

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
 Data File : VN078303.D
 Acq On : 20 Jun 2023 12:36
 Operator : JC\MD
 Sample : 03338-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-061923

Quant Time: Jun 21 05:45:06 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)

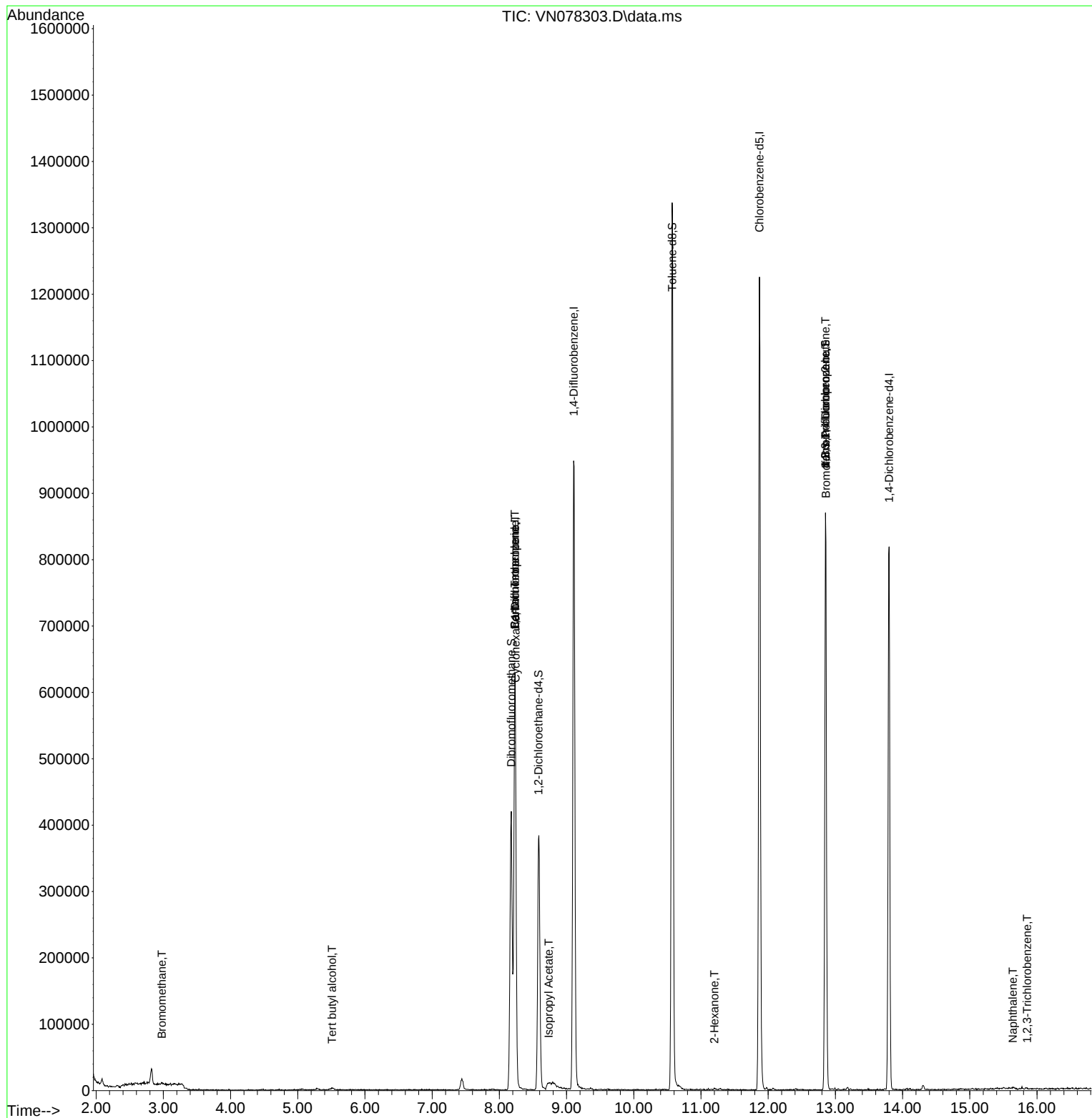
Internal Standards						
1) Pentafluorobenzene	8.230	168	451981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	848583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	727134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	225100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	322514	53.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.040%			
35) Dibromofluoromethane	8.177	113	300681	56.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.080%			
50) Toluene-d8	10.571	98	972866	47.034	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.060%			
62) 4-Bromofluorobenzene	12.853	95	305848	47.564	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.120%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1097	Below Cal	#	66
5) Bromomethane	2.977	94	2063	0.408	ug/l	96
11) Tert butyl alcohol	5.512	59	1843	2.215	ug/l #	72
31) Cyclohexane	8.241	56	11855	1.534	ug/l #	41
36) 1,1-Dichloropropene	8.235	75	40093	5.209	ug/l #	47
38) Carbon Tetrachloride	8.230	117	49096	6.042	ug/l #	16
43) Isopropyl Acetate	8.735	43	9952	0.866	ug/l #	49
59) 2-Hexanone	11.200	43	1116	0.265	ug/l #	31
71) Bromoform	12.859	173	2795	0.756	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	94	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	168852	31.730	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	168852	97.486	ug/l #	15
94) Hexachlorobutadiene	15.500	225	445	Below Cal	#	45
95) Naphthalene	15.641	128	2205	0.225	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.853	180	694	0.213	ug/l #	13

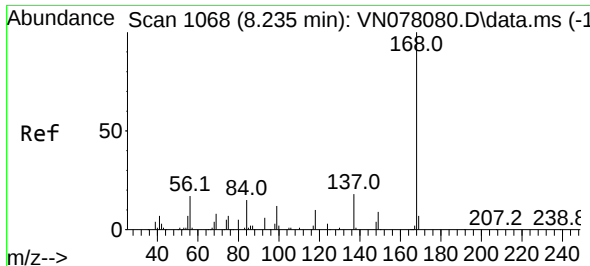
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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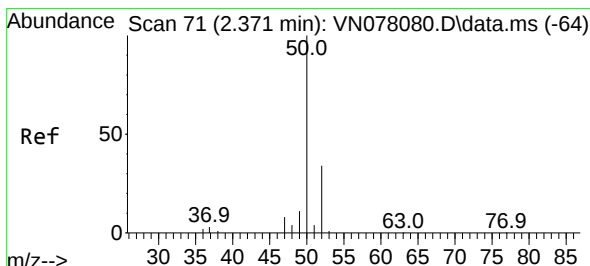
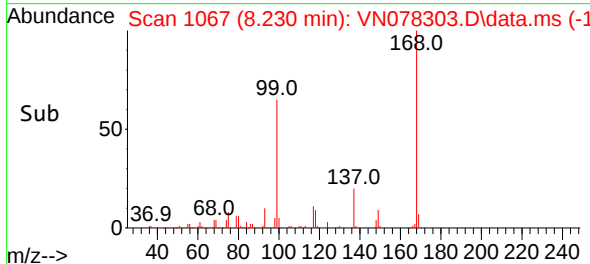
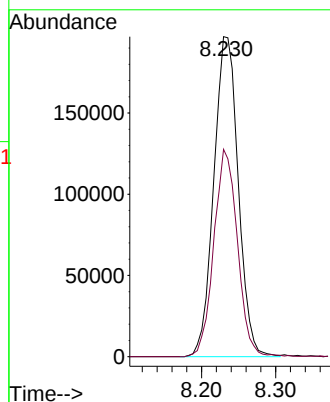
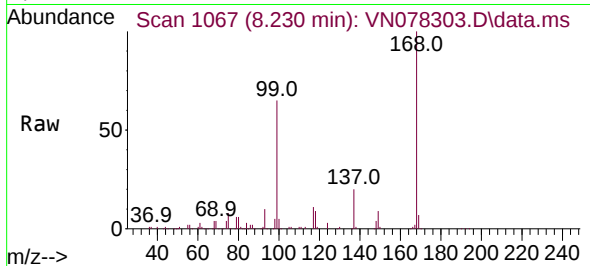




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

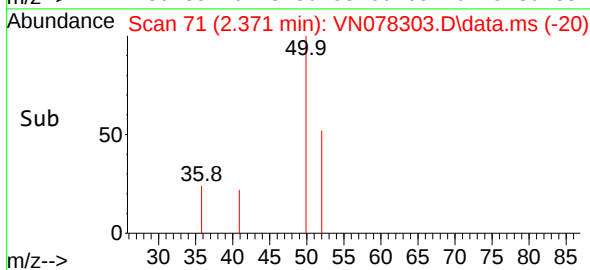
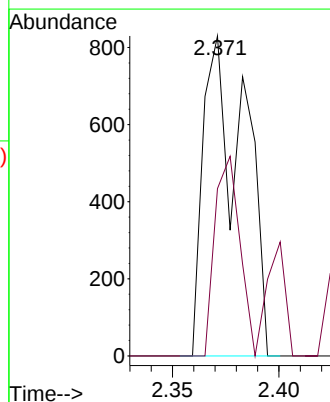
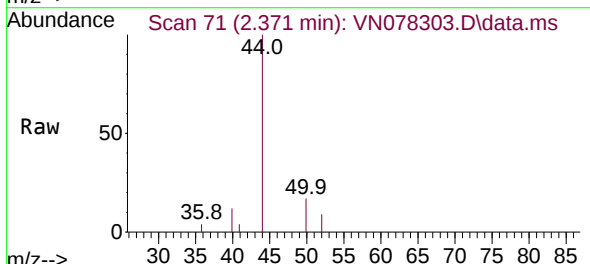
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061923

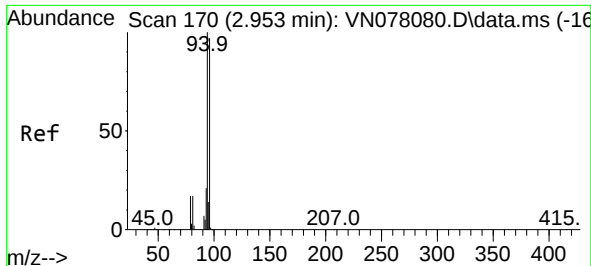
Tgt Ion:168 Resp: 451981
Ion Ratio Lower Upper
168 100
99 64.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

Tgt Ion: 50 Resp: 1097
Ion Ratio Lower Upper
50 100
52 52.3 26.5 39.7#

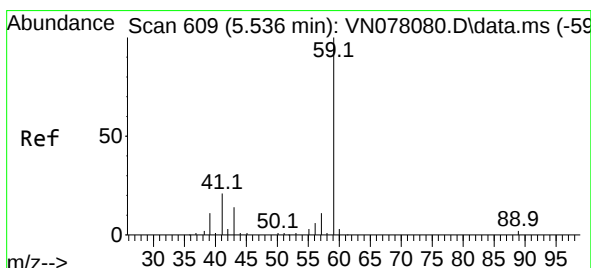
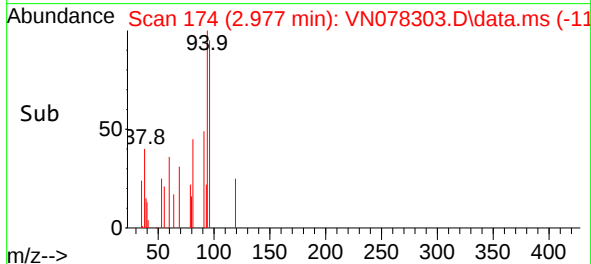
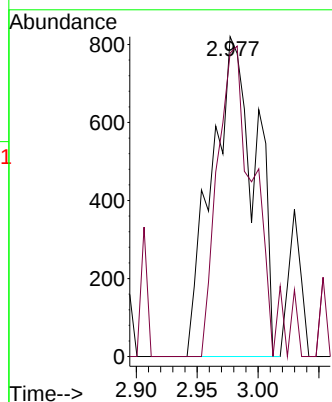
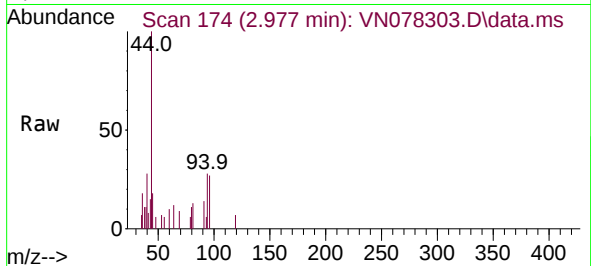




#5
Bromomethane
Concen: 0.408 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

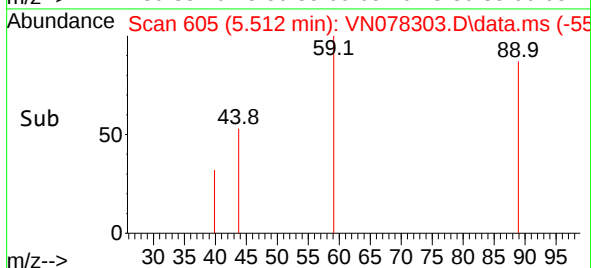
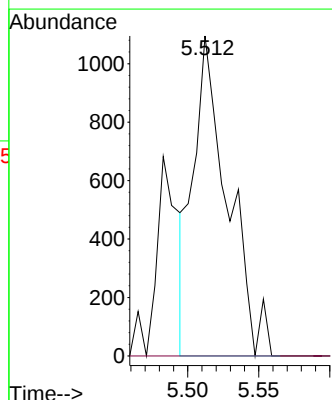
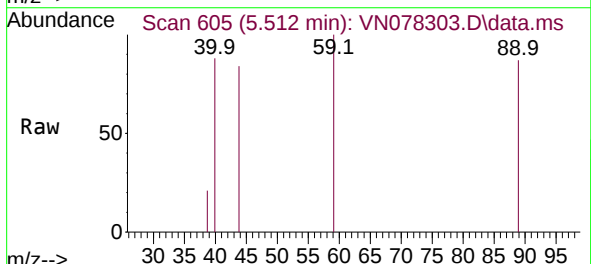
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061923

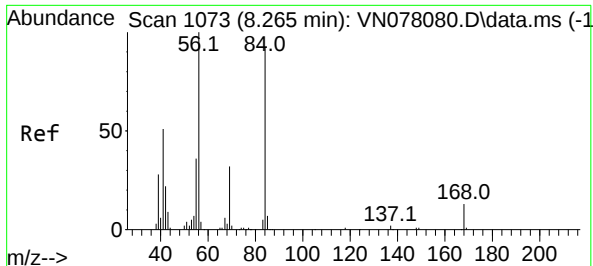
Tgt Ion: 94 Resp: 2063
Ion Ratio Lower Upper
94 100
96 94.9 73.1 109.7



#11
Tert butyl alcohol
Concen: 2.215 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.023 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

Tgt Ion: 59 Resp: 1843
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

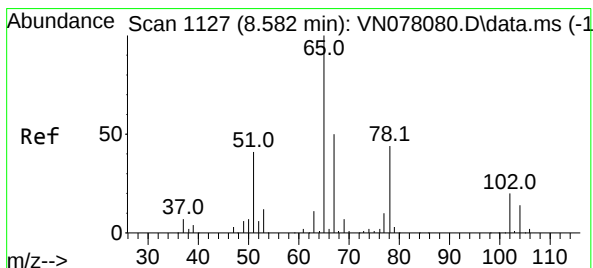
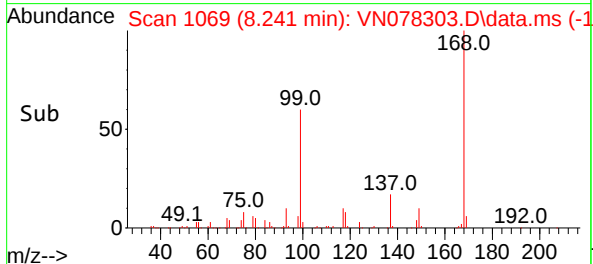
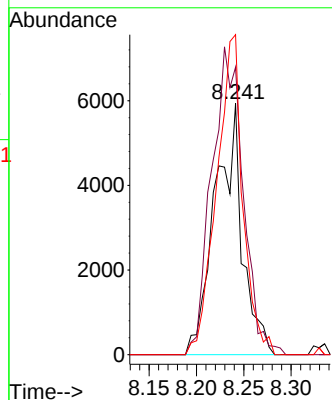
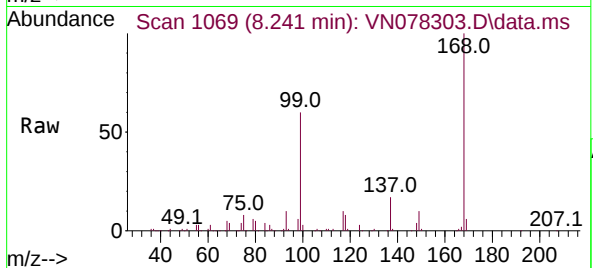




#31
Cyclohexane
Concen: 1.534 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

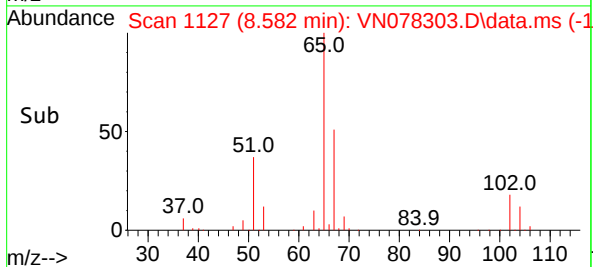
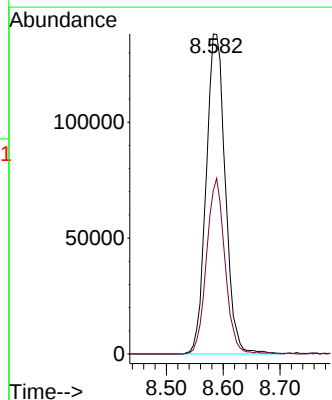
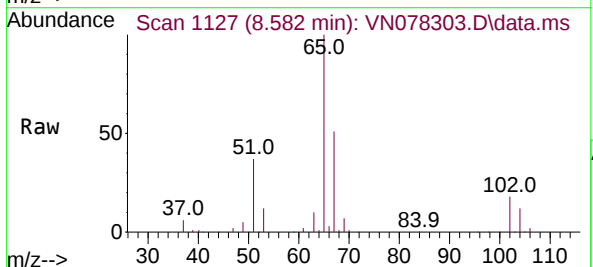
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061923

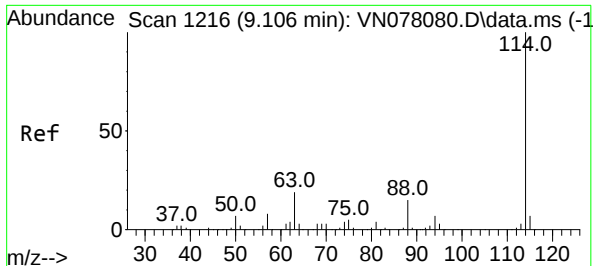
Tgt Ion: 56 Resp: 11855
Ion Ratio Lower Upper
56 100
69 114.4 26.8 40.2#
84 133.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.518 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

Tgt Ion: 65 Resp: 322514
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078303.D

Acq: 20 Jun 2023 12:36

Instrument :

MSVOA_N

ClientSampleId :

TB-01-061923

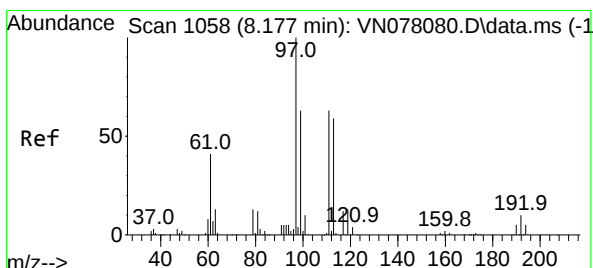
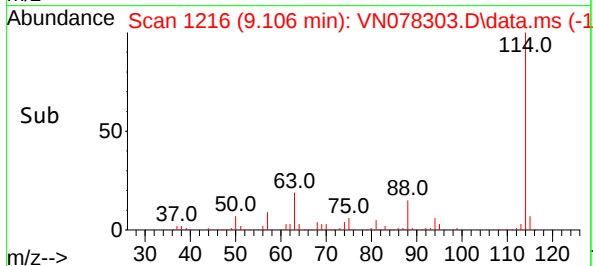
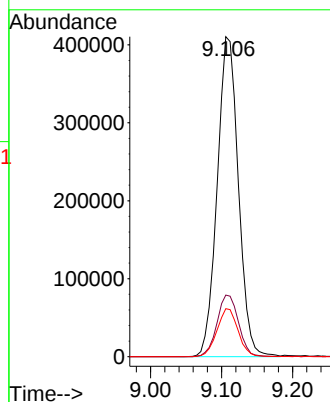
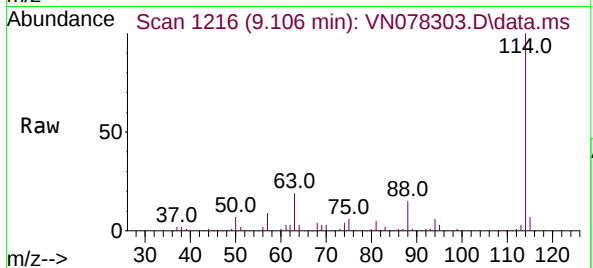
Tgt Ion:114 Resp: 848583

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.040 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078303.D

Acq: 20 Jun 2023 12:36

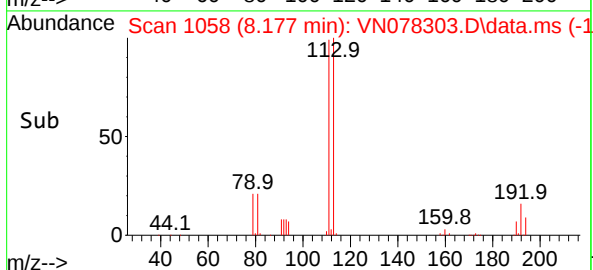
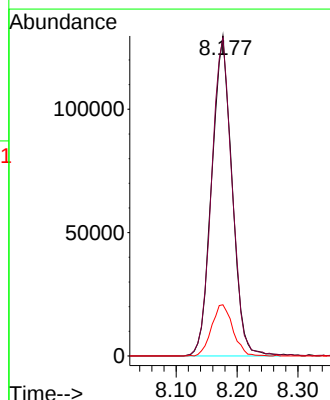
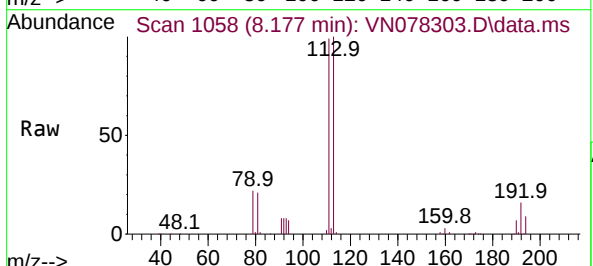
Tgt Ion:113 Resp: 300681

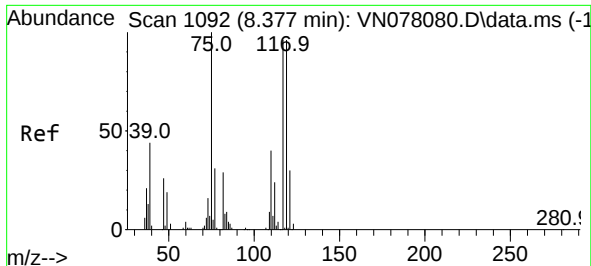
Ion Ratio Lower Upper

113 100

111 100.7 82.6 123.8

192 16.7 12.7 19.1

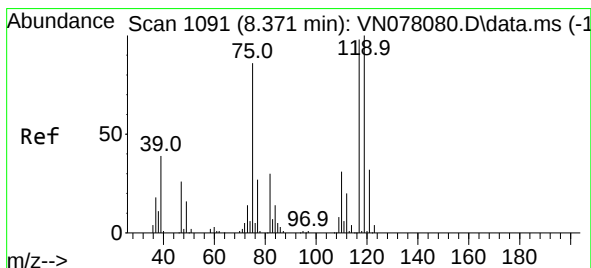
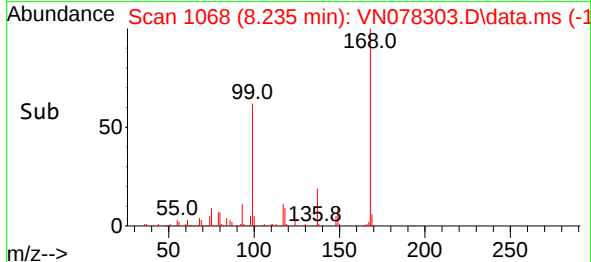
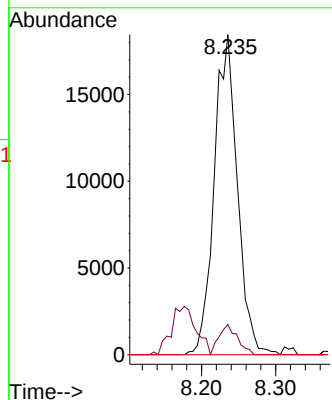
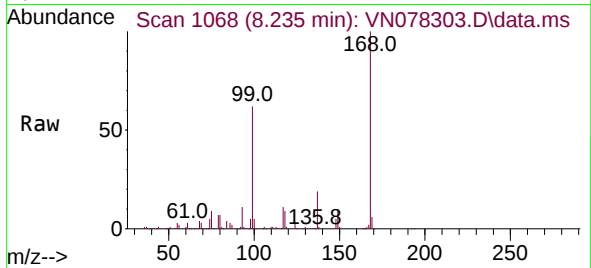




#36
1,1-Dichloropropene
Concen: 5.209 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

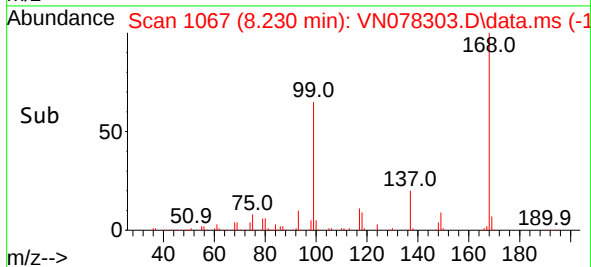
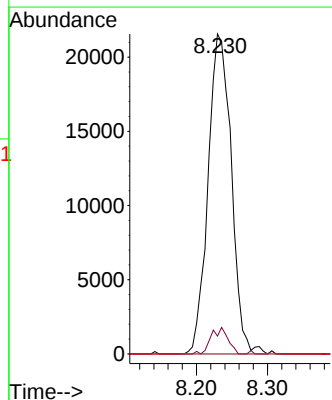
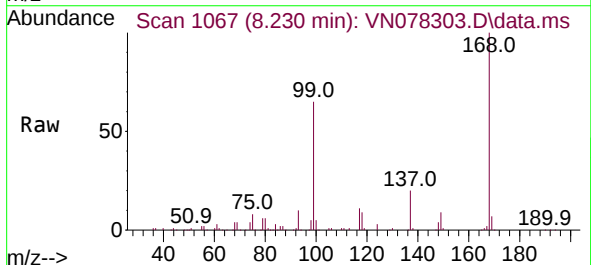
Instrument :
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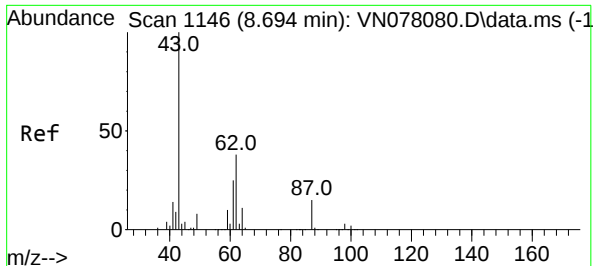
Tgt Ion: 75 Resp: 40093
Ion Ratio Lower Upper
75 100
110 7.5 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.042 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

Tgt Ion: 117 Resp: 49096
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 23.3 34.9#

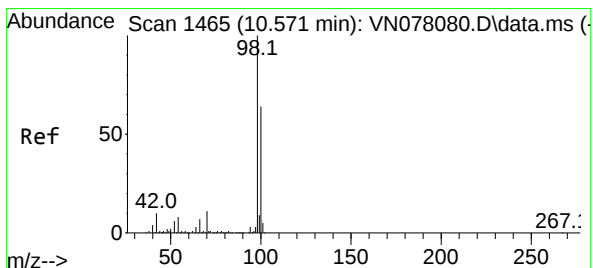
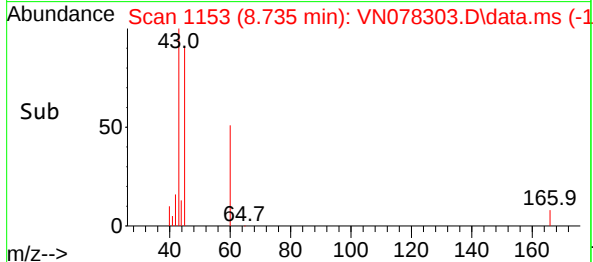
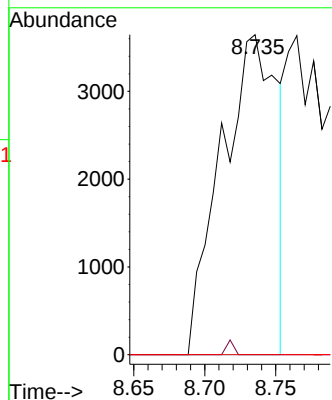
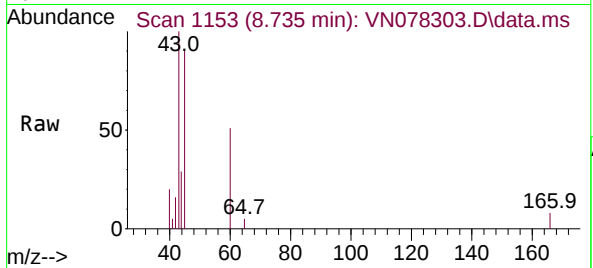




#43
Isopropyl Acetate
Concen: 0.866 ug/l
RT: 8.735 min Scan# 1146
Delta R.T. 0.041 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

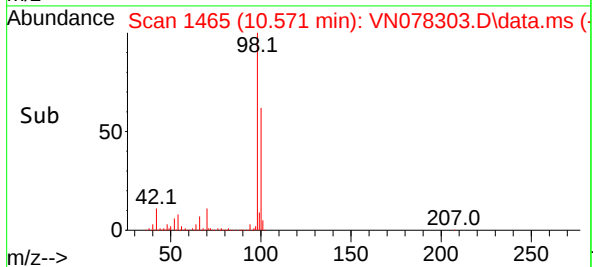
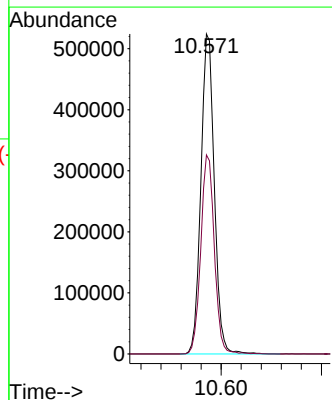
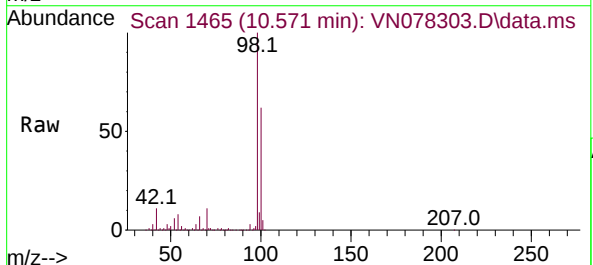
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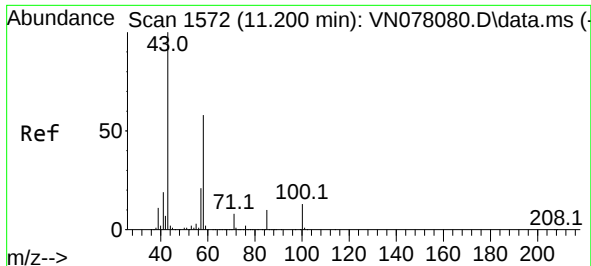
Tgt Ion: 43 Resp: 9952
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 47.034 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

Tgt Ion: 98 Resp: 972866
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0

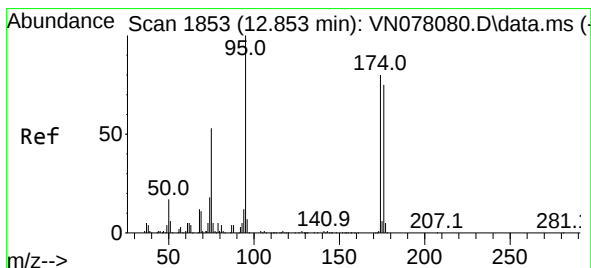
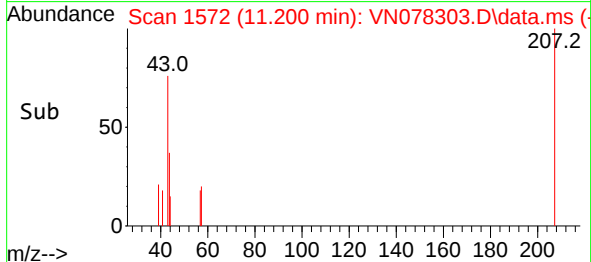
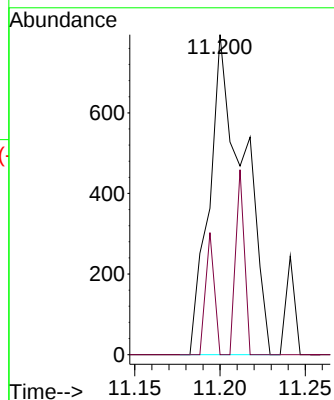
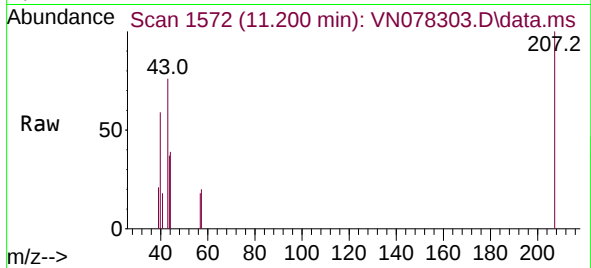




#59
2-Hexanone
Concen: 0.265 ug/l
RT: 11.200 min Scan# 1116
Delta R.T. 0.000 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

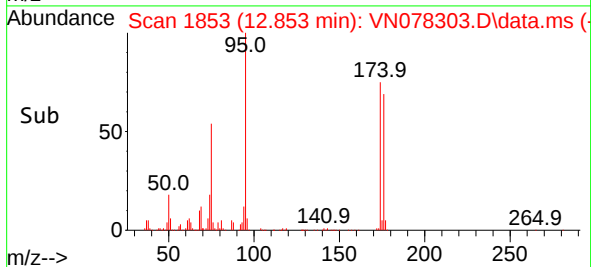
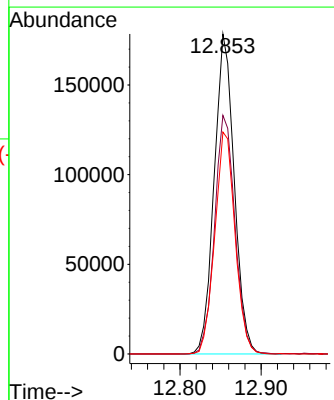
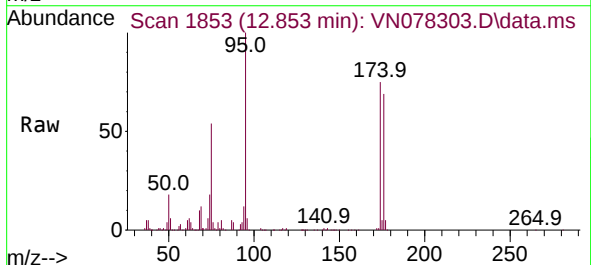
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061923

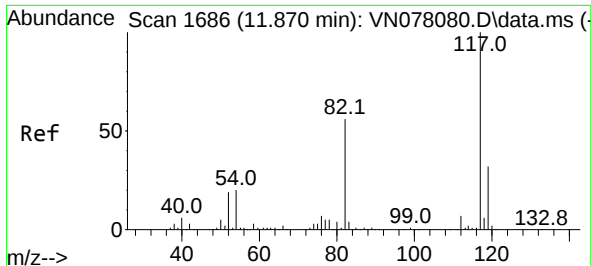
Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 9.6 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.564 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

Tgt Ion: 95 Resp: 305848
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 70.2 0.0 135.8

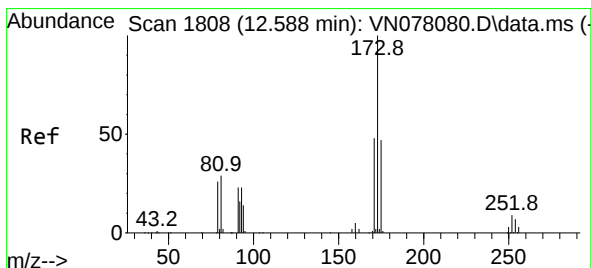
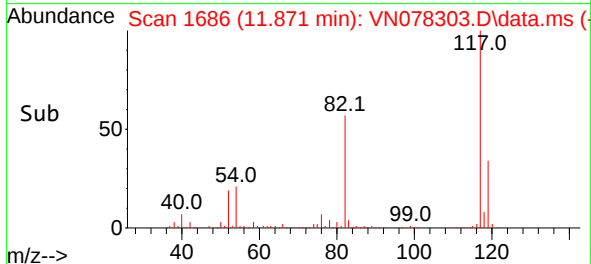
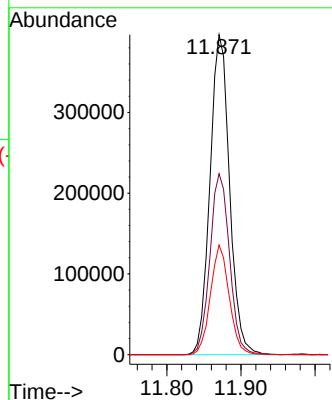
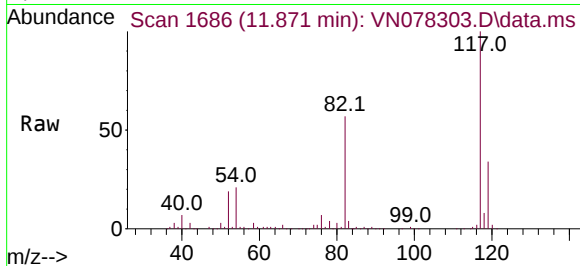




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

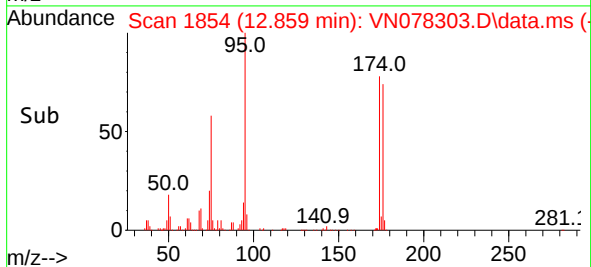
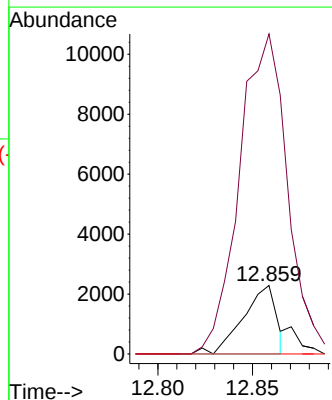
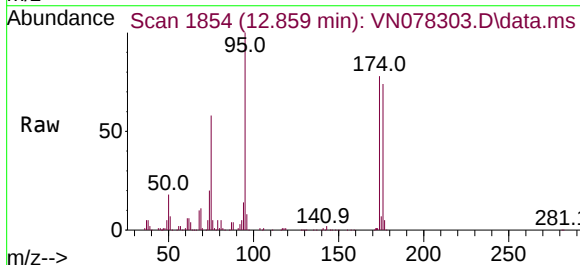
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061923

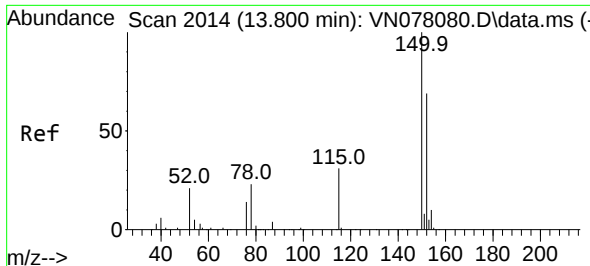
Tgt Ion:117 Resp: 727134
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 34.3 25.6 38.4



#71
Bromoform
Concen: 0.756 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

Tgt Ion:173 Resp: 2795
Ion Ratio Lower Upper
173 100
175 578.4 24.3 73.0#
254 0.0 0.0 0.0

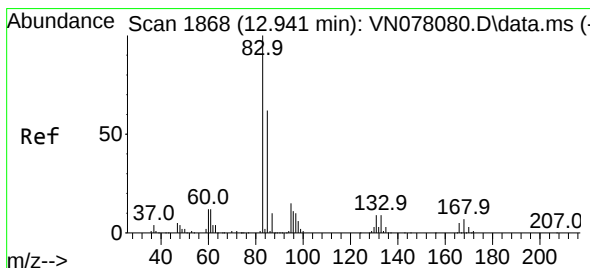
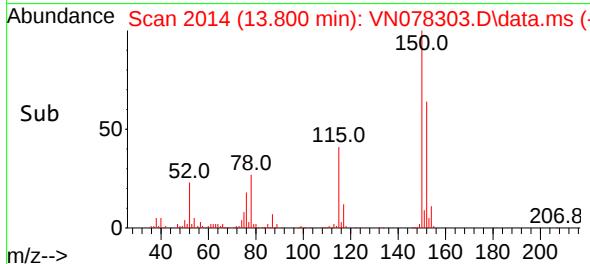
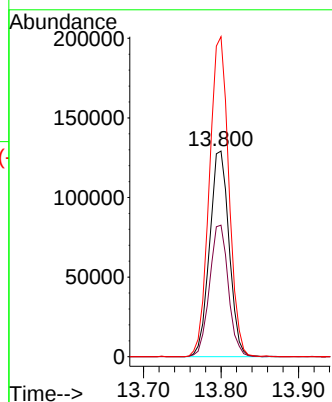
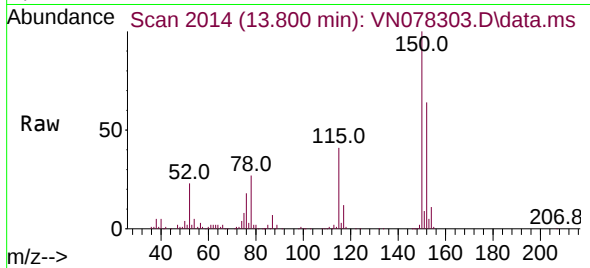




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: VN078303.D
 Acq: 20 Jun 2023 12:36

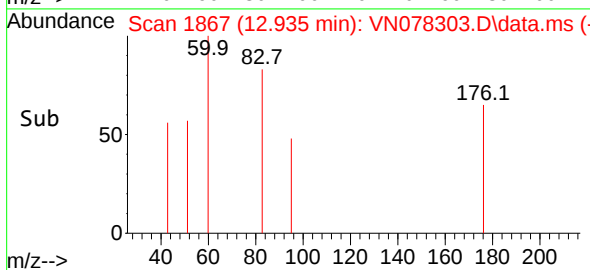
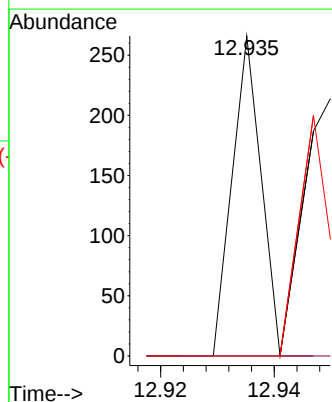
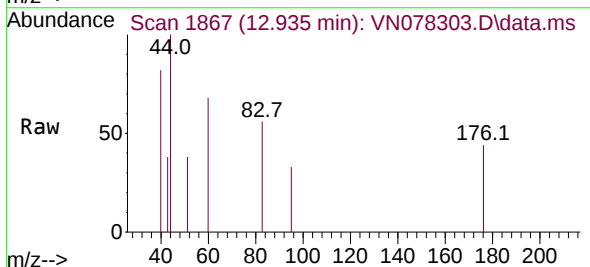
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-061923

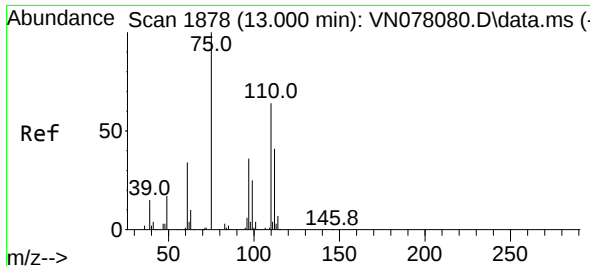
Tgt Ion:152 Resp: 225100
 Ion Ratio Lower Upper
 152 100
 115 61.9 32.3 96.8
 150 155.7 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.935 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: VN078303.D
 Acq: 20 Jun 2023 12:36

Tgt Ion: 83 Resp: 94
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#

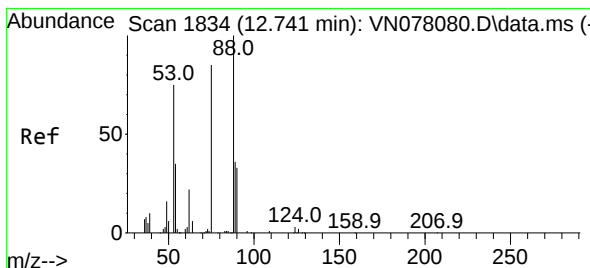
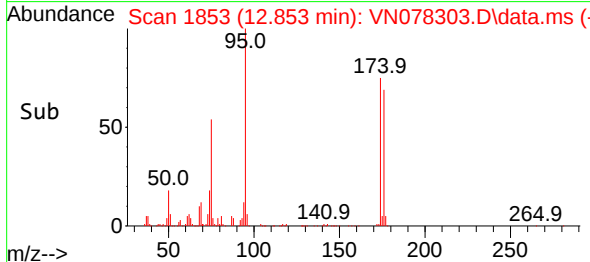
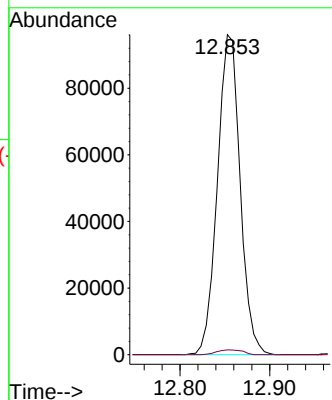
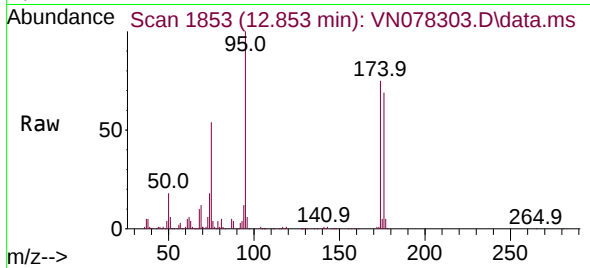




#76
 1,2,3-Trichloropropane
 Concen: 31.730 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078303.D
 Acq: 20 Jun 2023 12:36

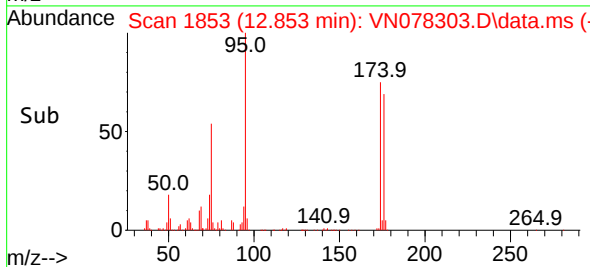
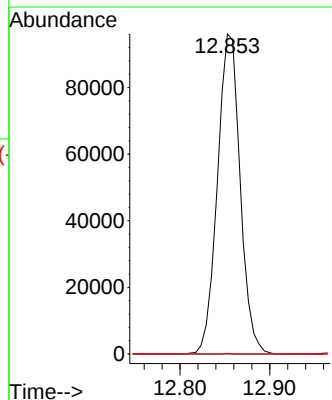
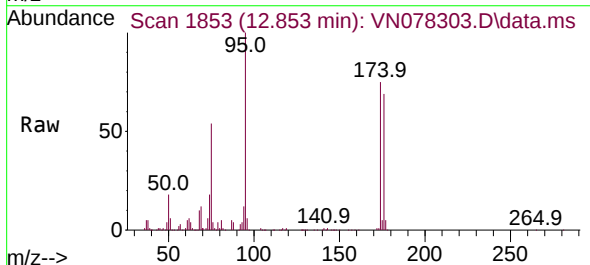
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-061923

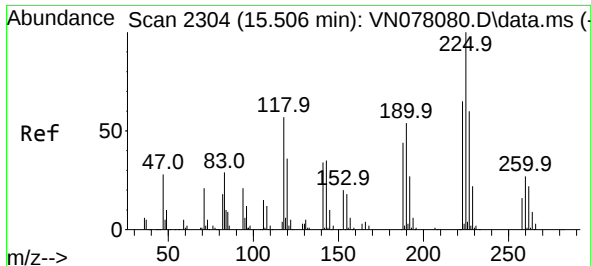
Tgt Ion: 75 Resp: 168852
 Ion Ratio Lower Upper
 75 100
 77 1.7 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.486 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN078303.D
 Acq: 20 Jun 2023 12:36

Tgt Ion: 75 Resp: 168852
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

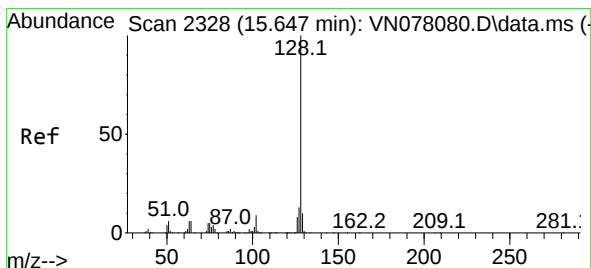
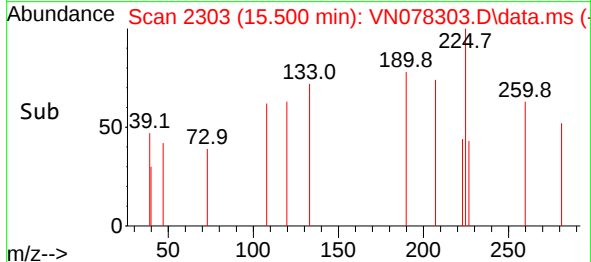
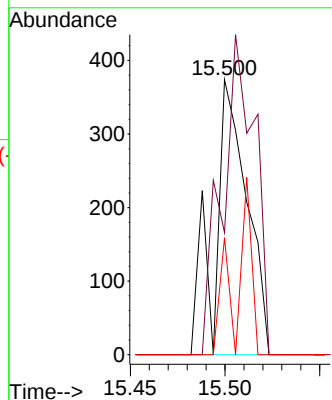
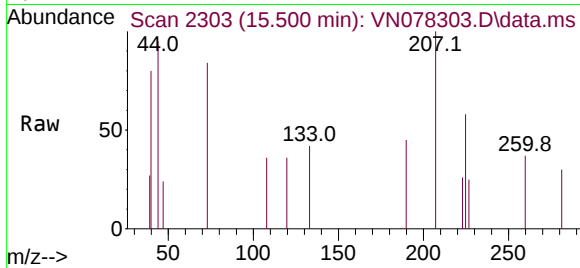




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

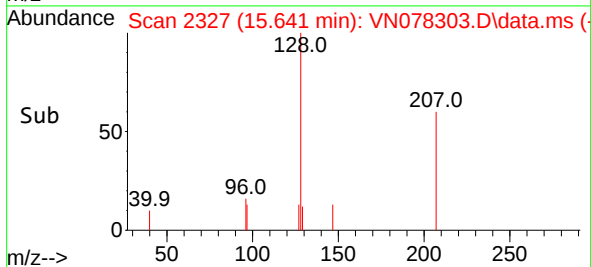
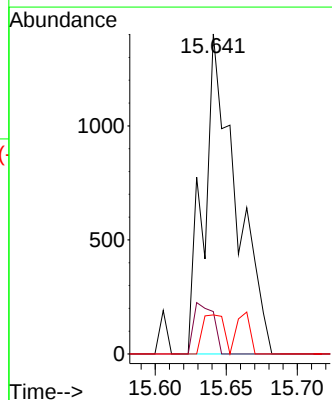
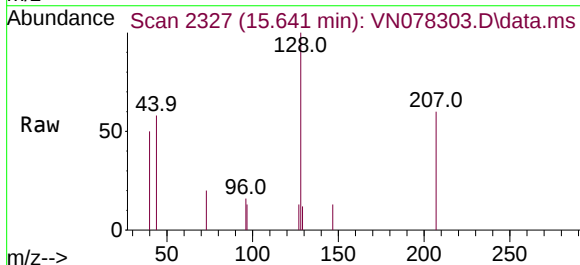
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061923

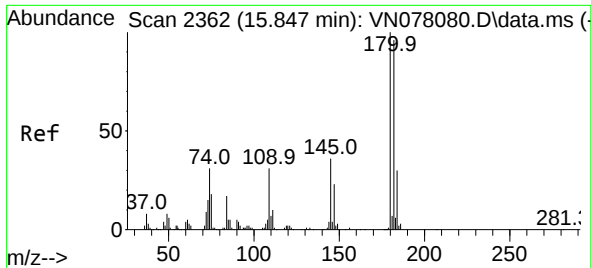
Tgt Ion:225 Resp: 445
Ion Ratio Lower Upper
225 100
223 116.2 31.3 93.8#
227 31.7 31.9 95.9#



#95
Naphthalene
Concen: 0.225 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078303.D
Acq: 20 Jun 2023 12:36

Tgt Ion:128 Resp: 2205
Ion Ratio Lower Upper
128 100
127 9.8 10.0 15.0#
129 8.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.213 ug/l

RT: 15.853 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN078303.D

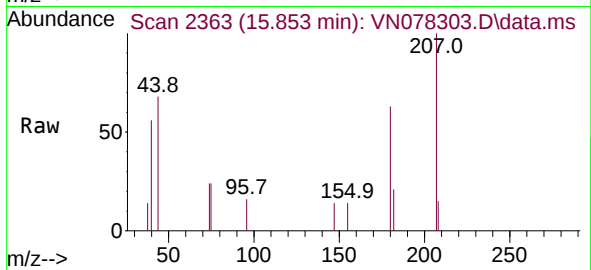
Acq: 20 Jun 2023 12:36

Instrument :

MSVOA_N

ClientSampleId :

TB-01-061923



Tgt Ion:180 Resp: 694

Ion Ratio Lower Upper

180 100

182 0.0 46.2 138.6#

145 0.0 17.5 52.6#

