

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061923\
 Data File : VN078272.D
 Acq On : 19 Jun 2023 12:01
 Operator : JC\MD
 Sample : VN0619WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBL01

Quant Time: Jun 19 16:02:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

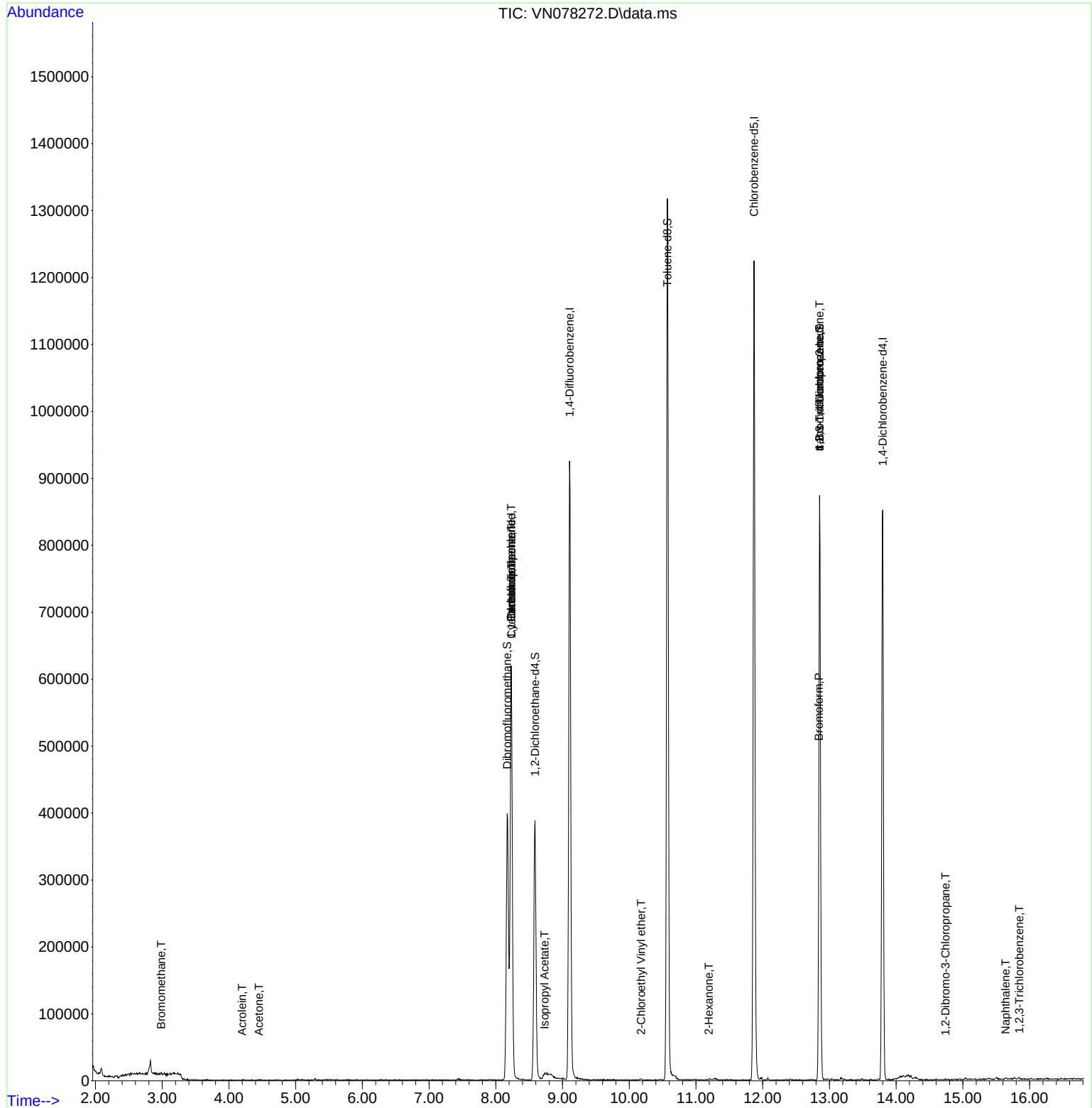
Internal Standards						
1) Pentafluorobenzene	8.230	168	435447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	812193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	728021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	321378	55.354	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.700%	
35) Dibromofluoromethane	8.171	113	285589	55.612	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.220%	
50) Toluene-d8	10.571	98	948387	47.905	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.800%	
62) 4-Bromofluorobenzene	12.853	95	308147	50.068	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.140%	
Target Compounds						Qvalue
3) Chloromethane	2.377	50	1222	Below Cal	#	87
5) Bromomethane	2.983	94	2063	0.424	ug/l #	77
13) Acrolein	4.200	56	318	0.360	ug/l #	70
16) Acetone	4.448	43	406	0.243	ug/l #	40
31) Cyclohexane	8.236	56	11076	1.487	ug/l #	51
36) 1,1-Dichloropropene	8.236	75	37410	5.079	ug/l #	49
38) Carbon Tetrachloride	8.230	117	47708	6.134	ug/l #	16
43) Isopropyl Acetate	8.730	43	6192	0.563	ug/l #	49
58) 2-Chloroethyl Vinyl ether	10.177	63	1073	0.347	ug/l #	42
59) 2-Hexanone	11.194	43	1120	0.278	ug/l #	43
71) Bromoform	12.841	173	2238	0.605	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	245	Below Cal	#	71
76) 1,2,3-Trichloropropane	12.853	75	165288	29.753	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	165288	91.412	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.741	75	236	0.214	ug/l #	4
94) Hexachlorobutadiene	15.506	225	815	Below Cal	#	63
95) Naphthalene	15.641	128	2504	0.245	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.847	180	1138	0.335	ug/l #	73

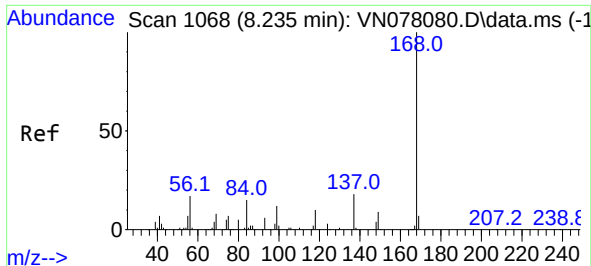
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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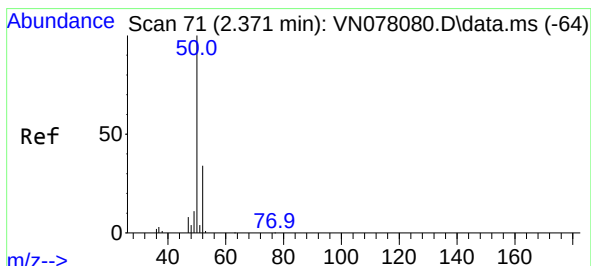
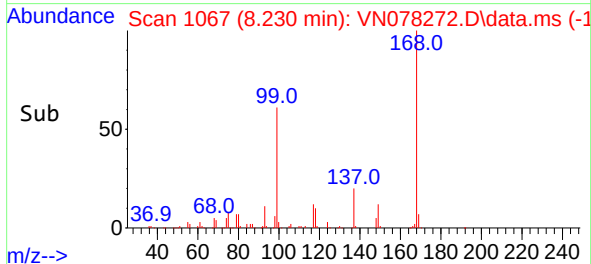
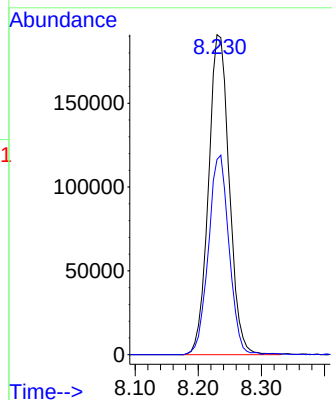
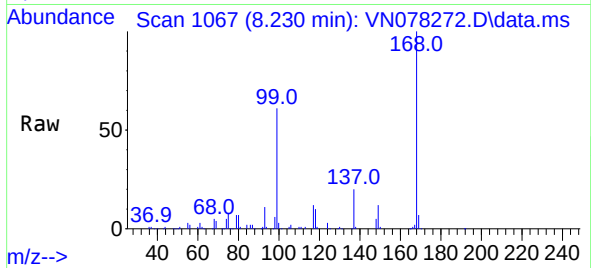




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

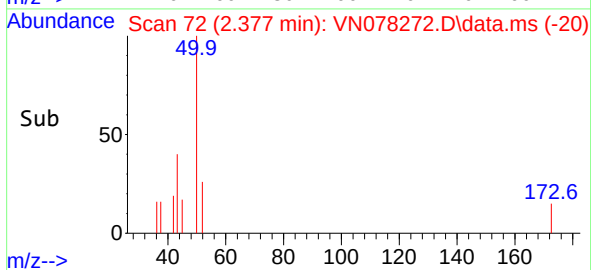
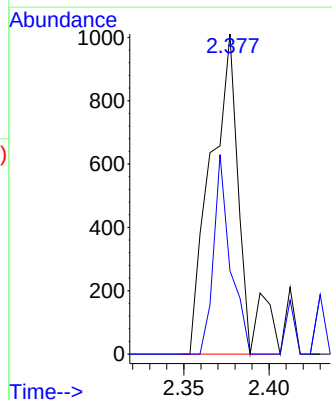
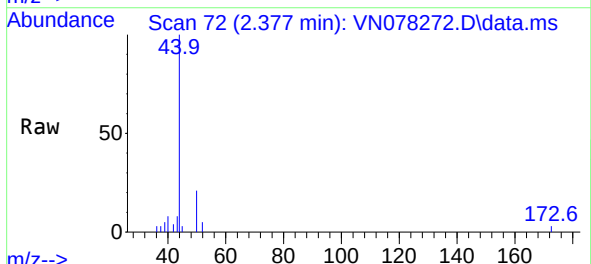
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

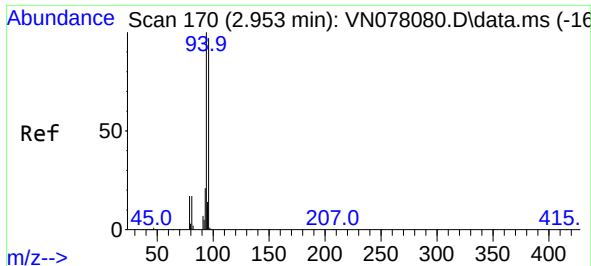
Tgt Ion:168 Resp: 435447
Ion Ratio Lower Upper
168 100
99 61.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 50 Resp: 1222
Ion Ratio Lower Upper
50 100
52 26.0 26.5 39.7#

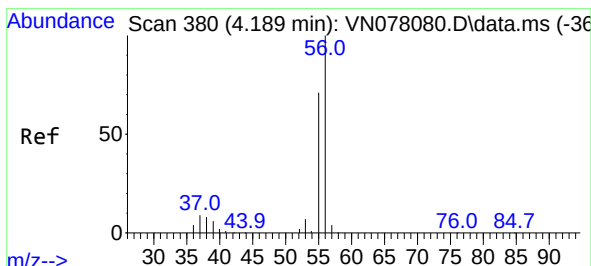
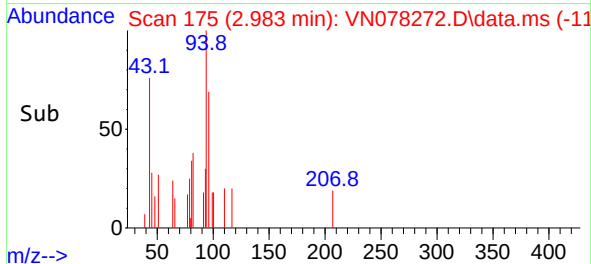
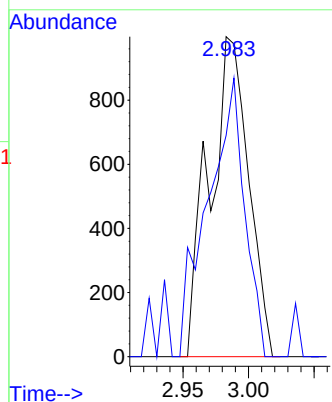
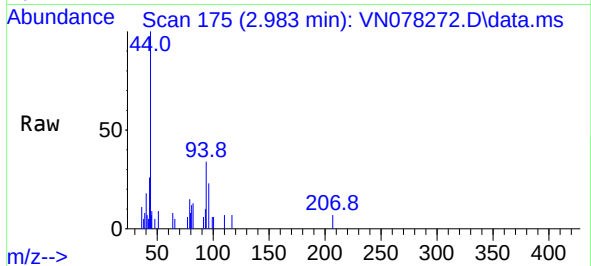




#5
Bromomethane
Concen: 0.424 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

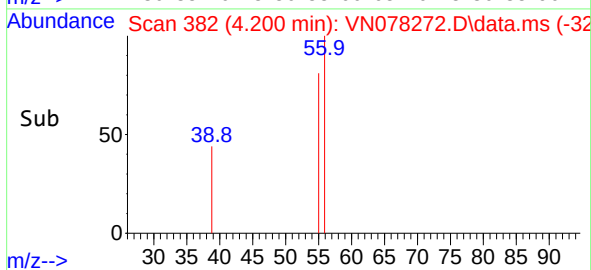
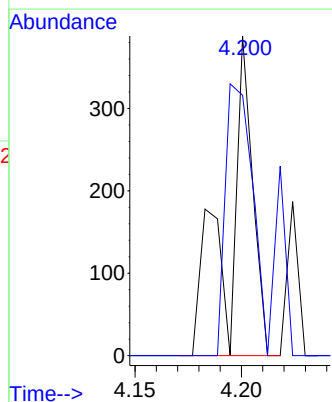
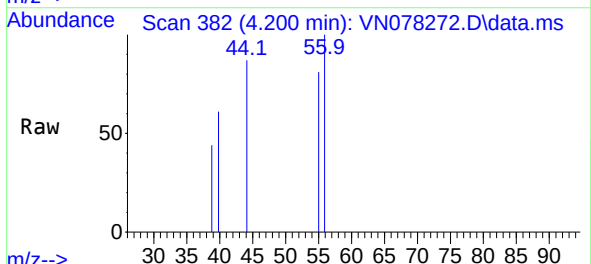
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

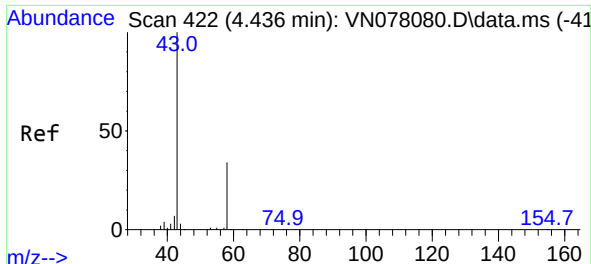
Tgt Ion: 94 Resp: 2063
Ion Ratio Lower Upper
94 100
96 69.1 73.1 109.7#



#13
Acrolein
Concen: 0.360 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 56 Resp: 318
Ion Ratio Lower Upper
56 100
55 92.1 54.5 81.7#

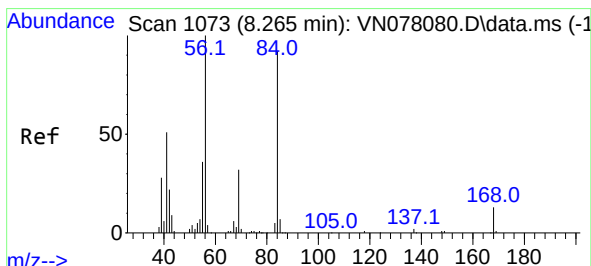
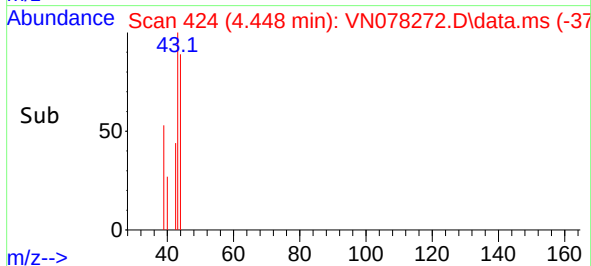
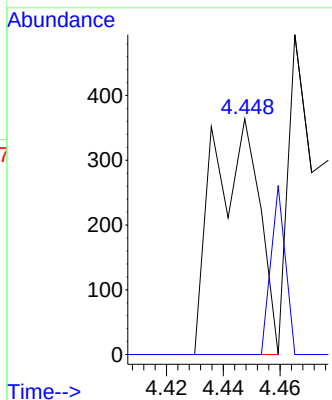
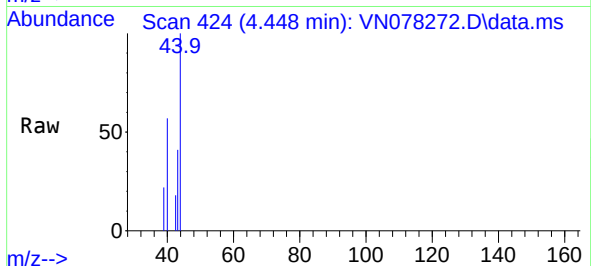




#16
Acetone
Concen: 0.243 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

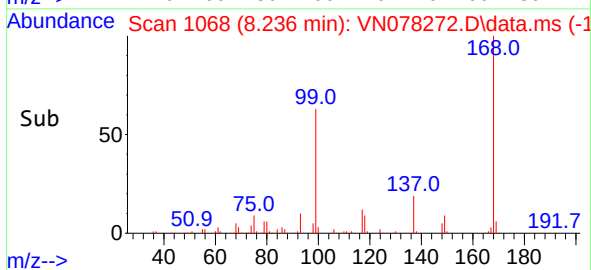
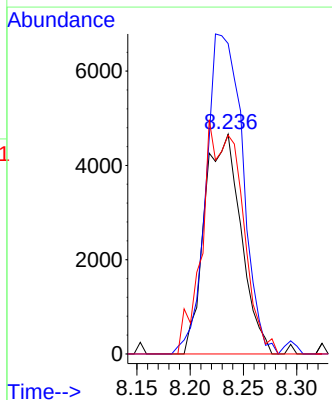
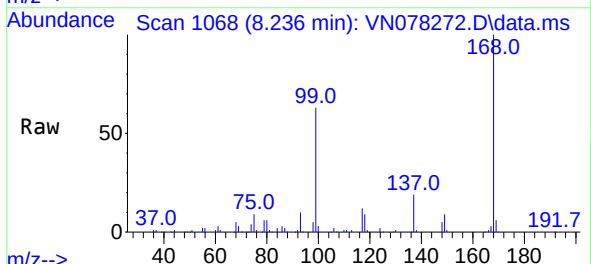
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

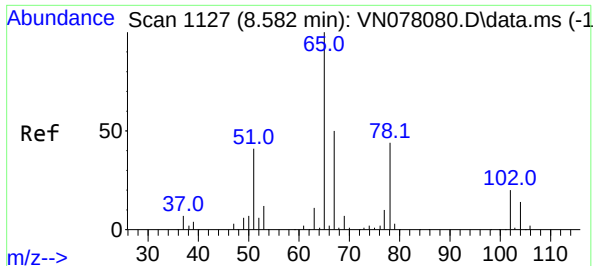
Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.487 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 56 Resp: 11076
Ion Ratio Lower Upper
56 100
69 141.3 26.8 40.2#
84 99.6 81.8 122.6

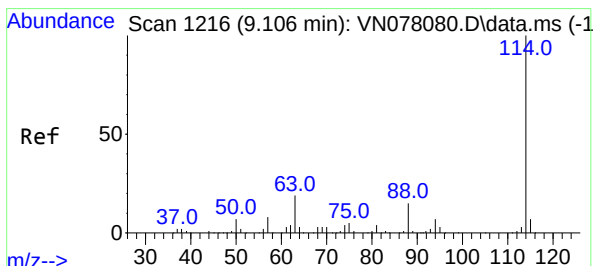
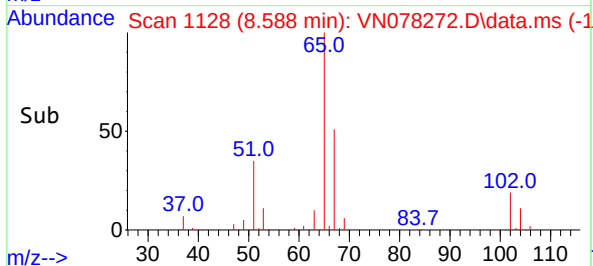
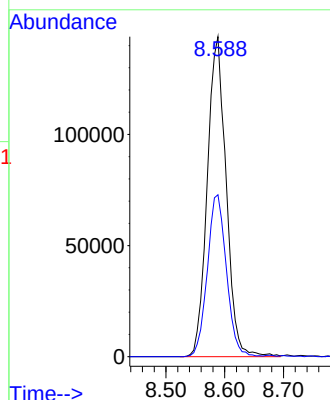
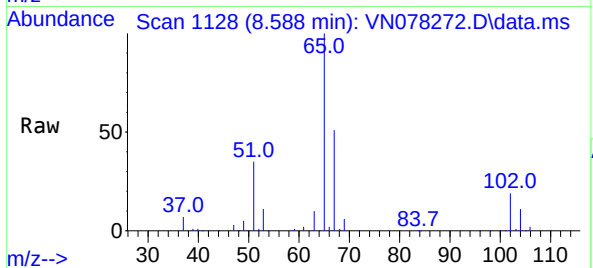




#33
1,2-Dichloroethane-d4
Concen: 55.354 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

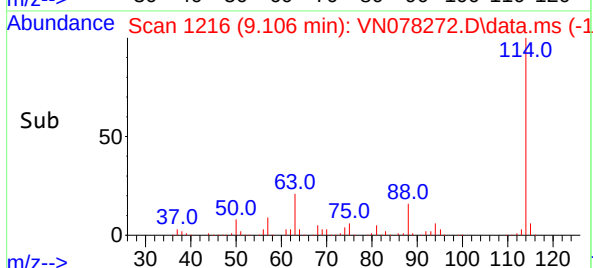
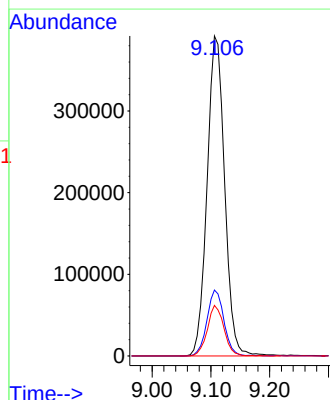
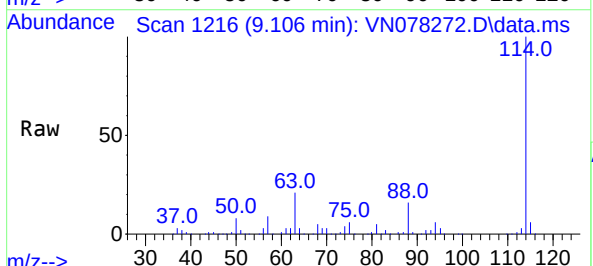
Instrument :
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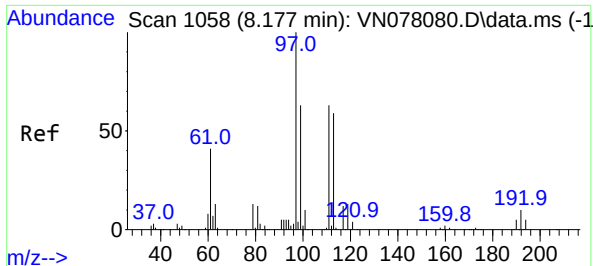
Tgt Ion: 65 Resp: 321378
Ion Ratio Lower Upper
65 100
67 51.2 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 114 Resp: 812193
Ion Ratio Lower Upper
114 100
63 20.6 0.0 36.4
88 15.8 0.0 30.6

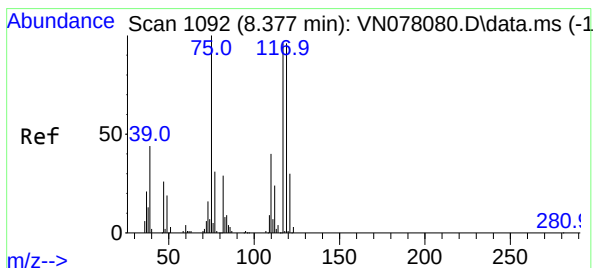
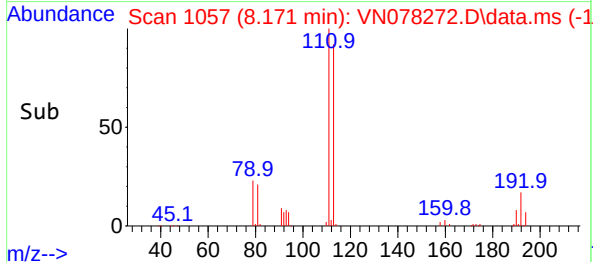
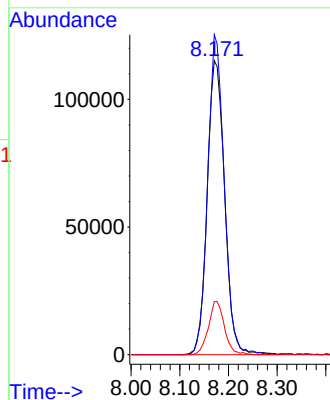
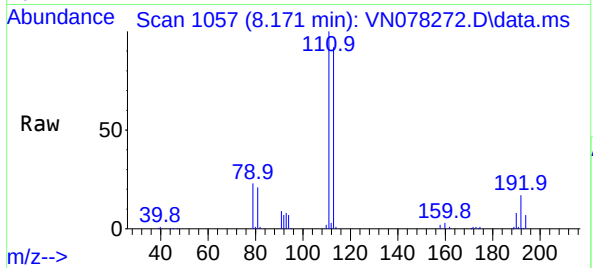




#35
Dibromofluoromethane
Concen: 55.612 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

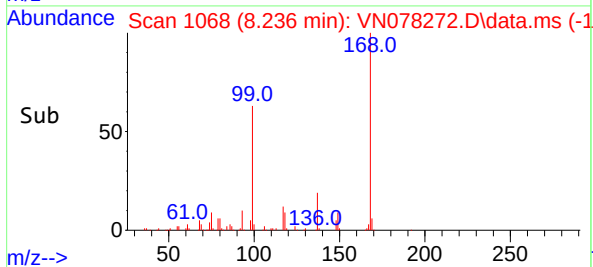
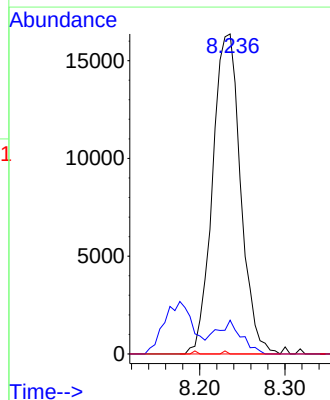
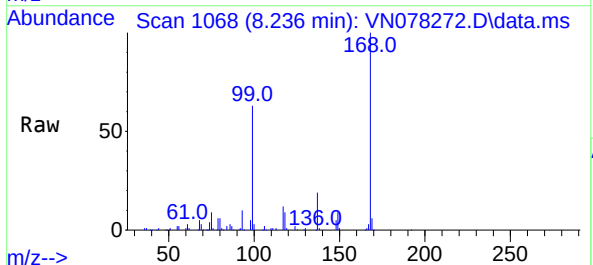
Instrument :
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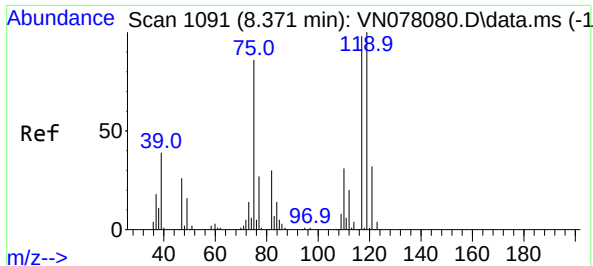
Tgt Ion:113 Resp: 285589
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.079 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 75 Resp: 37410
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.1 25.0 37.4#

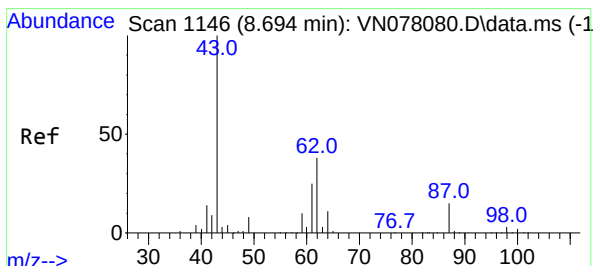
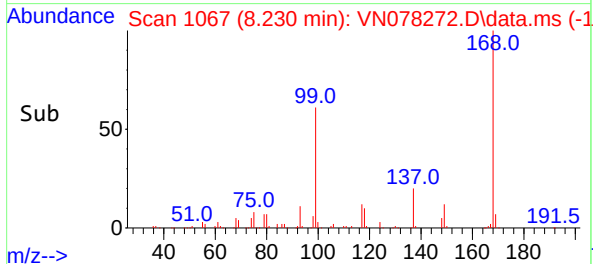
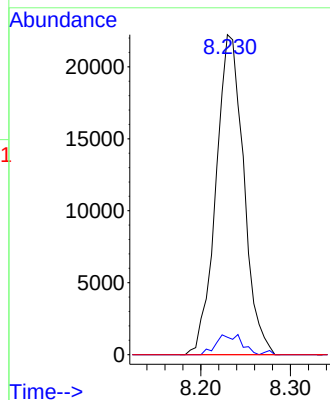
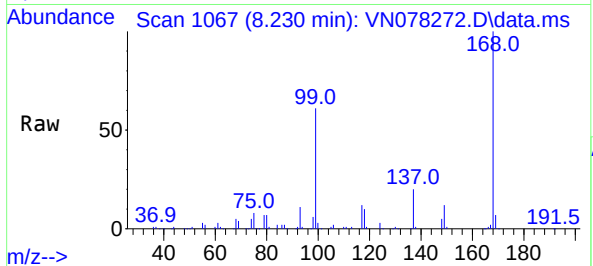




#38
Carbon Tetrachloride
Concen: 6.134 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

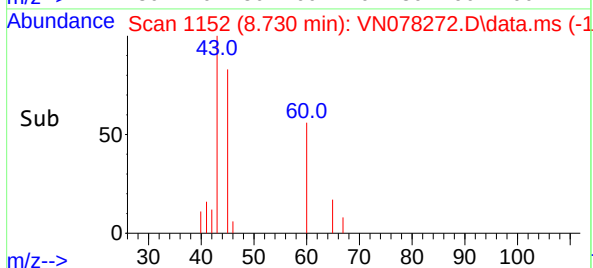
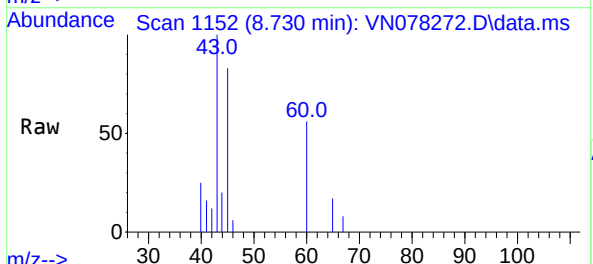
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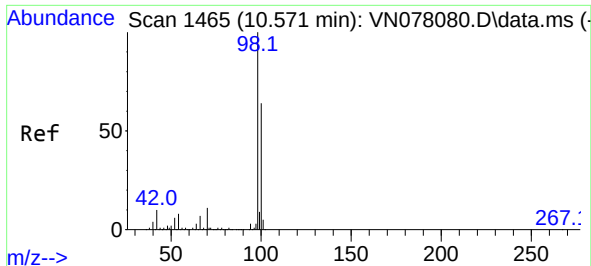
Tgt Ion:117 Resp: 47708
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.563 ug/l
RT: 8.730 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 43 Resp: 6192
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

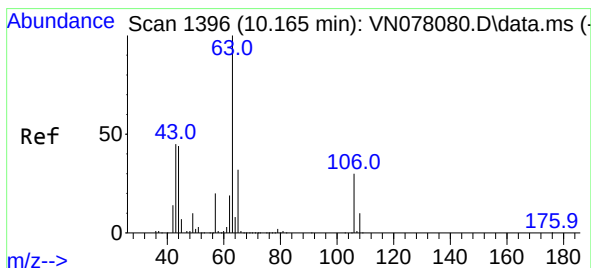
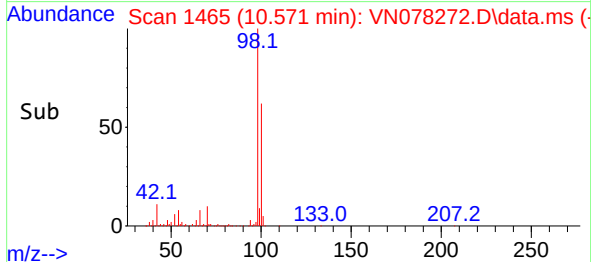
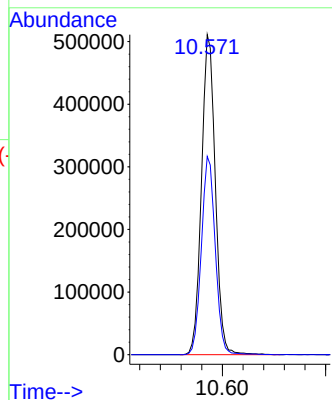
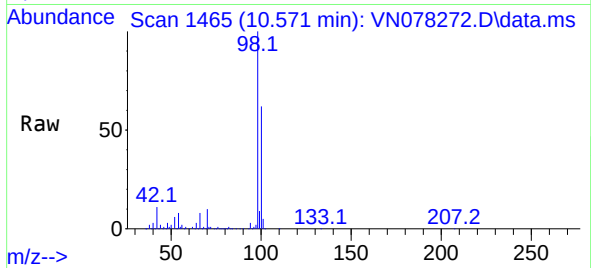




#50
Toluene-d8
Concen: 47.905 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

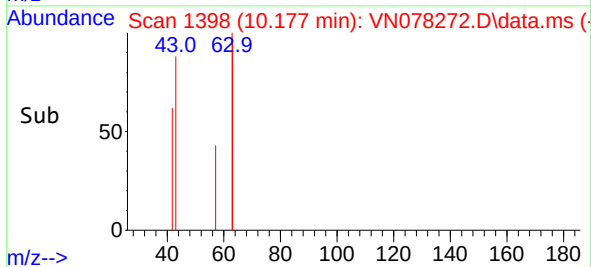
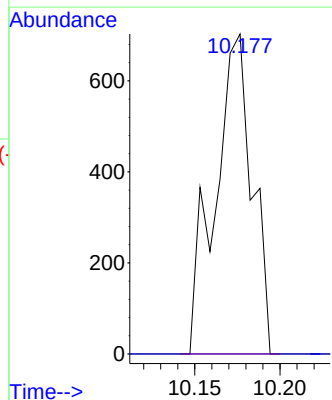
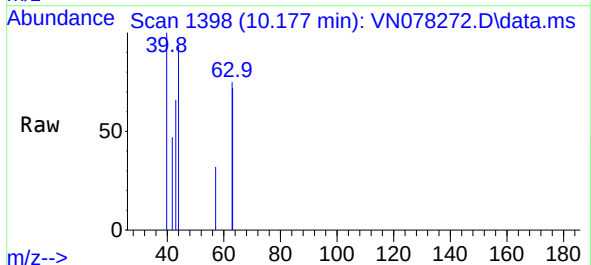
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

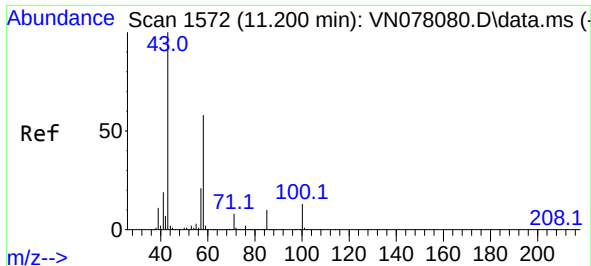
Tgt Ion: 98 Resp: 948387
Ion Ratio Lower Upper
98 100
100 62.3 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: 0.347 ug/l
RT: 10.177 min Scan# 1398
Delta R.T. 0.012 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 63 Resp: 1073
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#

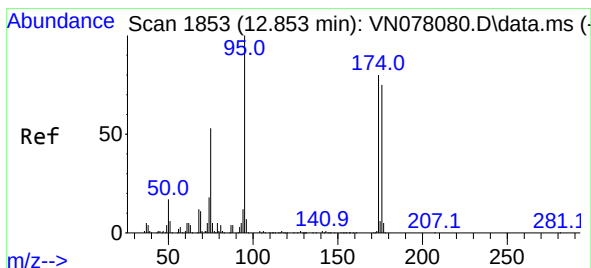
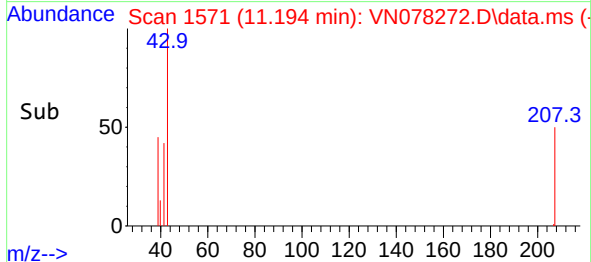
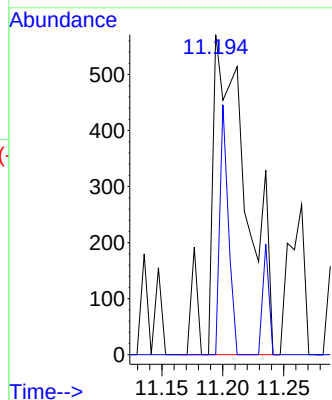
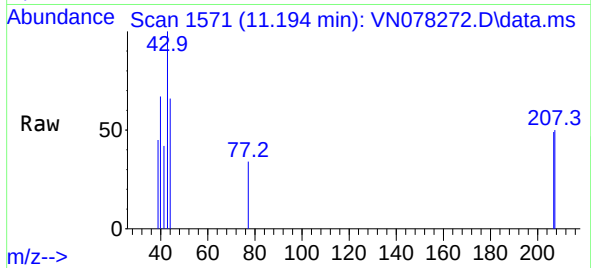




#59
2-Hexanone
Concen: 0.278 ug/l
RT: 11.194 min Scan# 11194
Delta R.T. -0.006 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

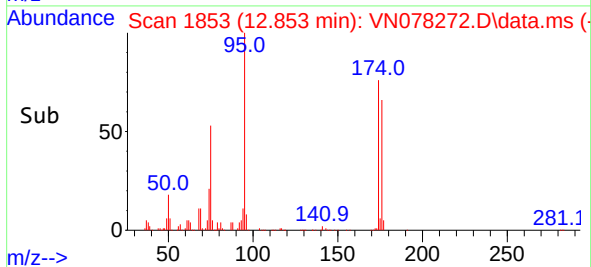
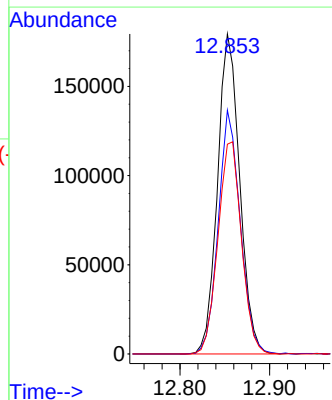
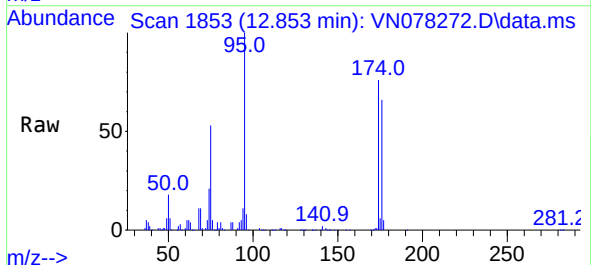
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

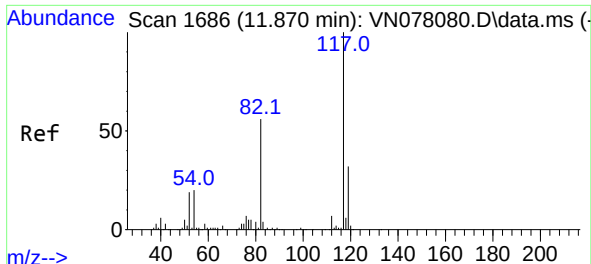
Tgt Ion: 43 Resp: 1120
Ion Ratio Lower Upper
43 100
58 19.4 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.068 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 95 Resp: 308147
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 70.2 0.0 135.8

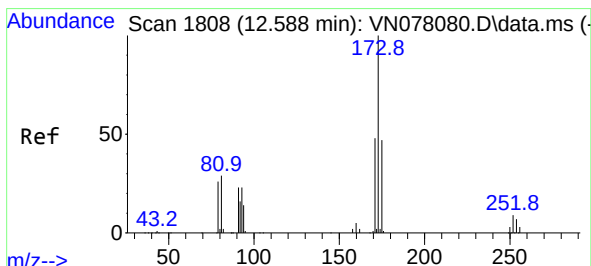
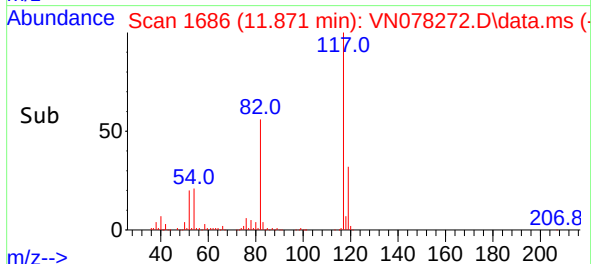
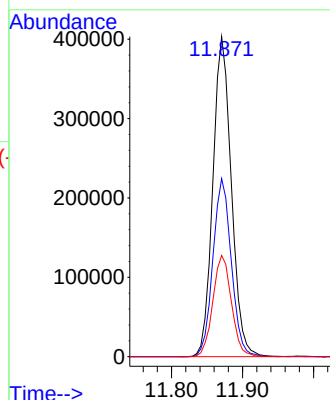
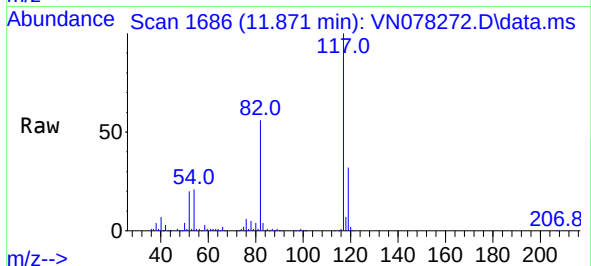




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

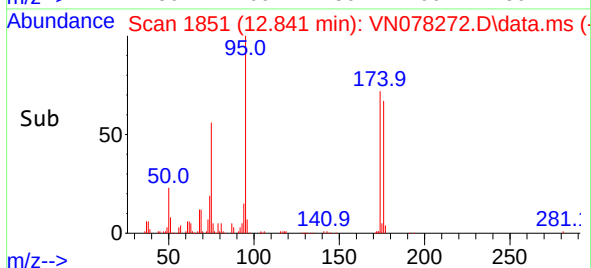
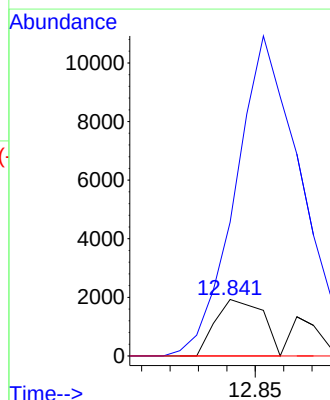
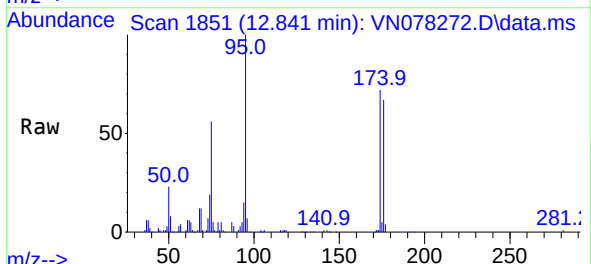
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

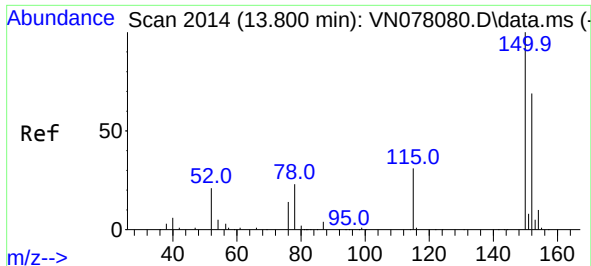
Tgt Ion:117 Resp: 728021
Ion Ratio Lower Upper
117 100
82 55.7 44.0 66.0
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.605 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.253 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion:173 Resp: 2238
Ion Ratio Lower Upper
173 100
175 672.0 24.3 73.0#
254 0.0 0.0 0.0

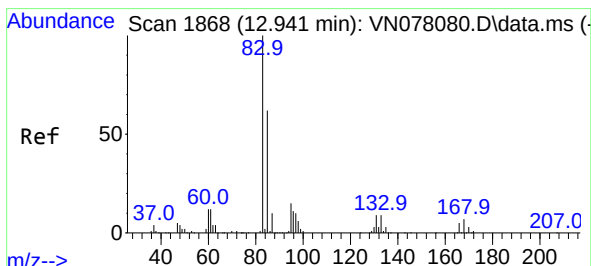
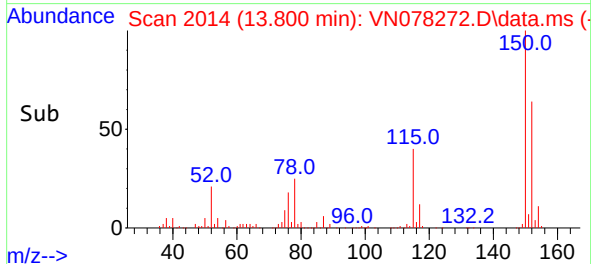
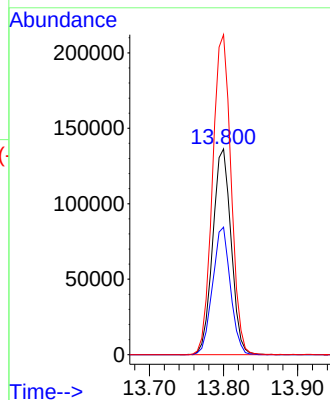
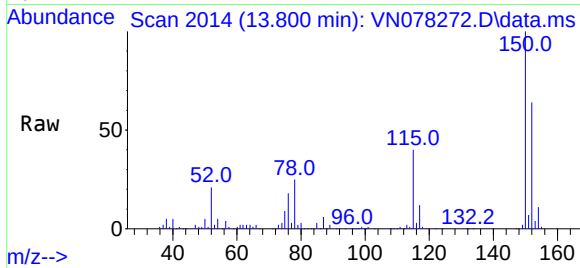




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

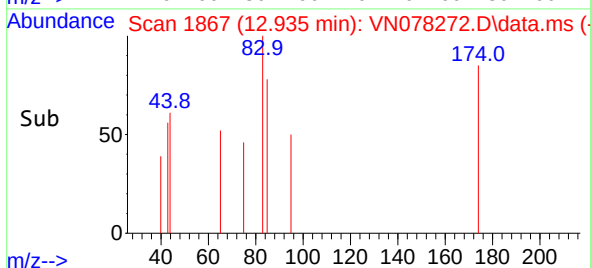
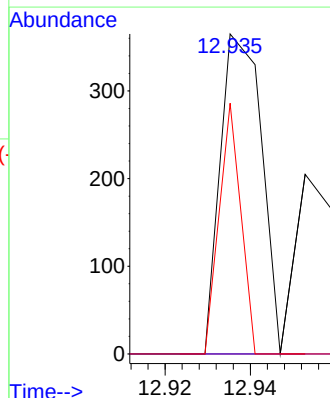
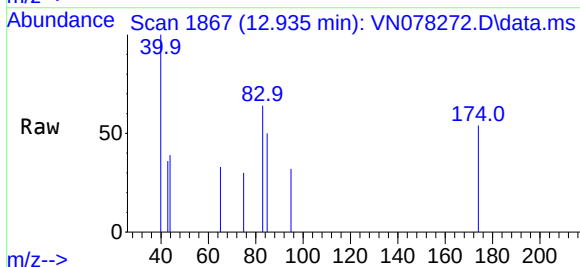
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

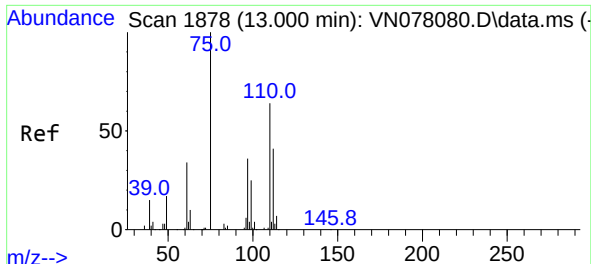
Tgt Ion:152 Resp: 234991
Ion Ratio Lower Upper
152 100
115 60.2 32.3 96.8
150 156.6 0.0 355.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 83 Resp: 245
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 41.2 31.9 95.7

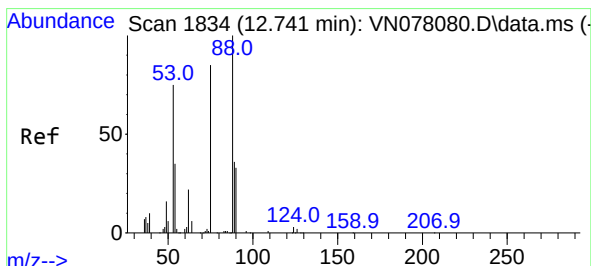
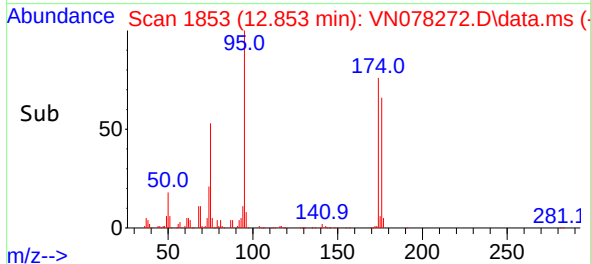
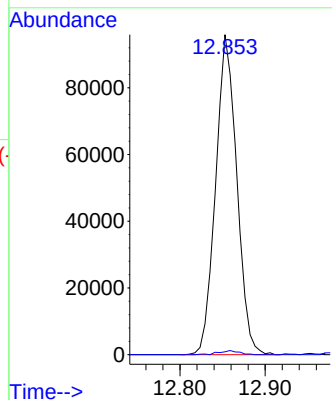
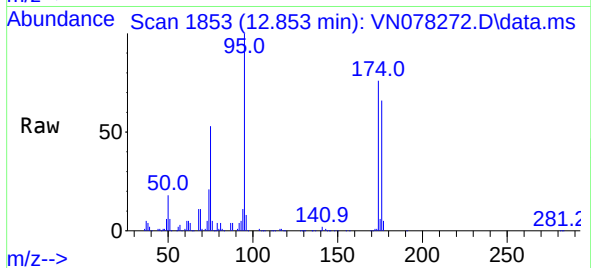




#76
1,2,3-Trichloropropane
Concen: 29.753 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

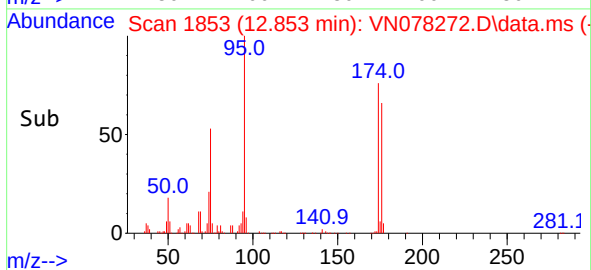
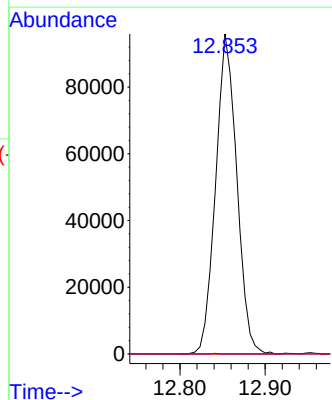
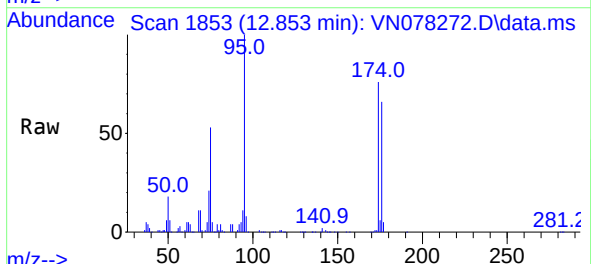
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

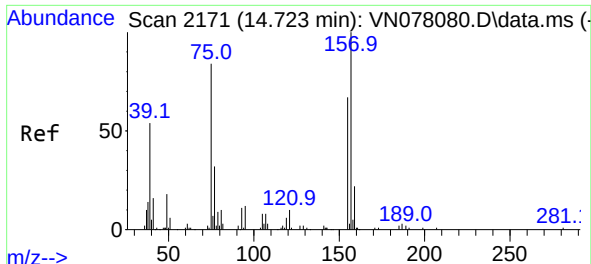
Tgt Ion: 75 Resp: 165288
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.412 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 75 Resp: 165288
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

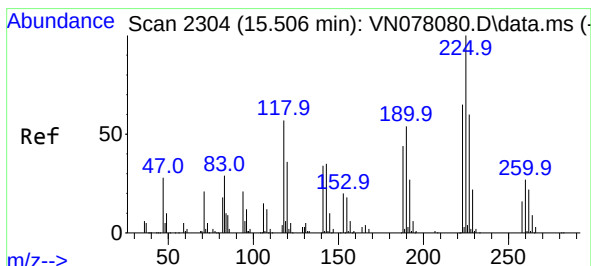
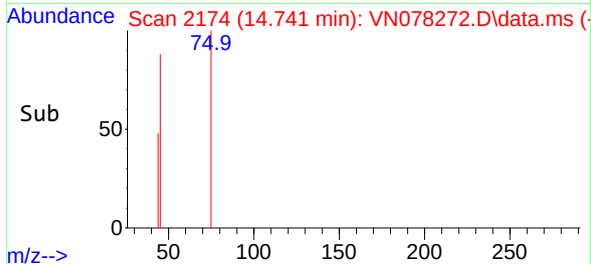
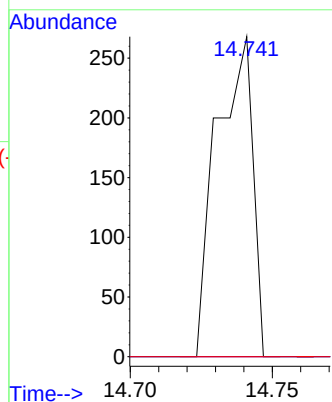
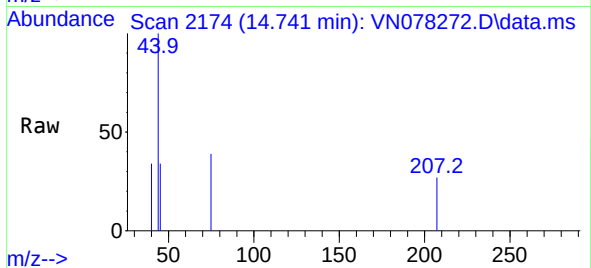




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.214 ug/l
RT: 14.741 min Scan# 2171
Delta R.T. 0.018 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

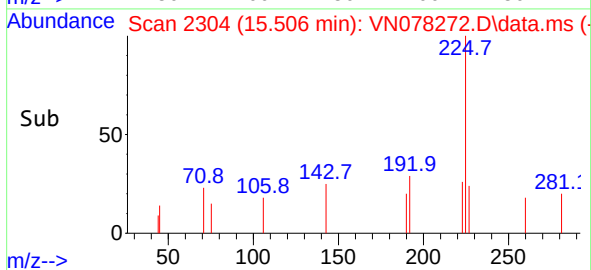
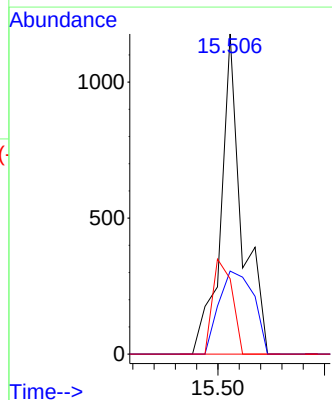
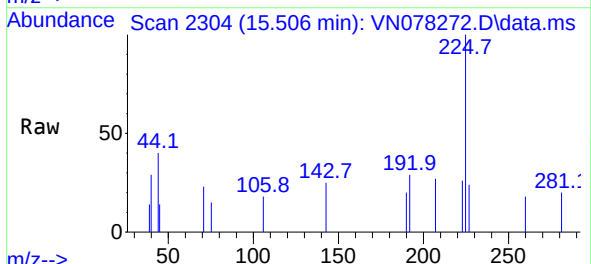
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

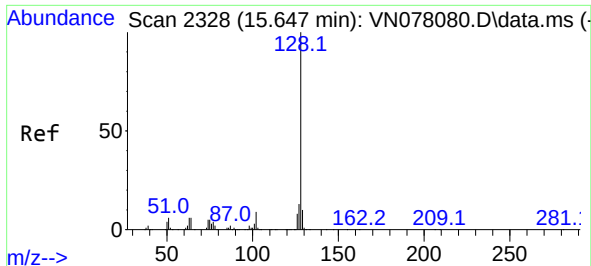
Tgt Ion: 75 Resp: 236
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion: 225 Resp: 815
Ion Ratio Lower Upper
225 100
223 42.3 31.3 93.8
227 27.1 31.9 95.9#

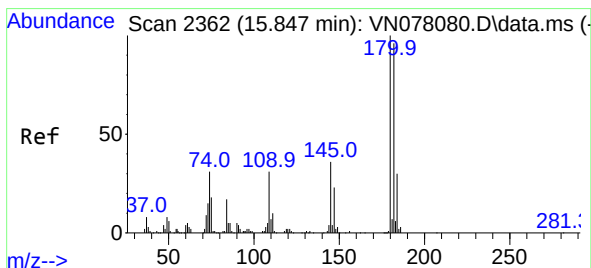
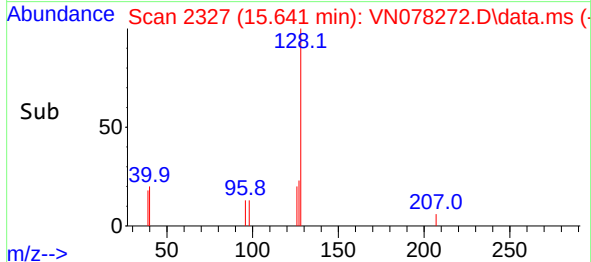
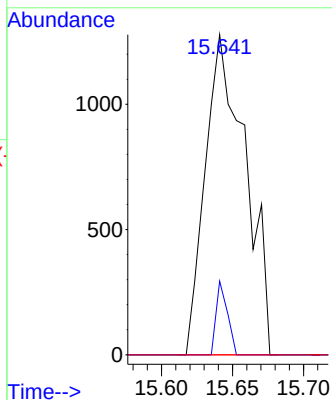
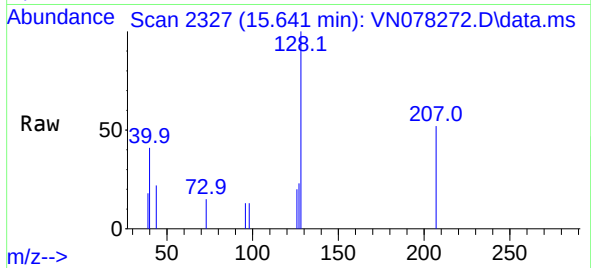




#95
Naphthalene
Concen: 0.245 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

Tgt Ion:128 Resp: 2504
Ion Ratio Lower Upper
128 100
127 6.4 10.0 15.0#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.335 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.000 min
Lab File: VN078272.D
Acq: 19 Jun 2023 12:01

Tgt Ion:180 Resp: 1138
Ion Ratio Lower Upper
180 100
182 75.1 46.2 138.6
145 6.1 17.5 52.6#

