

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030723\
 Data File : VN076870.D
 Acq On : 07 Mar 2023 14:32
 Operator : JC\MD
 Sample : 01832-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-03-05-23

Quant Time: Mar 07 22:40:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 08:45:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	594363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1037636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	885614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	352420	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	397323	47.680	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.360%
35) Dibromofluoromethane	8.178	113	311391	47.971	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.940%
50) Toluene-d8	10.572	98	1228866	49.138	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.280%
62) 4-Bromofluorobenzene	12.854	95	405854	46.834	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.660%

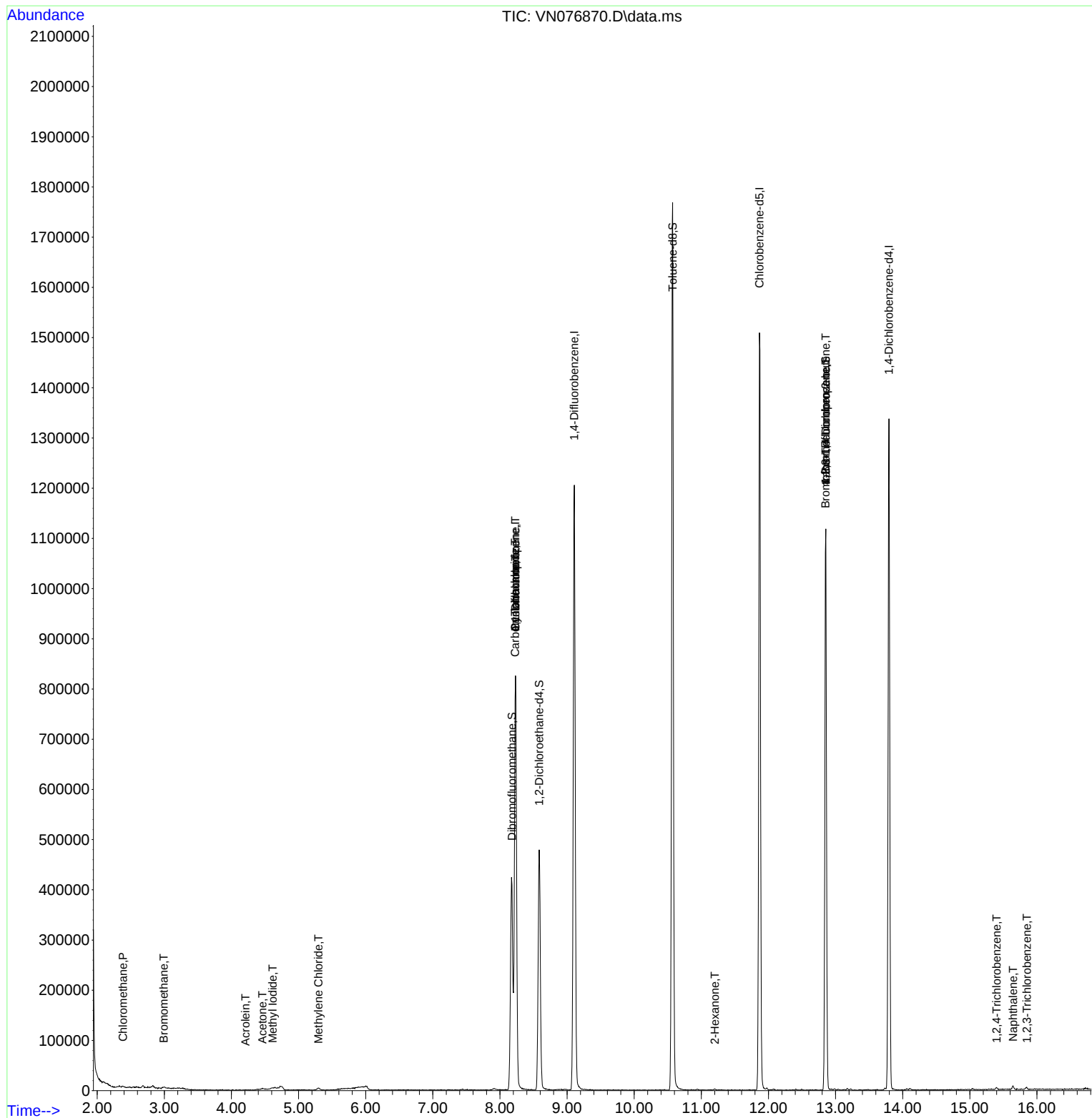
Target Compounds					Qvalue	
3) Chloromethane	2.384	50	2353	0.259	ug/l	# 82
5) Bromomethane	2.990	94	1531	0.279	ug/l	91
6) Chloroethane	3.125	64	282	Below Cal		# 42
10) Methyl Iodide	4.613	142	3319	0.447	ug/l	# 87
13) Acrolein	4.208	56	331	0.207	ug/l	# 71
16) Acetone	4.461	43	2889	0.794	ug/l	# 53
20) Methylene Chloride	5.296	84	3463	0.408	ug/l	# 78
31) Cyclohexane	8.231	56	13521	0.960	ug/l	# 18
36) 1,1-Dichloropropene	8.231	75	51037	4.892	ug/l	# 47
38) Carbon Tetrachloride	8.225	117	64283	6.065	ug/l	# 16
59) 2-Hexanone	11.201	43	1685	0.225	ug/l	78
71) Bromoform	12.848	173	2250	0.477	ug/l	# 1
76) 1,2,3-Trichloropropane	12.854	75	209971	23.624	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.854	75	209971	77.913	ug/l	# 15
93) 1,2,4-Trichlorobenzene	15.401	180	1603	0.255	ug/l	94
95) Naphthalene	15.642	128	7231	0.359	ug/l	# 93
96) 1,2,3-Trichlorobenzene	15.848	180	2040	0.330	ug/l	# 20

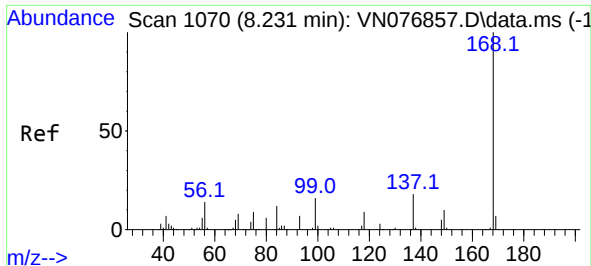
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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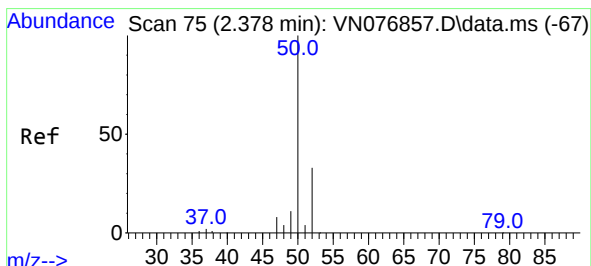
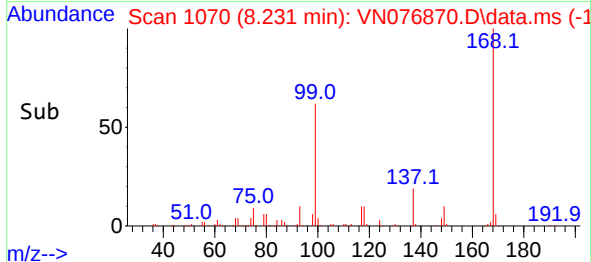
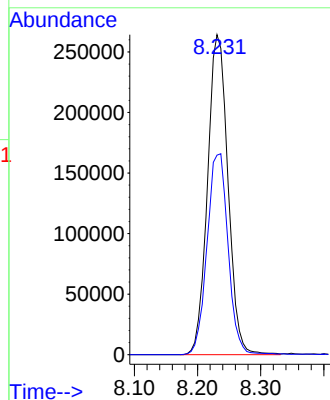
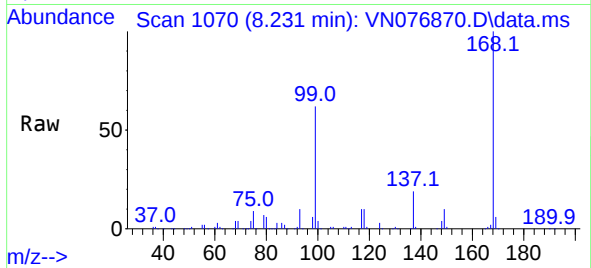




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

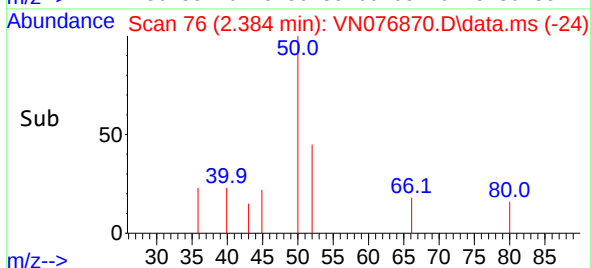
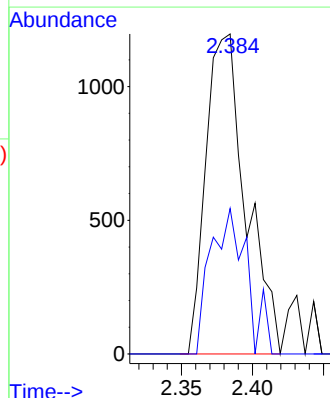
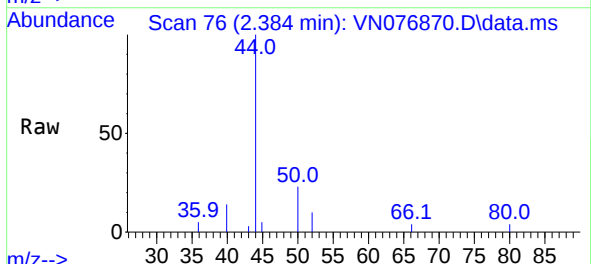
Instrument :
MSVOA_N
ClientSampleId :
TB-03-05-23

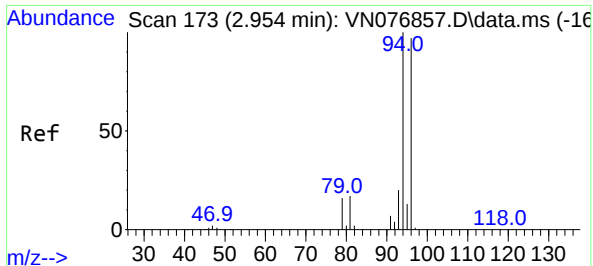
Tgt Ion:168 Resp: 594363
Ion Ratio Lower Upper
168 100
99 62.3 48.6 73.0



#3
Chloromethane
Concen: 0.259 ug/l
RT: 2.384 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Tgt Ion: 50 Resp: 2353
Ion Ratio Lower Upper
50 100
52 45.4 27.9 41.9#

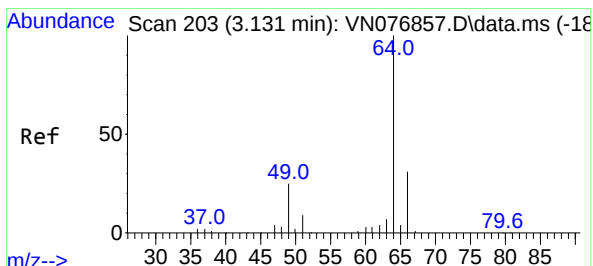
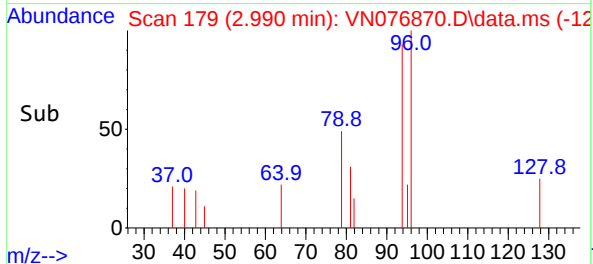
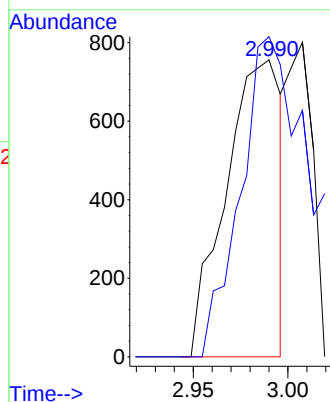
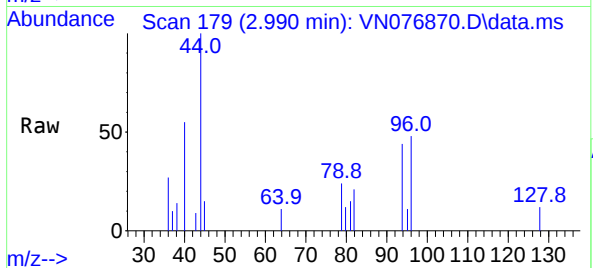




#5
Bromomethane
Concen: 0.279 ug/l
RT: 2.990 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

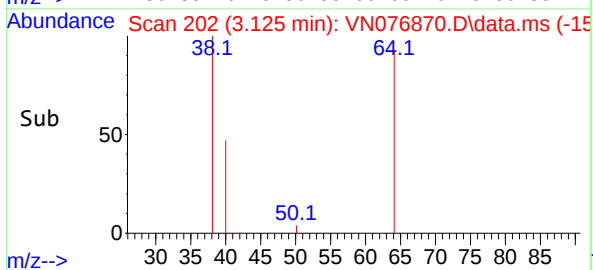
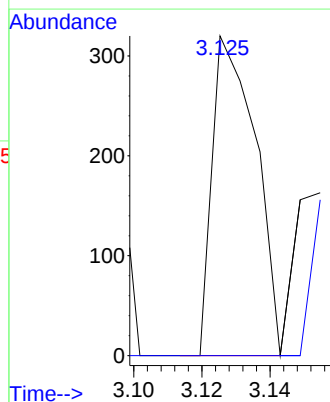
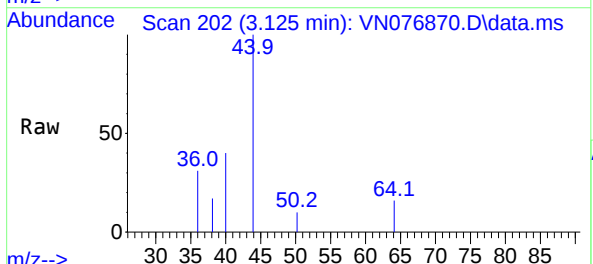
Instrument :
MSVOA_N
ClientSampleId :
TB-03-05-23

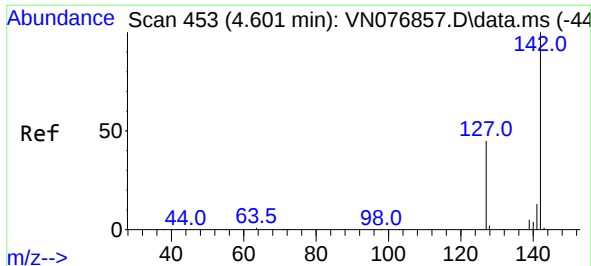
Tgt Ion: 94 Resp: 1531
Ion Ratio Lower Upper
94 100
96 107.8 79.0 118.6



#6
Chloroethane
Concen: Below Cal
RT: 3.125 min Scan# 202
Delta R.T. -0.006 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Tgt Ion: 64 Resp: 282
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

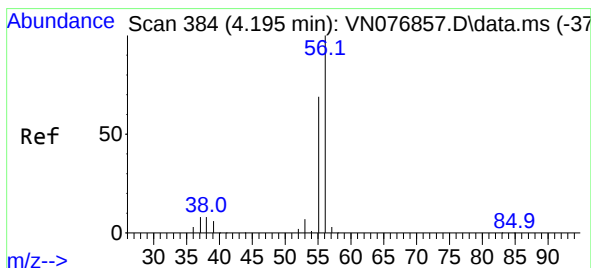
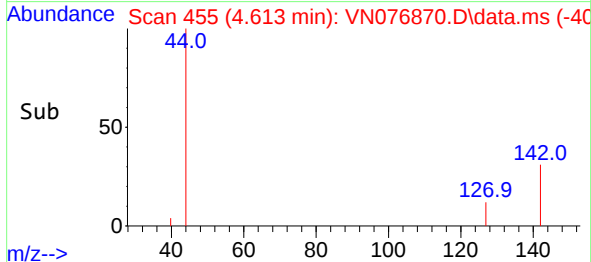
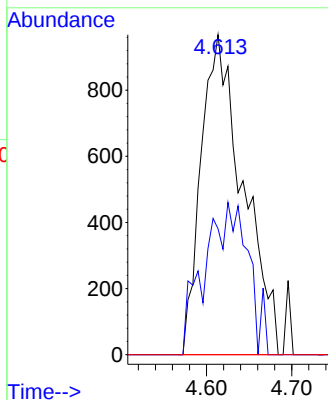
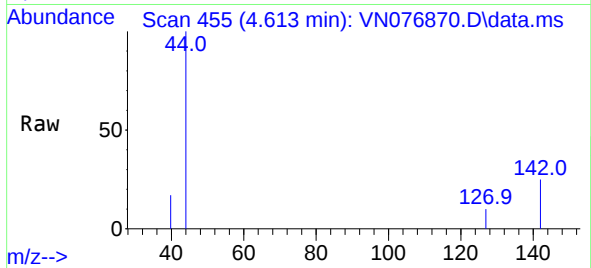




#10
Methyl Iodide
Concen: 0.447 ug/l
RT: 4.613 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

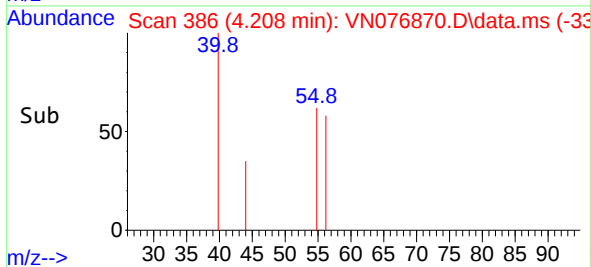
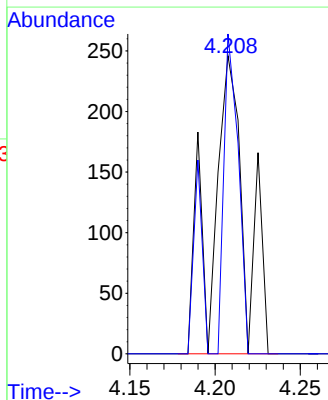
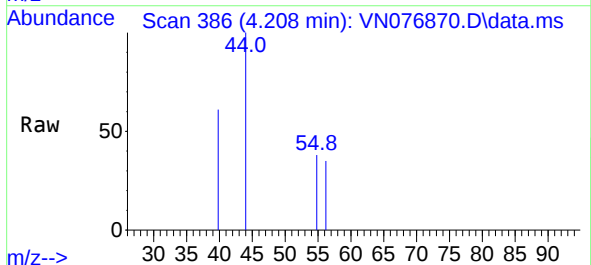
Instrument :
MSVOA_N
ClientSampleId :
TB-03-05-23

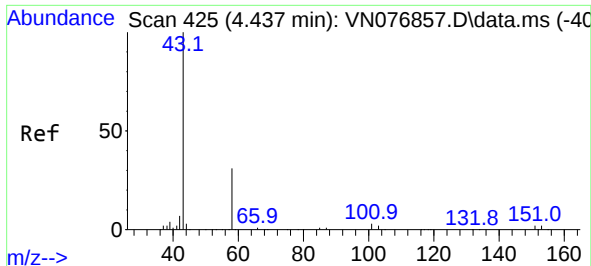
Tgt Ion:142	Resp:	3319	
Ion	Ratio	Lower	Upper
142	100		
127	39.4	35.2	52.8
141	0.0	10.2	15.2#



#13
Acrolein
Concen: 0.207 ug/l
RT: 4.208 min Scan# 386
Delta R.T. 0.013 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Tgt Ion: 56	Resp:	331	
Ion	Ratio	Lower	Upper
56	100		
55	46.8	56.7	85.1#

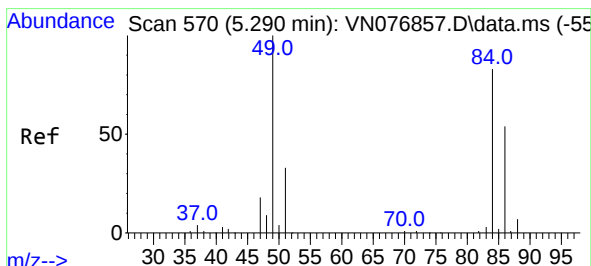
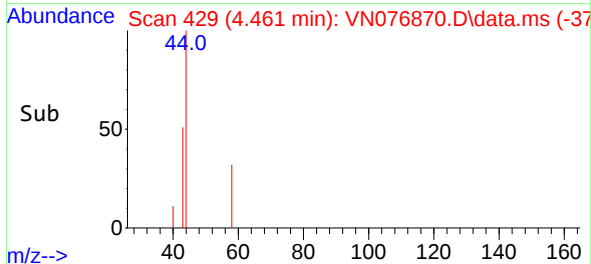
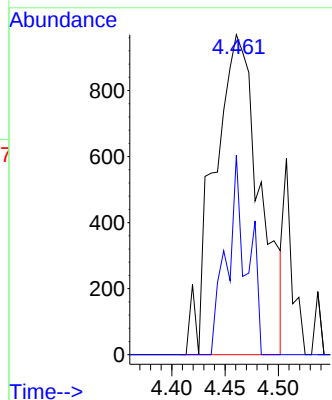
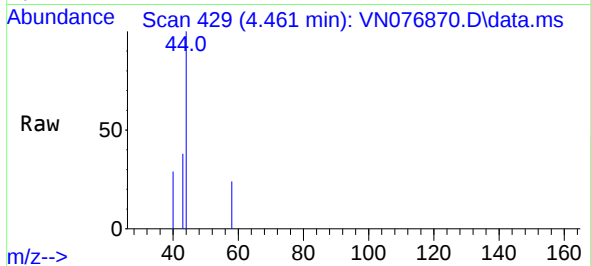




#16
Acetone
Concen: 0.794 ug/l
RT: 4.461 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

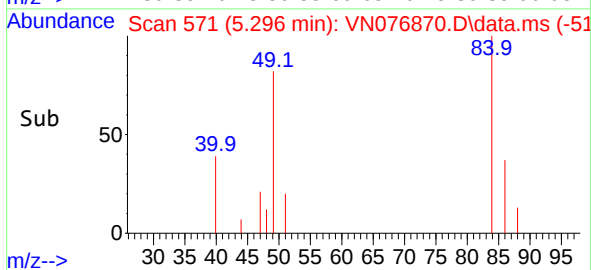
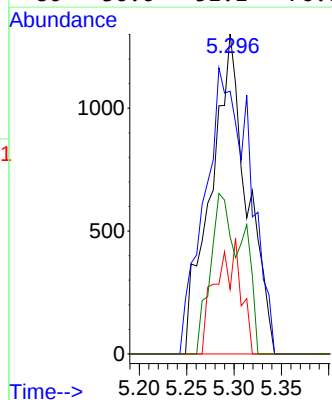
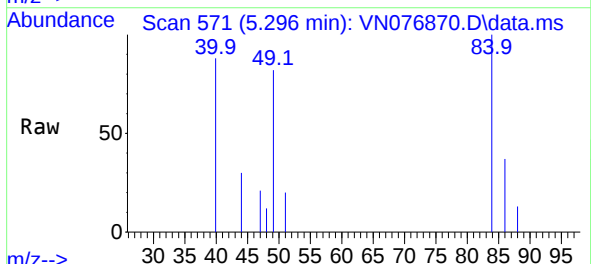
Instrument :
MSVOA_N
ClientSampleId :
TB-03-05-23

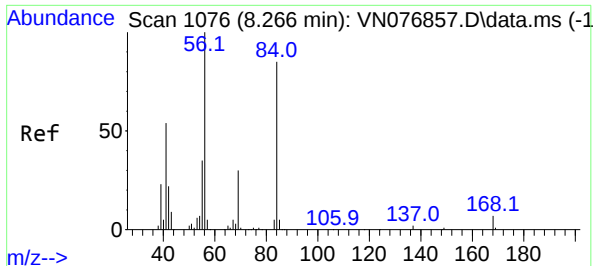
Tgt Ion: 43 Resp: 2889
Ion Ratio Lower Upper
43 100
58 62.3 28.2 42.2#



#20
Methylene Chloride
Concen: 0.408 ug/l
RT: 5.296 min Scan# 571
Delta R.T. 0.006 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

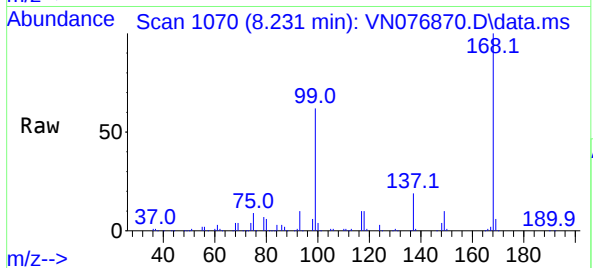
Tgt Ion: 84 Resp: 3463
Ion Ratio Lower Upper
84 100
49 82.1 76.6 114.8
51 20.2 25.4 38.2#
86 36.6 51.1 76.7#



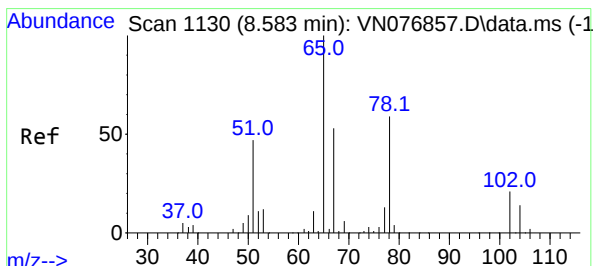
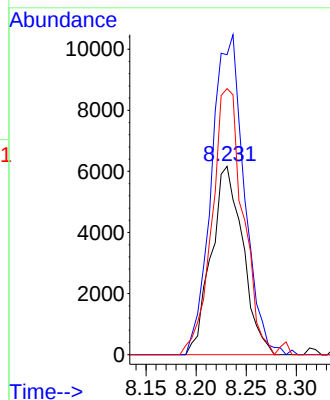
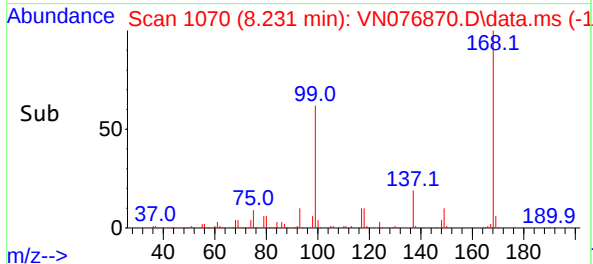


#31
Cyclohexane
Concen: 0.960 ug/l
RT: 8.231 min Scan# 1076
Delta R.T. -0.035 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

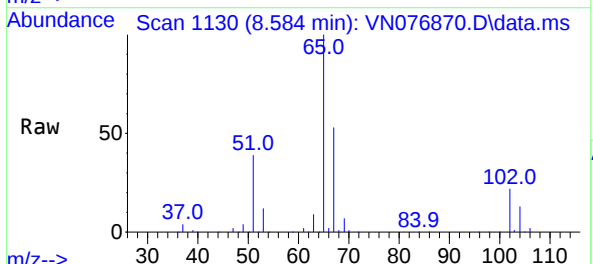
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TB-03-05-23



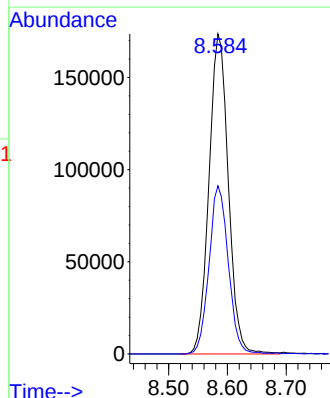
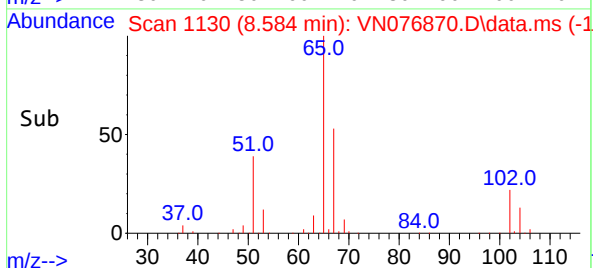
Tgt Ion: 56 Resp: 13521
Ion Ratio Lower Upper
56 100
69 159.3 27.0 40.6#
84 141.3 82.9 124.3#

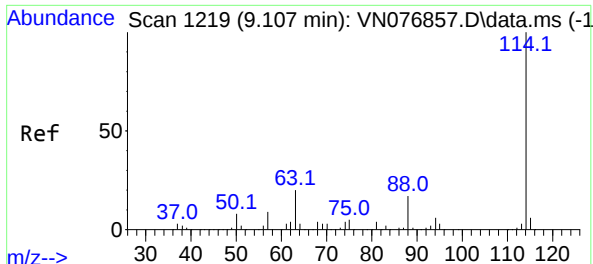


#33
1,2-Dichloroethane-d4
Concen: 47.680 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32



Tgt Ion: 65 Resp: 397323
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.2

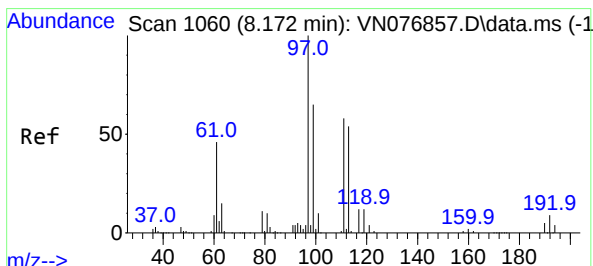
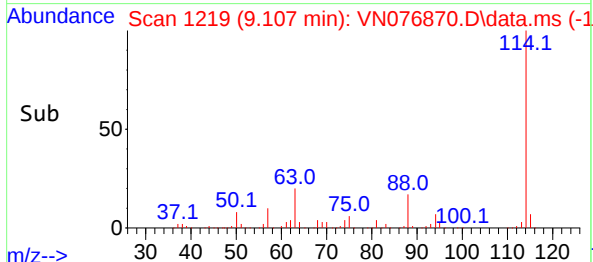
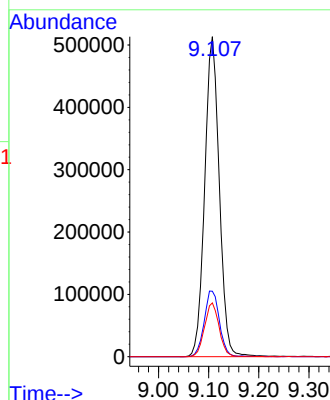
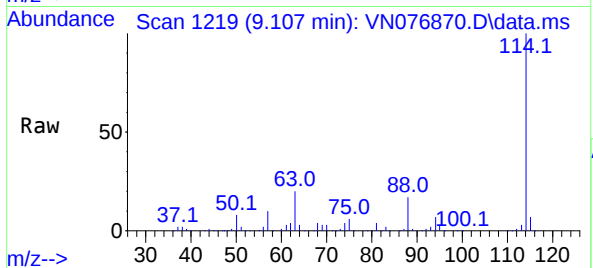




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

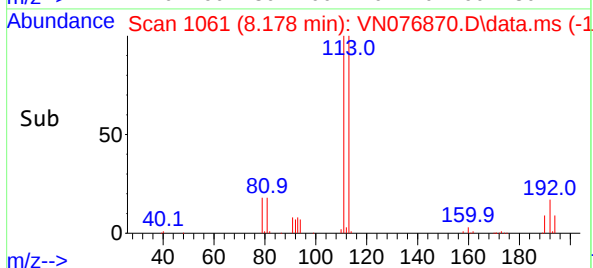
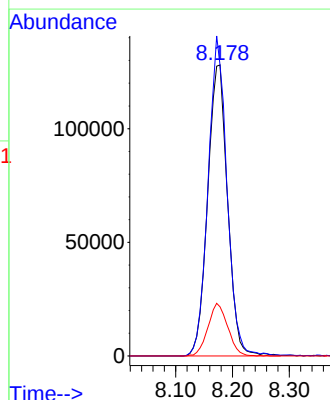
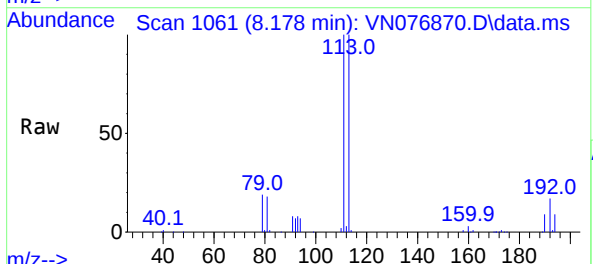
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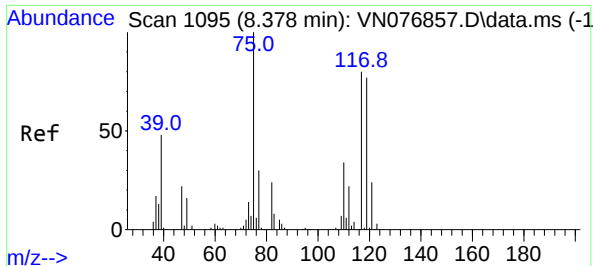
Tgt Ion:114 Resp: 1037636
Ion Ratio Lower Upper
114 100
63 20.4 0.0 36.6
88 16.8 0.0 28.6



#35
Dibromofluoromethane
Concen: 47.971 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Tgt Ion:113 Resp: 311391
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.8
192 18.0 13.9 20.9

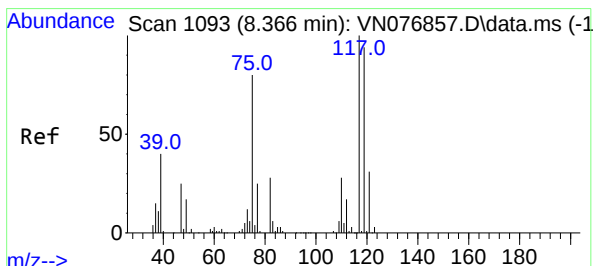
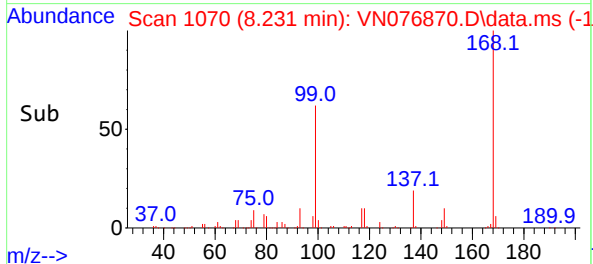
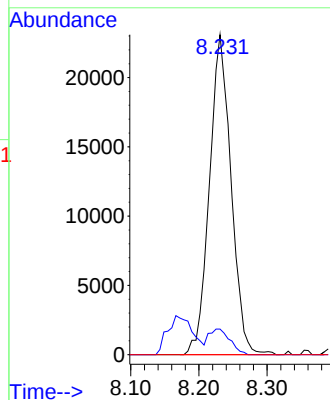
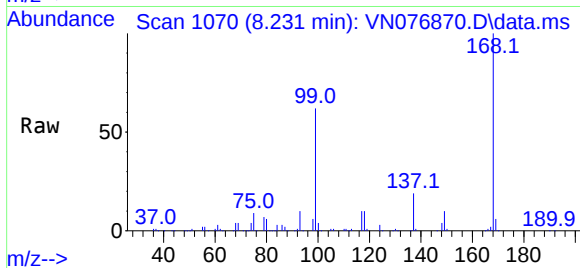




#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 8.231 min Scan# 1069
Delta R.T. -0.147 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

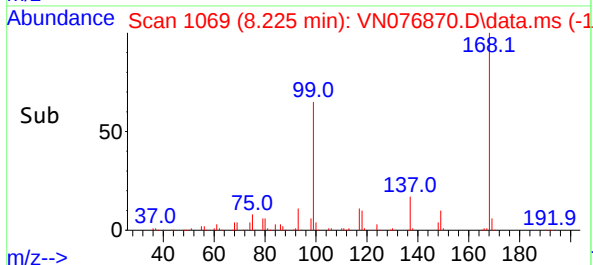
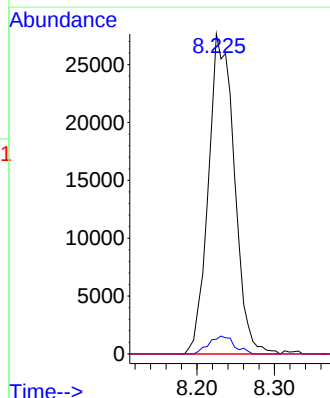
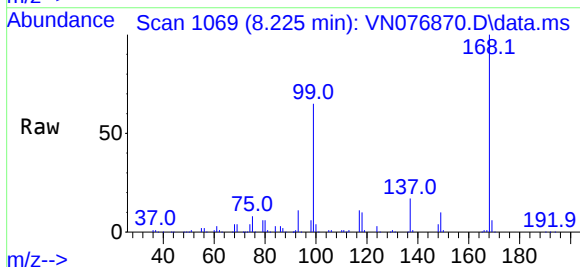
Instrument :
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TB-03-05-23

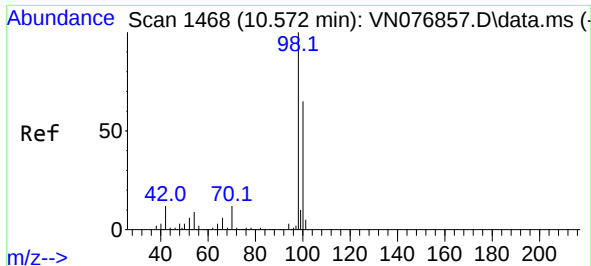
Tgt Ion: 75 Resp: 51037
Ion Ratio Lower Upper
75 100
110 7.9 18.9 56.9#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.141 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Tgt Ion: 117 Resp: 64283
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 23.2 34.8#

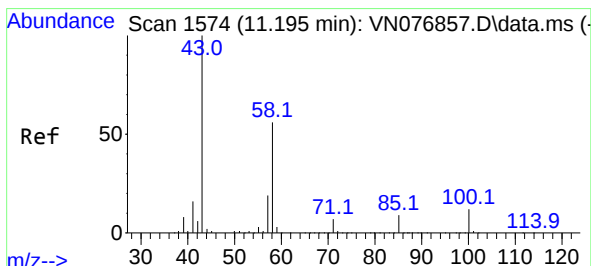
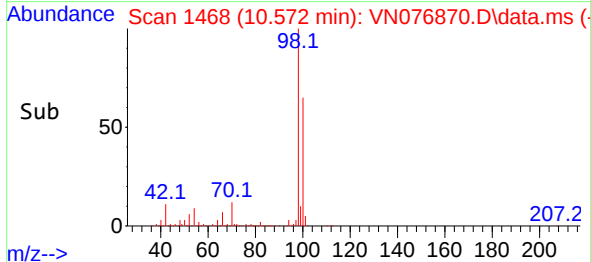
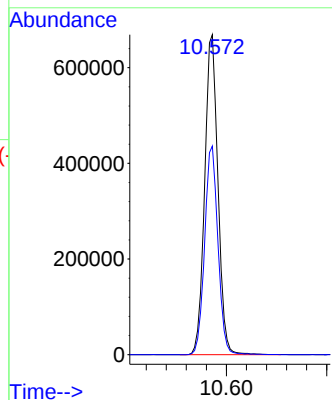
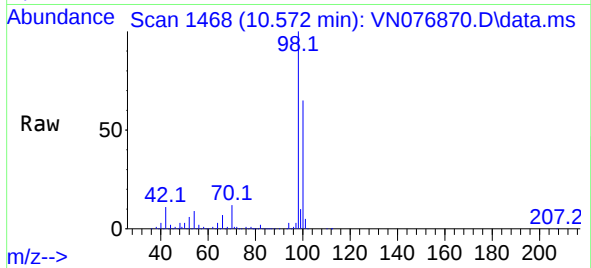




#50
Toluene-d8
Concen: 49.138 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

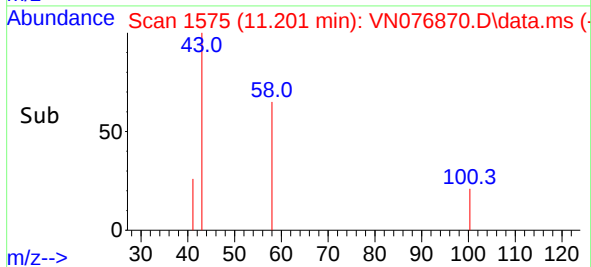
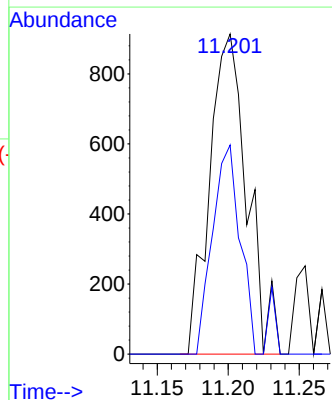
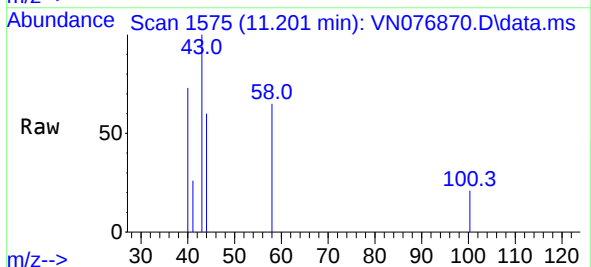
Instrument :
MSVOA_N
ClientSampleId :
TB-03-05-23

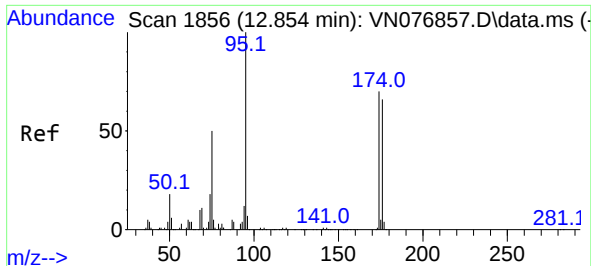
Tgt Ion: 98 Resp: 1228866
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#59
2-Hexanone
Concen: 0.225 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Tgt Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
58 48.0 32.6 98.0



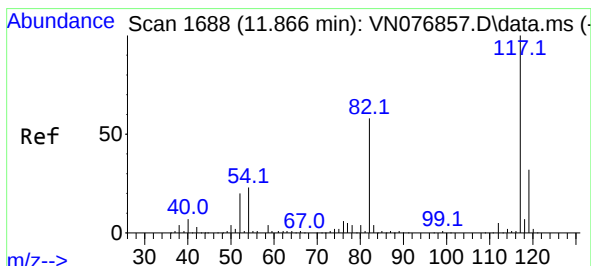
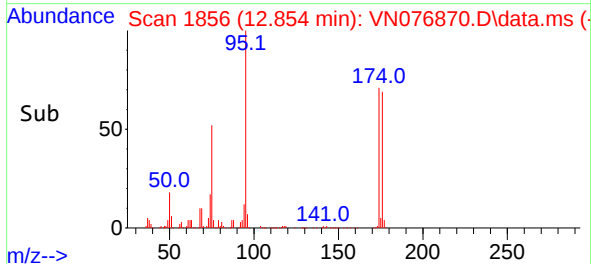
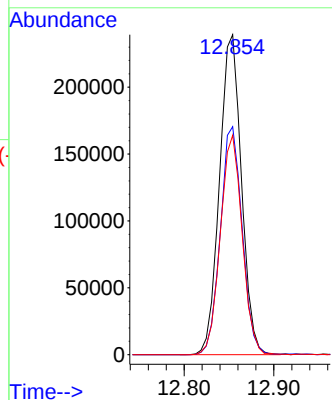
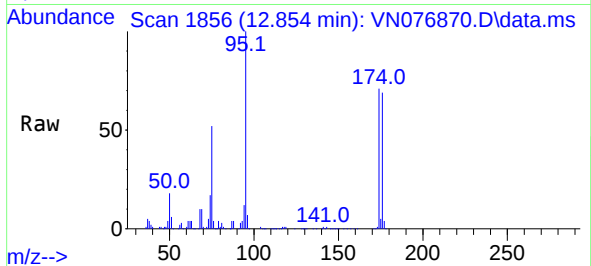


#62
4-Bromofluorobenzene
Concen: 46.834 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
TB-03-05-23

Tgt Ion: 95 Resp: 405854

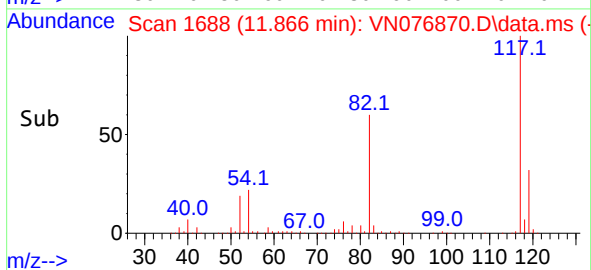
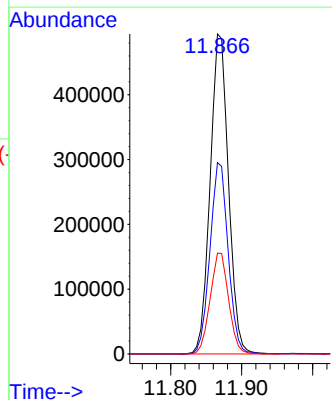
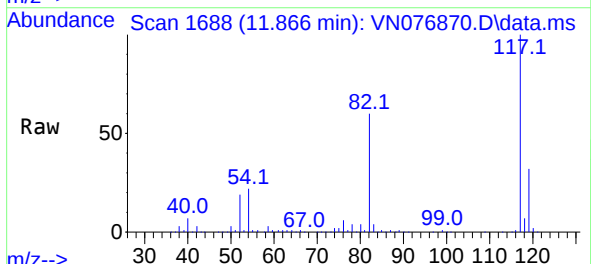
Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	162.4
176	68.2	0.0	157.4

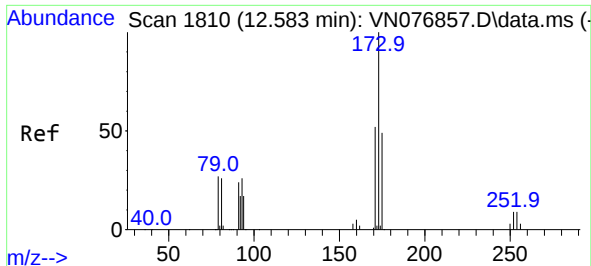


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Tgt Ion: 117 Resp: 885614

Ion	Ratio	Lower	Upper
117	100		
82	59.8	43.5	65.3
119	31.5	25.5	38.3

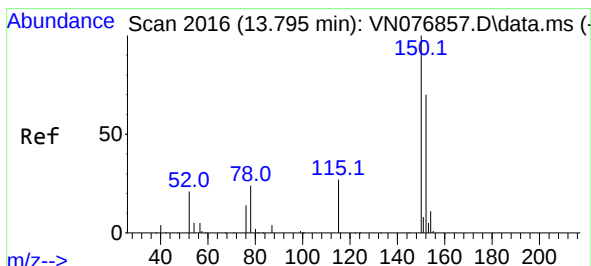
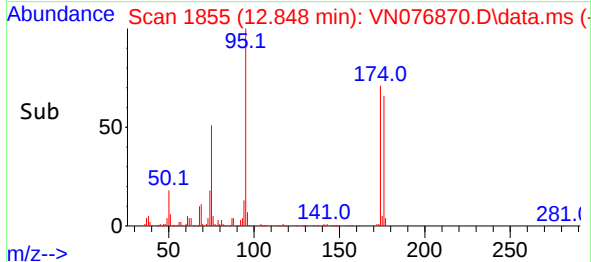
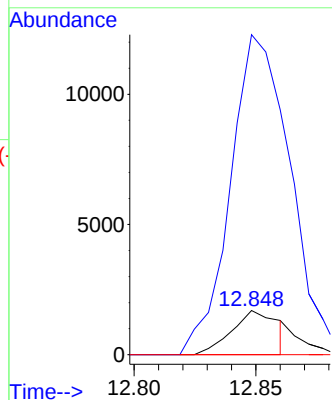
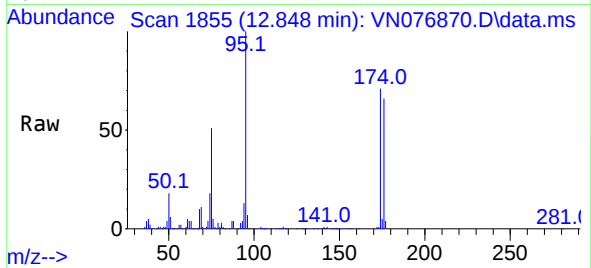




#71
Bromoform
Concen: 0.477 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

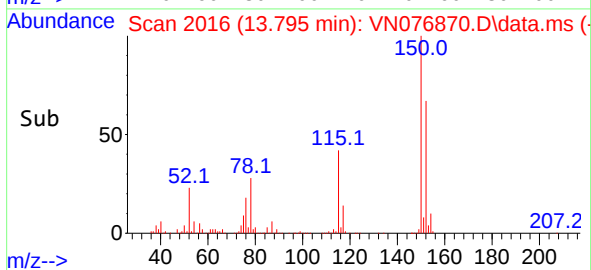
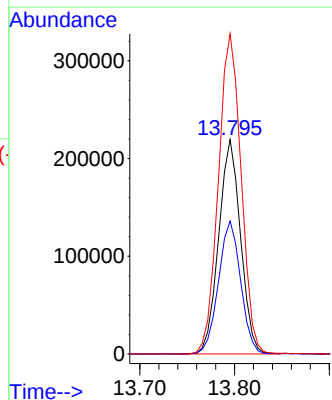
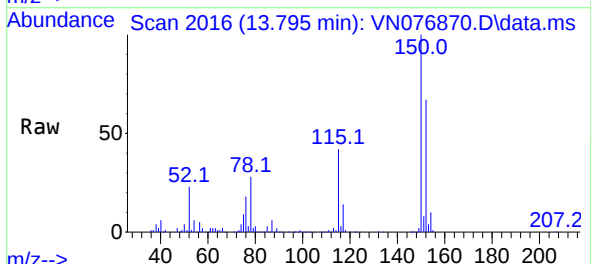
Instrument :
MSVOA_N
ClientSampleId :
TB-03-05-23

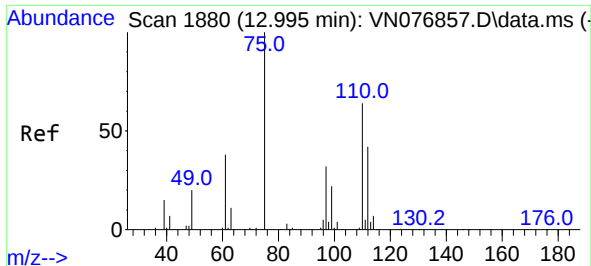
Tgt Ion:173 Resp: 2250
Ion Ratio Lower Upper
173 100
175 765.9 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Tgt Ion:152 Resp: 352420
Ion Ratio Lower Upper
152 100
115 62.9 30.3 90.9
150 155.4 0.0 353.6

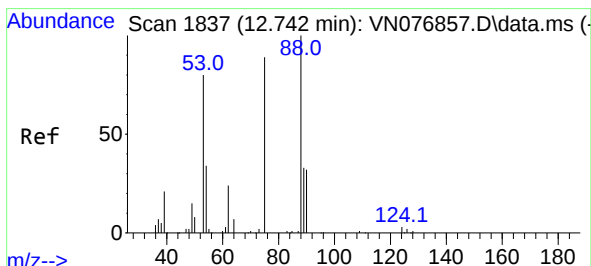
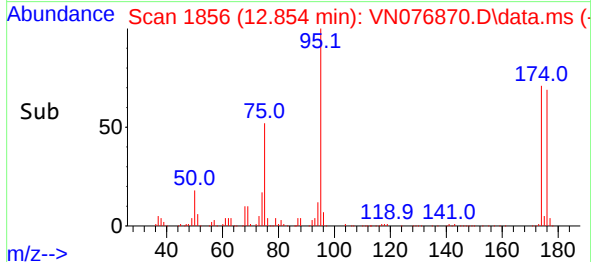
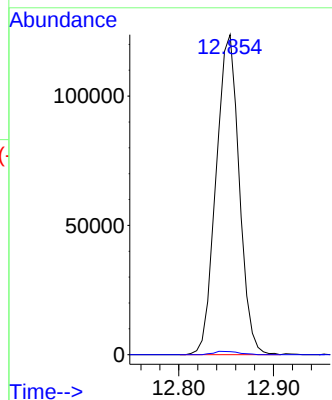
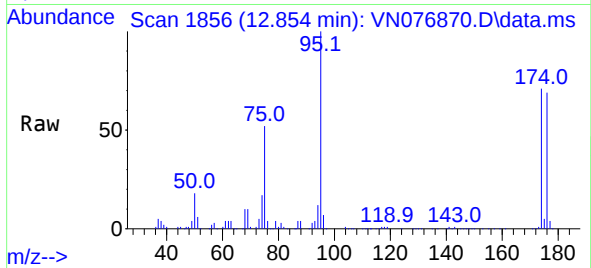




#76
1,2,3-Trichloropropane
Concen: 23.624 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

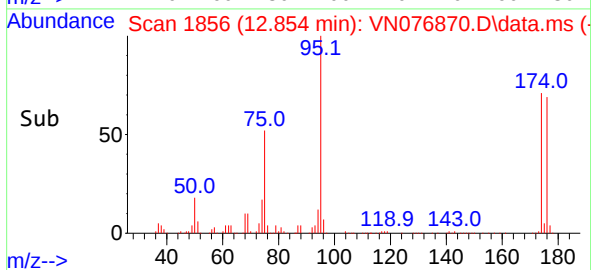
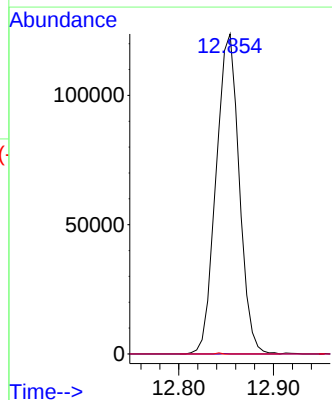
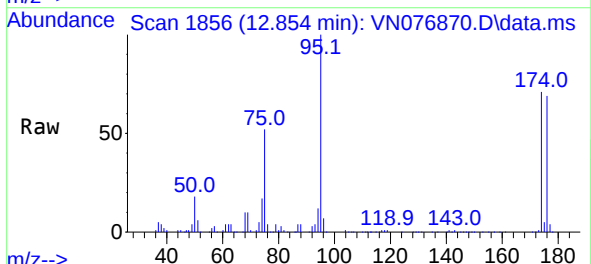
Instrument :
MSVOA_N
ClientSampleId :
TB-03-05-23

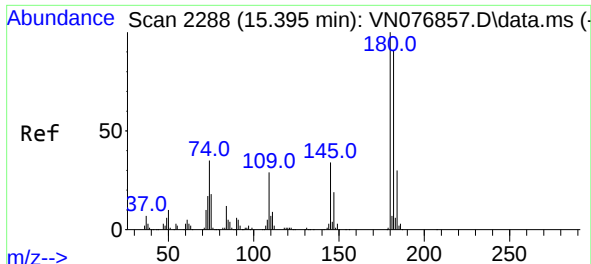
Tgt Ion: 75 Resp: 209971
Ion Ratio Lower Upper
75 100
77 1.1 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.913 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

Tgt Ion: 75 Resp: 209971
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.0#
89 0.1 39.5 59.3#

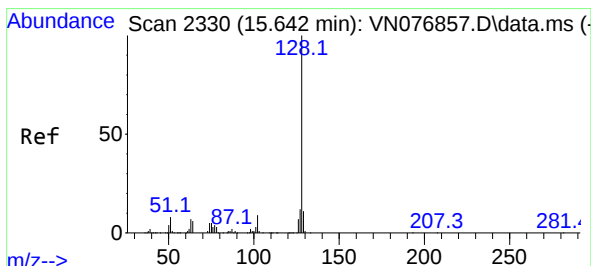
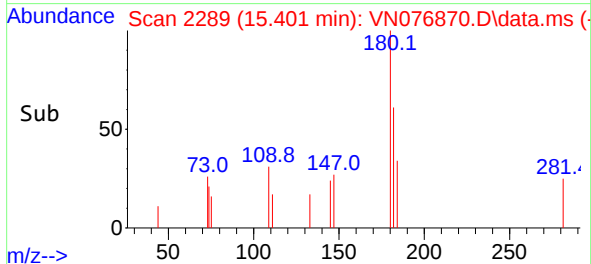
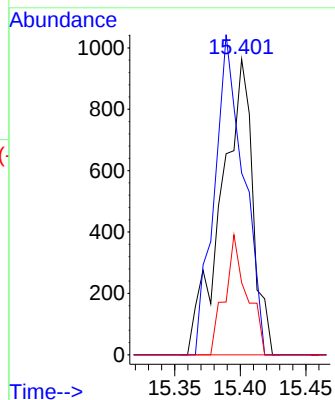
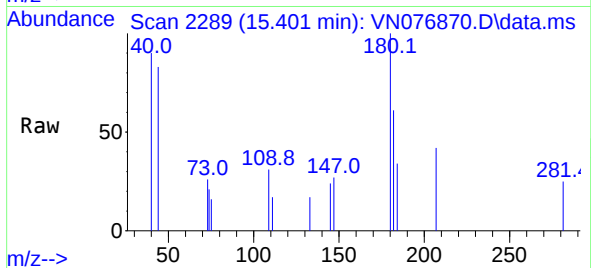




#93
1,2,4-Trichlorobenzene
Concen: 0.255 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

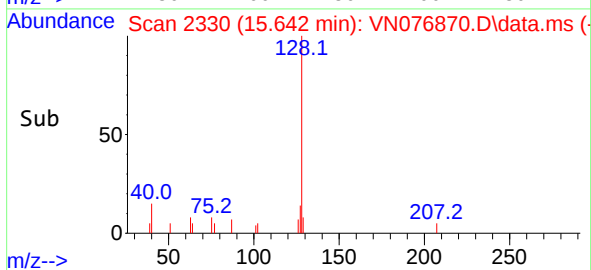
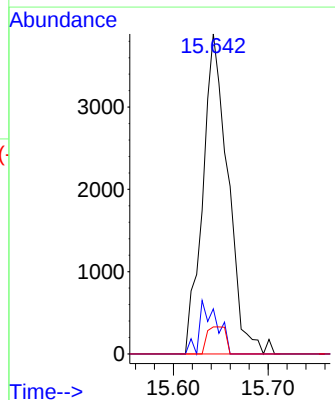
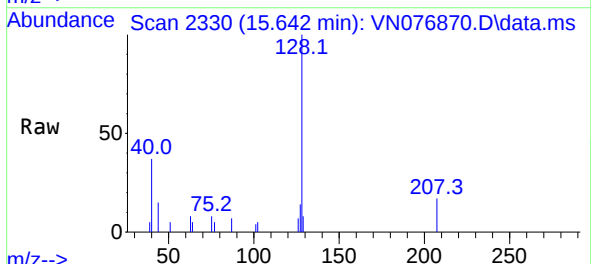
Instrument :
MSVOA_N
ClientSampleId :
TB-03-05-23

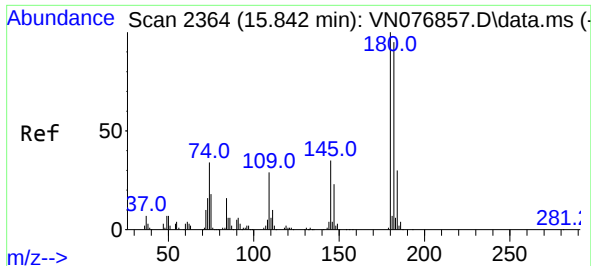
Tgt Ion:180 Resp: 1603
Ion Ratio Lower Upper
180 100
182 101.1 47.4 142.2
145 28.8 15.8 47.3



#95
Naphthalene
Concen: 0.359 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. 0.000 min
Lab File: VN076870.D
Acq: 07 Mar 2023 14:32

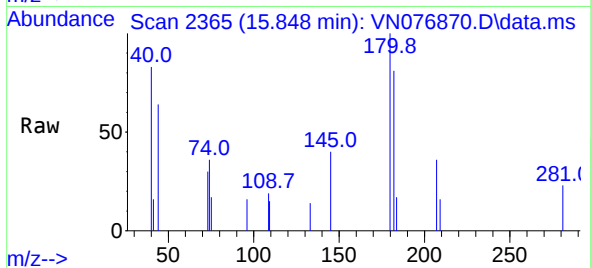
Tgt Ion:128 Resp: 7231
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 6.2 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.330 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076870.D
 Acq: 07 Mar 2023 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-03-05-23



Tgt Ion:	180	Resp:	2040
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.7	143.1#
145	17.0	17.0	51.0

