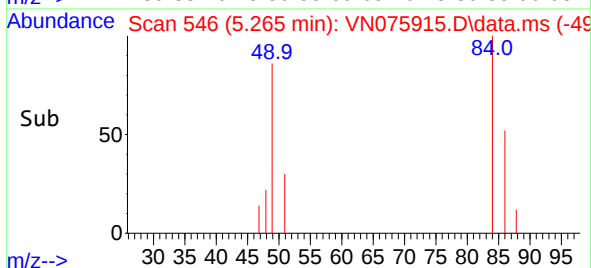
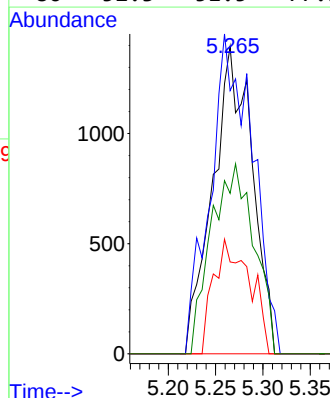
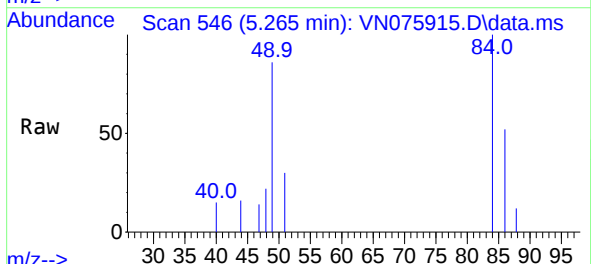
Instrument :
MSVOA_N
ClientSampleId :
WC-SOIL-20221214

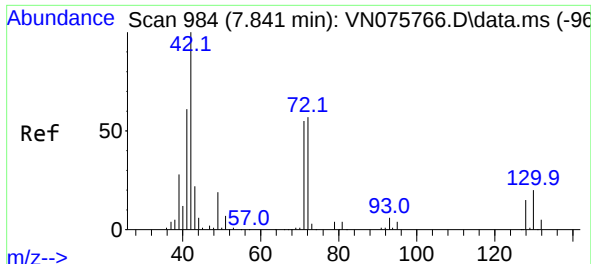
Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
74 8.2 23.6 35.4#



#20
Methylene Chloride
Concen: 0.442 ug/l
RT: 5.265 min Scan# 546
Delta R.T. -0.024 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Tgt Ion: 84 Resp: 4048
Ion Ratio Lower Upper
84 100
49 85.7 81.8 122.6
51 29.9 26.7 40.1
86 52.3 51.5 77.3





#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 7.877 min Scan# 91

Delta R.T. 0.035 min

Lab File: VN075915.D

Acq: 21 Dec 2022 13:29

Instrument :

MSVOA_N

ClientSampleId :

WC-SOIL-20221214

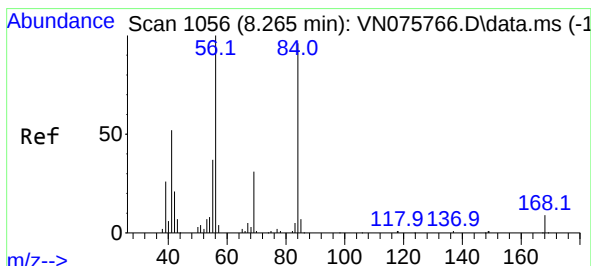
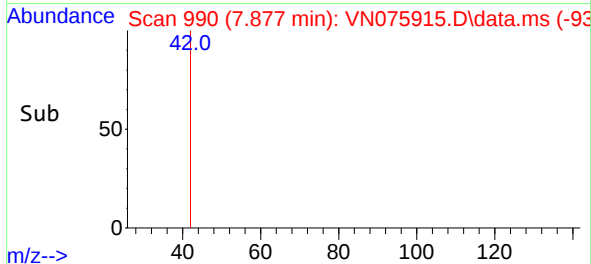
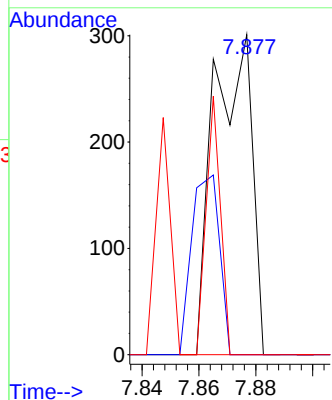
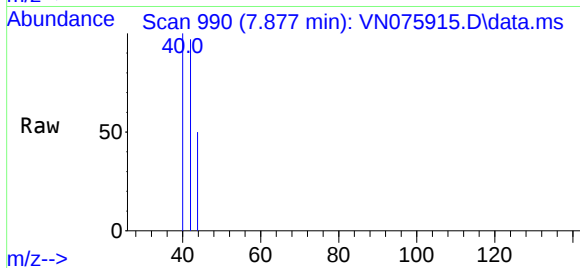
Tgt Ion: 42 Resp: 281

Ion Ratio Lower Upper

42 100

72 40.9 44.5 66.7#

71 30.6 41.0 61.6#



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN075915.D

Acq: 21 Dec 2022 13:29

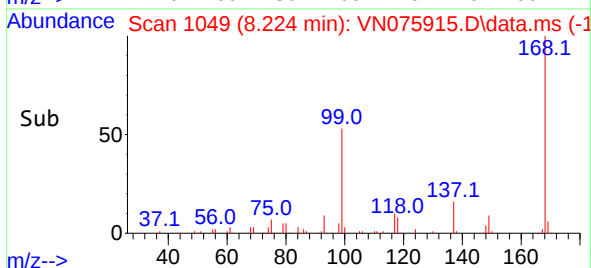
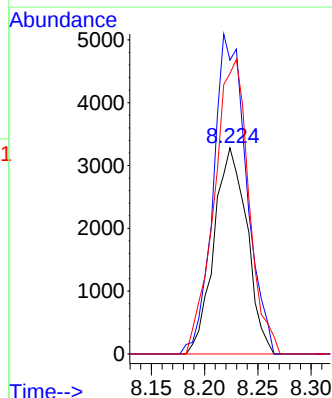
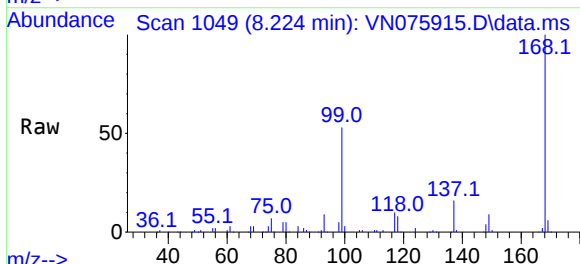
Tgt Ion: 56 Resp: 7073

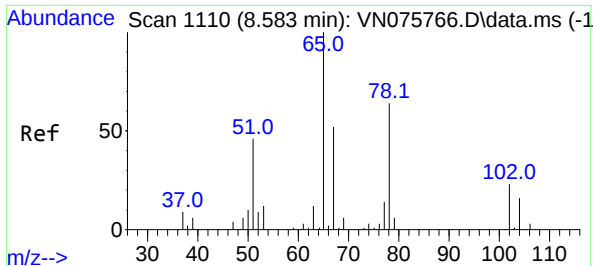
Ion Ratio Lower Upper

56 100

69 142.5 24.7 37.1#

84 136.1 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 45.820 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075915.D

Acq: 21 Dec 2022 13:29

Instrument :

MSVOA_N

ClientSampleId :

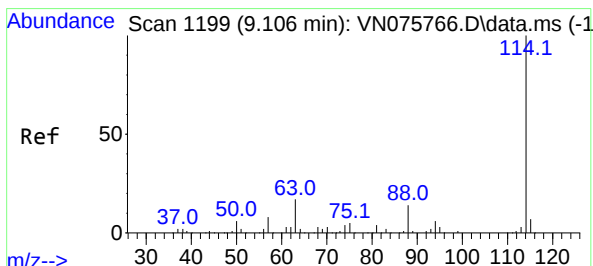
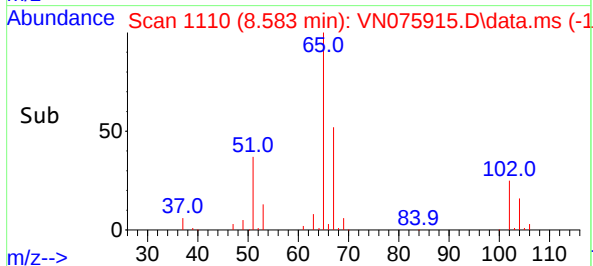
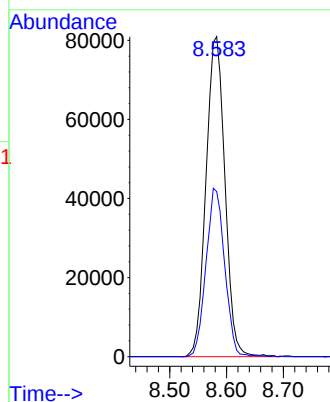
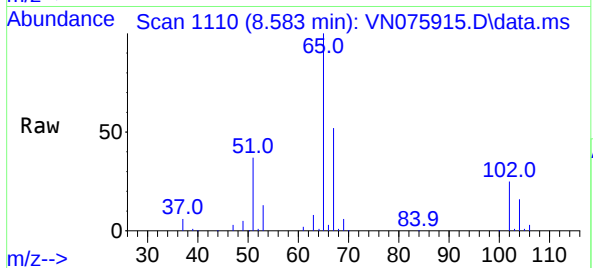
WC-SOIL-20221214

Tgt Ion: 65 Resp: 186775

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN075915.D

Acq: 21 Dec 2022 13:29

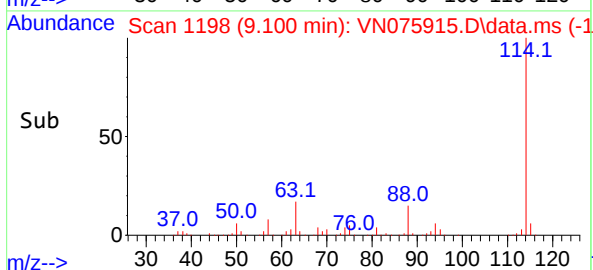
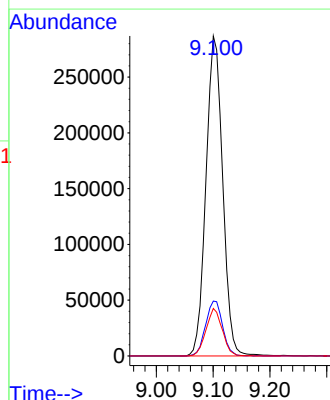
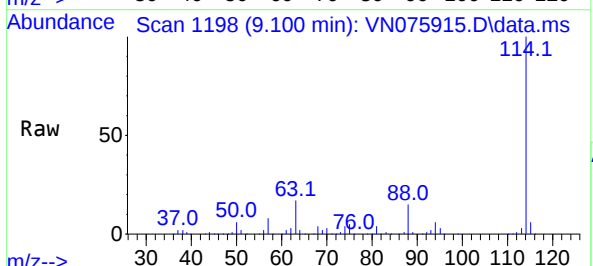
Tgt Ion: 114 Resp: 585118

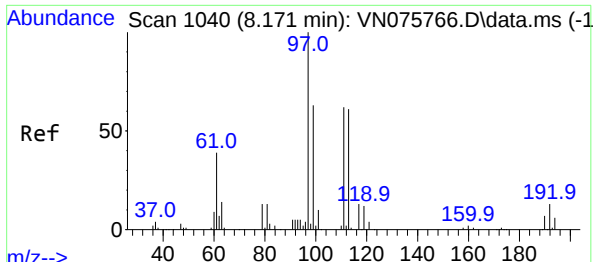
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.4

88 14.9 0.0 28.8

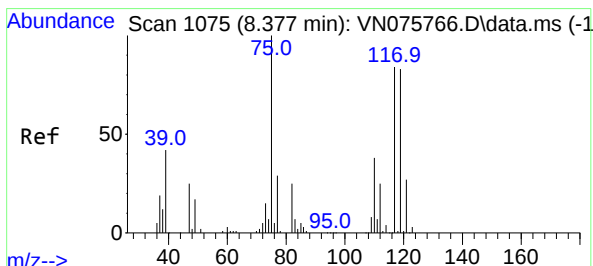
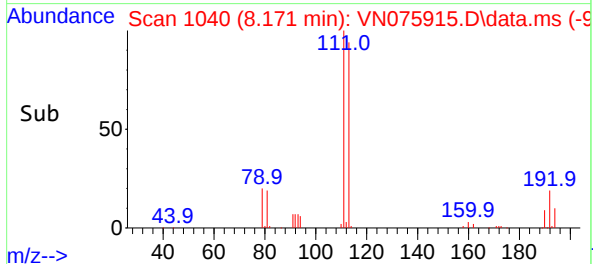
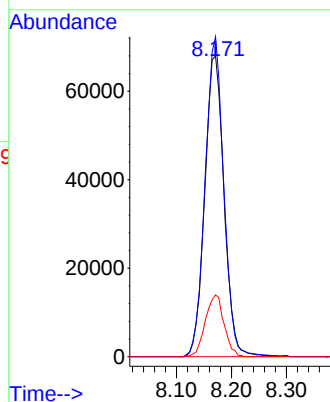
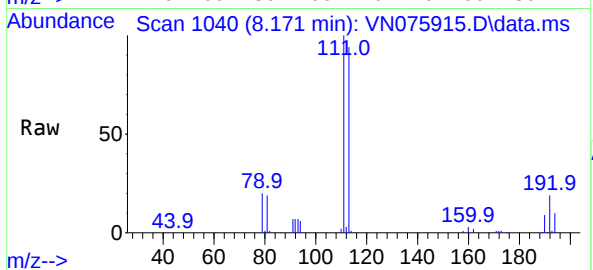




#35
Dibromofluoromethane
Concen: 45.754 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

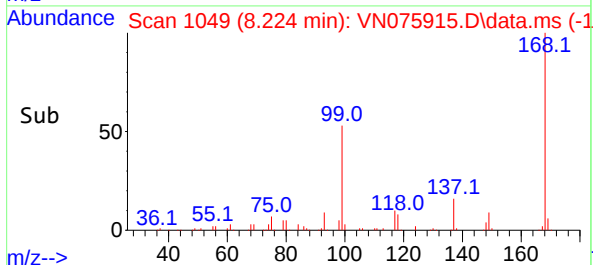
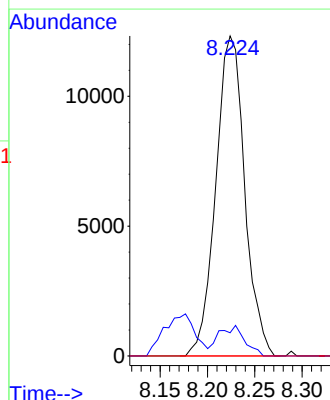
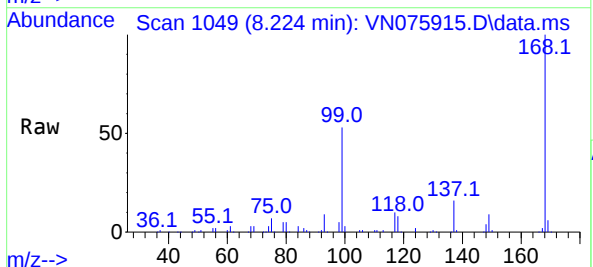
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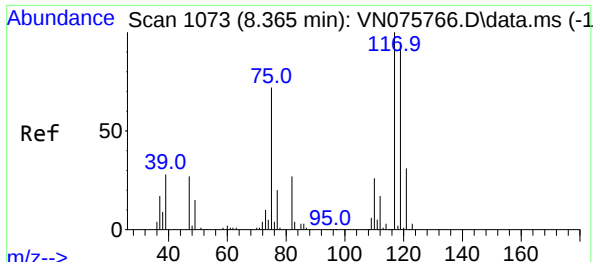
Tgt Ion:113 Resp: 165793
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.2
192 20.0 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.439 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Tgt Ion: 75 Resp: 26181
Ion Ratio Lower Upper
75 100
110 8.5 18.8 56.4#
77 0.0 24.1 36.1#

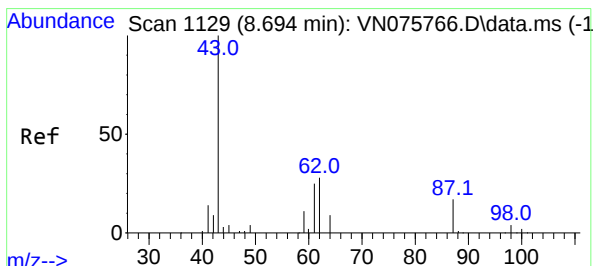
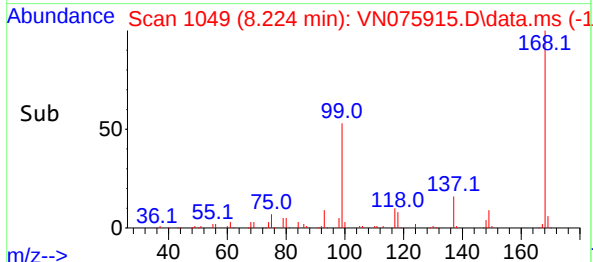
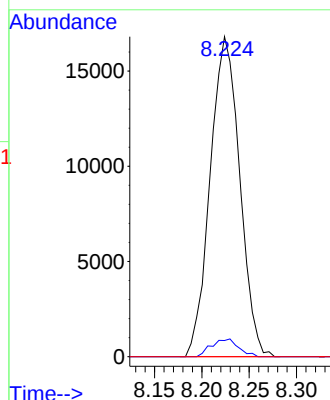
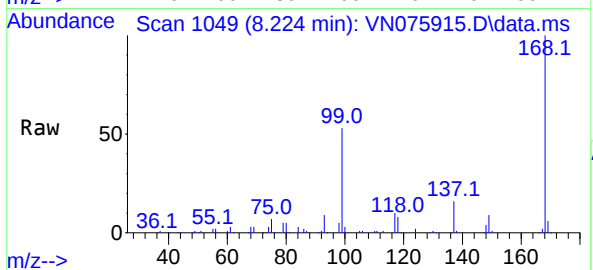




#38
Carbon Tetrachloride
Concen: 6.772 ug/l
RT: 8.224 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

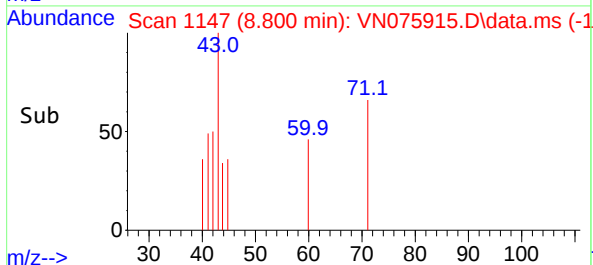
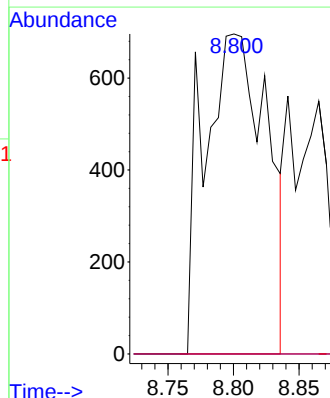
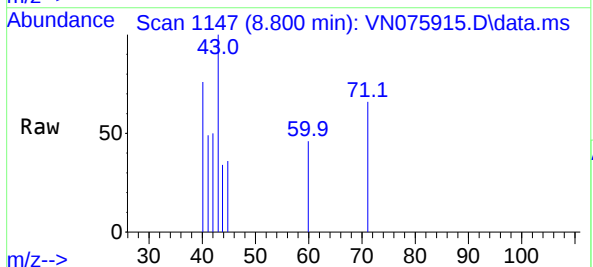
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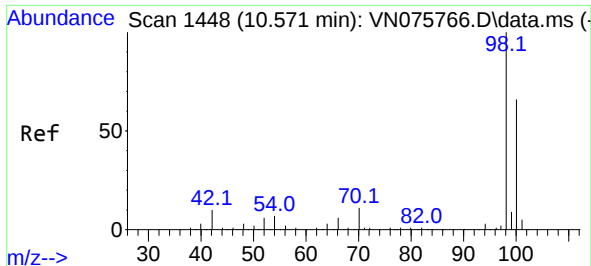
Tgt Ion:117 Resp: 36484
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 0.362 ug/l
RT: 8.800 min Scan# 1147
Delta R.T. 0.106 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#

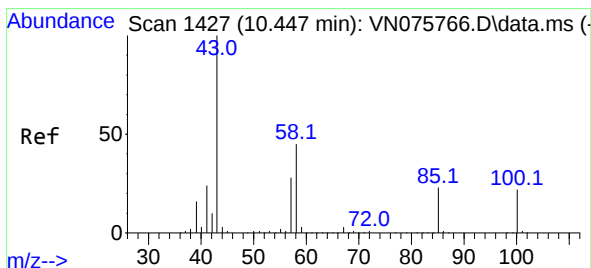
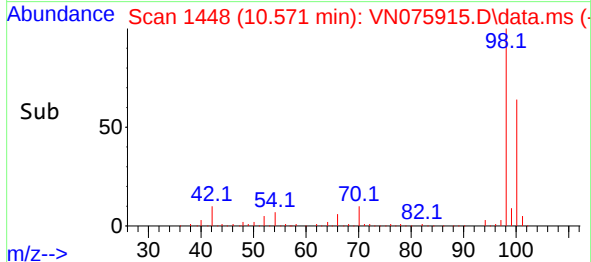
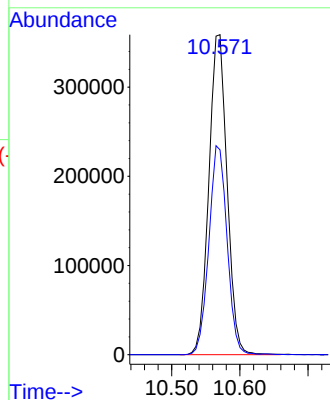
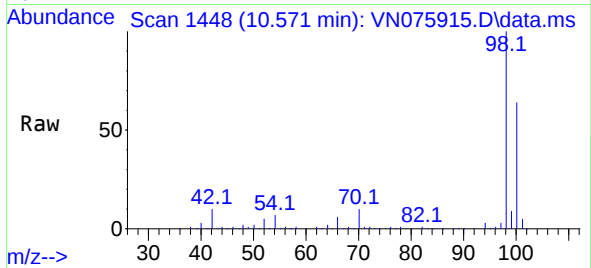




#50
Toluene-d8
Concen: 49.278 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

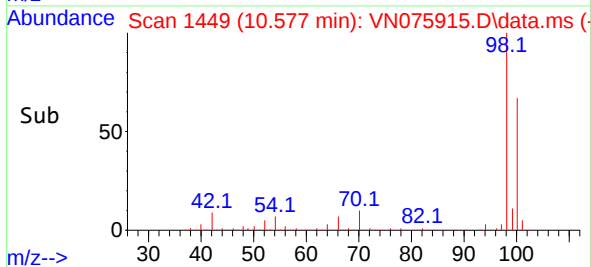
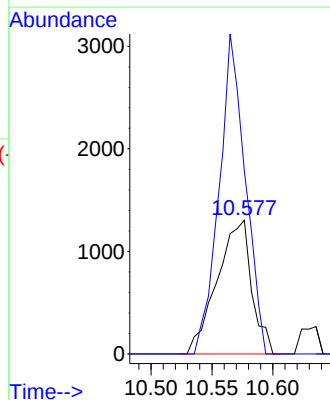
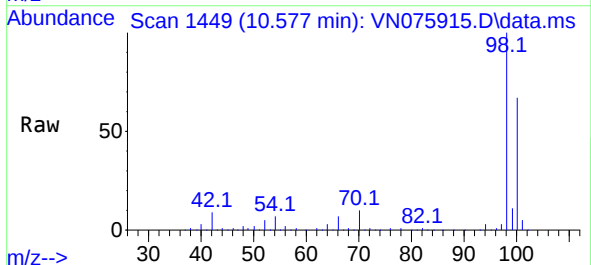
Instrument :
MSVOA_N
ClientSampleId :
WC-SOIL-20221214

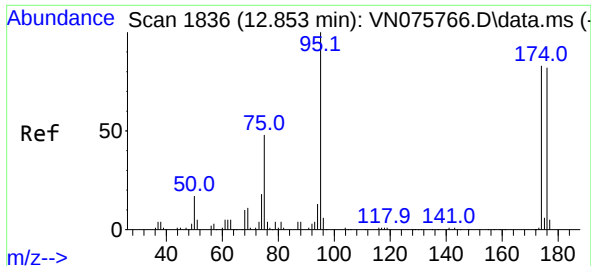
Tgt Ion: 98 Resp: 667617
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.667 ug/l
RT: 10.577 min Scan# 1449
Delta R.T. 0.130 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Tgt Ion: 43 Resp: 2573
Ion Ratio Lower Upper
43 100
58 182.1 35.5 53.3#

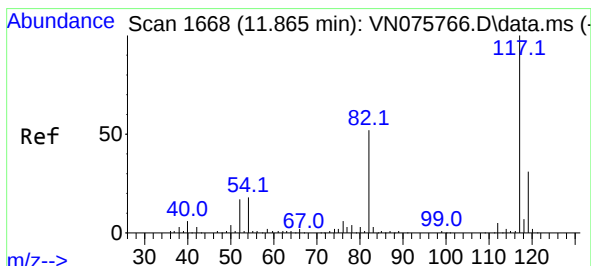
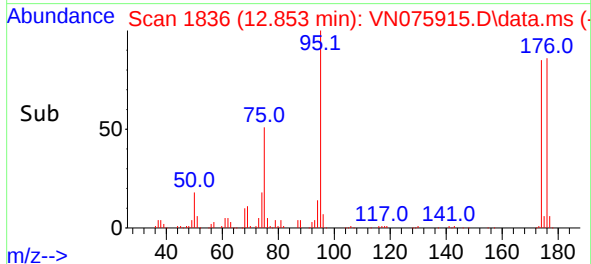
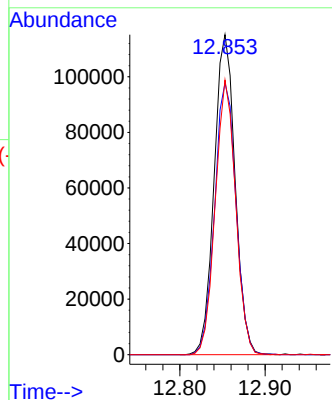
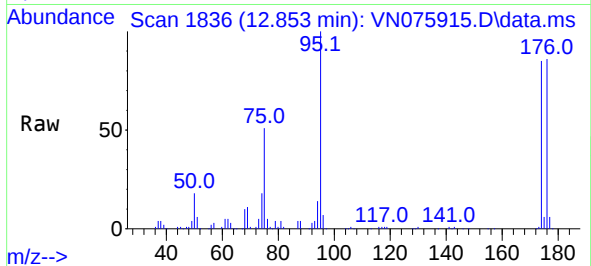




#62
4-Bromofluorobenzene
Concen: 43.816 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

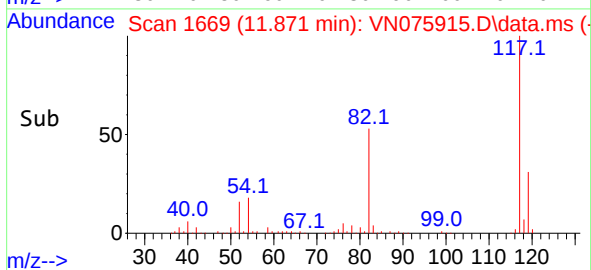
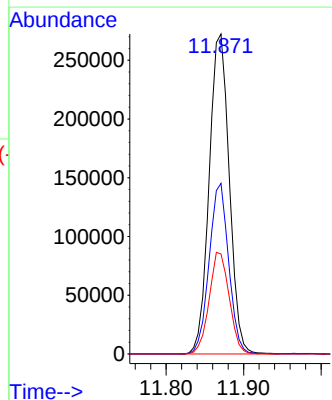
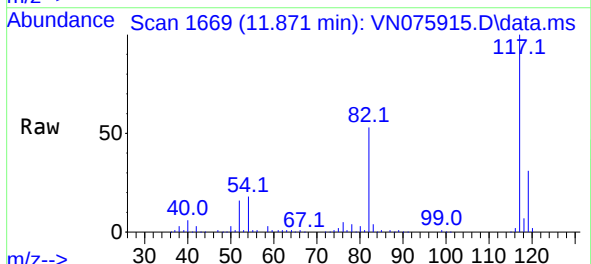
Instrument :
MSVOA_N
ClientSampleId :
WC-SOIL-20221214

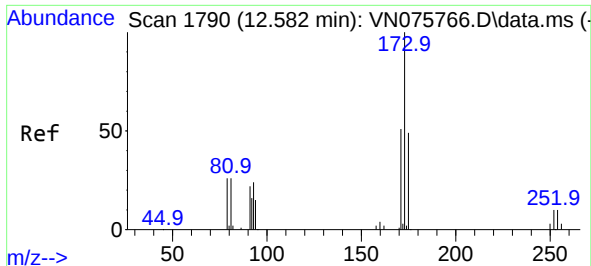
Tgt Ion: 95 Resp: 196615
Ion Ratio Lower Upper
95 100
174 86.5 0.0 171.6
176 83.5 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Tgt Ion: 117 Resp: 491065
Ion Ratio Lower Upper
117 100
82 53.3 41.3 61.9
119 31.3 24.6 37.0

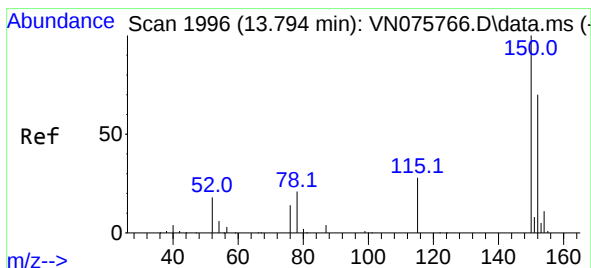
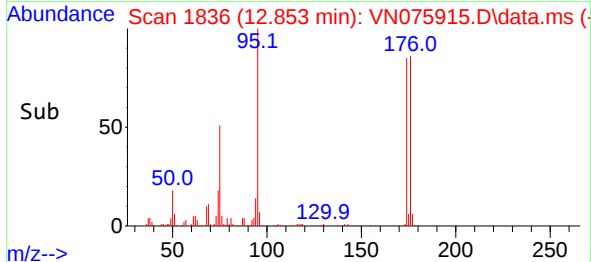
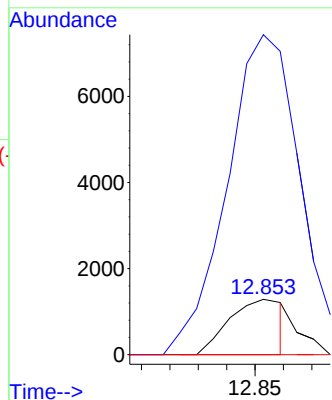
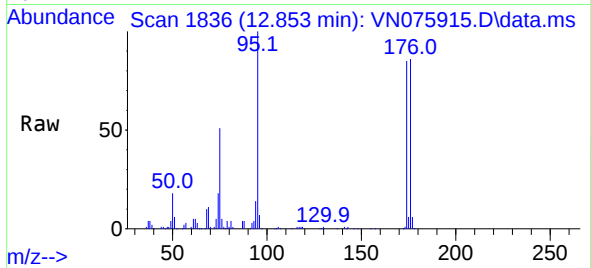




#71
Bromoform
Concen: 0.632 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

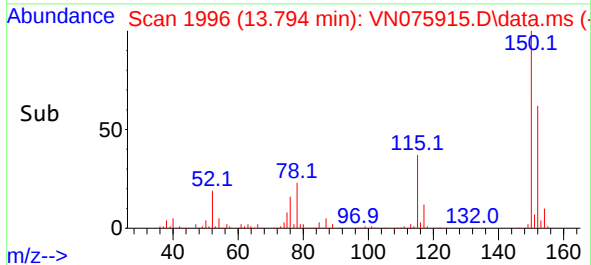
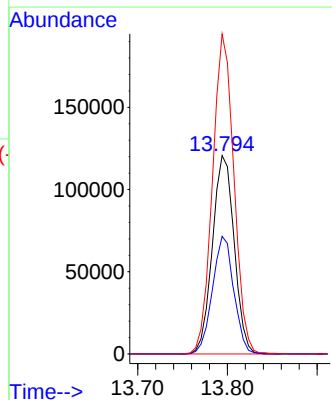
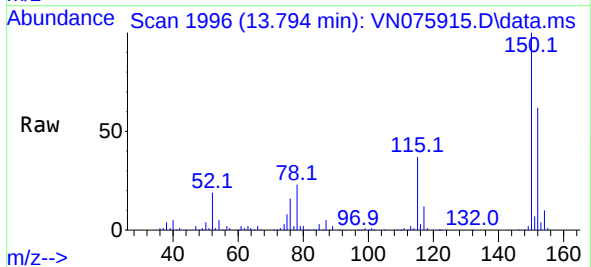
Instrument :
MSVOA_N
ClientSampleId :
WC-SOIL-20221214

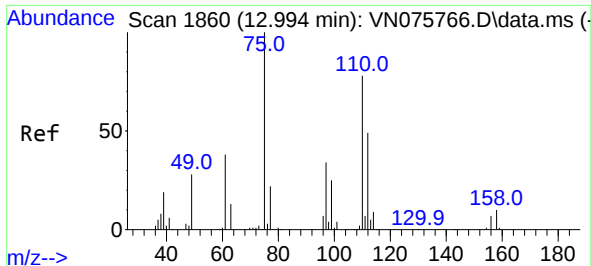
Tgt Ion:173 Resp: 1718
Ion Ratio Lower Upper
173 100
175 604.3 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Tgt Ion:152 Resp: 203567
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.4
150 158.7 0.0 347.0

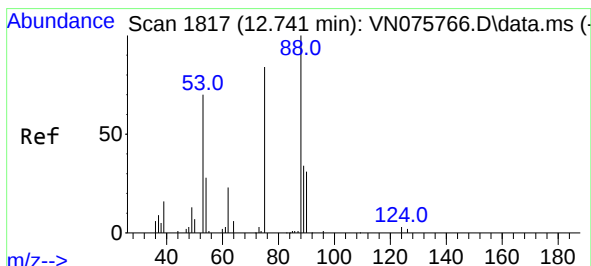
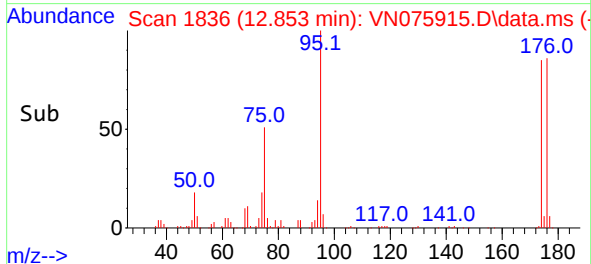
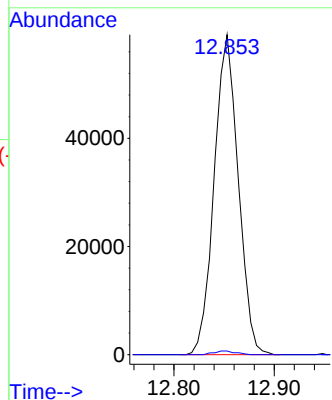
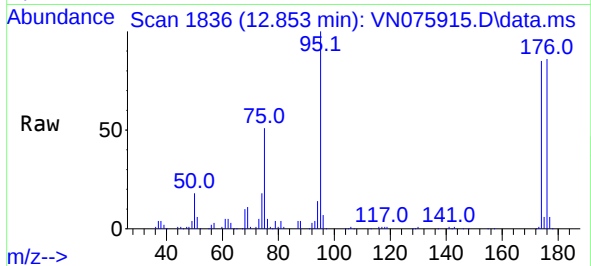




#76
1,2,3-Trichloropropane
Concen: 24.015 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

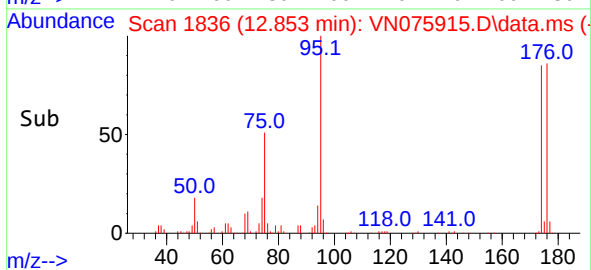
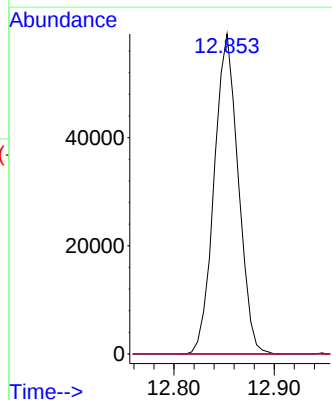
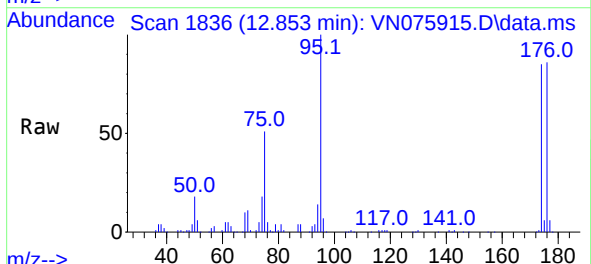
Instrument :
MSVOA_N
ClientSampleId :
WC-SOIL-20221214

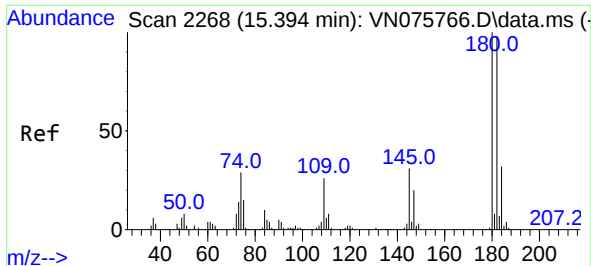
Tgt Ion: 75 Resp: 98542
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.441 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Tgt Ion: 75 Resp: 98542
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

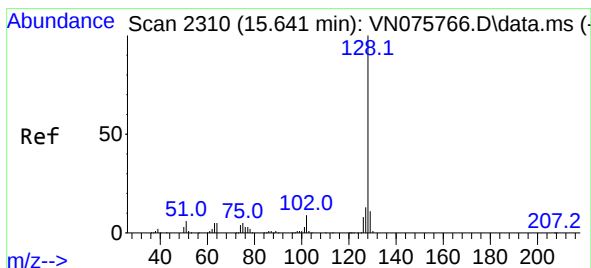
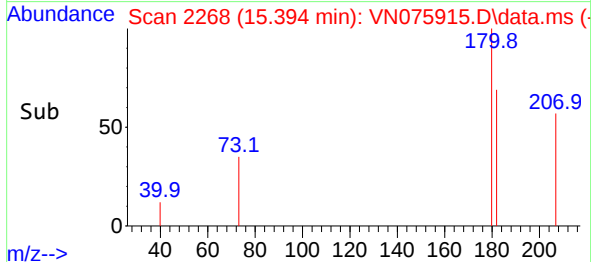
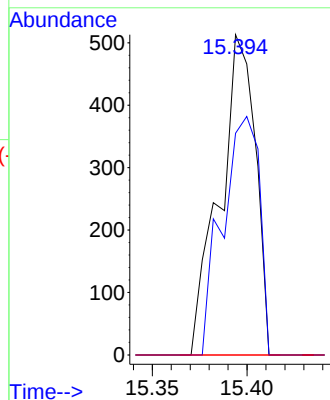
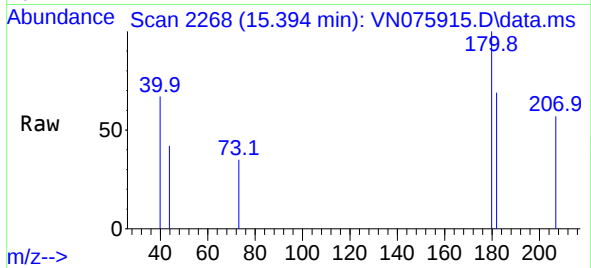




#93
1,2,4-Trichlorobenzene
Concen: 0.201 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Instrument :
MSVOA_N
ClientSampleId :
WC-SOIL-20221214

Tgt Ion:180 Resp: 673
Ion Ratio Lower Upper
180 100
182 77.1 47.5 142.5
145 0.0 15.3 45.8#



#95
Naphthalene
Concen: 2.425 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN075915.D
Acq: 21 Dec 2022 13:29

Tgt Ion:128 Resp: 2868
Ion Ratio Lower Upper
128 100
127 7.2 10.4 15.6#
129 12.4 8.7 13.1

