

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060723\
 Data File : VN078091.D
 Acq On : 07 Jun 2023 10:07
 Operator : JC\MD
 Sample : VN0607WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBL01

Quant Time: Jun 07 16:40:05 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)

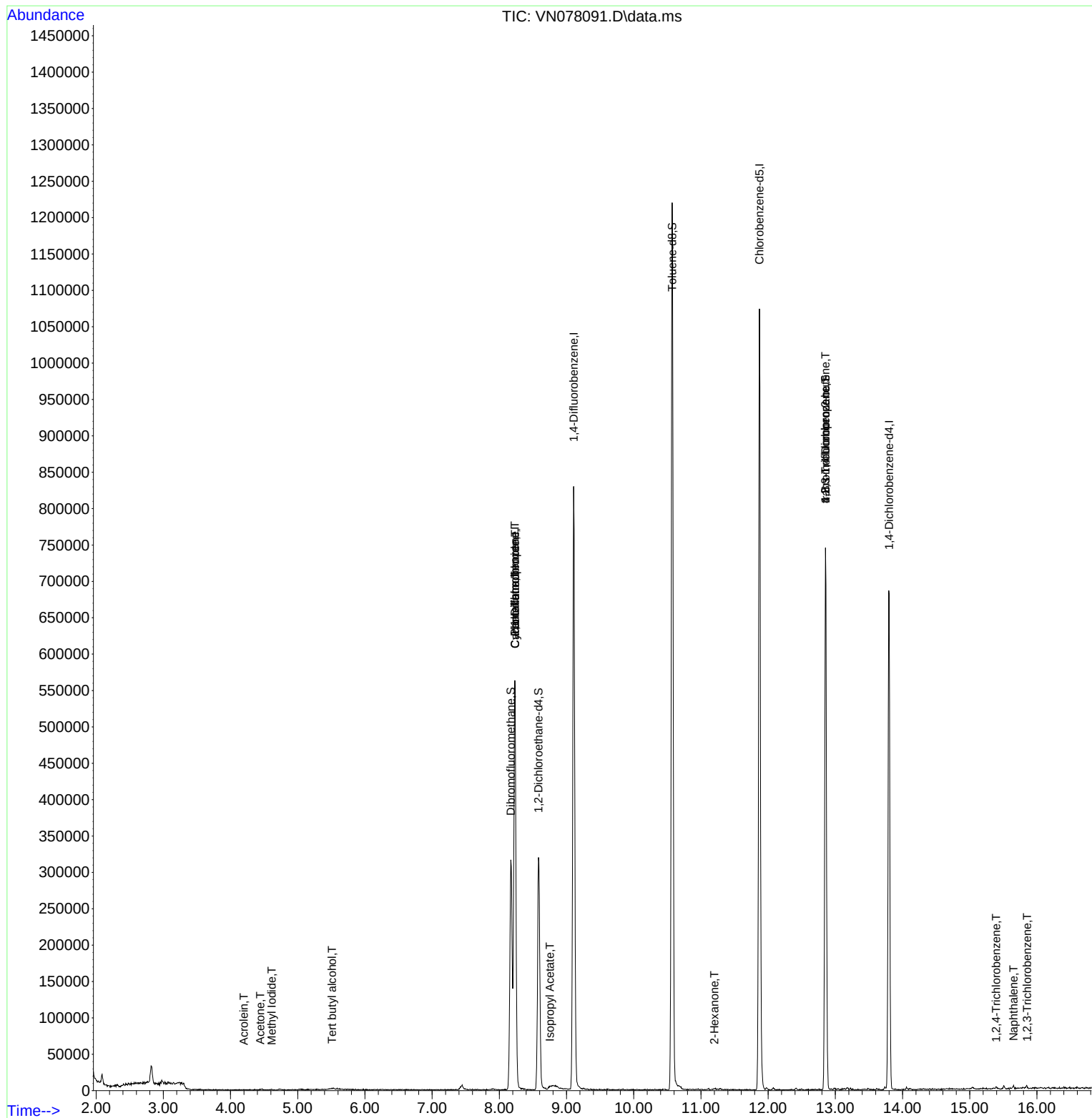
Internal Standards						
1) Pentafluorobenzene	8.230	168	404957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	725166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	647318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	192743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	271385	50.263	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.520%	
35) Dibromofluoromethane	8.171	113	231400	50.467	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.940%	
50) Toluene-d8	10.571	98	896851	50.738	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.853	95	270413	49.210	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1160	Below Cal	#	42
10) Methyl Iodide	4.612	142	1214	0.200	ug/l #	66
11) Tert butyl alcohol	5.512	59	718	0.963	ug/l #	72
13) Acrolein	4.201	56	351	0.427	ug/l #	64
16) Acetone	4.442	43	743	0.478	ug/l	94
31) Cyclohexane	8.236	56	9207	1.329	ug/l #	4
36) 1,1-Dichloropropene	8.230	75	34096	5.184	ug/l #	47
38) Carbon Tetrachloride	8.236	117	45320	6.526	ug/l #	15
43) Isopropyl Acetate	8.753	43	4478	0.456	ug/l #	49
59) 2-Hexanone	11.200	43	1408	0.391	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.935	83	430	Below Cal	#	56
76) 1,2,3-Trichloropropane	12.853	75	143561	31.507	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	143561	96.799	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	1136	0.456	ug/l #	56
94) Hexachlorobutadiene	15.512	225	214	Below Cal	#	1
95) Naphthalene	15.653	128	4031	0.481	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.853	180	1249	0.448	ug/l	86

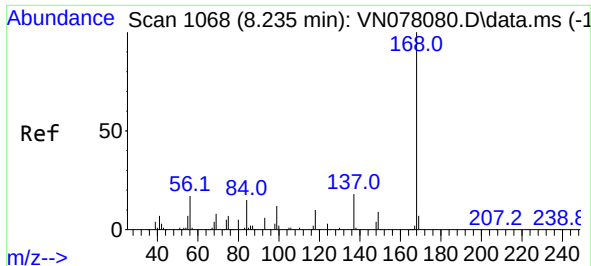
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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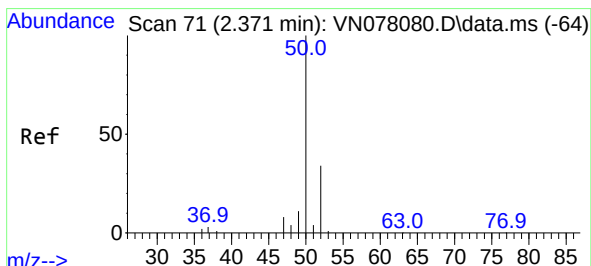
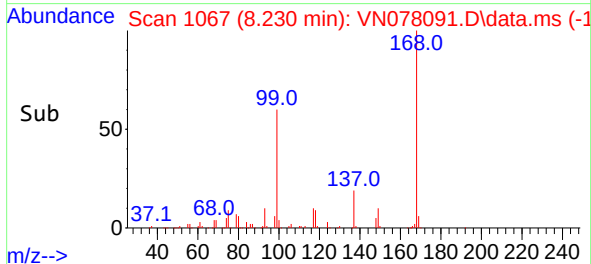
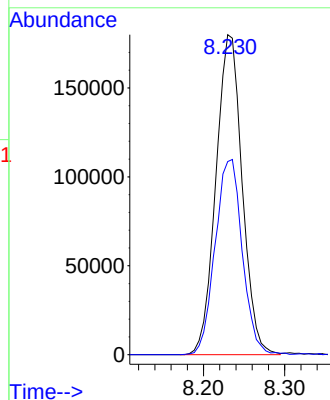
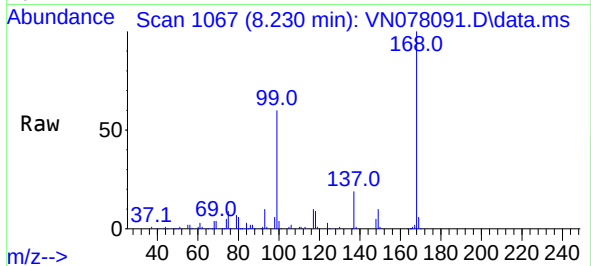




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

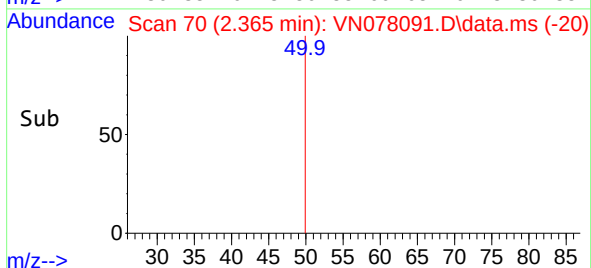
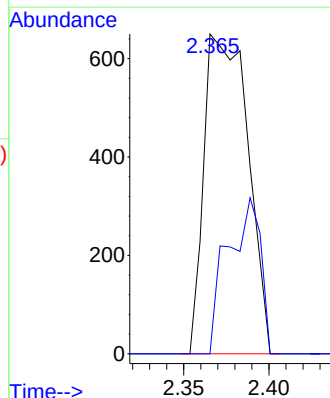
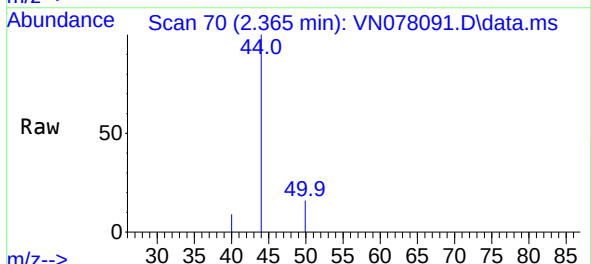
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL01

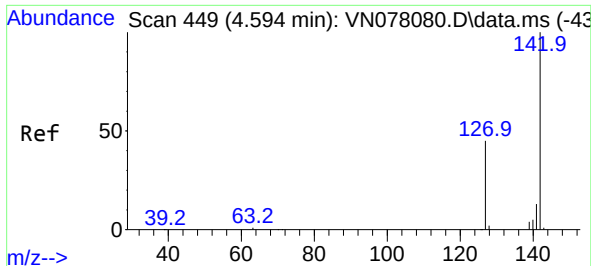
Tgt Ion:168 Resp: 404957
Ion Ratio Lower Upper
168 100
99 60.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion: 50 Resp: 1160
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

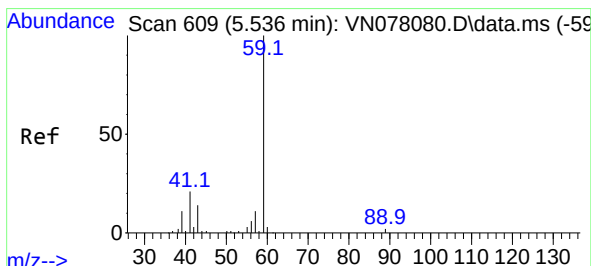
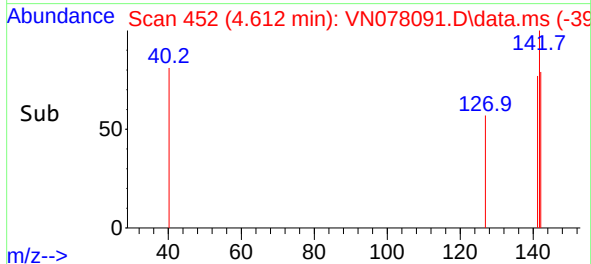
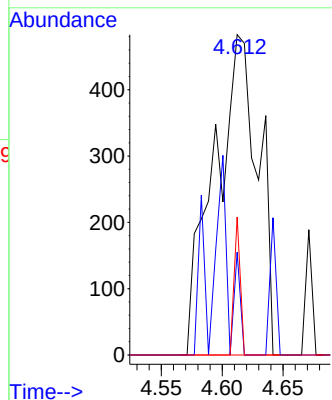
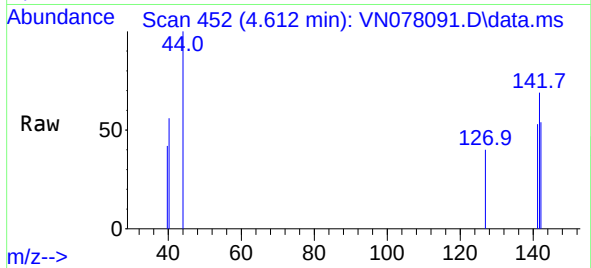




#10
Methyl Iodide
Concen: 0.200 ug/l
RT: 4.612 min Scan# 412
Delta R.T. 0.018 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

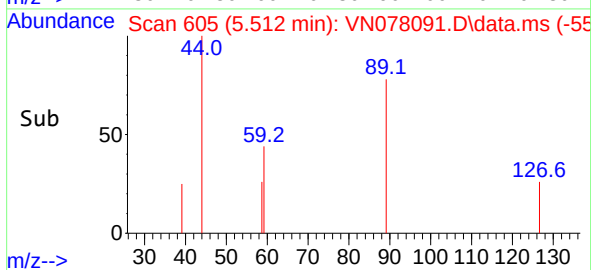
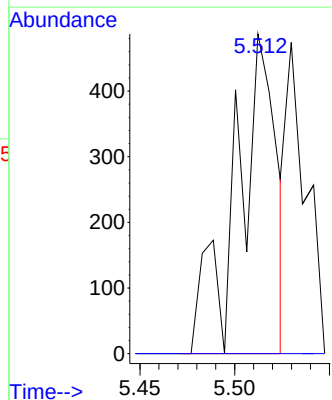
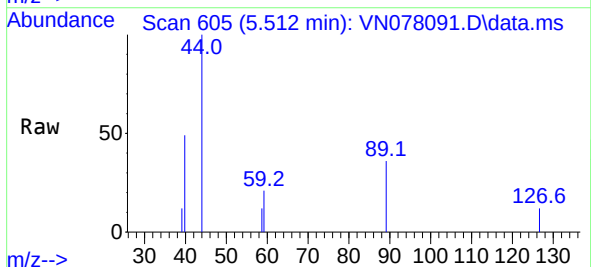
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL01

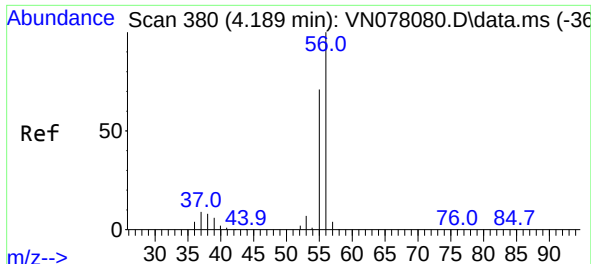
Tgt Ion:142 Resp: 1214
Ion Ratio Lower Upper
142 100
127 32.1 37.6 56.4#
141 43.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.963 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.023 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion: 59 Resp: 718
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

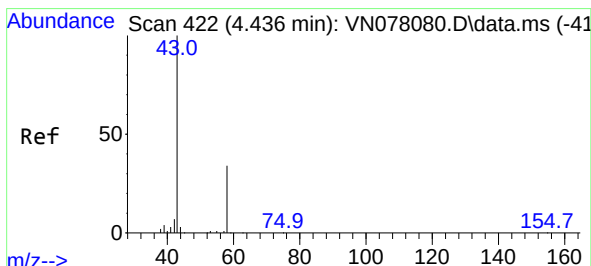
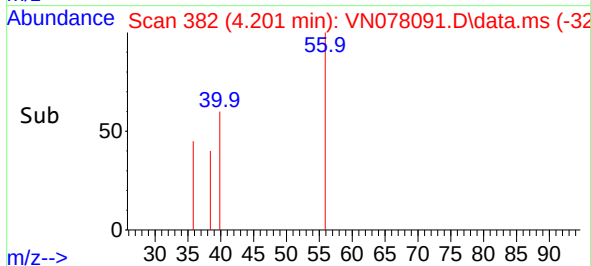
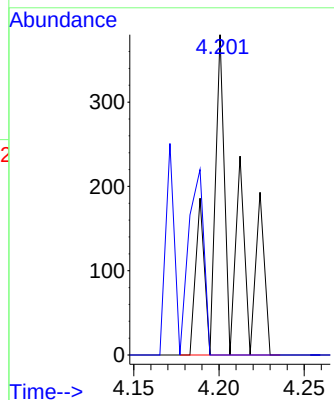
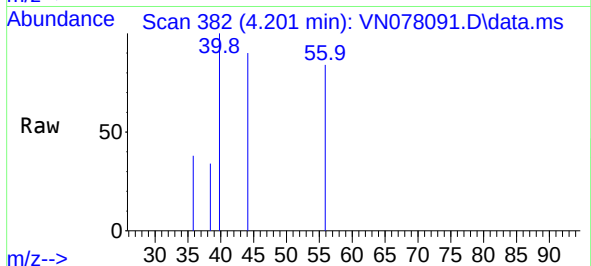




#13
Acrolein
Concen: 0.427 ug/l
RT: 4.201 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

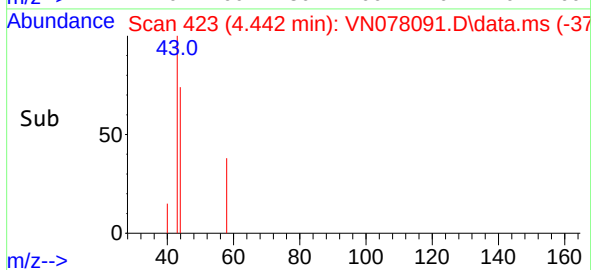
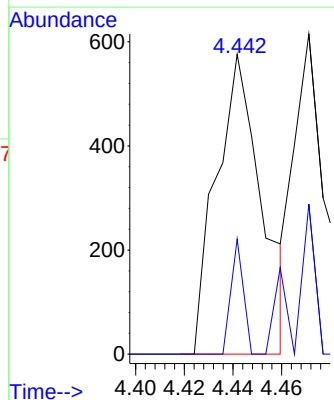
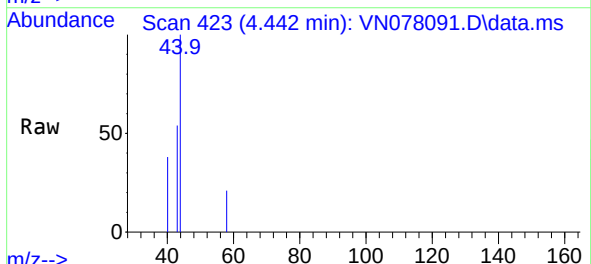
Instrument :
MSVOA_N
ClientSampleId :
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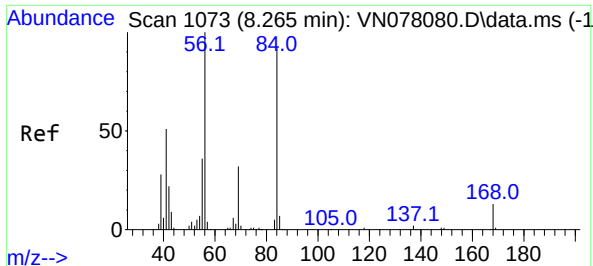
Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
55 38.7 54.5 81.7#



#16
Acetone
Concen: 0.478 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
58 38.4 28.0 42.0

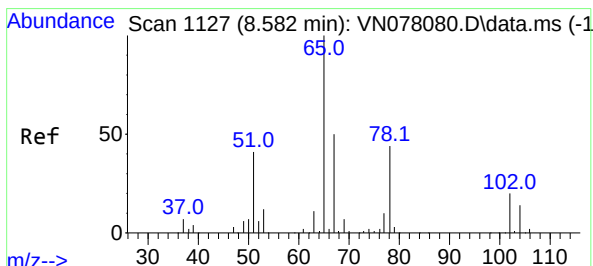
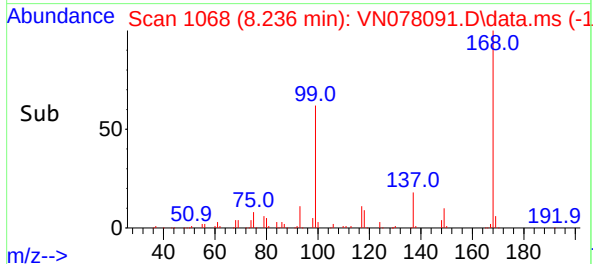
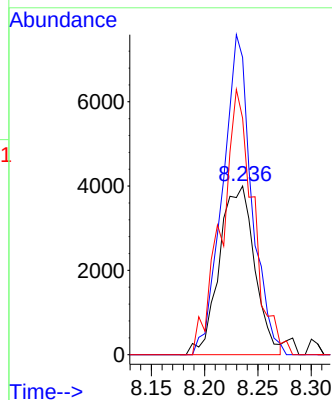
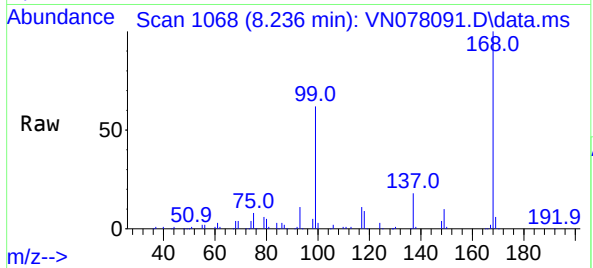




#31
Cyclohexane
Concen: 1.329 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

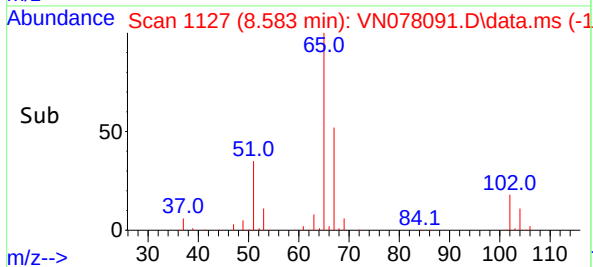
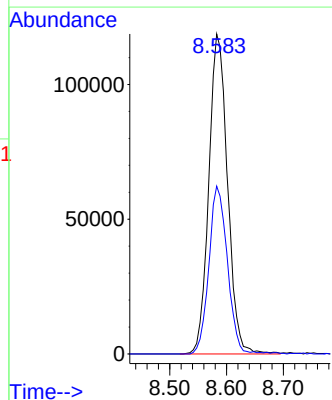
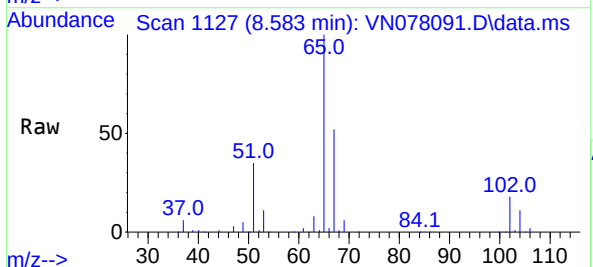
Instrument :
MSVOA_N
ClientSampleId :
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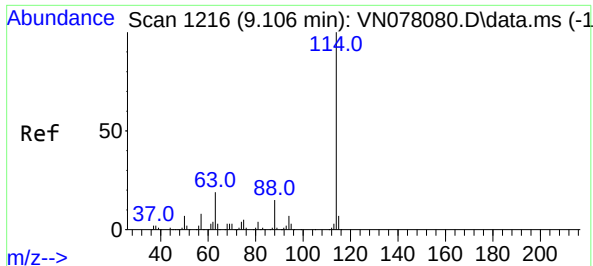
Tgt Ion: 56 Resp: 9207
Ion Ratio Lower Upper
56 100
69 176.3 26.8 40.2#
84 147.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 50.263 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion: 65 Resp: 271385
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6

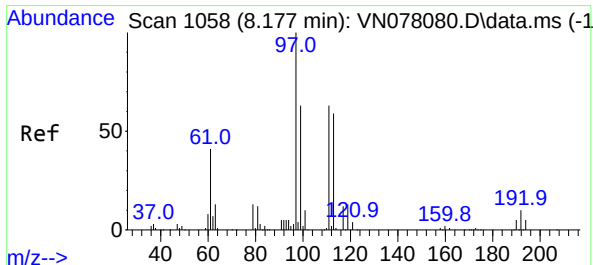
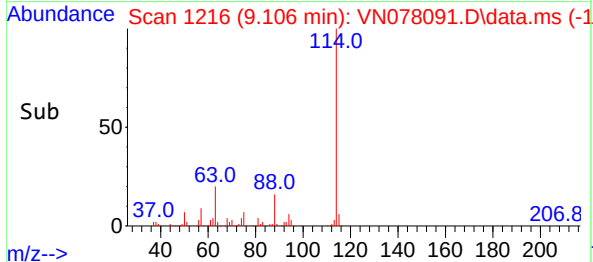
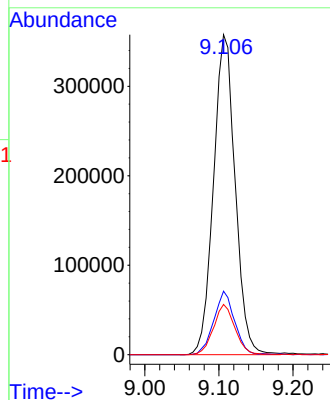
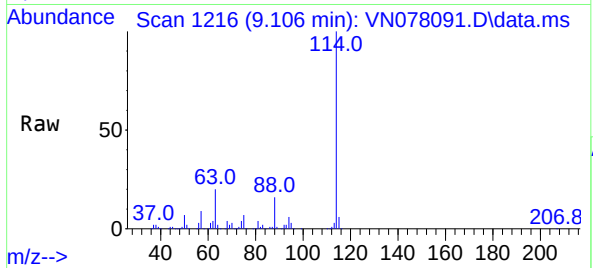




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

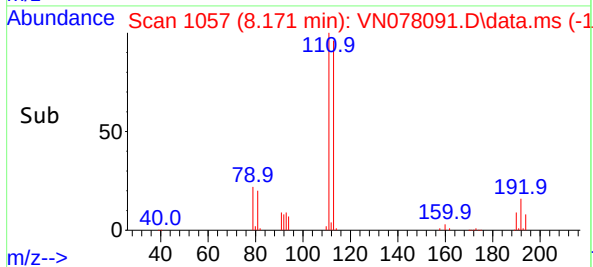
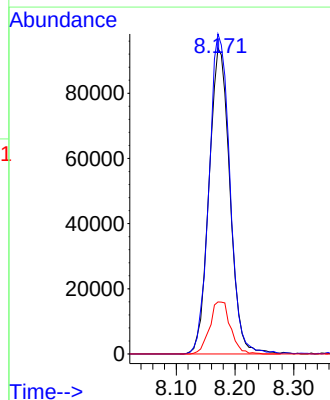
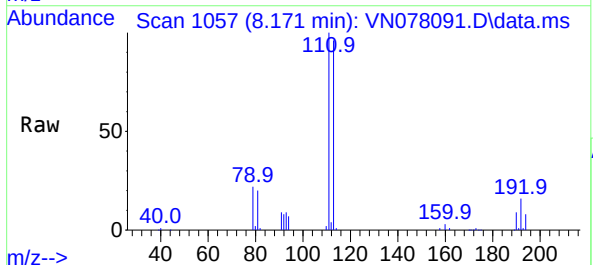
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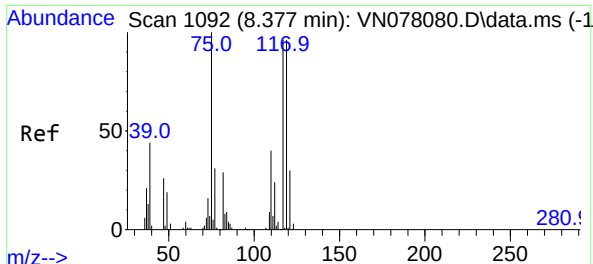
Tgt Ion:114 Resp: 725166
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.4
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.467 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion:113 Resp: 231400
Ion Ratio Lower Upper
113 100
111 104.4 82.6 123.8
192 16.9 12.7 19.1

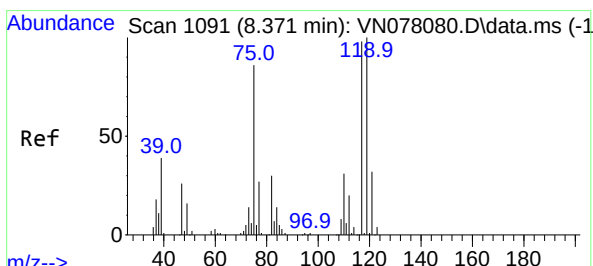
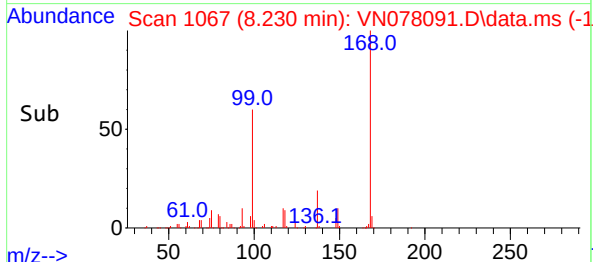
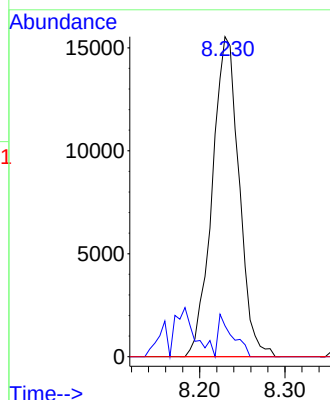
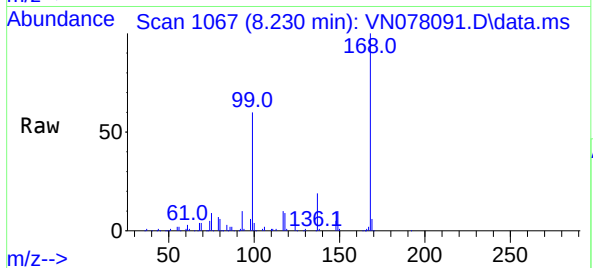




#36
1,1-Dichloropropene
Concen: 5.184 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

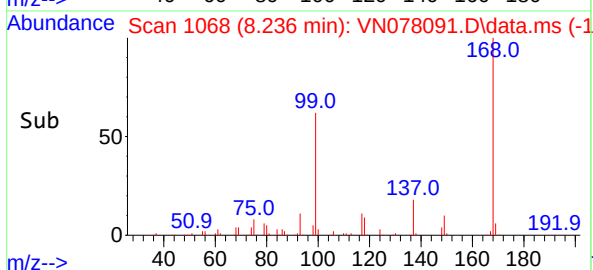
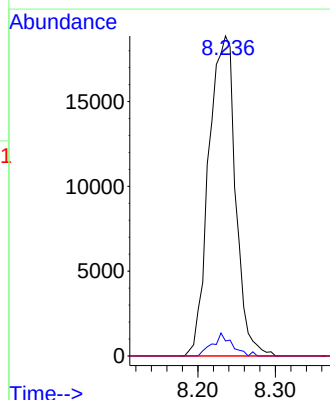
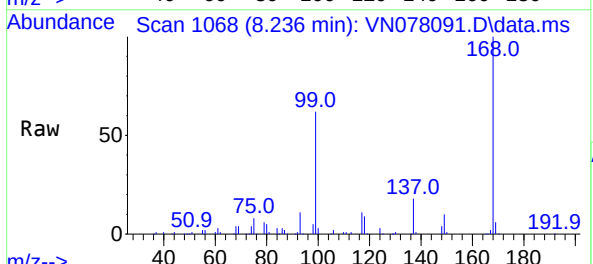
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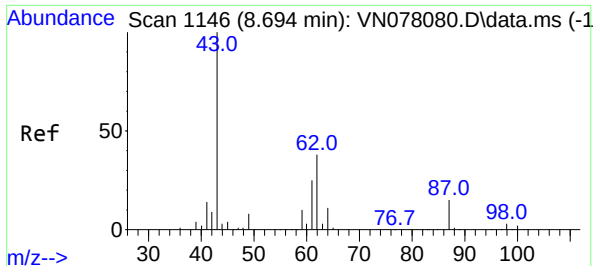
Tgt Ion: 75 Resp: 34096
Ion Ratio Lower Upper
75 100
110 7.9 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.526 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion: 117 Resp: 45320
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 23.3 34.9#

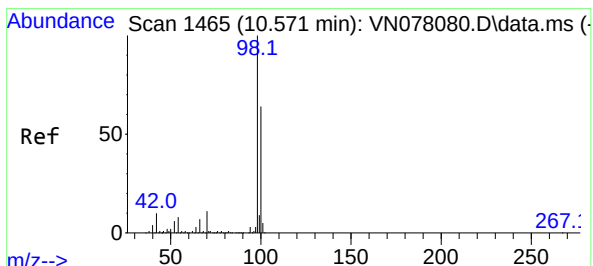
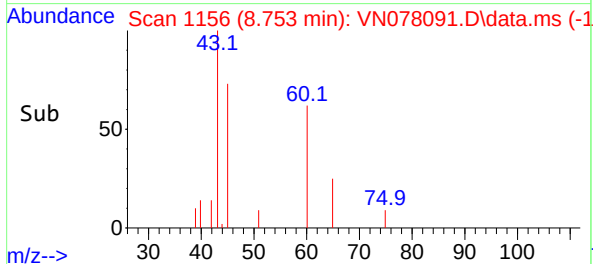
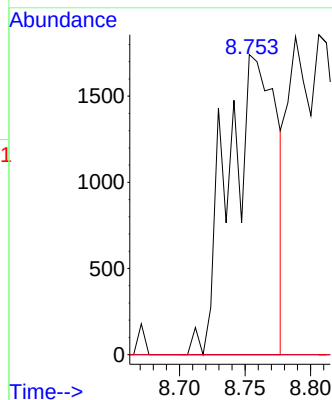
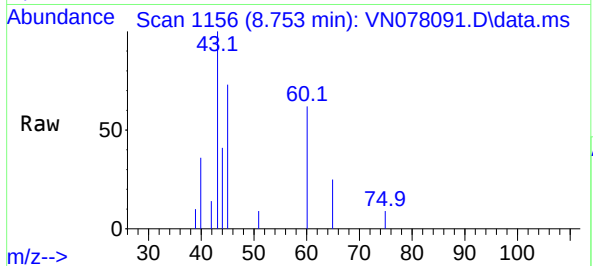




#43
Isopropyl Acetate
Concen: 0.456 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

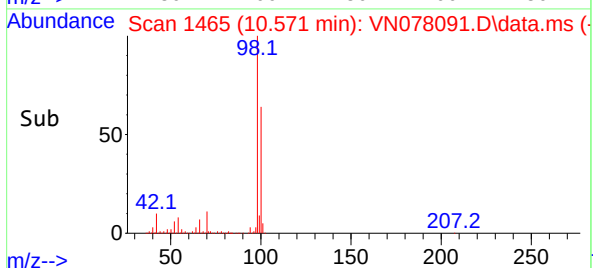
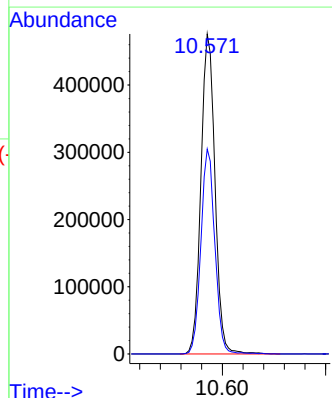
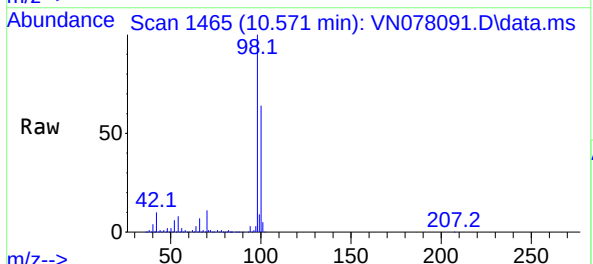
Instrument :
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VN0607WBL01

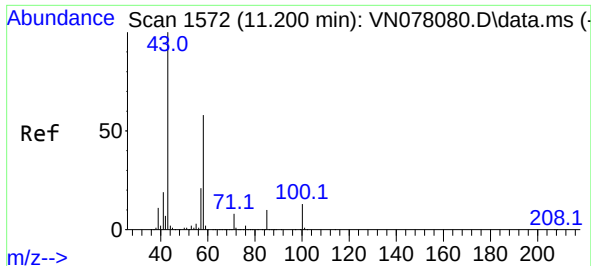
Tgt Ion: 43 Resp: 4478
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 50.738 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion: 98 Resp: 896851
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

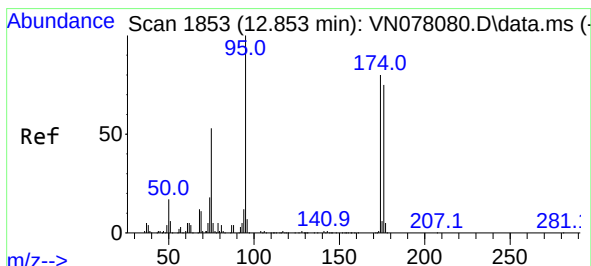
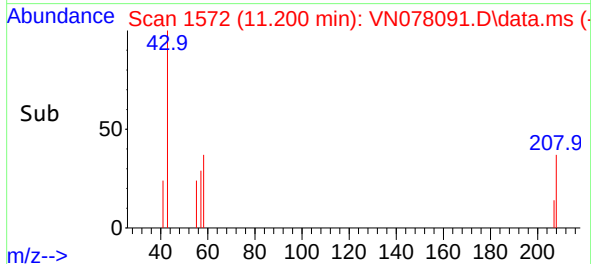
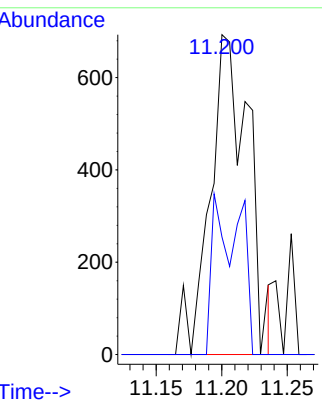
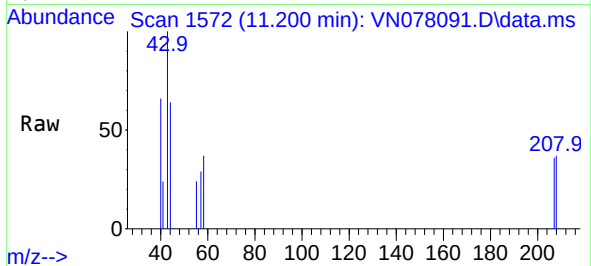




#59
2-Hexanone
Concen: 0.391 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

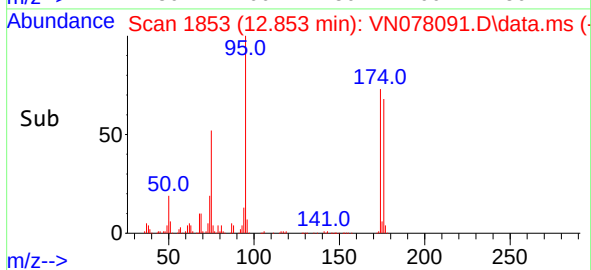
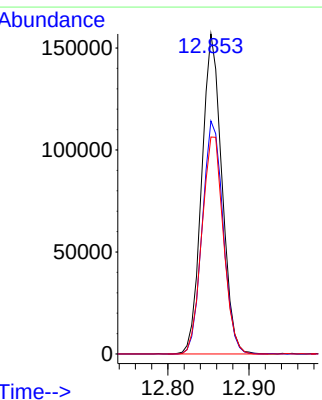
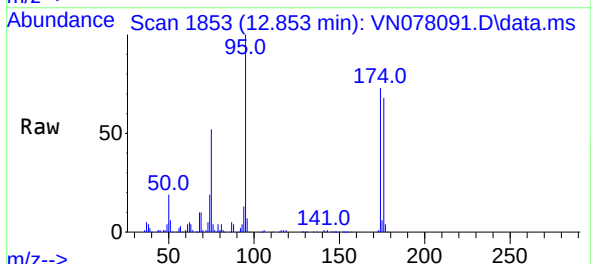
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL01

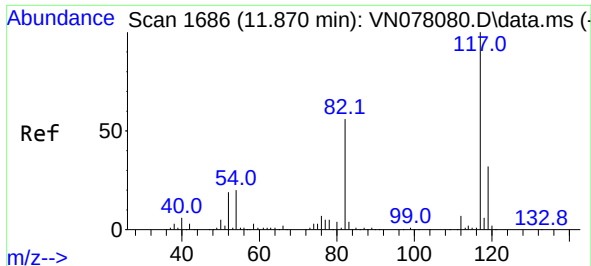
Tgt Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
58 19.9 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.210 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion: 95 Resp: 270413
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 72.4 0.0 135.8

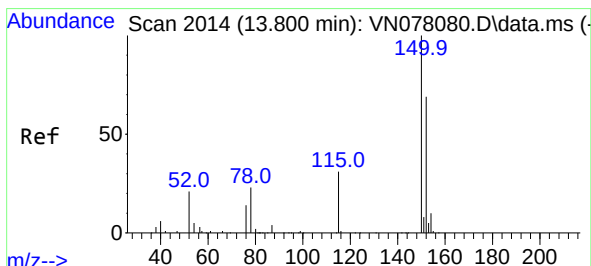
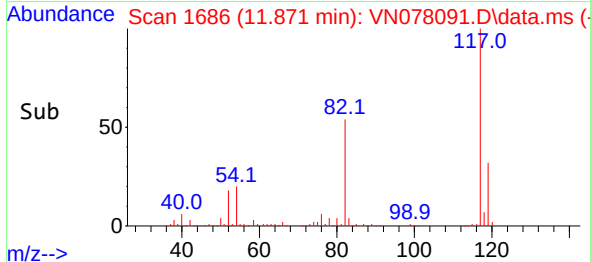
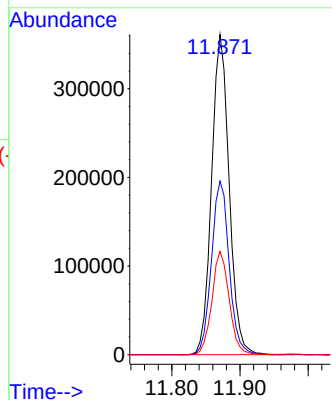
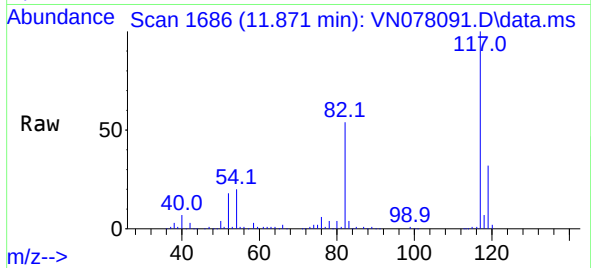




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

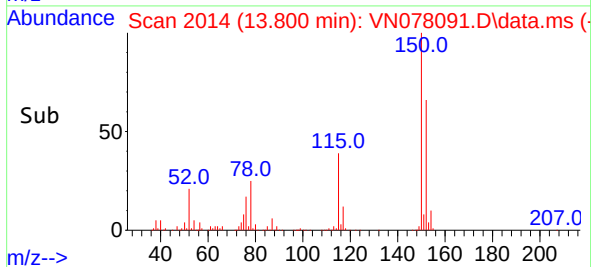
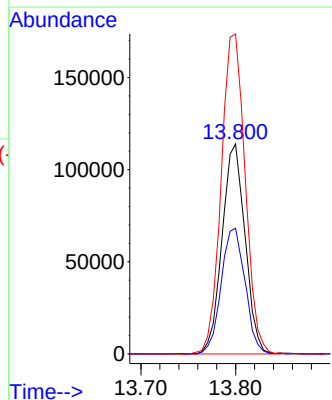
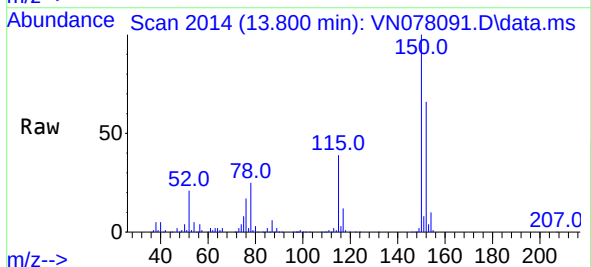
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL01

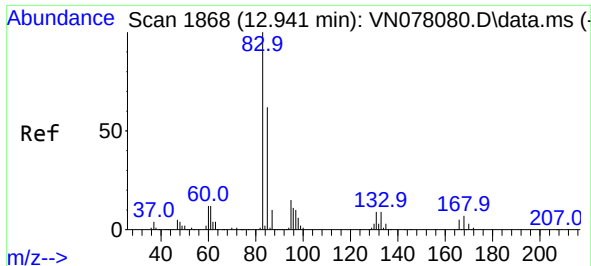
Tgt Ion:117 Resp: 647318
Ion Ratio Lower Upper
117 100
82 54.2 44.0 66.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.000 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion:152 Resp: 192743
Ion Ratio Lower Upper
152 100
115 62.1 32.3 96.8
150 158.5 0.0 355.8

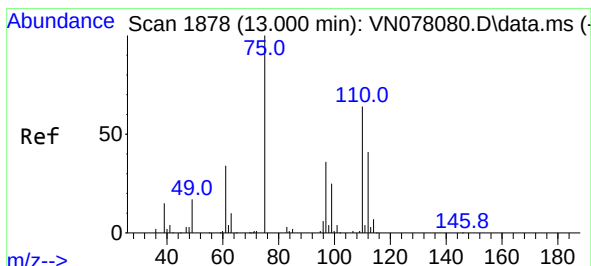
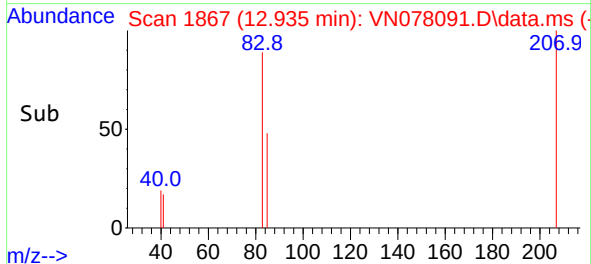
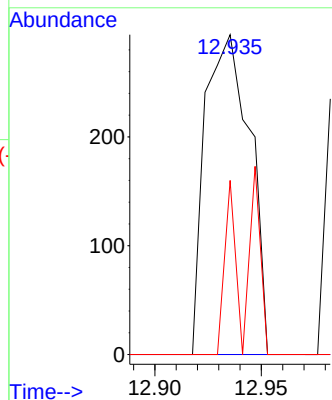
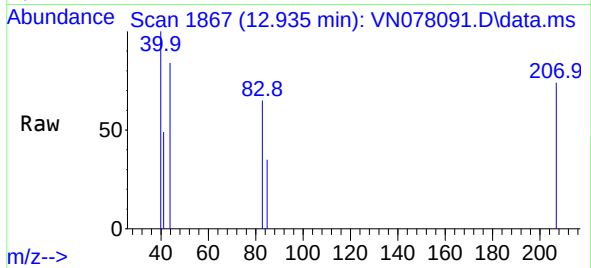




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

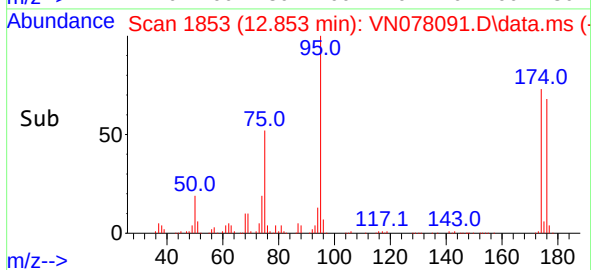
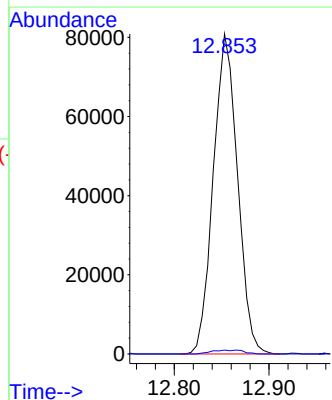
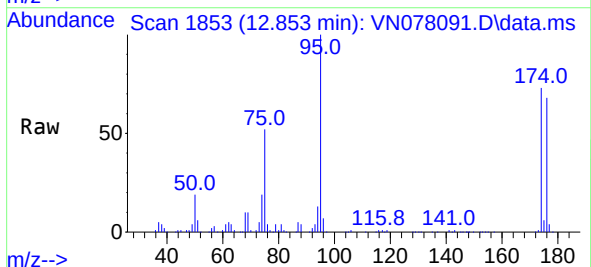
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL01

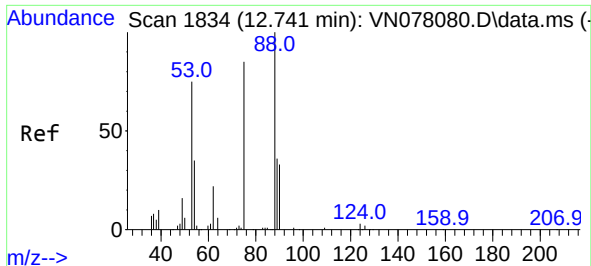
Tgt Ion: 83 Resp: 430
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 27.4 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 31.507 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion: 75 Resp: 143561
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#

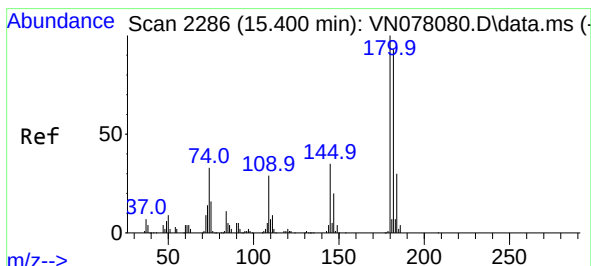
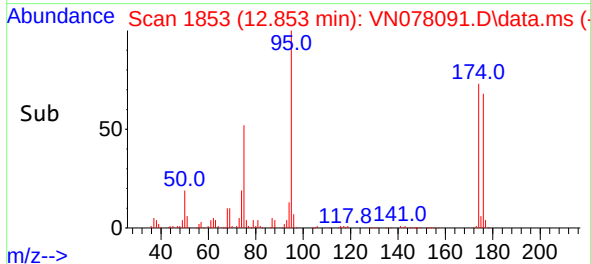
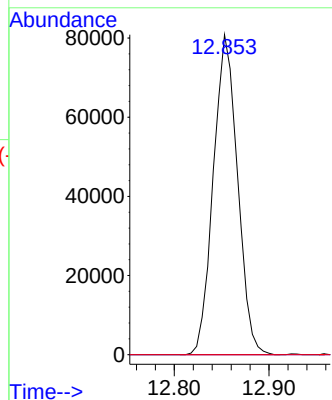
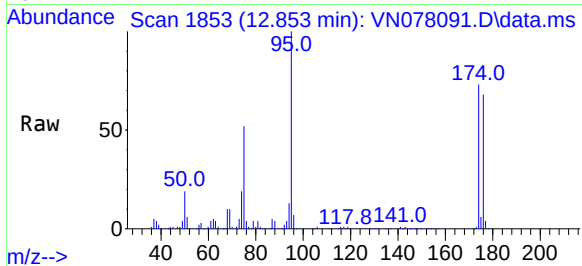




#81
trans-1,4-Dichloro-2-butene
Concen: 96.799 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

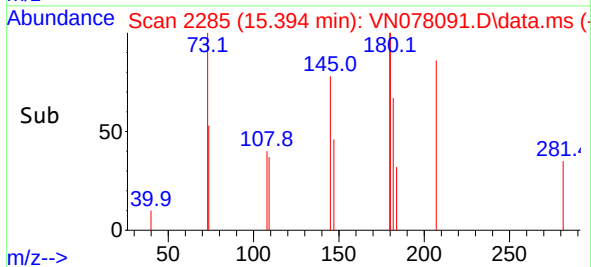
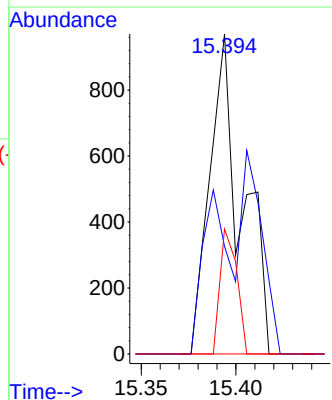
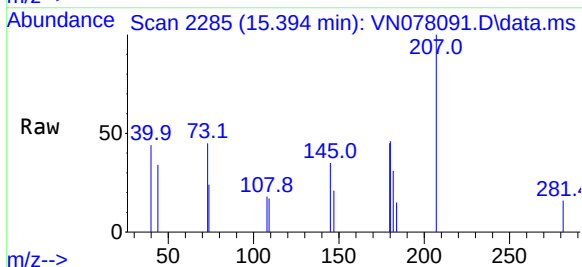
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL01

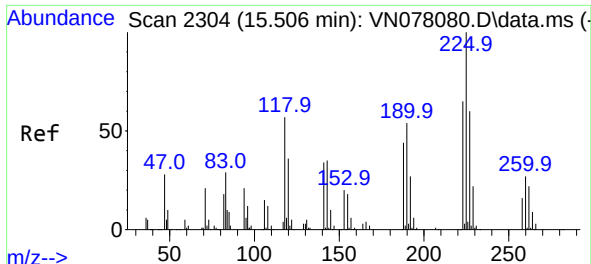
Tgt Ion: 75 Resp: 143561
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.456 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

Tgt Ion:180 Resp: 1136
Ion Ratio Lower Upper
180 100
182 42.6 46.1 138.2#
145 20.5 16.6 49.8

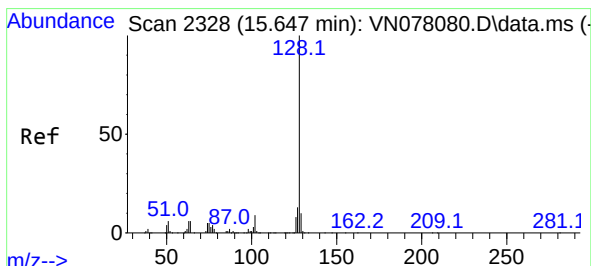
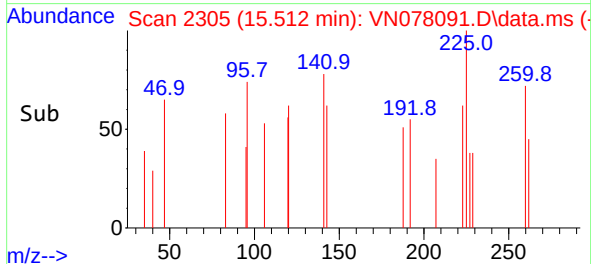
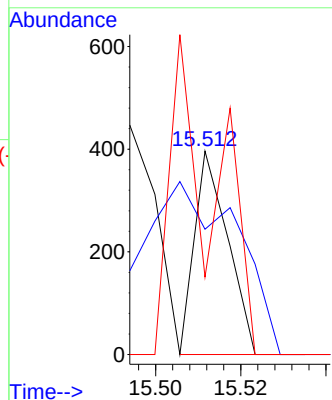
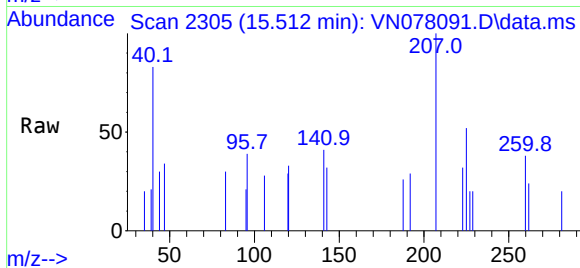




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.512 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

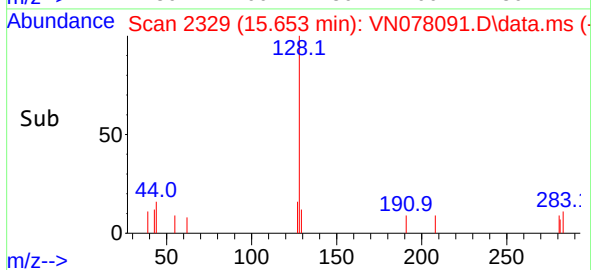
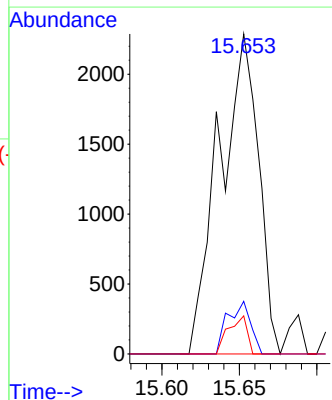
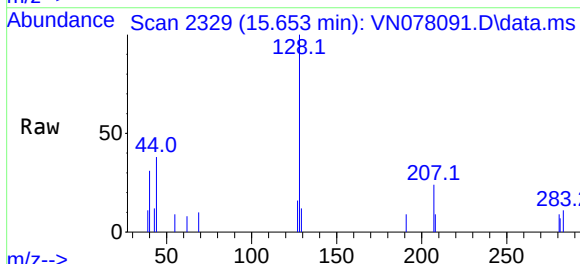
Instrument :
MSVOA_N
ClientSampleId :
VN0607WBL01

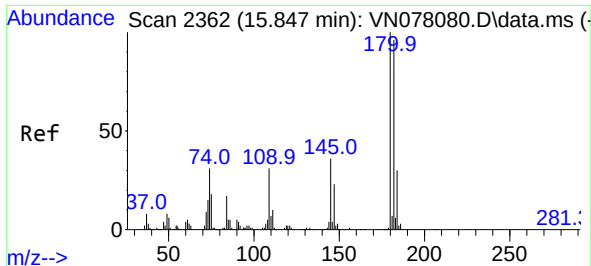
Tgt Ion:225 Resp: 214
Ion Ratio Lower Upper
225 100
223 241.6 31.3 93.8#
227 207.0 31.9 95.9#



#95
Naphthalene
Concen: 0.481 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN078091.D
Acq: 07 Jun 2023 10:07

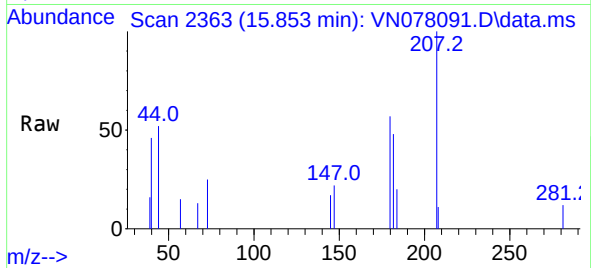
Tgt Ion:128 Resp: 4031
Ion Ratio Lower Upper
128 100
127 9.6 10.0 15.0#
129 5.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.448 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN078091.D
 Acq: 07 Jun 2023 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0607WBL01



Tgt Ion:	180	Resp:	1249
Ion	Ratio	Lower	Upper
180	100		
182	101.2	46.2	138.6
145	18.7	17.5	52.6

