

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030823\
 Data File : VN076876.D
 Acq On : 08 Mar 2023 10:57
 Operator : JC\MD
 Sample : VN0308WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0308WBL01

Quant Time: Mar 09 03:20:35 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)

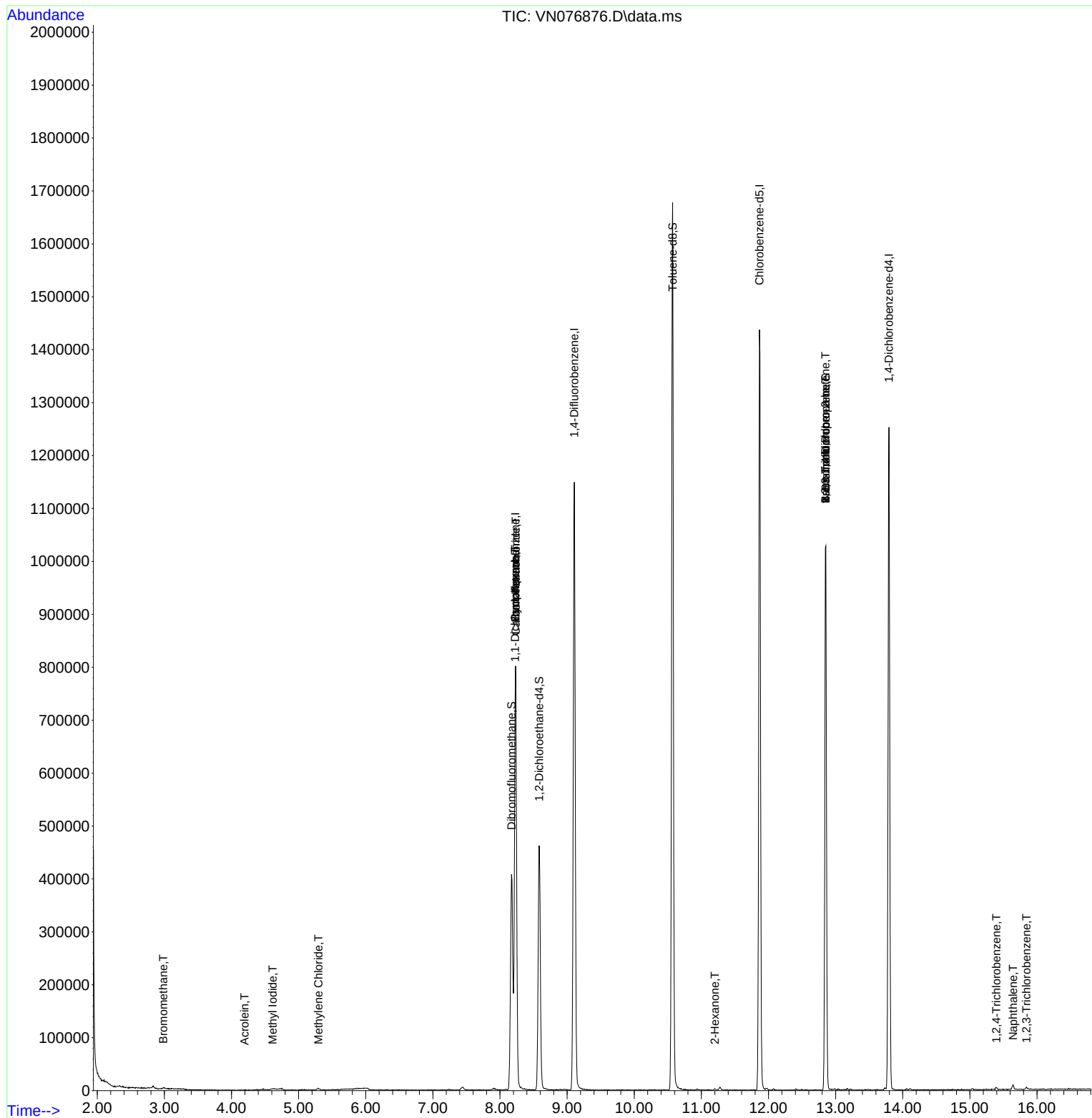
Internal Standards						
1) Pentafluorobenzene	8.231	168	580212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	997543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	869564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	340762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	377121	46.359	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.720%		
35) Dibromofluoromethane	8.172	113	305694	48.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.980%		
50) Toluene-d8	10.572	98	1182042	49.165	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.320%		
62) 4-Bromofluorobenzene	12.854	95	383051	45.979	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.960%		
Target Compounds						Qvalue
5) Bromomethane	2.984	94	1799	0.336	ug/l #	72
6) Chloroethane	3.137	64	121	Below Cal	#	42
10) Methyl Iodide	4.613	142	3099	0.428	ug/l #	67
13) Acrolein	4.196	56	414	0.265	ug/l #	82
20) Methylene Chloride	5.296	84	2188	0.264	ug/l #	87
31) Cyclohexane	8.231	56	12840	0.934	ug/l #	1
36) 1,1-Dichloropropene	8.225	75	48133	4.799	ug/l #	49
38) Carbon Tetrachloride	8.237	117	62326	6.117	ug/l #	17
59) 2-Hexanone	11.201	43	2076	0.288	ug/l	64
71) Bromoform	12.848	173	2111	0.456	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	194298	22.609	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	194298	74.564	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.395	180	1767	0.291	ug/l	85
95) Naphthalene	15.642	128	7741	0.397	ug/l	96
96) 1,2,3-Trichlorobenzene	15.842	180	1790	0.299	ug/l	86

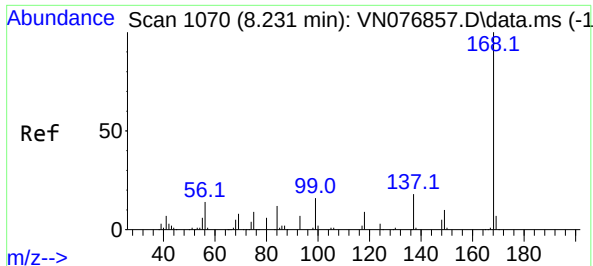
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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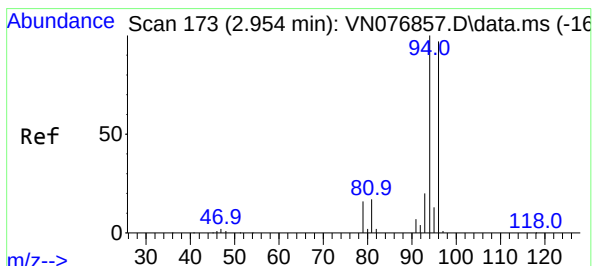
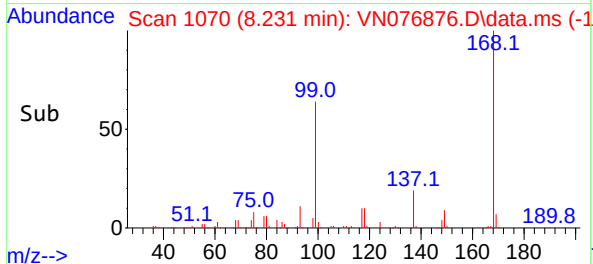
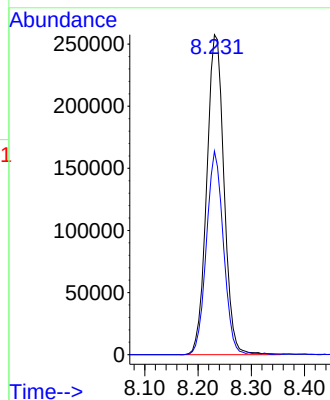
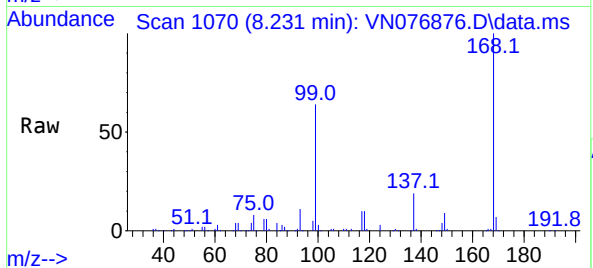




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

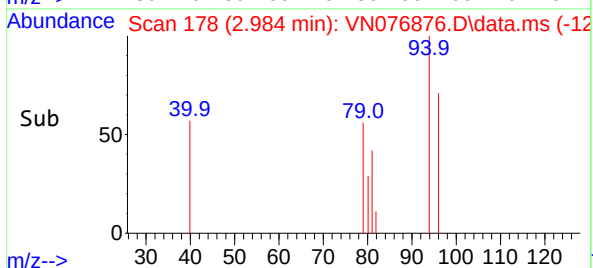
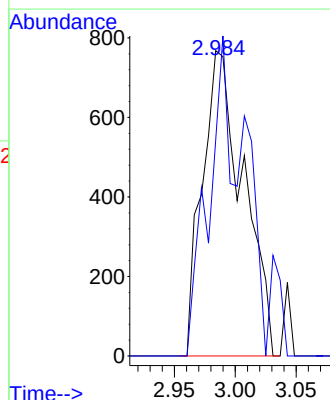
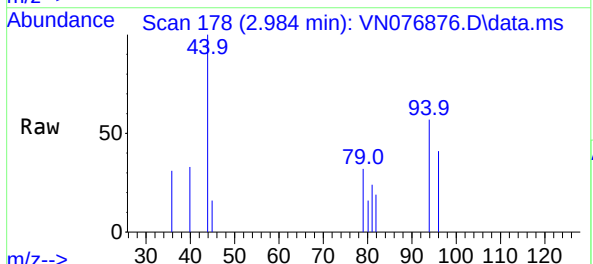
Instrument :
MSVOA_N
ClientSampleId :
VN0308WBL01

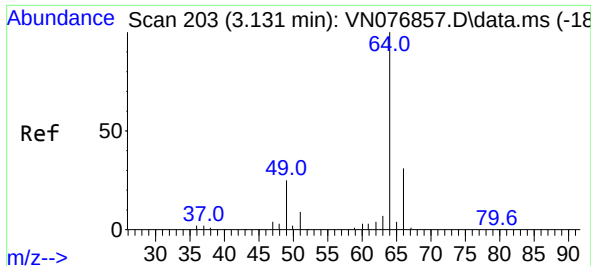
Tgt Ion:168 Resp: 580212
Ion Ratio Lower Upper
168 100
99 63.6 48.6 73.0



#5
Bromomethane
Concen: 0.336 ug/l
RT: 2.984 min Scan# 178
Delta R.T. 0.030 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

Tgt Ion: 94 Resp: 1799
Ion Ratio Lower Upper
94 100
96 70.8 79.0 118.6#

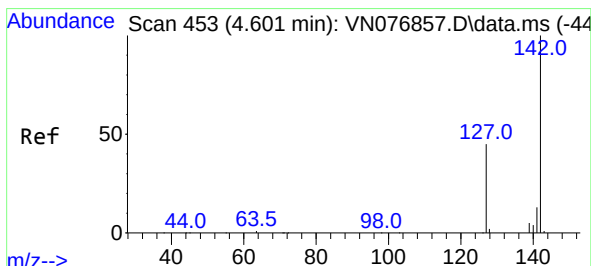
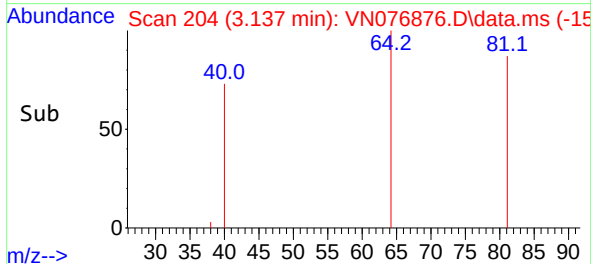
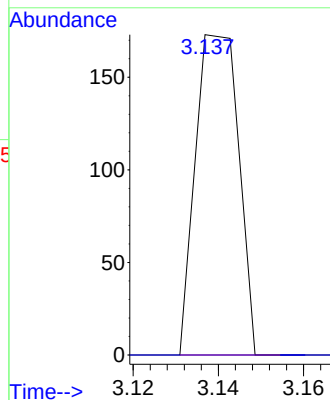
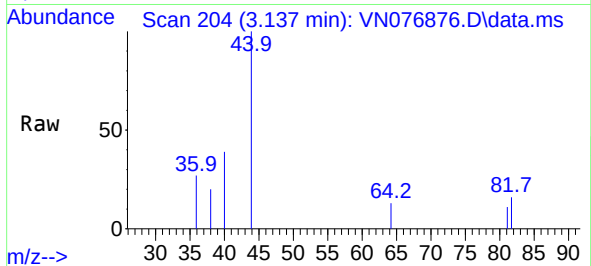




#6
Chloroethane
Concen: Below Cal
RT: 3.137 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

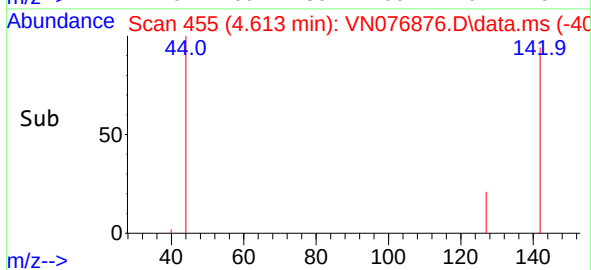
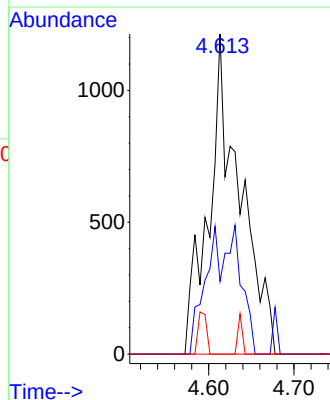
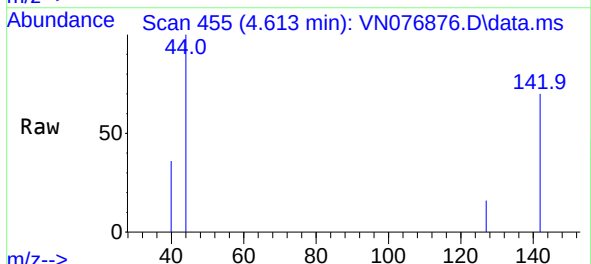
Instrument :
MSVOA_N
ClientSampleId :
VN0308WBL01

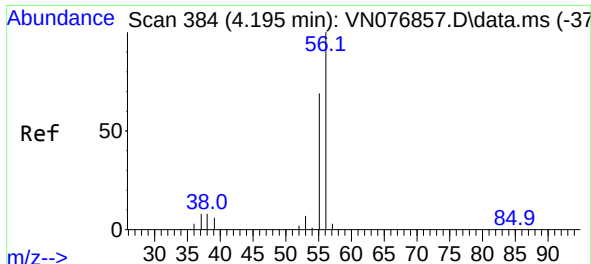
Tgt Ion: 64 Resp: 121
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#10
Methyl Iodide
Concen: 0.428 ug/l
RT: 4.613 min Scan# 455
Delta R.T. 0.012 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

Tgt Ion:142 Resp: 3099
Ion Ratio Lower Upper
142 100
127 22.7 35.2 52.8#
141 0.0 10.2 15.2#

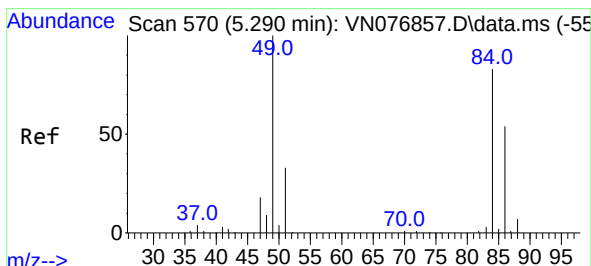
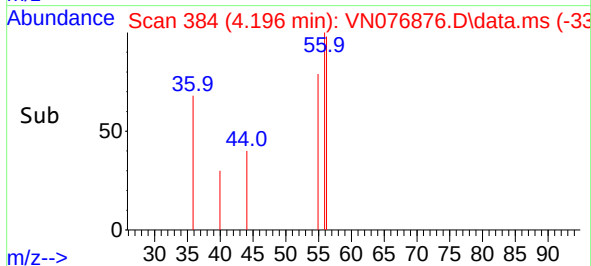
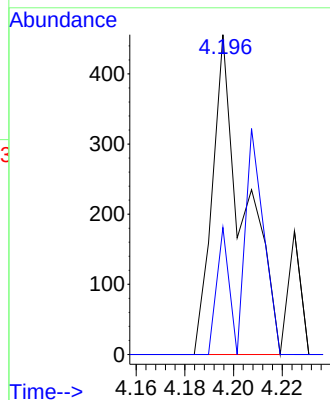
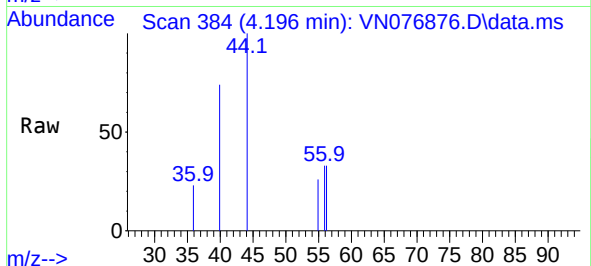




#13
Acrolein
Concen: 0.265 ug/l
RT: 4.196 min Scan# 384
Delta R.T. 0.001 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

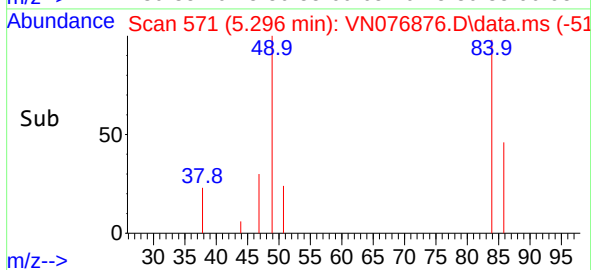
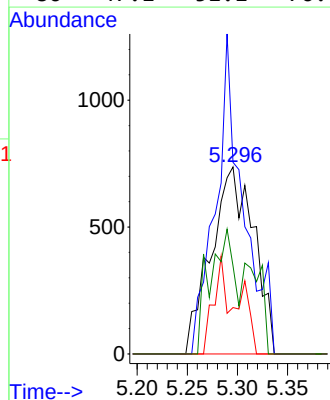
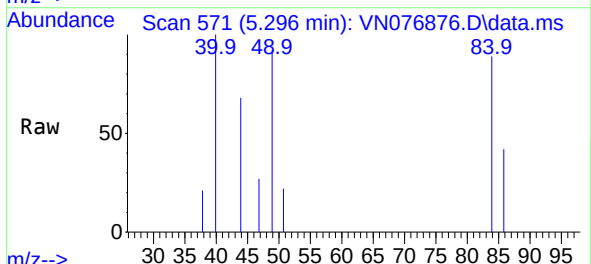
Instrument :
MSVOA_N
ClientSampleId :
VN0308WBL01

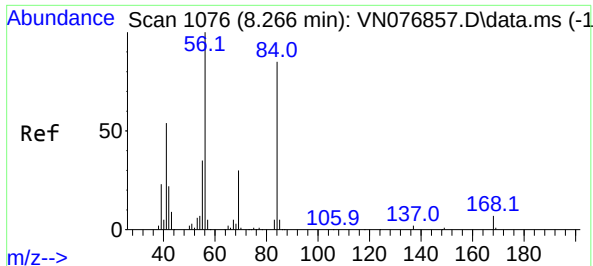
Tgt Ion: 56 Resp: 414
Ion Ratio Lower Upper
56 100
55 56.0 56.7 85.1#



#20
Methylene Chloride
Concen: 0.264 ug/l
RT: 5.296 min Scan# 571
Delta R.T. 0.006 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

Tgt Ion: 84 Resp: 2188
Ion Ratio Lower Upper
84 100
49 102.4 76.6 114.8
51 24.8 25.4 38.2#
86 47.1 51.1 76.7#

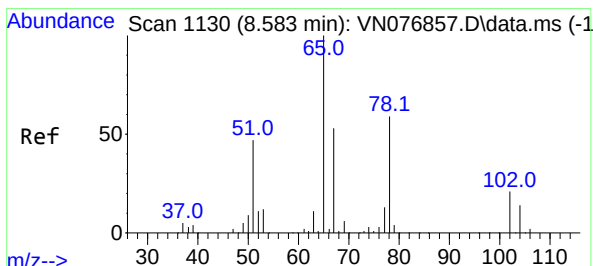
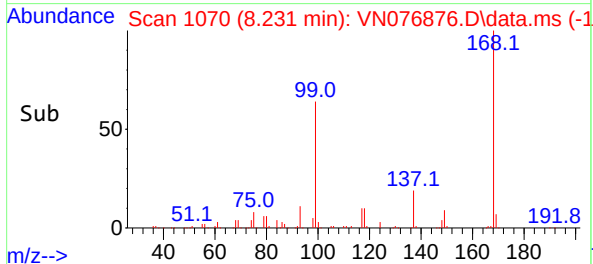
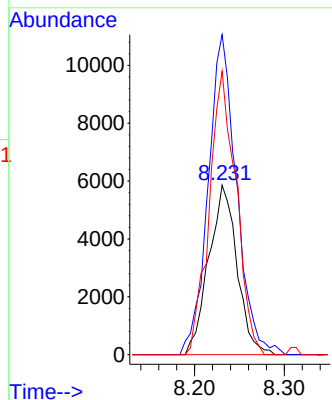
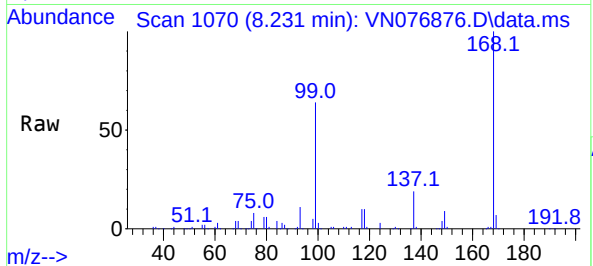




#31
Cyclohexane
Concen: 0.934 ug/l
RT: 8.231 min Scan# 1076
Delta R.T. -0.035 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

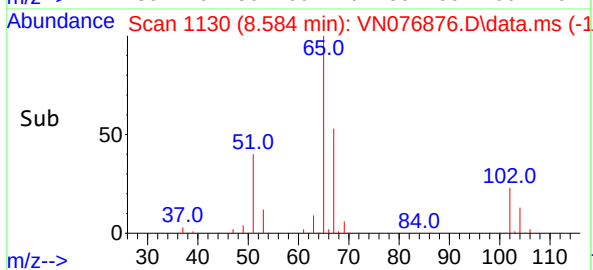
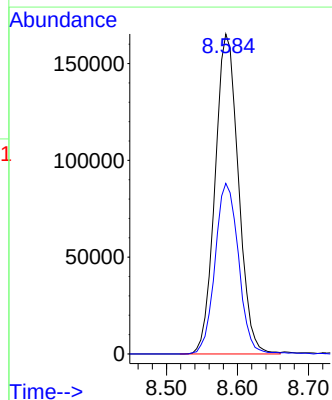
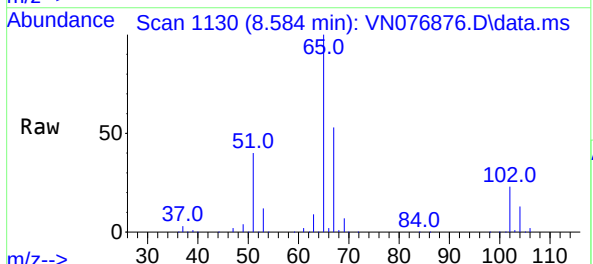
Instrument :
MSVOA_N
ClientSampleId :
VN0308WBL01

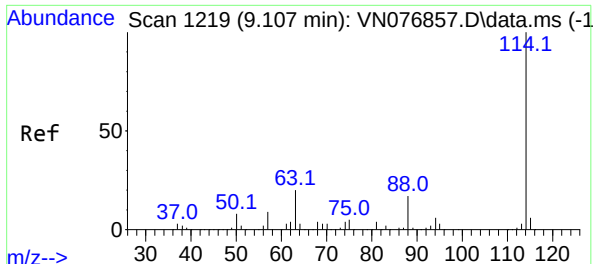
Tgt Ion: 56 Resp: 12840
Ion Ratio Lower Upper
56 100
69 188.9 27.0 40.6#
84 167.4 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 46.359 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

Tgt Ion: 65 Resp: 377121
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.2

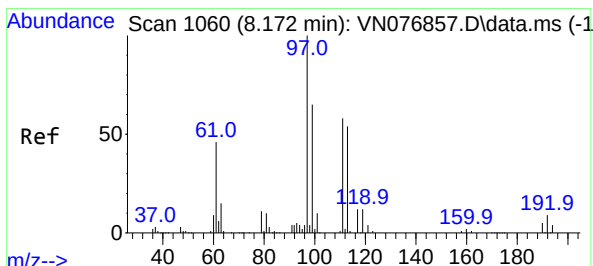
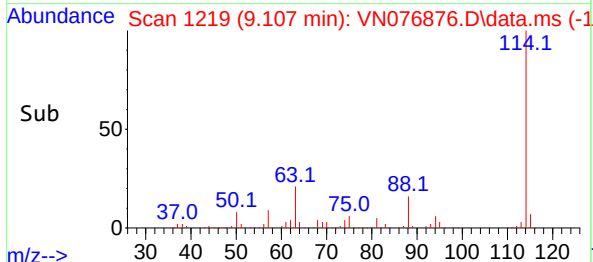
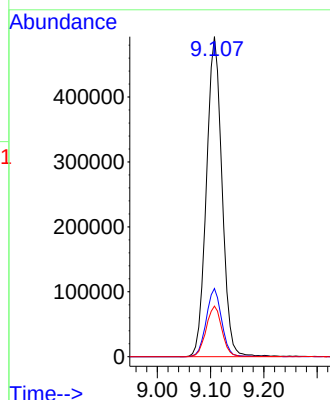
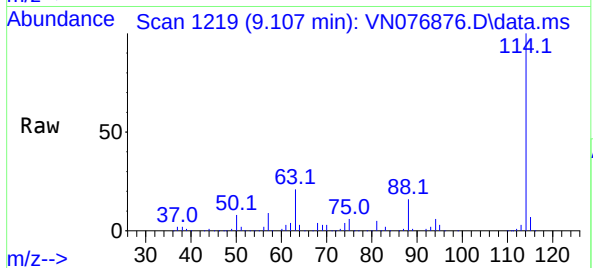




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

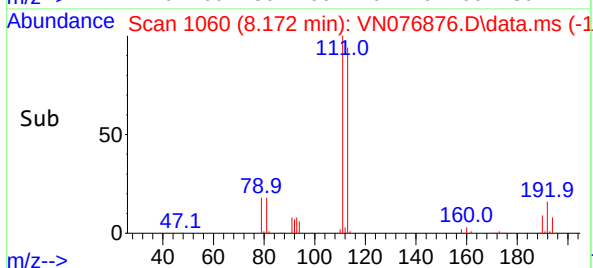
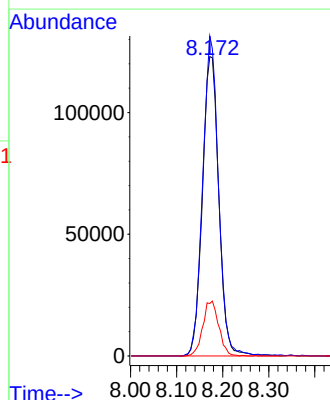
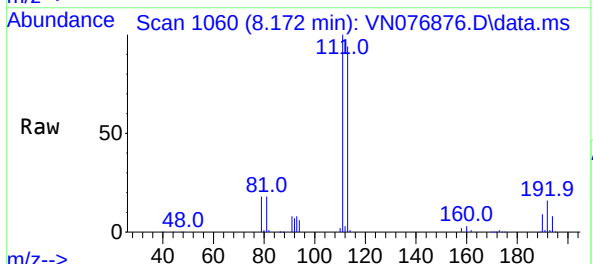
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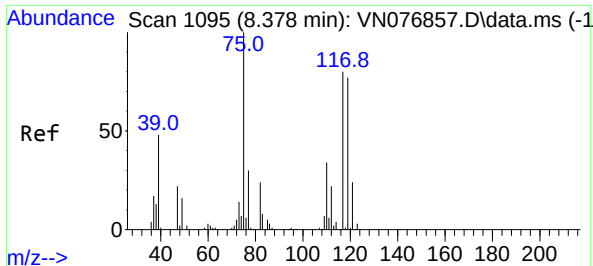
Tgt Ion:114 Resp: 997543
Ion Ratio Lower Upper
114 100
63 21.3 0.0 36.6
88 15.8 0.0 28.6



#35
Dibromofluoromethane
Concen: 48.986 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

Tgt Ion:113 Resp: 305694
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 17.8 13.9 20.9





#36

1,1-Dichloropropene

Concen: 4.799 ug/l

RT: 8.225 min Scan# 1071

Delta R.T. -0.153 min

Lab File: VN076876.D

Acq: 08 Mar 2023 10:57

Instrument :

MSVOA_N

ClientSampleId :

VN0308WBL01

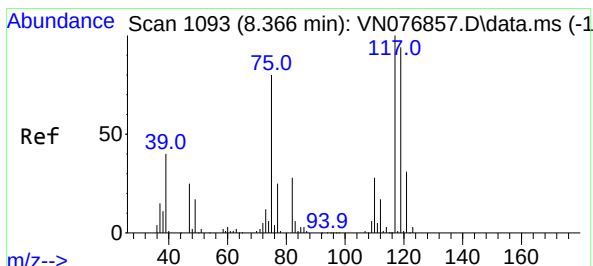
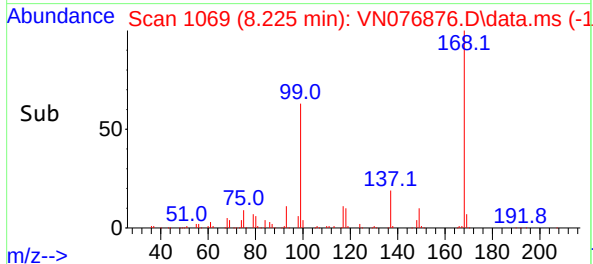
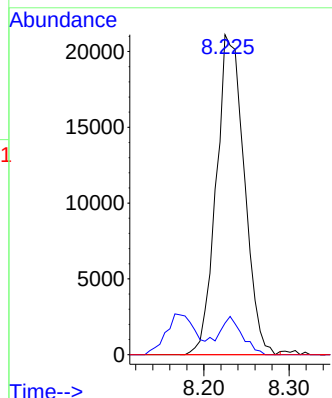
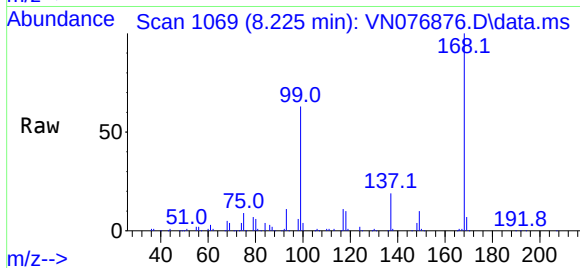
Tgt Ion: 75 Resp: 48133

Ion Ratio Lower Upper

75 100

110 10.3 18.9 56.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.117 ug/l

RT: 8.237 min Scan# 1071

Delta R.T. -0.129 min

Lab File: VN076876.D

Acq: 08 Mar 2023 10:57

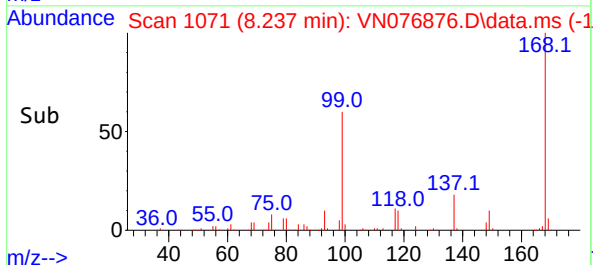
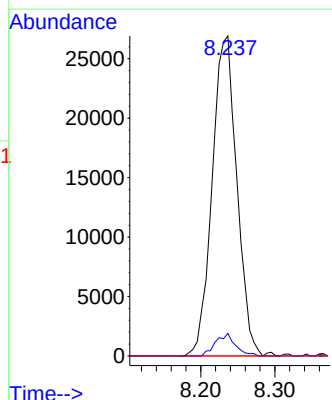
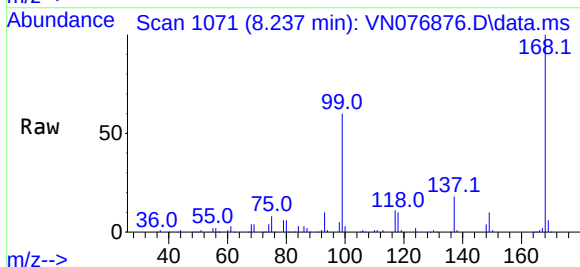
Tgt Ion: 117 Resp: 62326

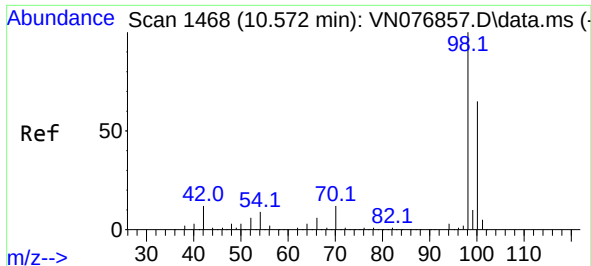
Ion Ratio Lower Upper

117 100

119 7.1 76.9 115.3#

121 0.0 23.2 34.8#

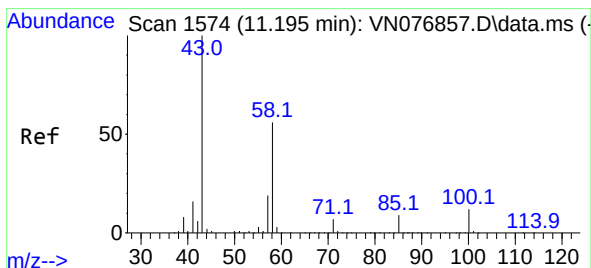
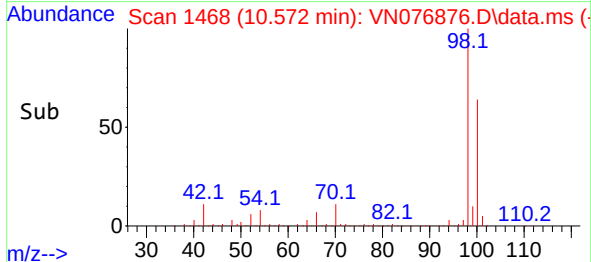
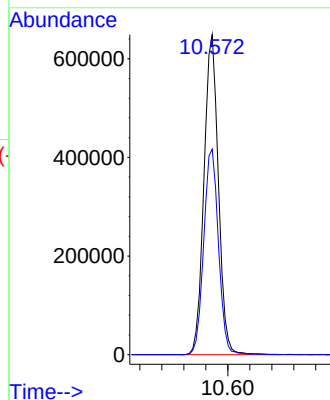
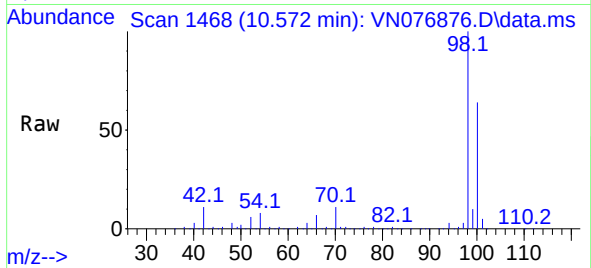




#50
Toluene-d8
Concen: 49.165 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

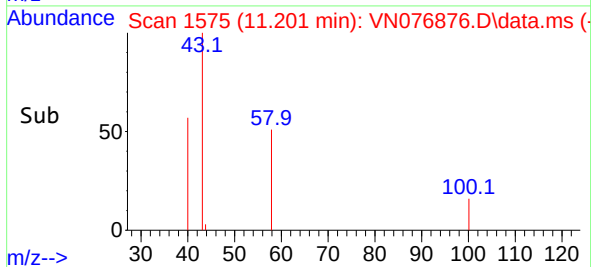
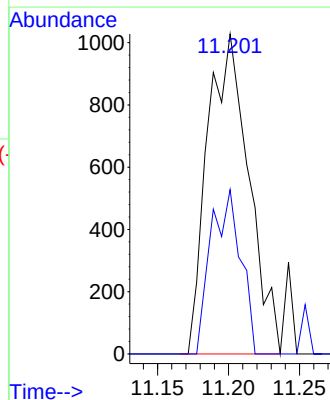
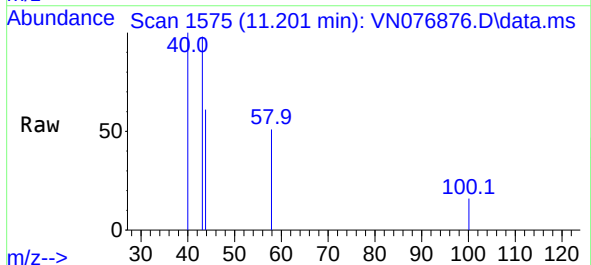
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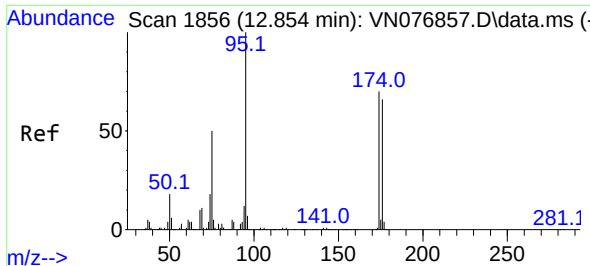
Tgt Ion: 98 Resp: 1182042
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2



#59
2-Hexanone
Concen: 0.288 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

Tgt Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
58 37.1 32.6 98.0

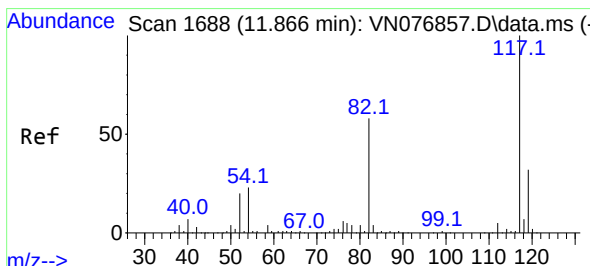
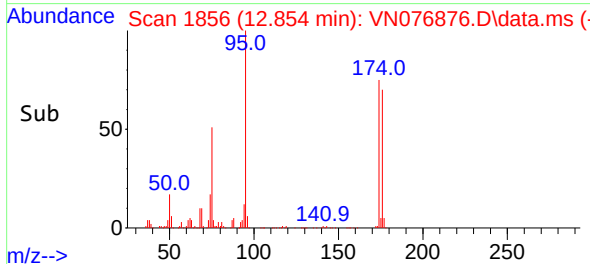
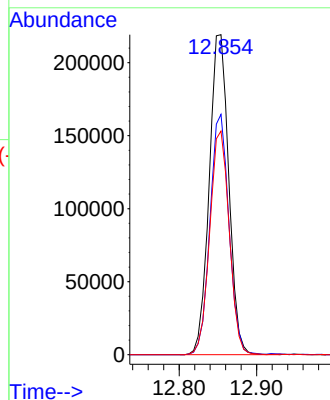
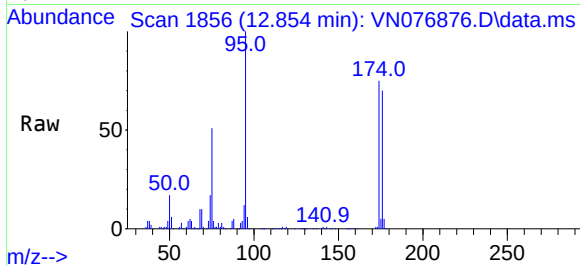




#62
4-Bromofluorobenzene
Concen: 45.979 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

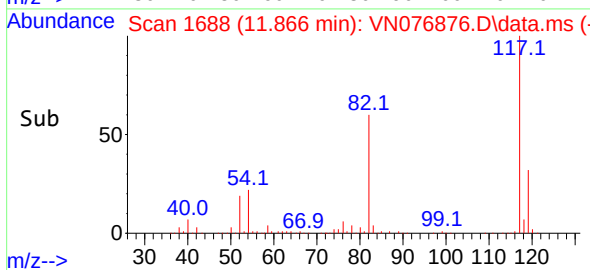
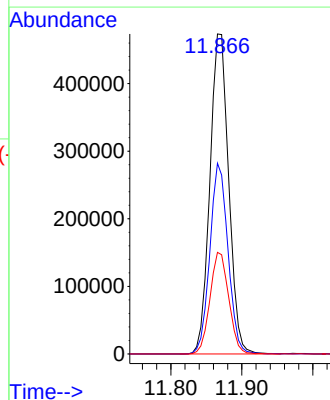
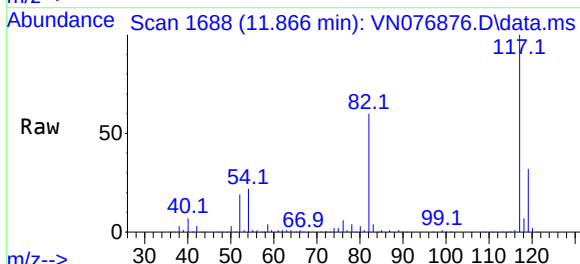
Instrument :
MSVOA_N
ClientSampleId :
VN0308WBL01

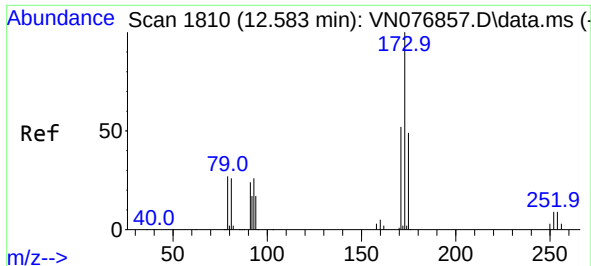
Tgt Ion: 95 Resp: 383051
Ion Ratio Lower Upper
95 100
174 73.2 0.0 162.4
176 69.6 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

Tgt Ion: 117 Resp: 869564
Ion Ratio Lower Upper
117 100
82 59.6 43.5 65.3
119 31.7 25.5 38.3

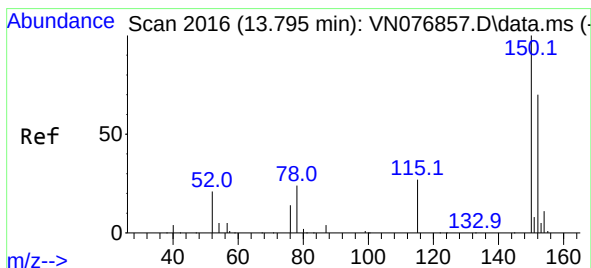
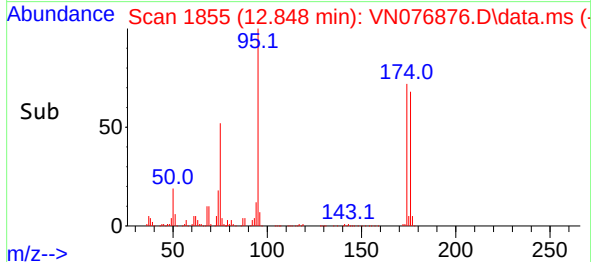
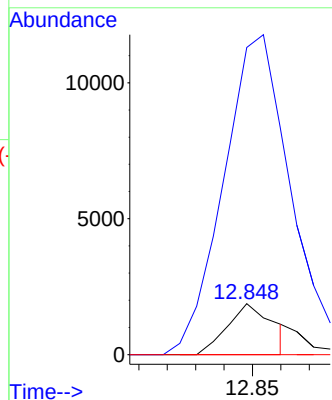
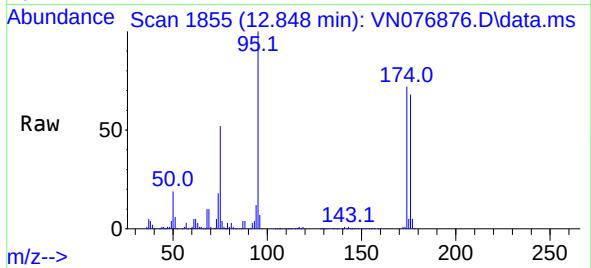




#71
Bromoform
Concen: 0.456 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

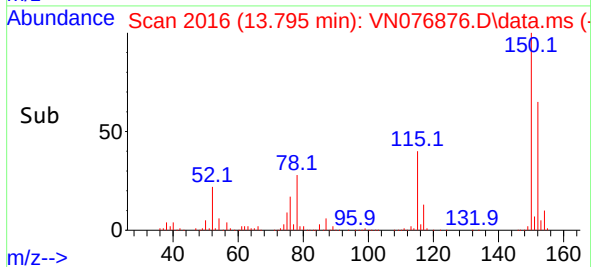
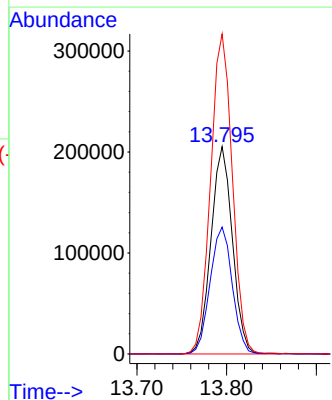
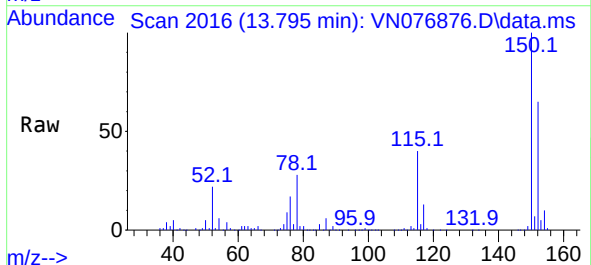
Instrument :
MSVOA_N
ClientSampleId :
VN0308WBL01

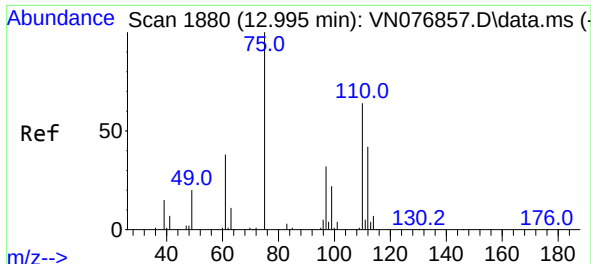
Tgt Ion:173 Resp: 2111
Ion Ratio Lower Upper
173 100
175 764.9 24.9 74.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

Tgt Ion:152 Resp: 340762
Ion Ratio Lower Upper
152 100
115 63.3 30.3 90.9
150 156.6 0.0 353.6

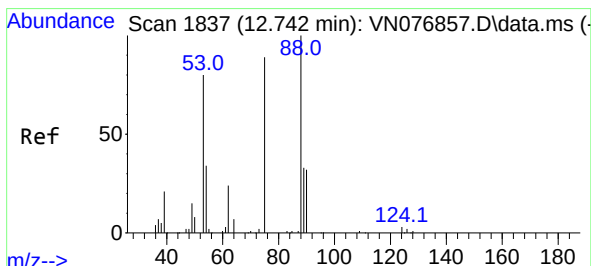
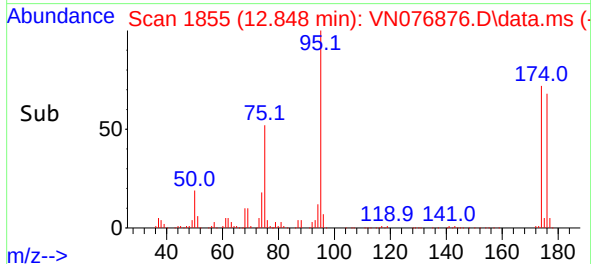
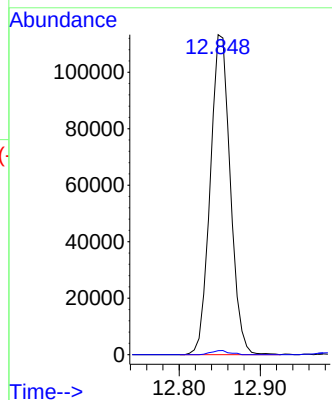
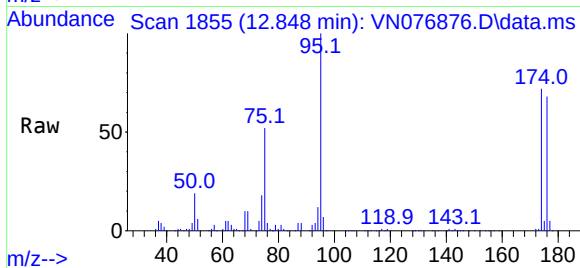




#76
1,2,3-Trichloropropane
Concen: 22.609 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

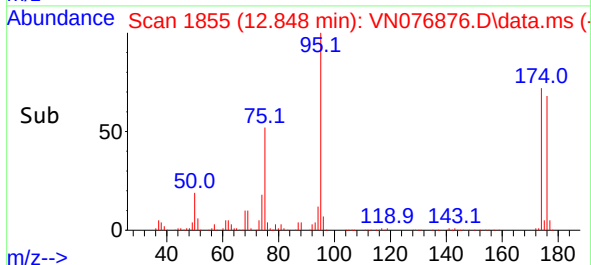
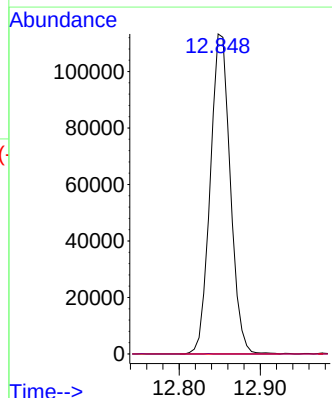
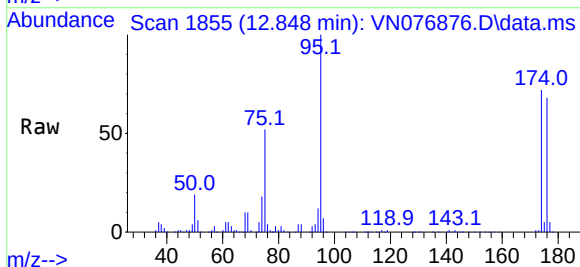
Instrument :
MSVOA_N
ClientSampleId :
VN0308WBL01

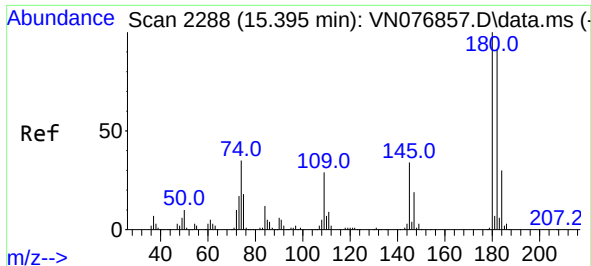
Tgt Ion: 75 Resp: 194298
Ion Ratio Lower Upper
75 100
77 1.1 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.564 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.106 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

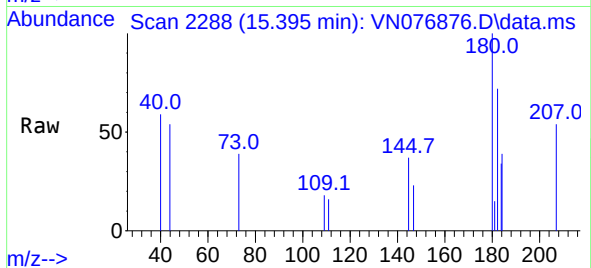
Tgt Ion: 75 Resp: 194298
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.0#
89 0.0 39.5 59.3#



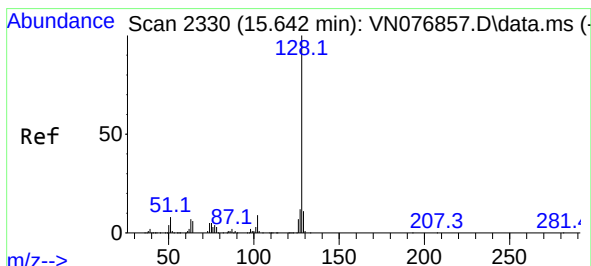
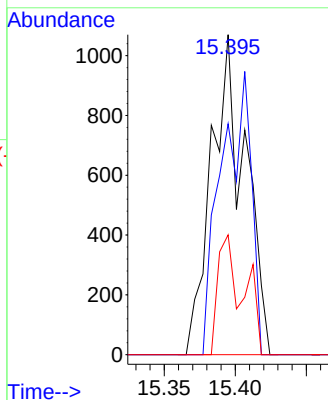
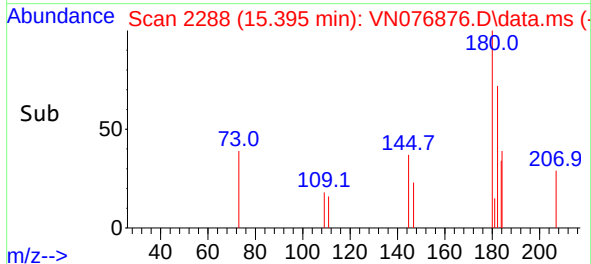


#93
1,2,4-Trichlorobenzene
Concen: 0.291 ug/l
RT: 15.395 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57

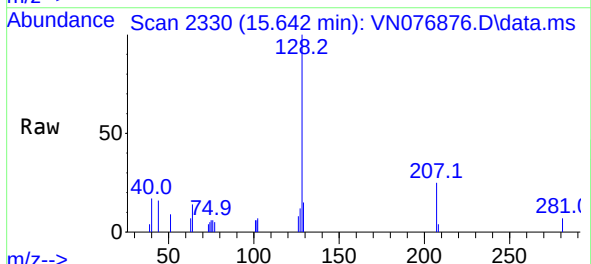
Instrument :
MSVOA_N
ClientSampleId :
VN0308WBL01



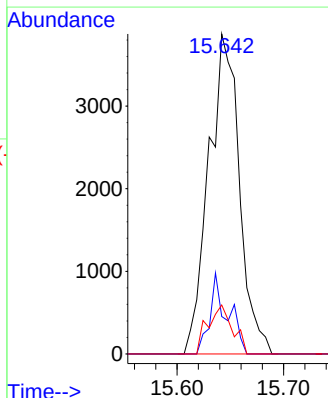
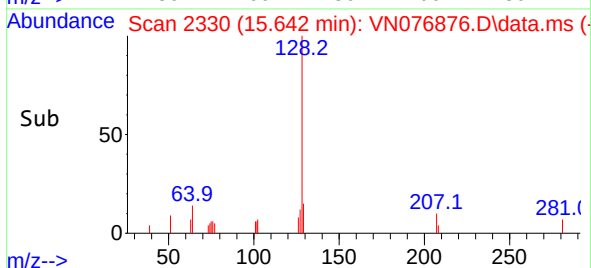
Tgt Ion:180 Resp: 1767
Ion Ratio Lower Upper
180 100
182 77.8 47.4 142.2
145 27.8 15.8 47.3

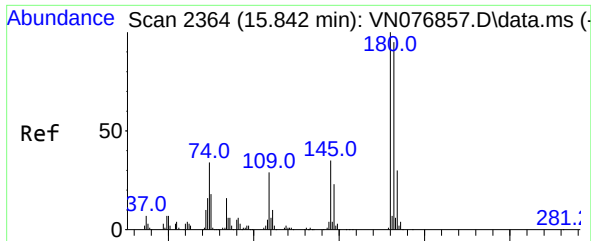


#95
Naphthalene
Concen: 0.397 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076876.D
Acq: 08 Mar 2023 10:57



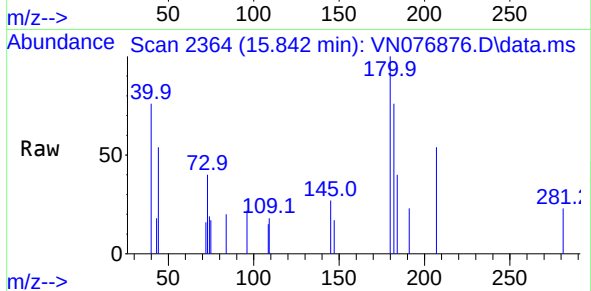
Tgt Ion:128 Resp: 7741
Ion Ratio Lower Upper
128 100
127 14.5 10.2 15.4
129 12.3 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.299 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076876.D
 Acq: 08 Mar 2023 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0308WBL01



Tgt Ion:180 Resp: 1790

Ion	Ratio	Lower	Upper
180	100		
182	104.6	47.7	143.1
145	19.7	17.0	51.0

