

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042523\
 Data File : VN077476.D
 Acq On : 25 Apr 2023 17:57
 Operator : JC\MD
 Sample : 02460-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Apr 26 04:22:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

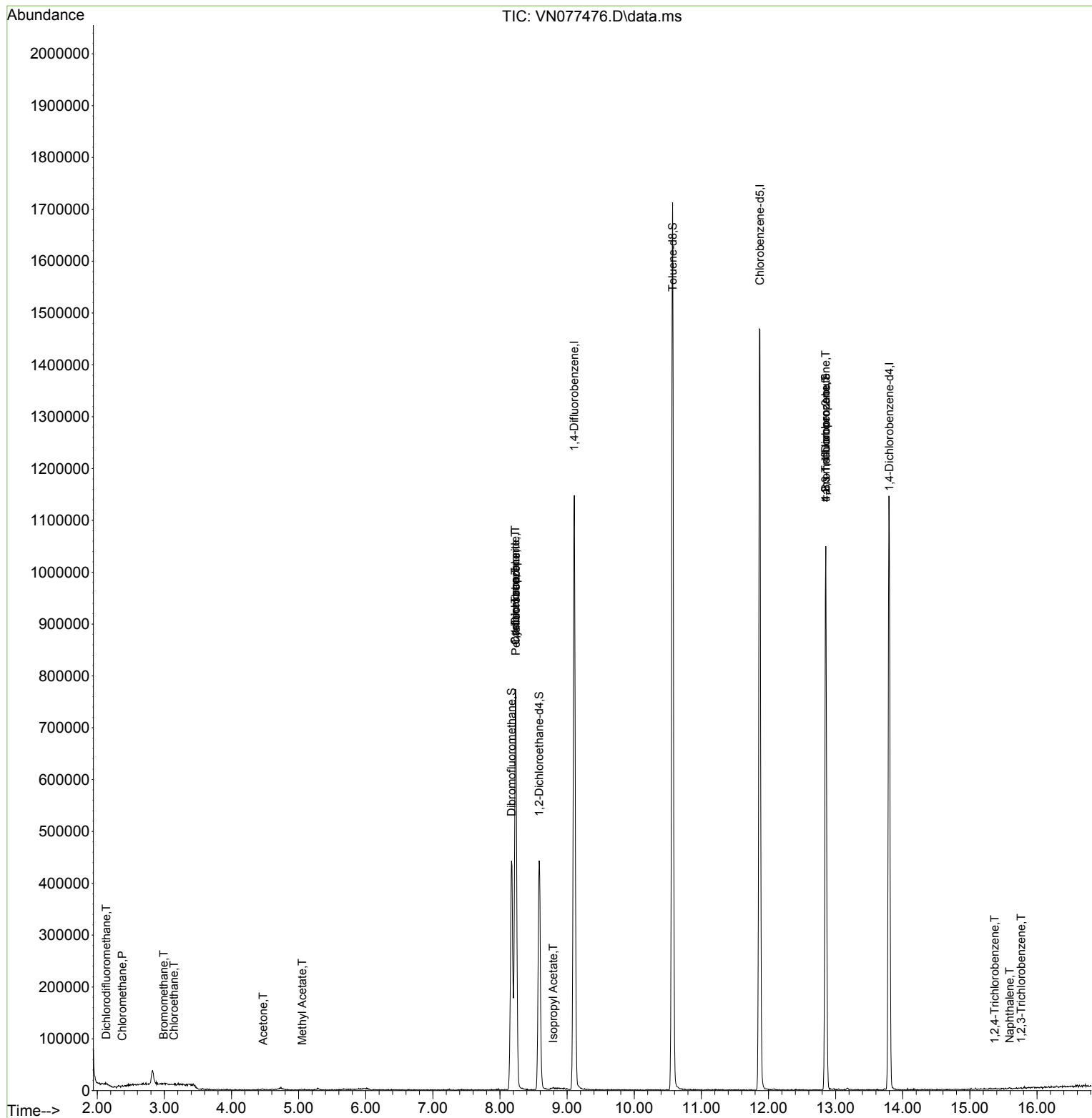
Internal Standards						
1) Pentafluorobenzene	8.236	168	560260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1046136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	917484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.801	152	319765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	377252	51.602	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.200%	
35) Dibromofluoromethane	8.172	113	324373	51.588	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.180%	
50) Toluene-d8	10.571	98	1256943	52.159	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.320%	
62) 4-Bromofluorobenzene	12.854	95	379787	48.170	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.340%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	72	0.319	ug/l #	43
3) Chloromethane	2.372	50	1130	0.201	ug/l #	88
5) Bromomethane	2.990	94	2529	0.390	ug/l #	54
6) Chloroethane	3.143	64	1722	0.303	ug/l #	43
16) Acetone	4.472	43	2082	0.895	ug/l #	40
18) Methyl Acetate	5.054	43	2153	0.240	ug/l #	80
31) Cyclohexane	8.230	56	12446	1.202	ug/l #	40
36) 1,1-Dichloropropene	8.230	75	48171	5.303	ug/l #	49
38) Carbon Tetrachloride	8.230	117	61347	6.121	ug/l #	17
43) Isopropyl Acetate	8.795	43	4136	0.346	ug/l #	49
76) 1,2,3-Trichloropropane	12.854	75	208543	28.046	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	208543	79.234	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.371	180	284	0.920	ug/l #	25
95) Naphthalene	15.595	128	1140	1.274	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.765	180	77	0.509	ug/l #	1

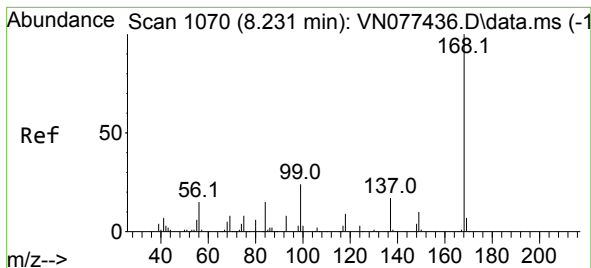
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:50:59 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN077476.D

Acq: 25 Apr 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

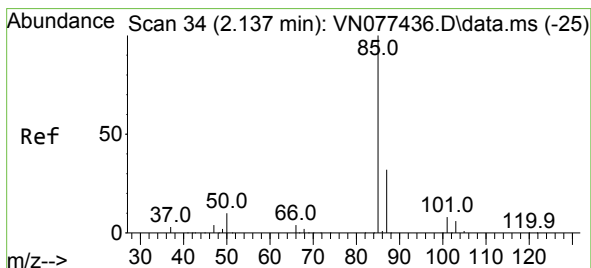
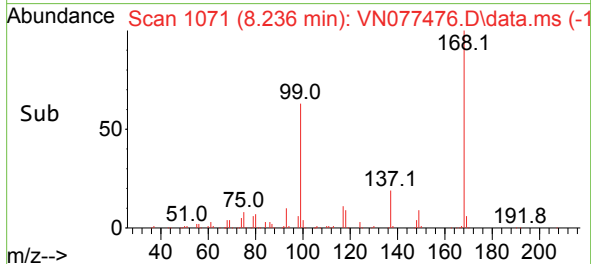
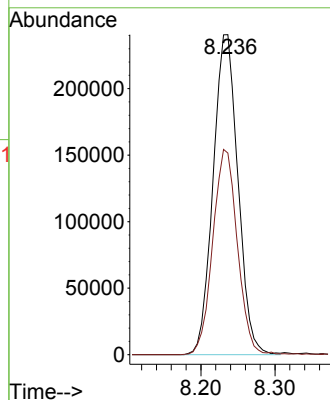
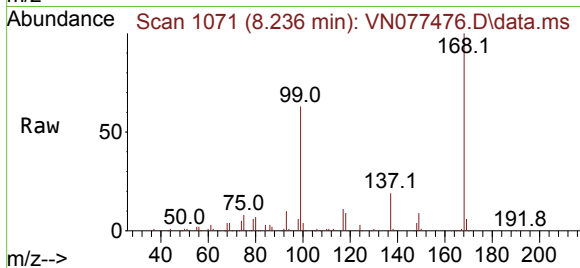
MW-3

Tgt Ion:168 Resp: 560260

Ion Ratio Lower Upper

168 100

99 63.0 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 0.319 ug/l

RT: 2.137 min Scan# 34

Delta R.T. -0.000 min

Lab File: VN077476.D

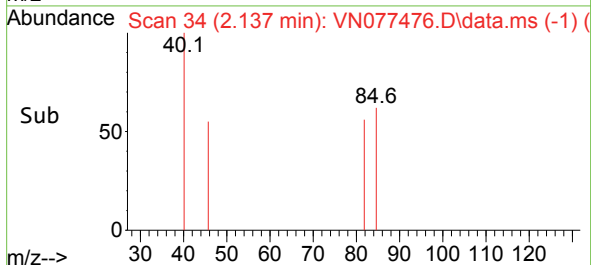
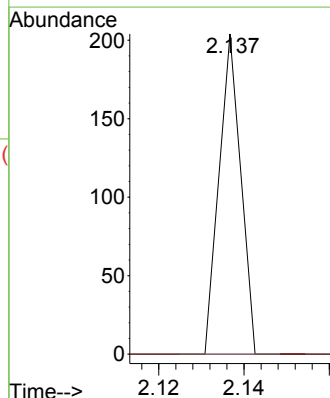
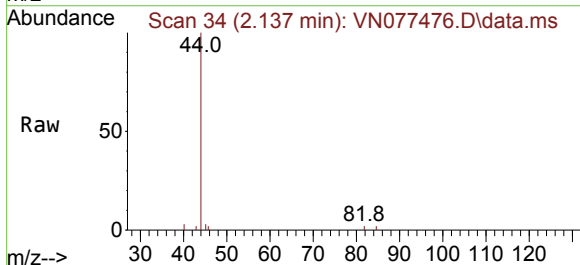
Acq: 25 Apr 2023 17:57

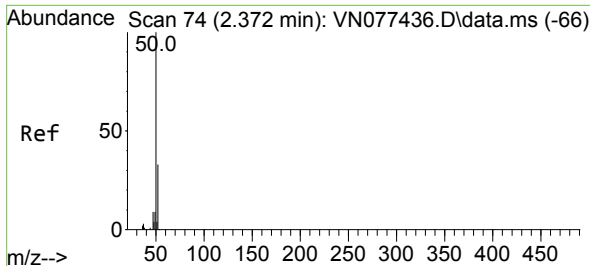
Tgt Ion: 85 Resp: 72

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#

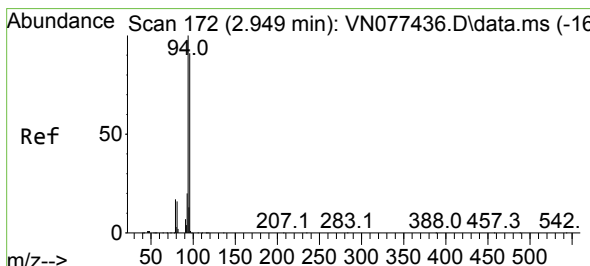
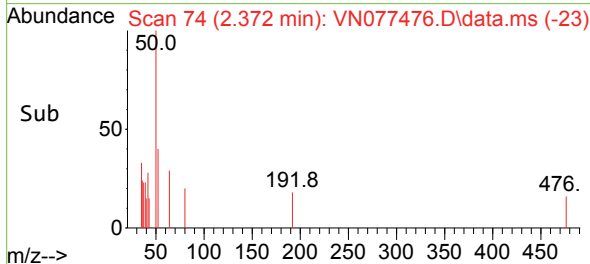
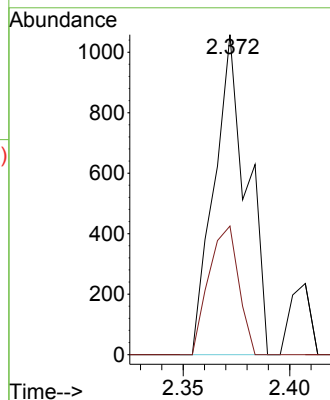
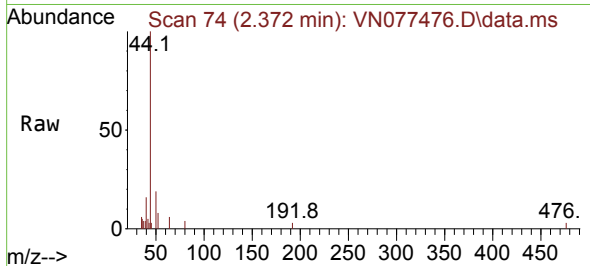




#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

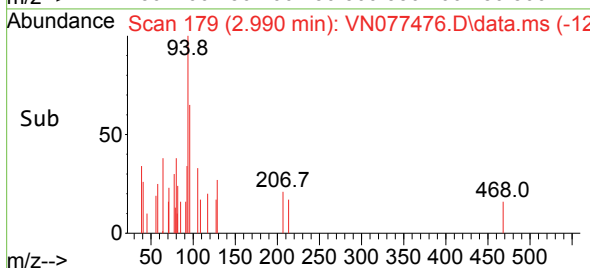
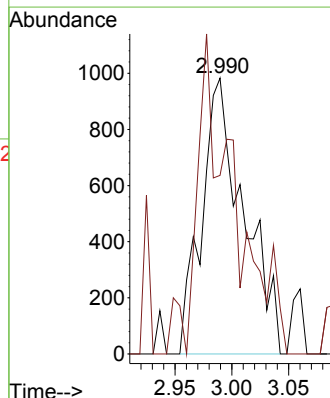
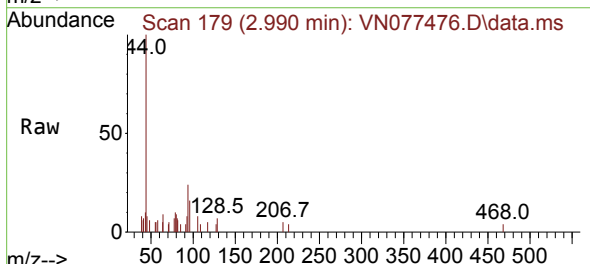
Instrument :
MSVOA_N
ClientSampleId :
MW-3

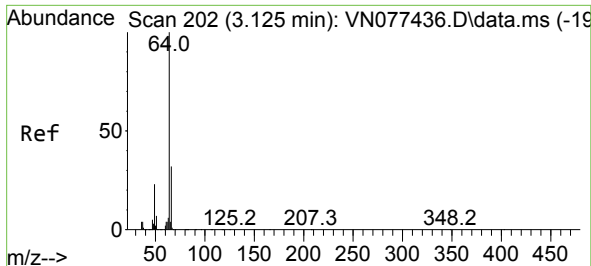
Tgt Ion: 50 Resp: 1130
Ion Ratio Lower Upper
50 100
52 40.2 26.5 39.7#



#5
Bromomethane
Concen: 0.390 ug/l
RT: 2.990 min Scan# 179
Delta R.T. 0.041 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

Tgt Ion: 94 Resp: 2529
Ion Ratio Lower Upper
94 100
96 48.0 73.1 109.7#

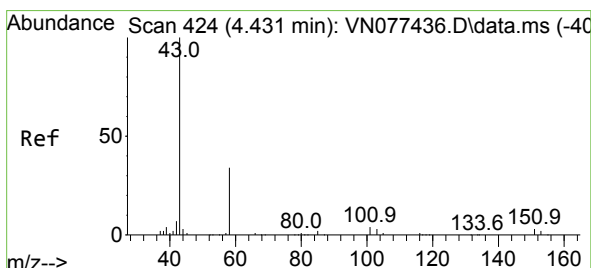
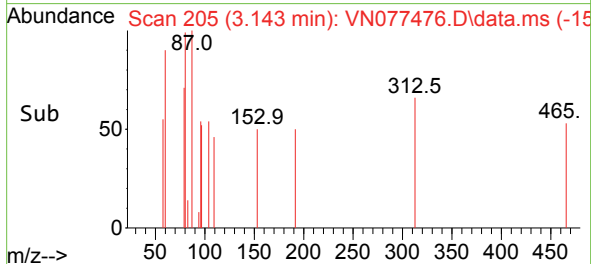
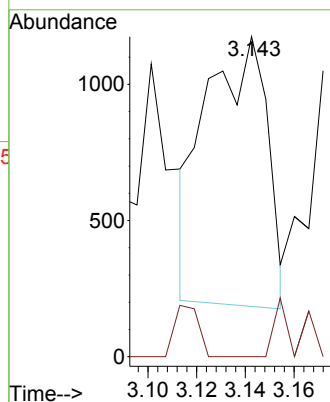
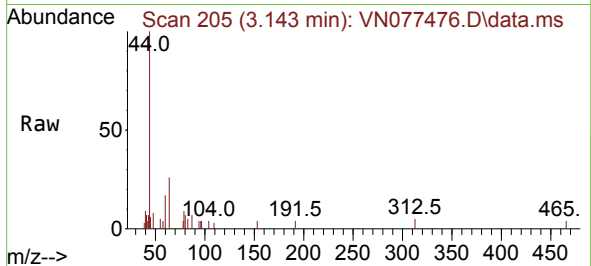




#6
Chloroethane
Concen: 0.303 ug/l
RT: 3.143 min Scan# 20
Delta R.T. 0.017 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

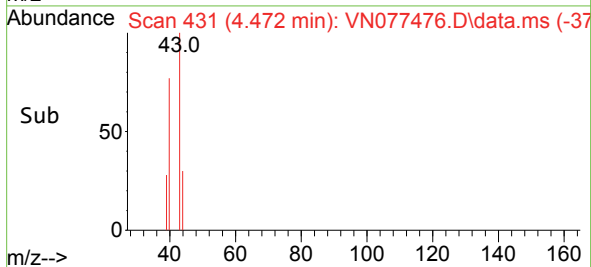
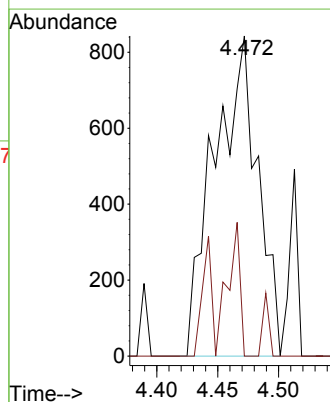
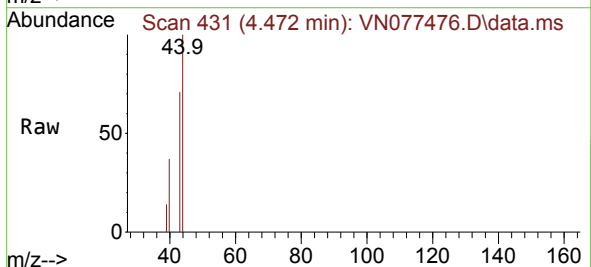
Instrument :
MSVOA_N
ClientSampleId :
MW-3

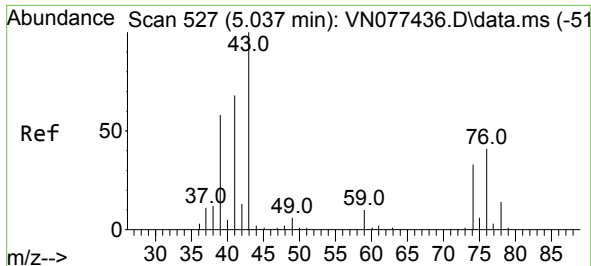
Tgt Ion: 64 Resp: 1722
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#16
Acetone
Concen: 0.895 ug/l
RT: 4.472 min Scan# 431
Delta R.T. 0.041 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

Tgt Ion: 43 Resp: 2082
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

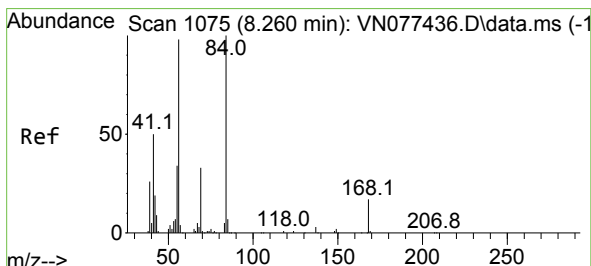
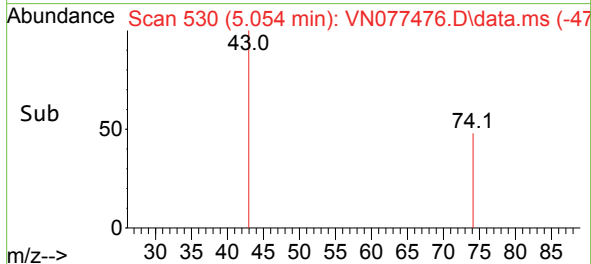
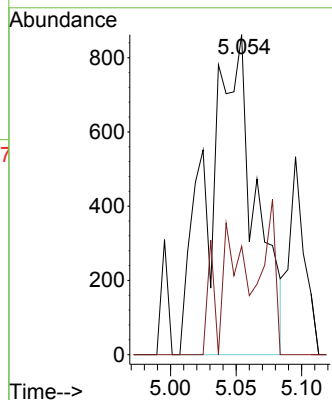
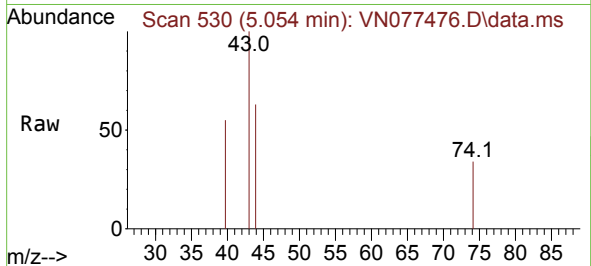




#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 5.054 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

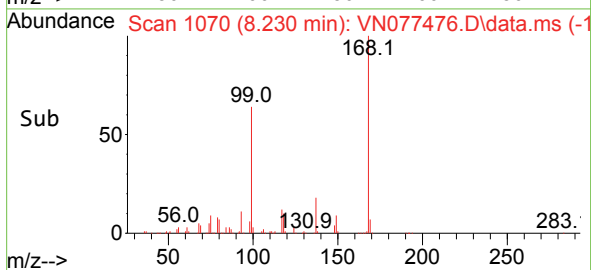
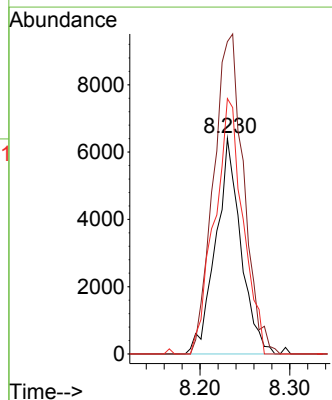
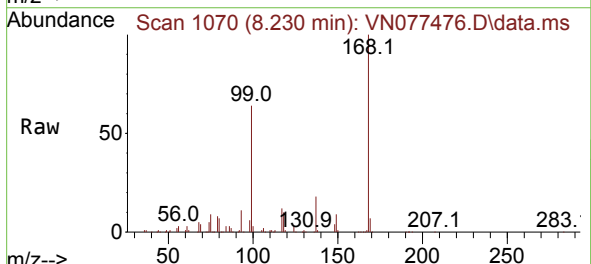
Instrument :
MSVOA_N
ClientSampleId :
MW-3

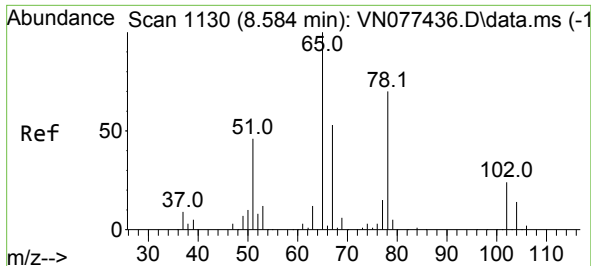
Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
74 21.7 26.2 39.4#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.030 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

Tgt Ion: 56 Resp: 12446
Ion Ratio Lower Upper
56 100
69 144.9 26.8 40.2#
84 118.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 51.602 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN077476.D

Acq: 25 Apr 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

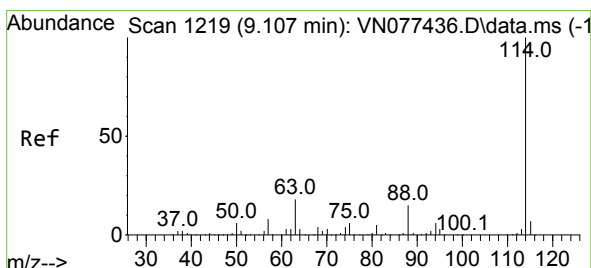
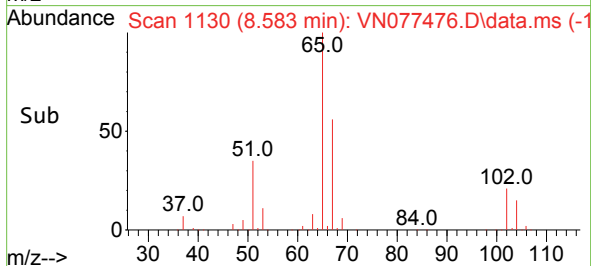
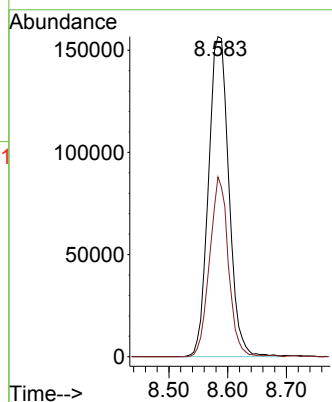
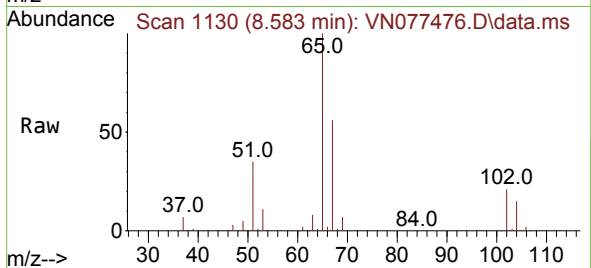
MW-3

Tgt Ion: 65 Resp: 377252

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077476.D

Acq: 25 Apr 2023 17:57

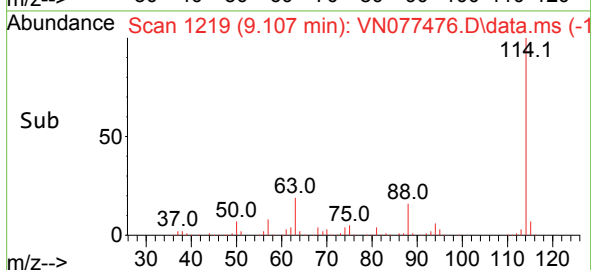
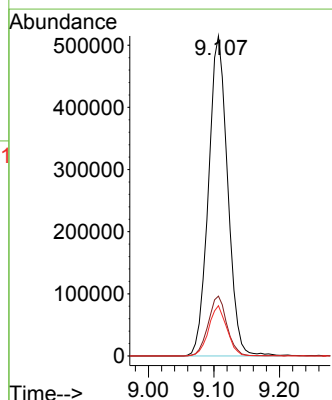
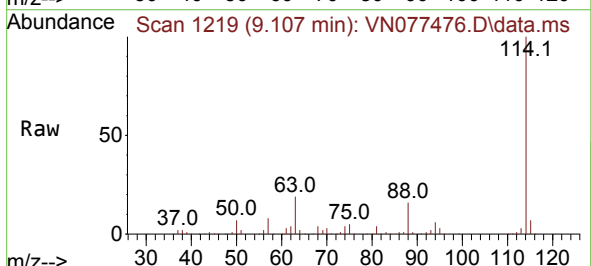
Tgt Ion: 114 Resp: 1046136

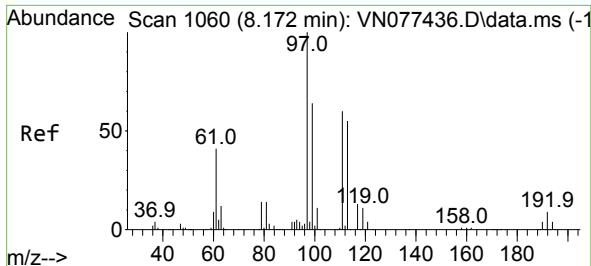
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.4

88 15.7 0.0 30.6

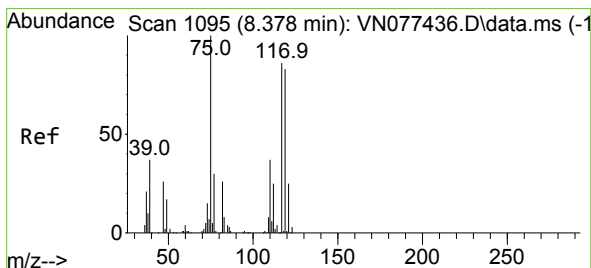
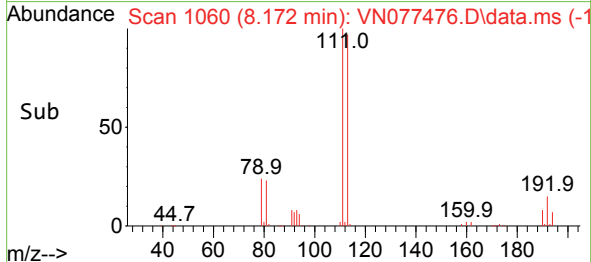
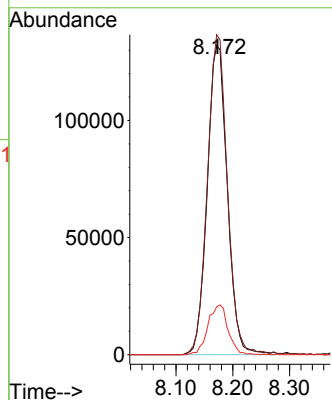
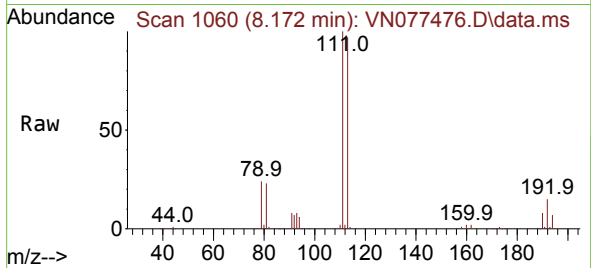




#35
Dibromofluoromethane
Concen: 51.588 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

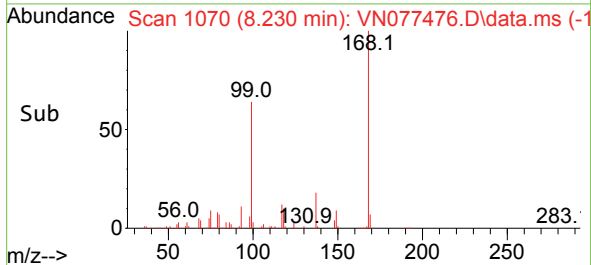
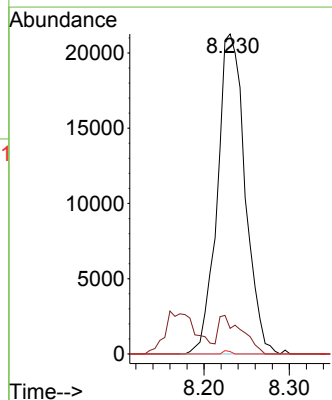
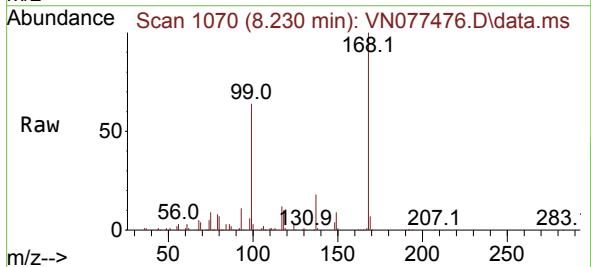
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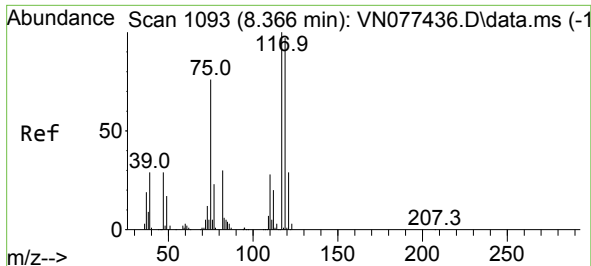
Tgt Ion:113 Resp: 324373
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 16.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.303 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

Tgt Ion: 75 Resp: 48171
Ion Ratio Lower Upper
75 100
110 10.1 19.1 57.3#
77 0.3 25.0 37.4#

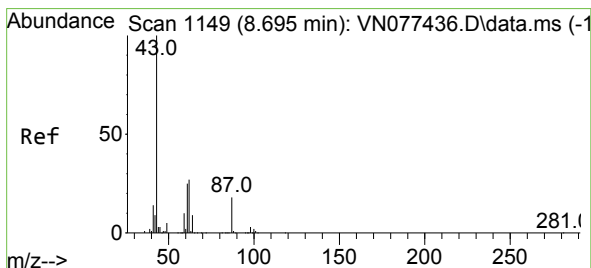
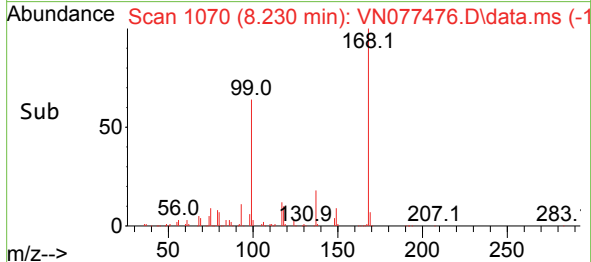
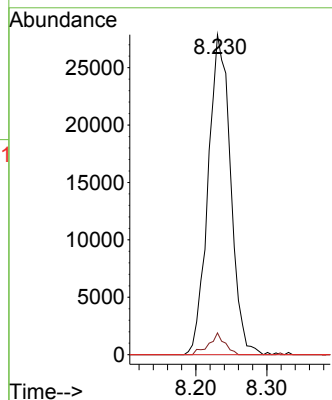
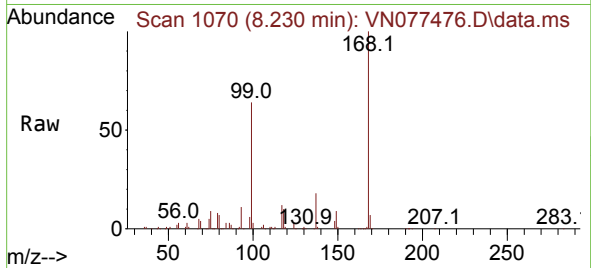




#38
Carbon Tetrachloride
Concen: 6.121 ug/l
RT: 8.230 min Scan# 1166
Delta R.T. -0.136 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

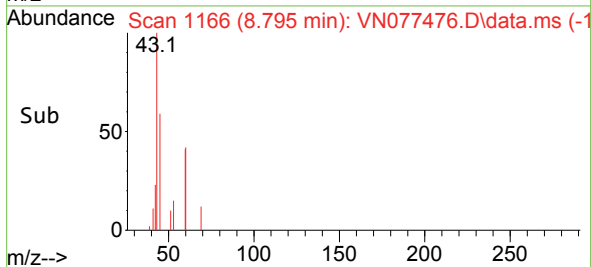
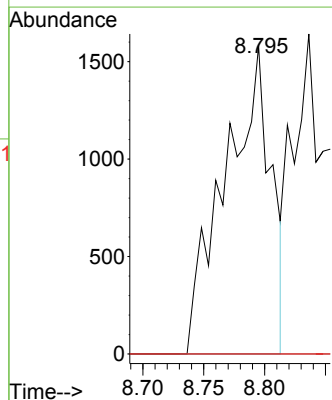
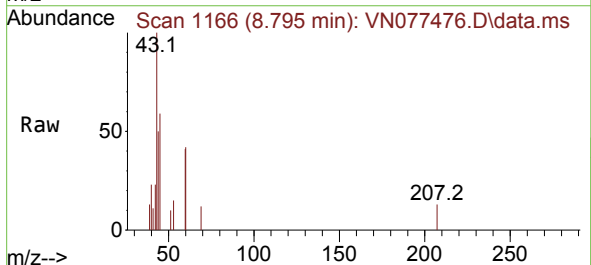
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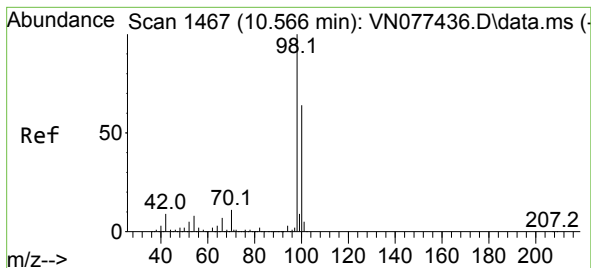
Tgt Ion:117 Resp: 61347
Ion Ratio Lower Upper
117 100
119 6.8 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.346 ug/l
RT: 8.795 min Scan# 1166
Delta R.T. 0.100 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

Tgt Ion: 43 Resp: 4136
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 52.159 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077476.D

Acq: 25 Apr 2023 17:57

Instrument :

MSVOA_N

ClientSampleId :

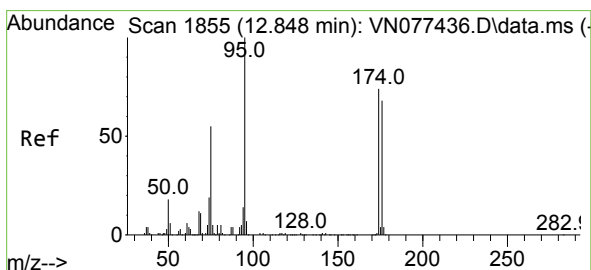
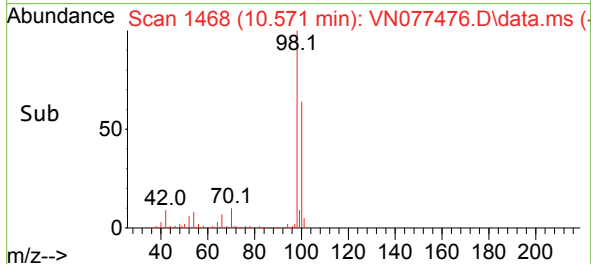
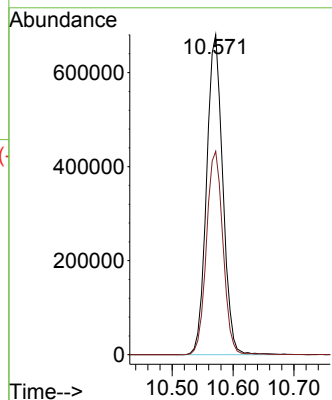
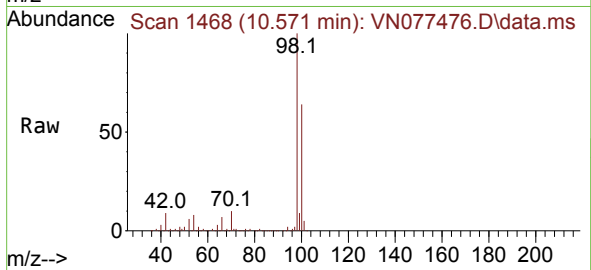
MW-3

Tgt Ion: 98 Resp: 1256943

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.170 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077476.D

Acq: 25 Apr 2023 17:57

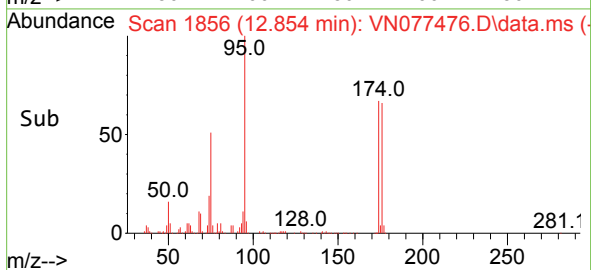
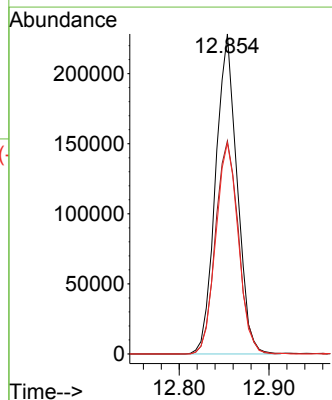
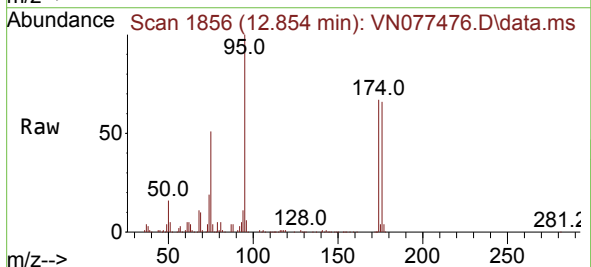
Tgt Ion: 95 Resp: 379787

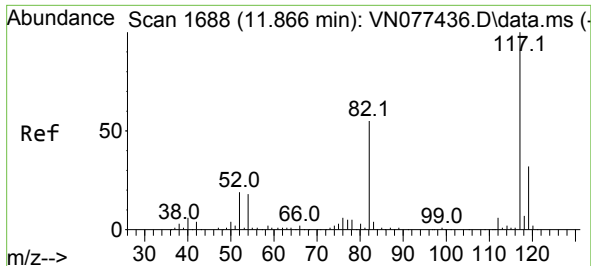
Ion Ratio Lower Upper

95 100

174 71.3 0.0 143.8

176 68.9 0.0 135.8

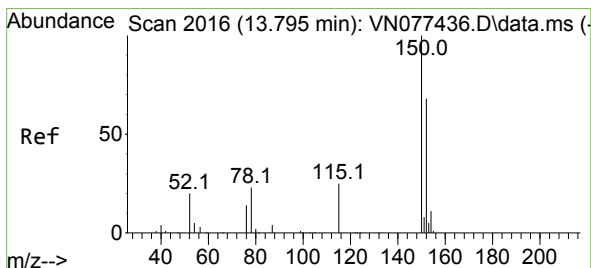
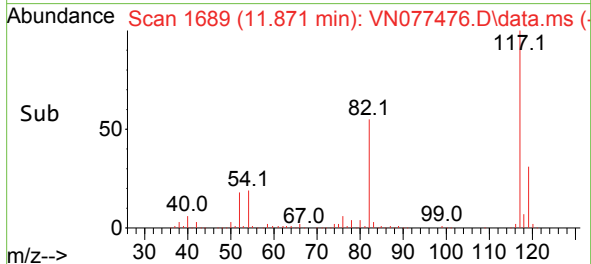
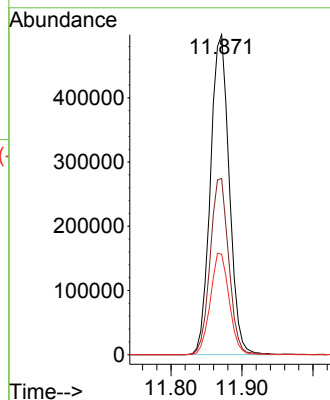
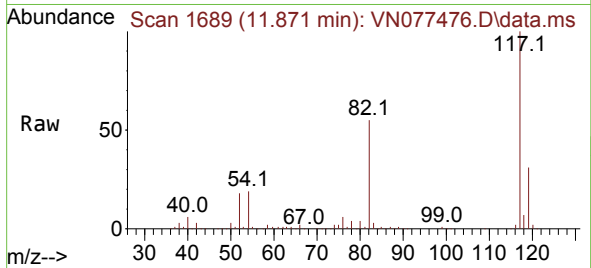




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

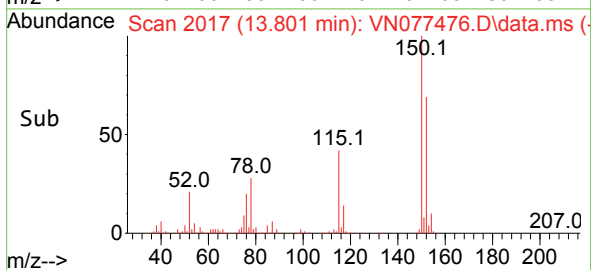
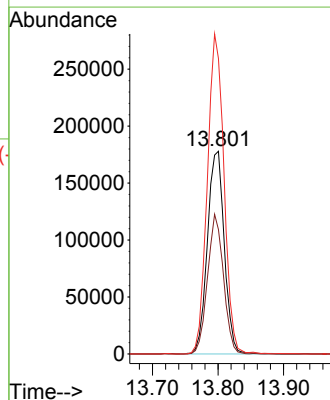
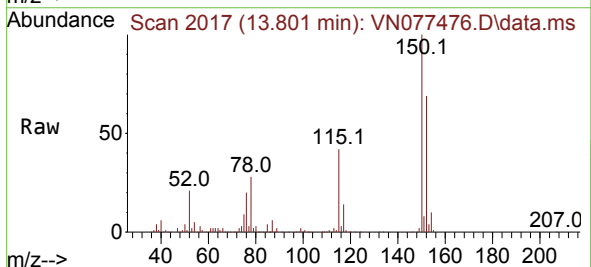
Instrument :
MSVOA_N
ClientSampleId :
MW-3

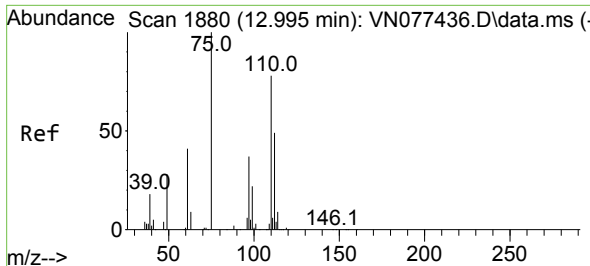
Tgt Ion:117 Resp: 917484
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.801 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

Tgt Ion:152 Resp: 319765
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 155.2 0.0 355.8

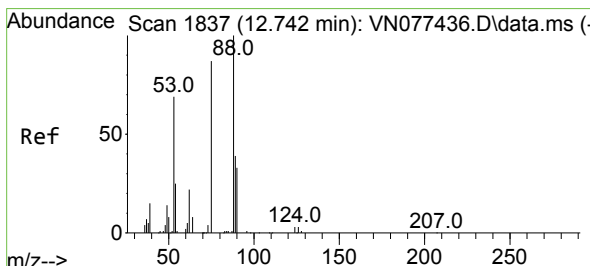
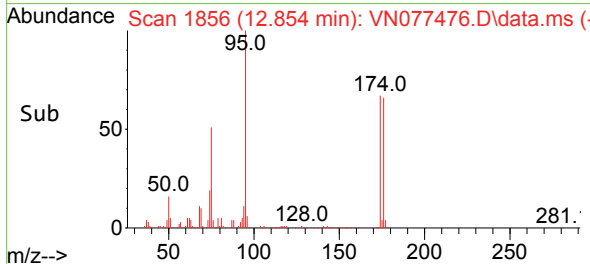
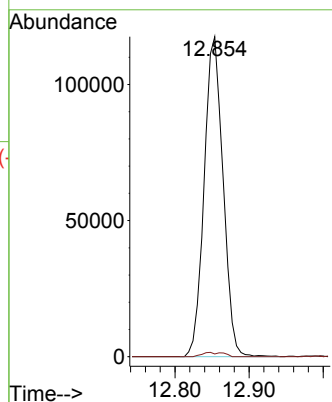
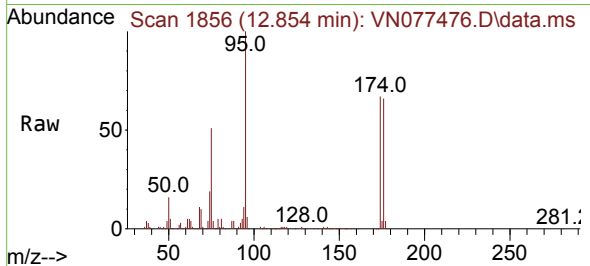




#76
1,2,3-Trichloropropane
Concen: 28.046 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

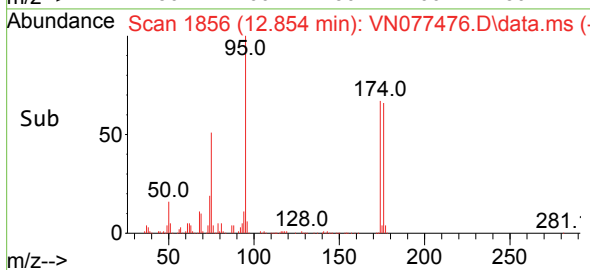
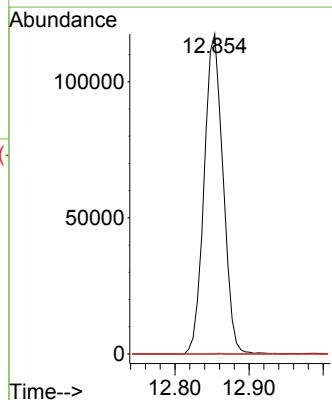
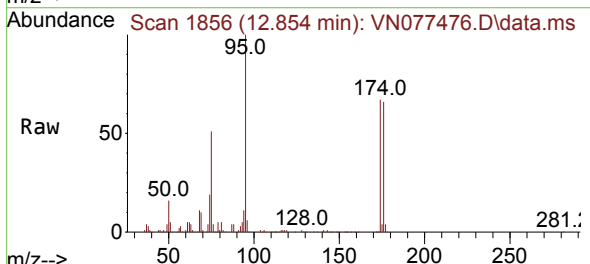
Instrument :
MSVOA_N
ClientSampleId :
MW-3

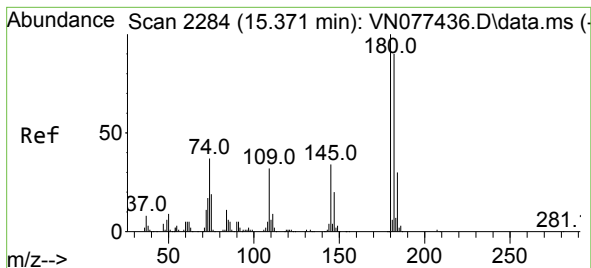
Tgt Ion: 75 Resp: 208543
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.234 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077476.D
Acq: 25 Apr 2023 17:57

Tgt Ion: 75 Resp: 208543
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.920 ug/l

RT: 15.371 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN077476.D

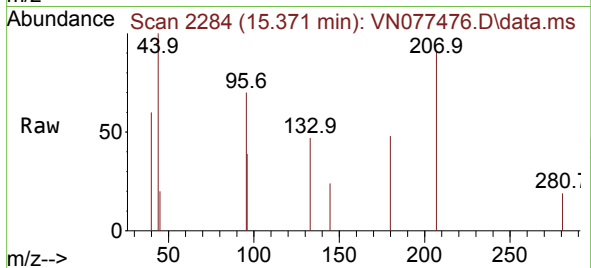
Acq: 25 Apr 2023 17:57

Instrument :

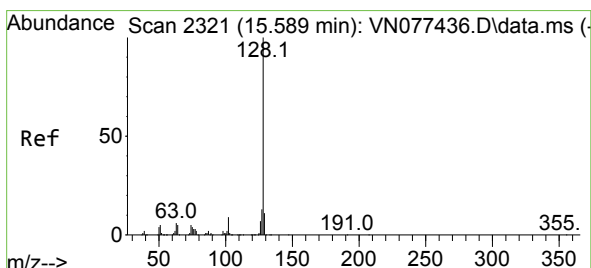
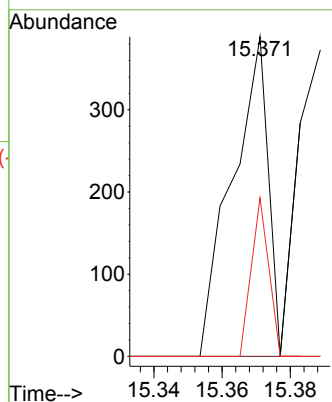
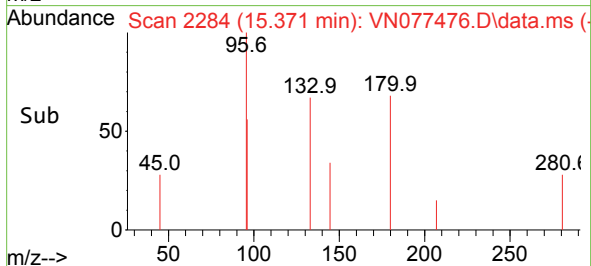
MSVOA_N

ClientSampleId :

MW-3



Tgt Ion:180	Resp:	284
Ion Ratio	Lower	Upper
180	100	
182	0.0	46.1
145	23.9	16.6
		49.8



#95

Naphthalene

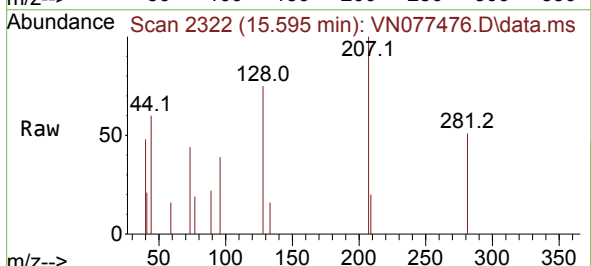
Concen: 1.274 ug/l

RT: 15.595 min Scan# 2322

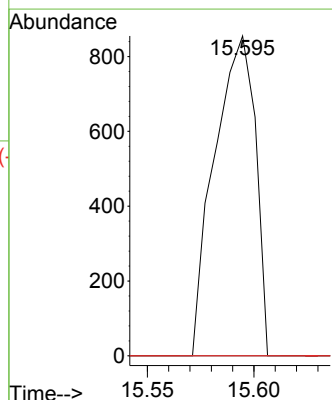
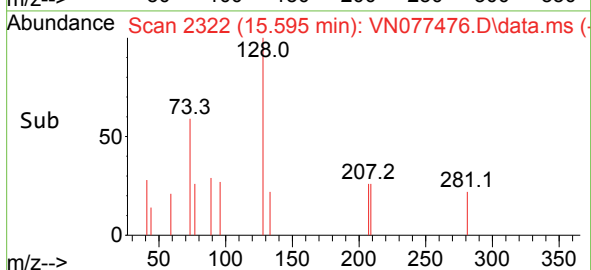
Delta R.T. 0.006 min

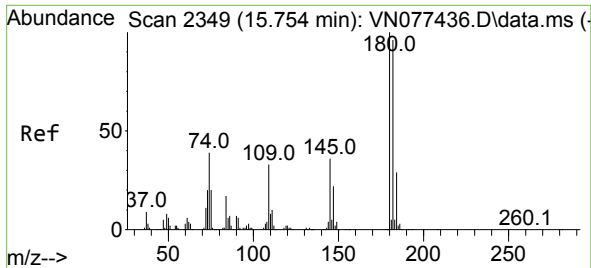
Lab File: VN077476.D

Acq: 25 Apr 2023 17:57



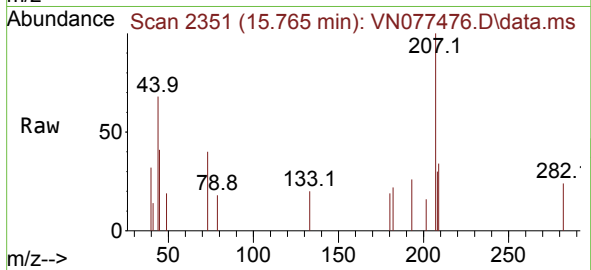
Tgt Ion:128	Resp:	1140
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.0
129	0.0	8.7
		13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.509 ug/l
 RT: 15.765 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VN077476.D
 Acq: 25 Apr 2023 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3



Tgt Ion:	180	Resp:	77
Ion	Ratio	Lower	Upper
180	100		
182	359.7	46.2	138.6#
145	0.0	17.5	52.6#

