

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080057.D
 Acq On : 13 Nov 2023 11:31
 Operator : JC\MD
 Sample : VN1113WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 19:22:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

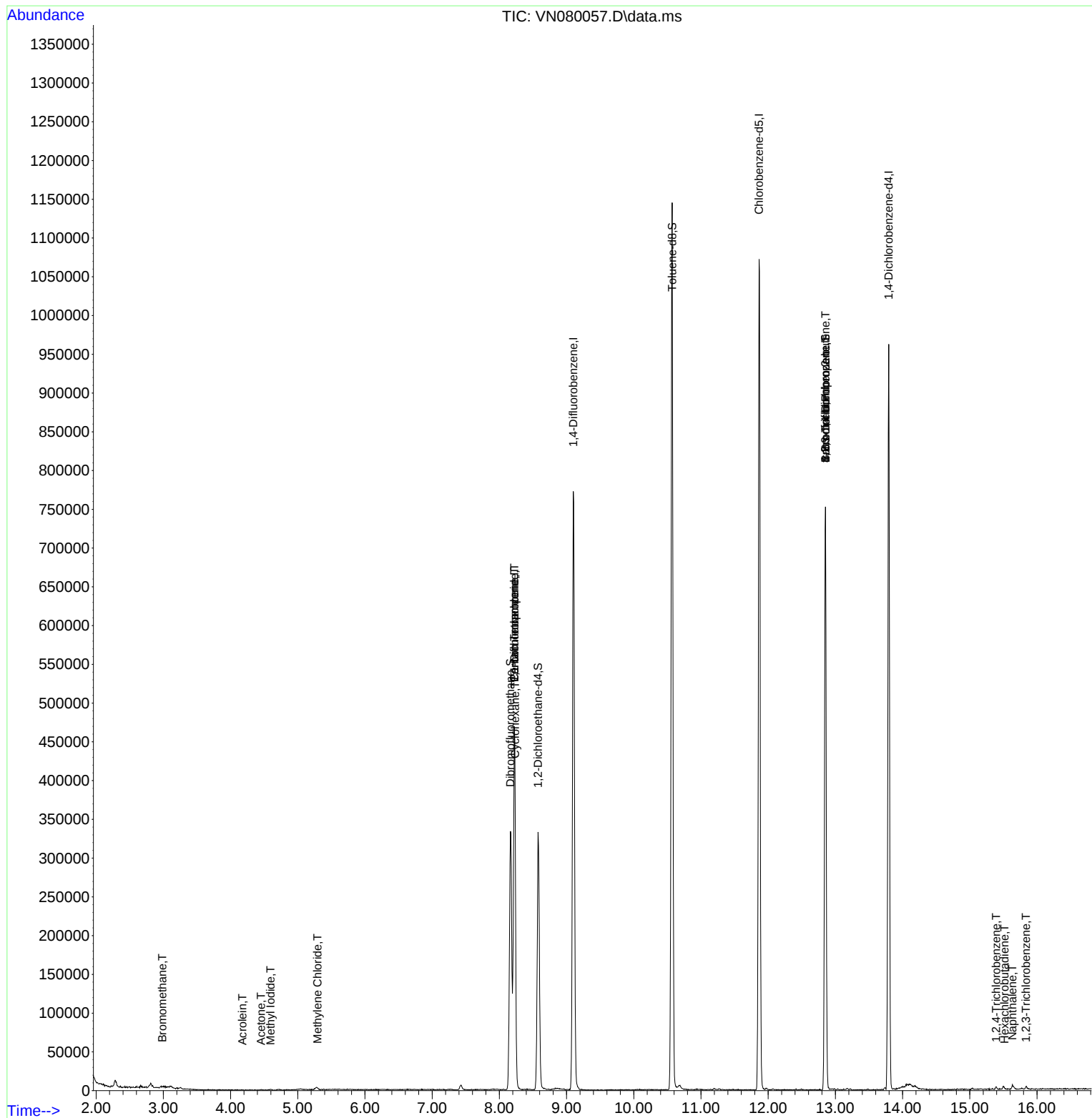
Internal Standards						
1) Pentafluorobenzene	8.224	168	332588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	662627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	635814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	251367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	267563	52.804	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.600%		
35) Dibromofluoromethane	8.165	113	252716	53.886	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 107.780%		
50) Toluene-d8	10.571	98	782563	45.327	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 90.660%		
62) 4-Bromofluorobenzene	12.853	95	266715	46.580	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 93.160%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	912	Below Cal	#	76
5) Bromomethane	2.983	94	970	0.304	ug/l #	4
10) Methyl Iodide	4.594	142	1122	0.260	ug/l #	82
13) Acrolein	4.177	56	130	2.791	ug/l #	16
16) Acetone	4.453	43	607	0.341	ug/l #	40
20) Methylene Chloride	5.294	84	2461	0.548	ug/l #	72
31) Cyclohexane	8.235	56	7094	1.059	ug/l #	45
36) 1,1-Dichloropropene	8.224	75	27893	4.165	ug/l #	49
38) Carbon Tetrachloride	8.224	117	34686	5.140	ug/l #	17
71) Bromoform	12.853	173	2005	0.568	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	139145	23.578	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	139145	64.151	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	1269	0.325	ug/l	87
94) Hexachlorobutadiene	15.517	225	837	0.473	ug/l #	77
95) Naphthalene	15.635	128	5335	0.403	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.835	180	1328	0.347	ug/l	83

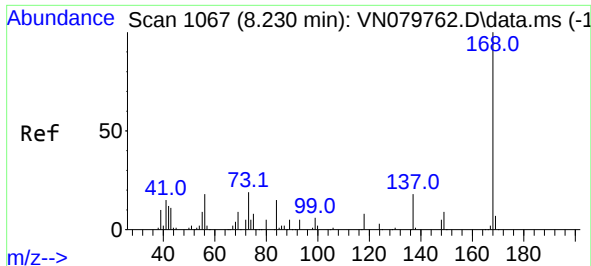
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

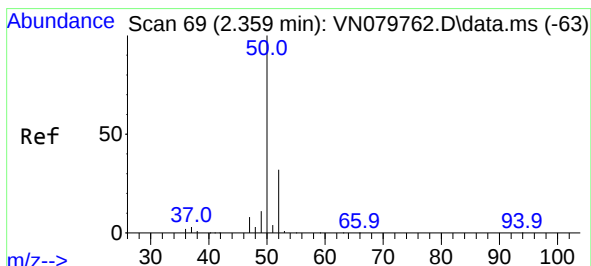
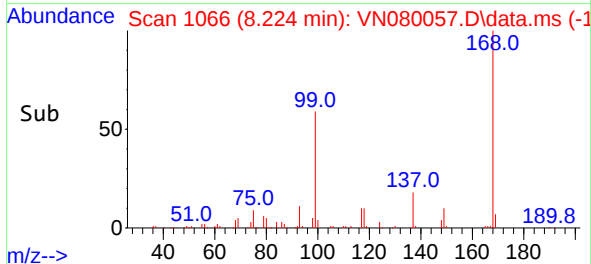
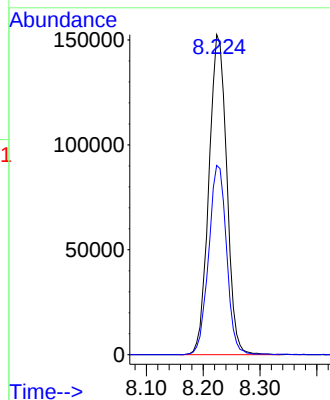
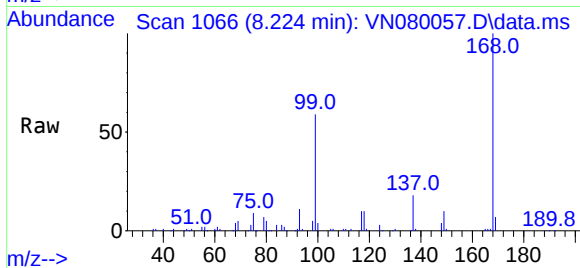




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

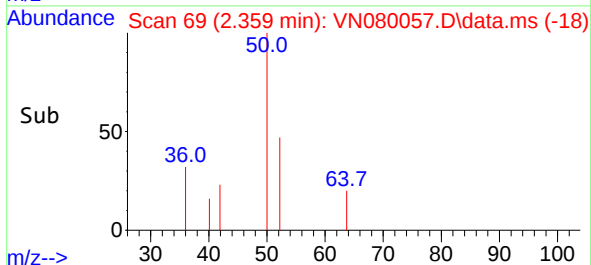
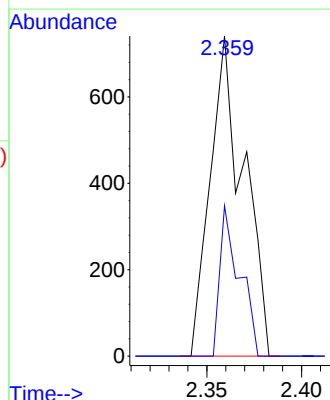
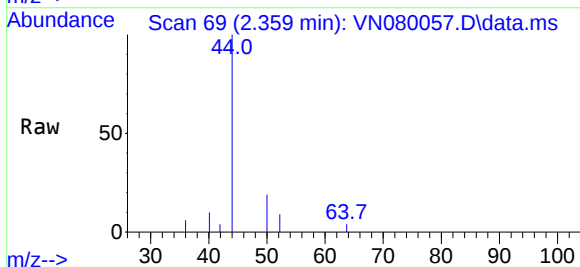
Instrument :
MSVOA_N
ClientSampleId :

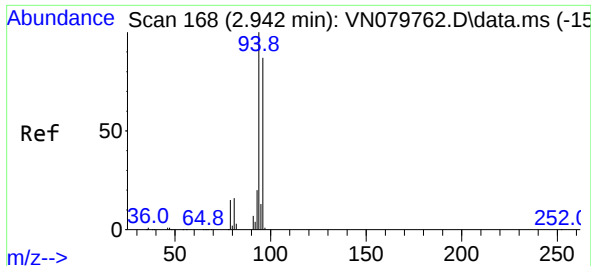
Tgt Ion:168 Resp: 332588
Ion Ratio Lower Upper
168 100
99 59.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Tgt Ion: 50 Resp: 912
Ion Ratio Lower Upper
50 100
52 47.0 26.5 39.7#

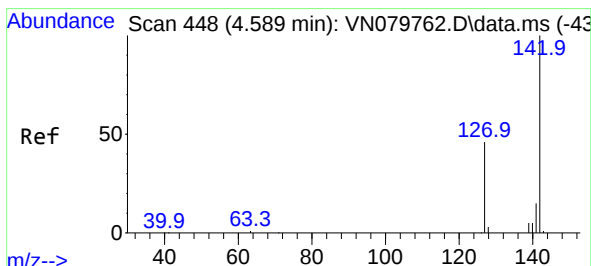
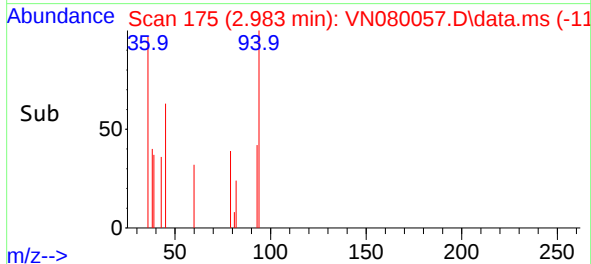
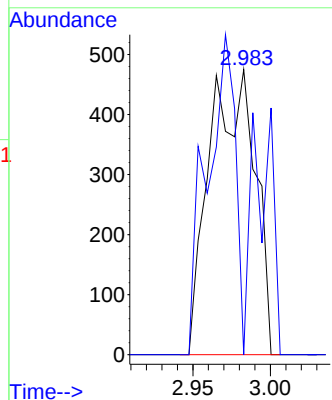
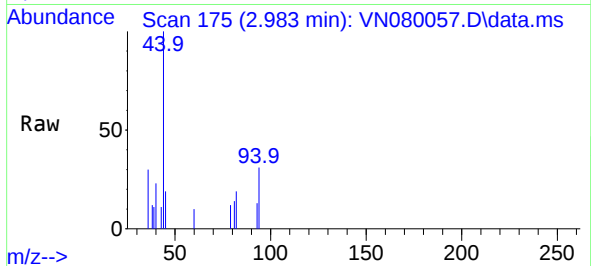




#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

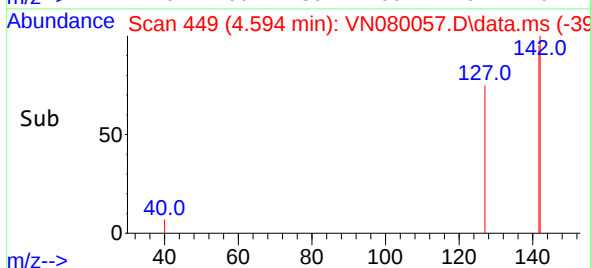
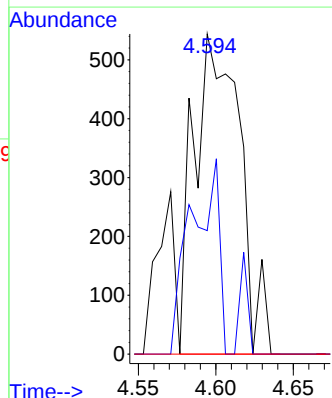
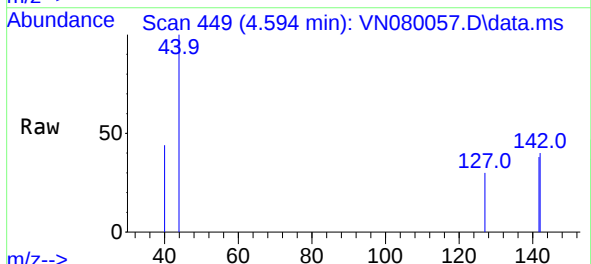
Instrument :
MSVOA_N
ClientSampleId :

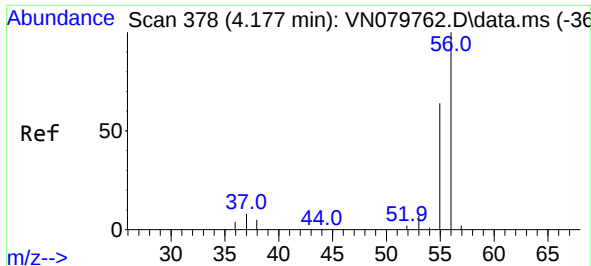
Tgt Ion: 94 Resp: 970
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#10
Methyl Iodide
Concen: 0.260 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

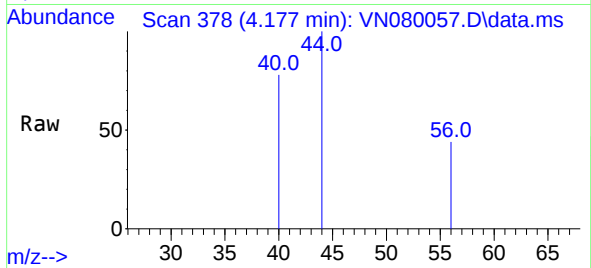
Tgt Ion:142 Resp: 1122
Ion Ratio Lower Upper
142 100
127 38.6 37.6 56.4
141 0.0 11.4 17.0#



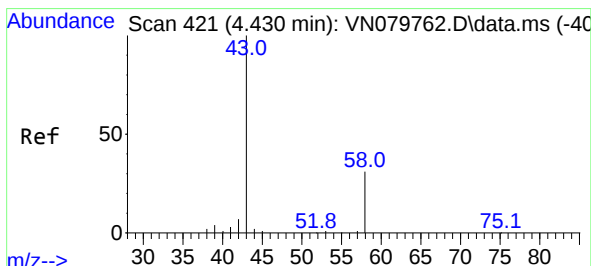
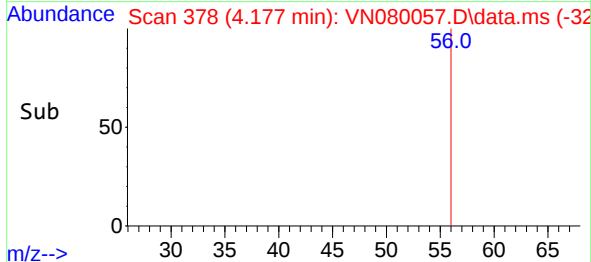
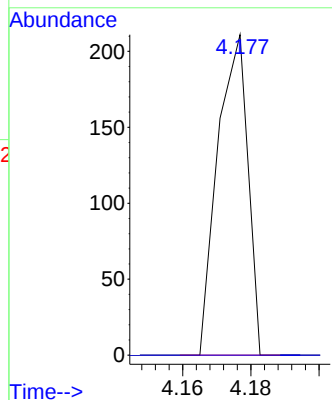


#13
Acrolein
Concen: 2.791 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Instrument :
MSVOA_N
ClientSampleId :

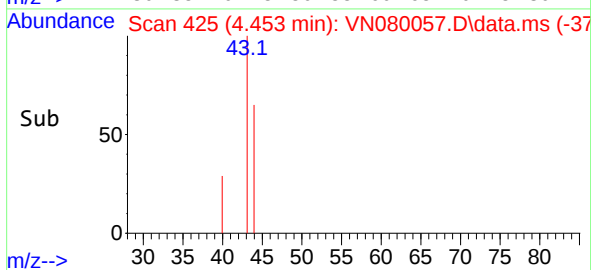
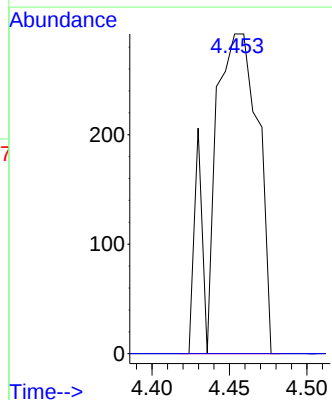
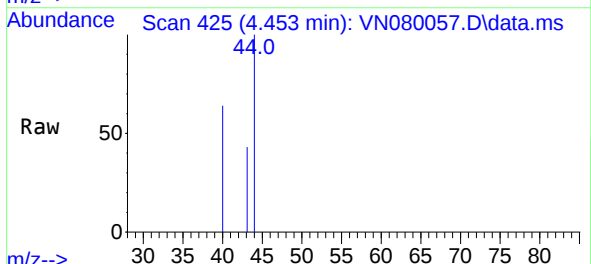


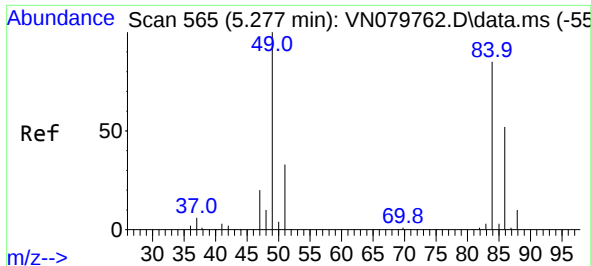
Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 0.341 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.024 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

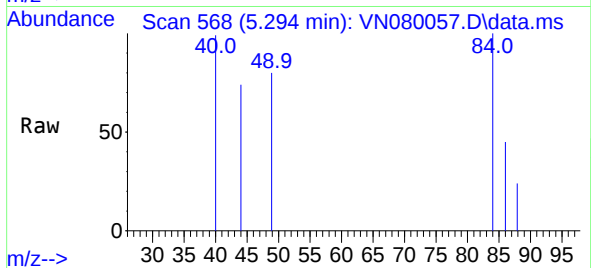
Tgt Ion: 43 Resp: 607
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



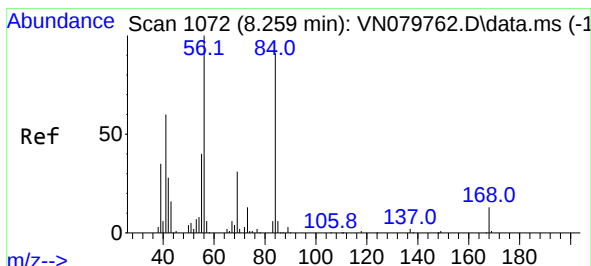
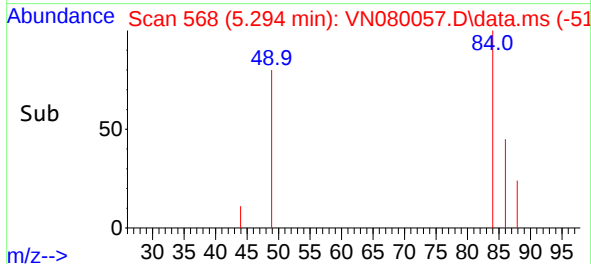
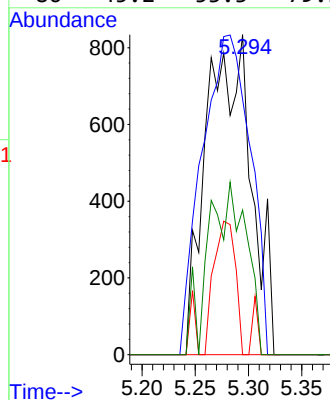


#20
Methylene Chloride
Concen: 0.548 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Instrument :
MSVOA_N
ClientSampleId :

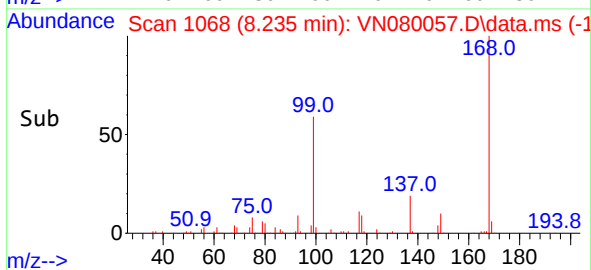
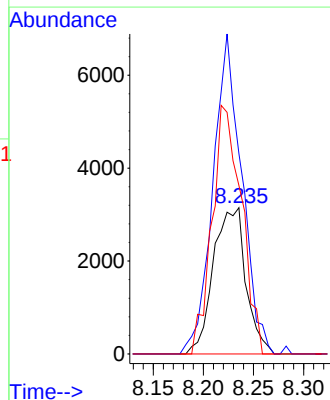
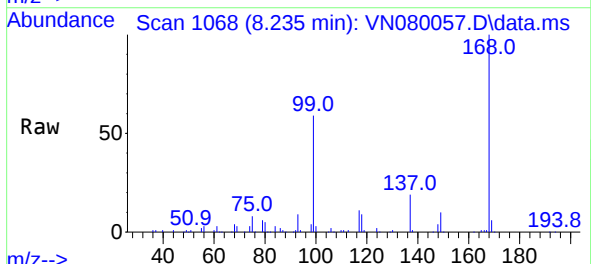


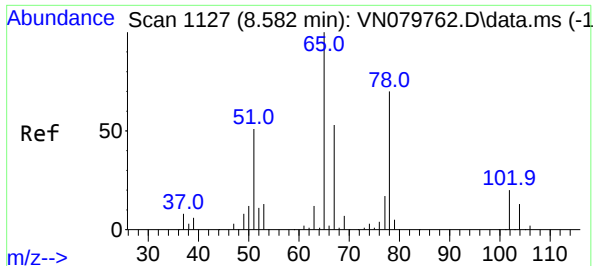
Tgt Ion:	84	Resp:	2461
Ion	Ratio	Lower	Upper
84	100		
49	79.9	79.7	119.5
51	0.0	25.2	37.8#
86	45.2	53.3	79.9#



#31
Cyclohexane
Concen: 1.059 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Tgt Ion:	56	Resp:	7094
Ion	Ratio	Lower	Upper
56	100		
69	137.0	26.8	40.2#
84	115.2	81.8	122.6

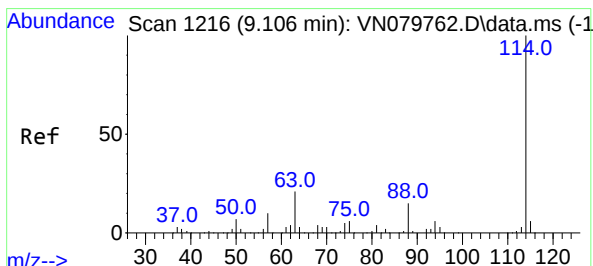
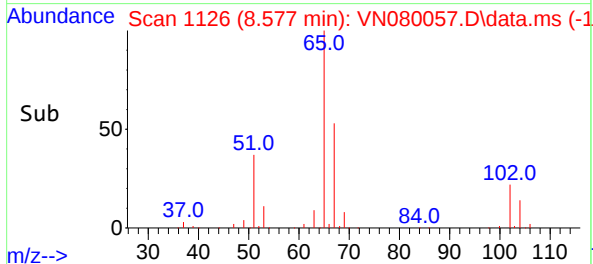
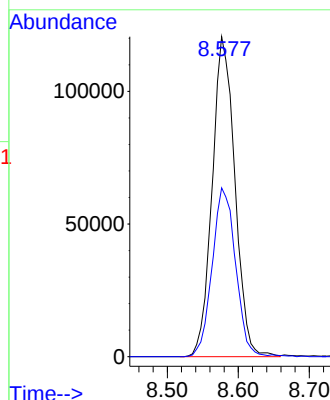
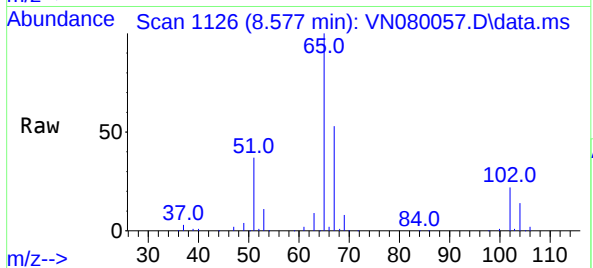




#33
1,2-Dichloroethane-d4
Concen: 52.804 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

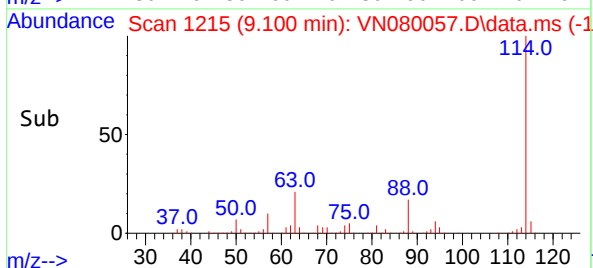
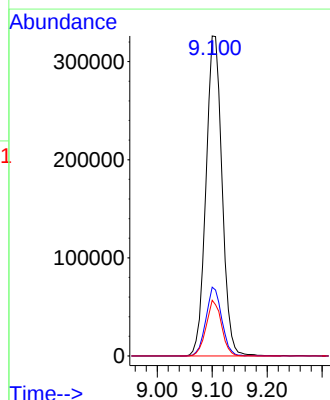
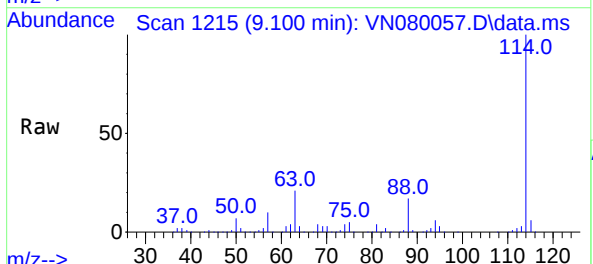
Instrument :
MSVOA_N
ClientSampleId :

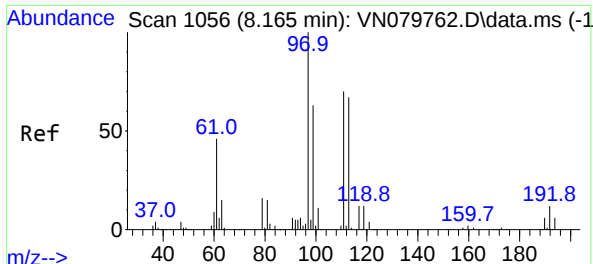
Tgt Ion: 65 Resp: 267563
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.006 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

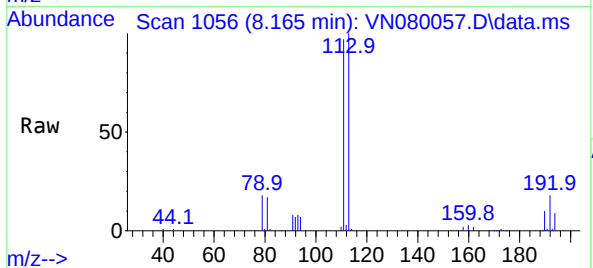
Tgt Ion:114 Resp: 662627
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.4
88 17.4 0.0 30.6



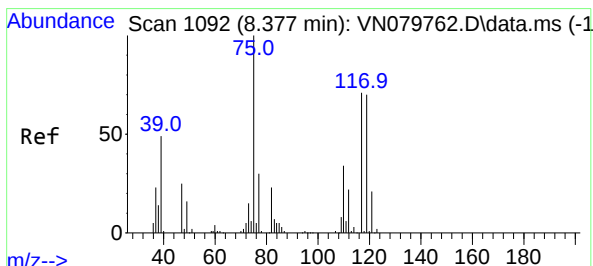
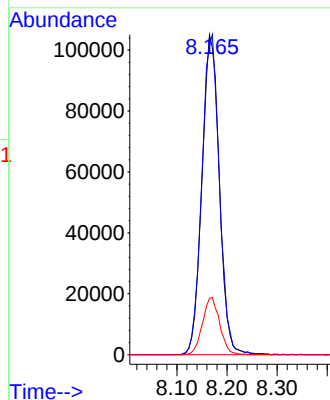
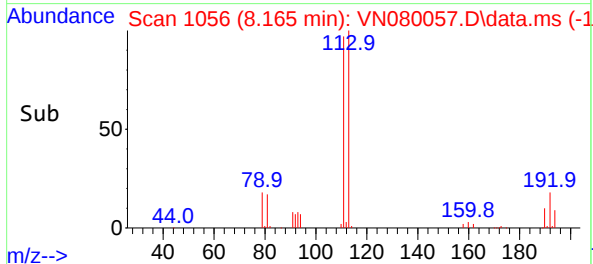


#35
Dibromofluoromethane
Concen: 53.886 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Instrument :
MSVOA_N
ClientSampleId :

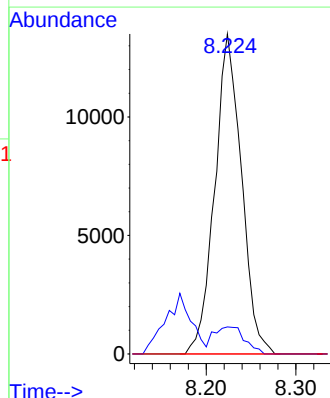
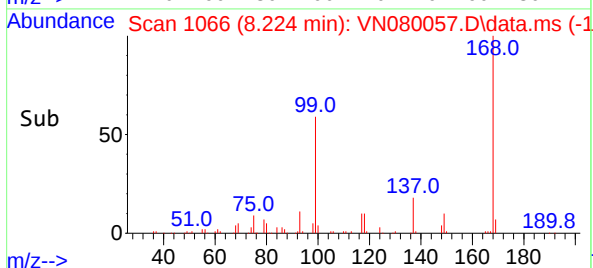
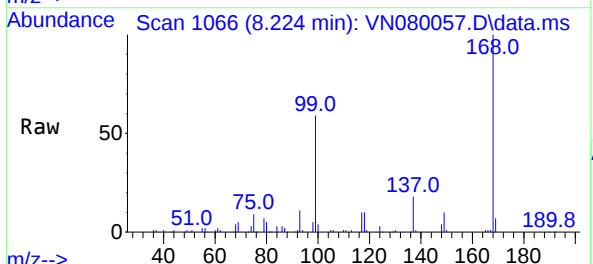


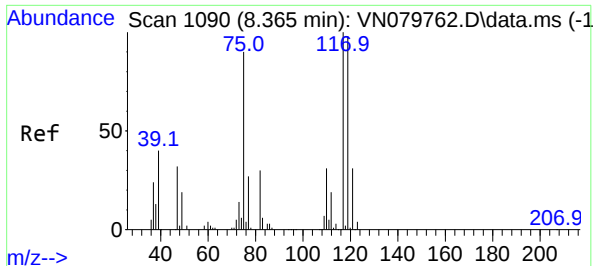
Tgt Ion:113 Resp: 252716
Ion Ratio Lower Upper
113 100
111 101.1 82.6 123.8
192 17.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.165 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

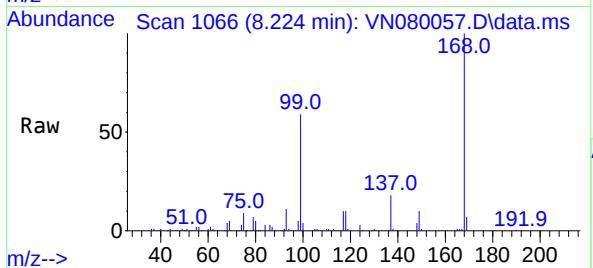
Tgt Ion: 75 Resp: 27893
Ion Ratio Lower Upper
75 100
110 9.9 19.1 57.3#
77 0.0 25.0 37.4#



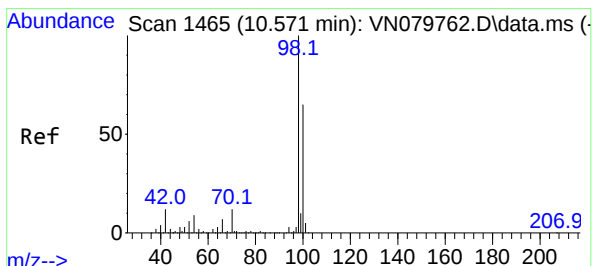
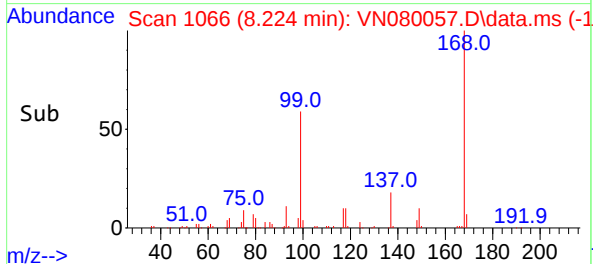
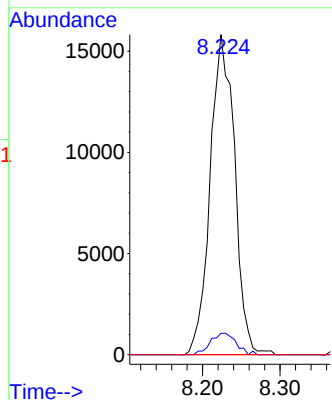


#38
Carbon Tetrachloride
Concen: 5.140 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Instrument :
MSVOA_N
ClientSampleId :

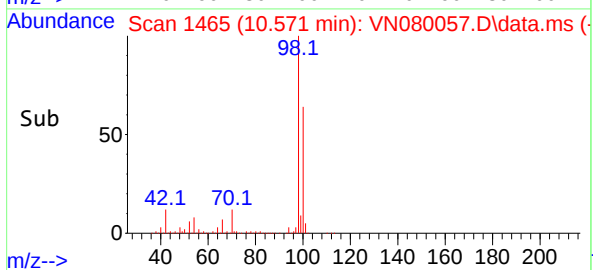
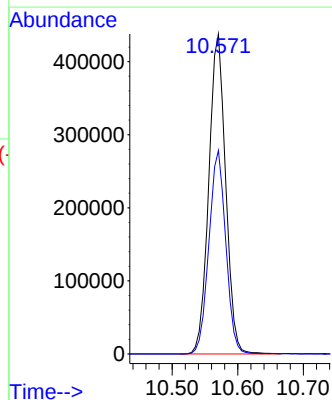
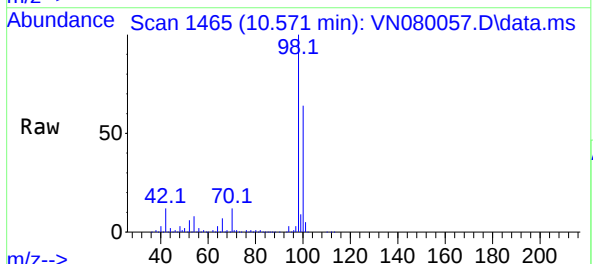


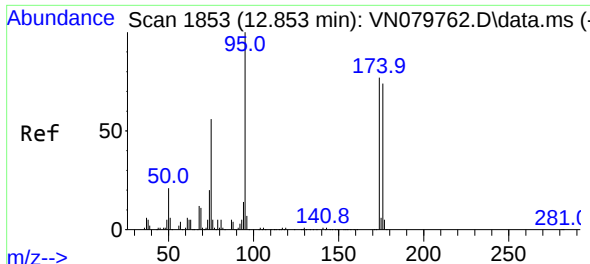
Tgt Ion:117 Resp: 34686
Ion Ratio Lower Upper
117 100
119 6.7 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 45.327 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Tgt Ion: 98 Resp: 782563
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0

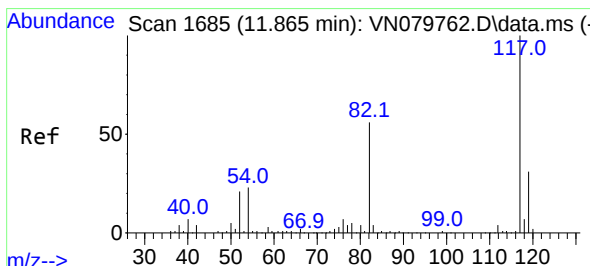
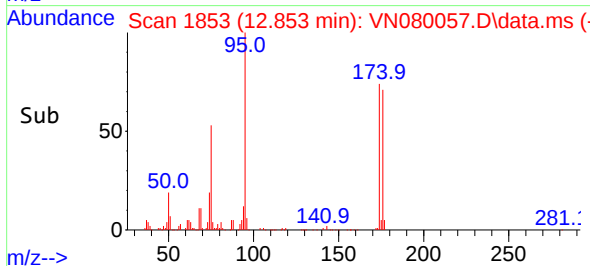
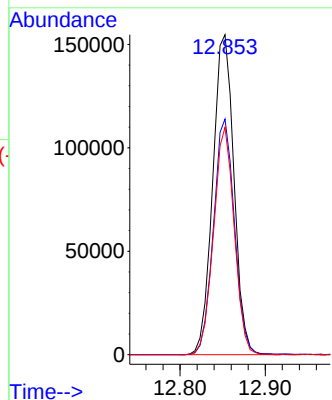
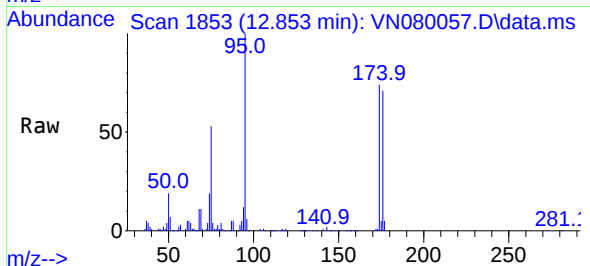




#62
4-Bromofluorobenzene
Concen: 46.580 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

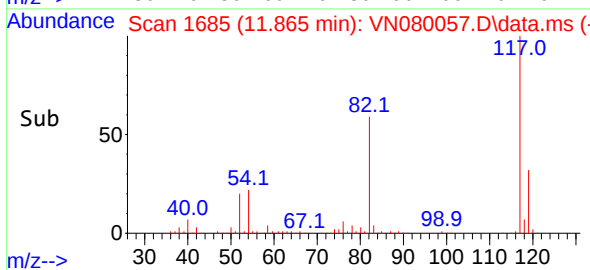
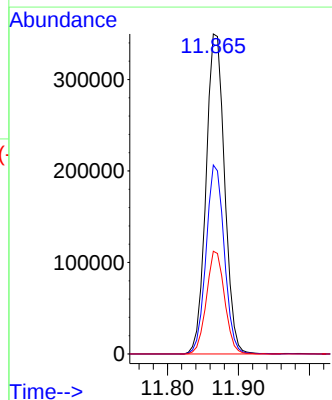
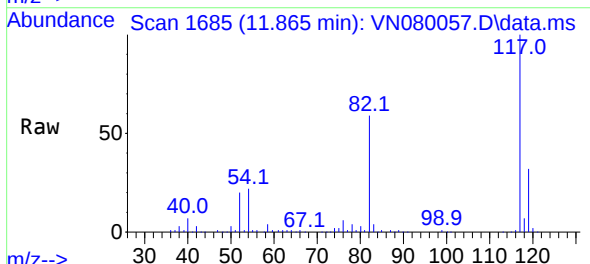
Instrument :
MSVOA_N
ClientSampleId :

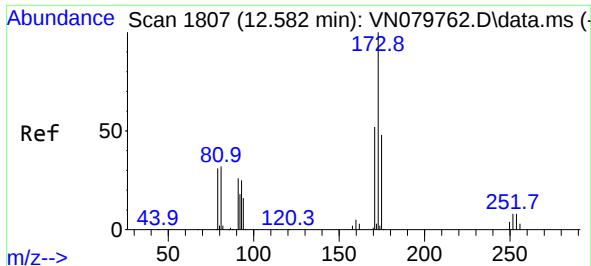
Tgt Ion: 95 Resp: 266715
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 69.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Tgt Ion: 117 Resp: 635814
Ion Ratio Lower Upper
117 100
82 59.1 44.0 66.0
119 32.1 25.6 38.4

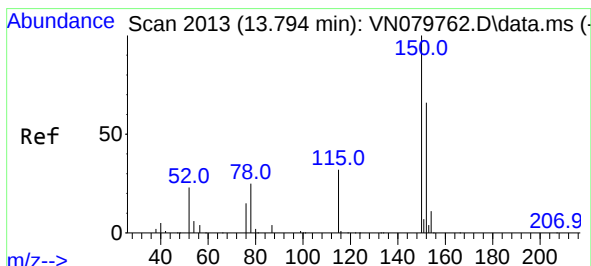
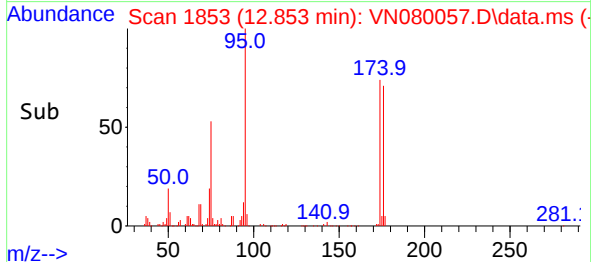
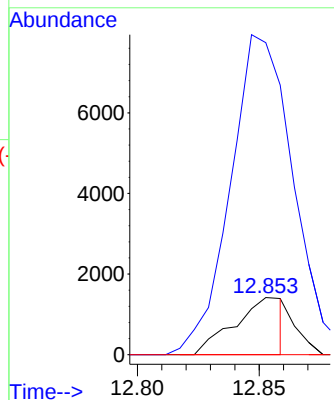
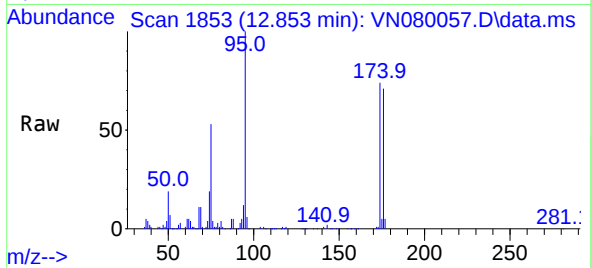




#71
Bromoform
Concen: 0.568 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

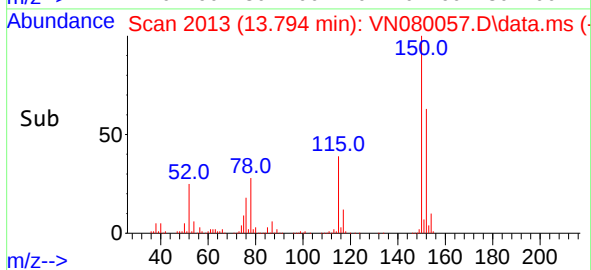
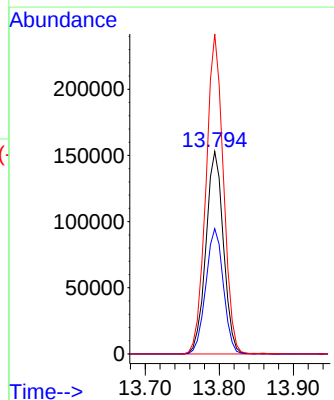
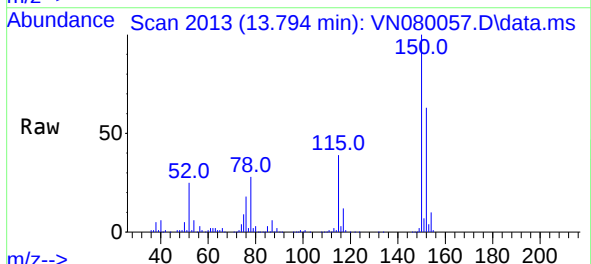
Instrument :
MSVOA_N
ClientSampleId :

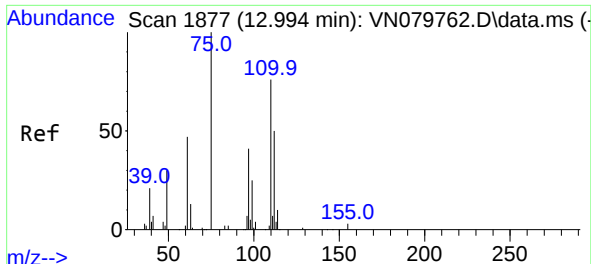
Tgt Ion:173 Resp: 2005
Ion Ratio Lower Upper
173 100
175 575.1 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Tgt Ion:152 Resp: 251367
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 157.0 0.0 355.8

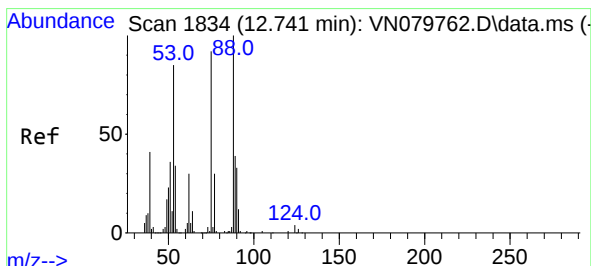
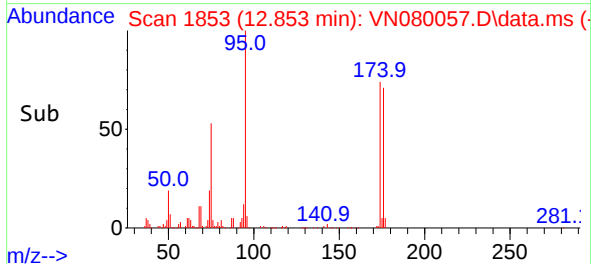
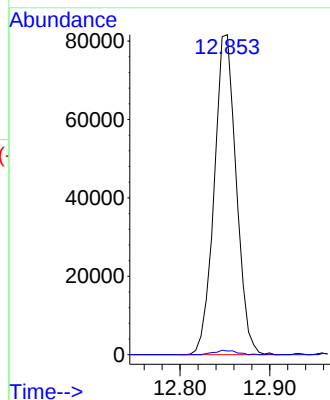
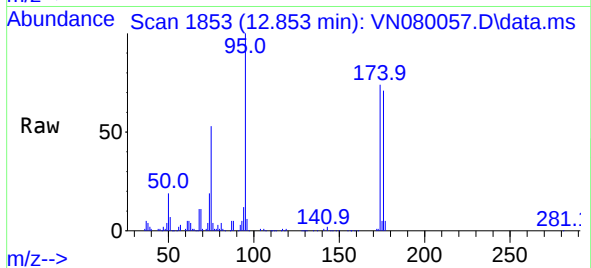




#76
1,2,3-Trichloropropane
Concen: 23.578 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

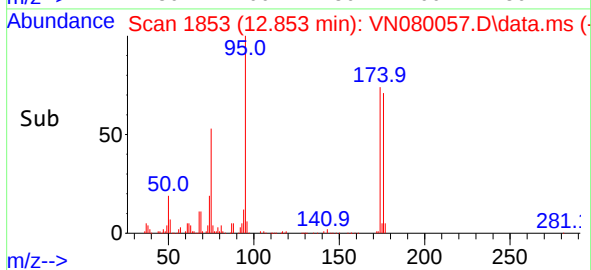
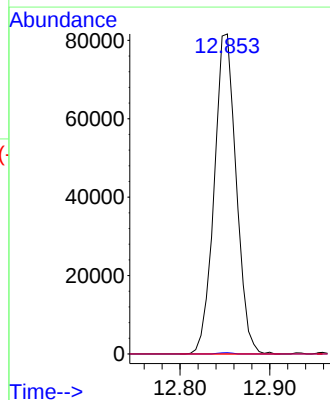
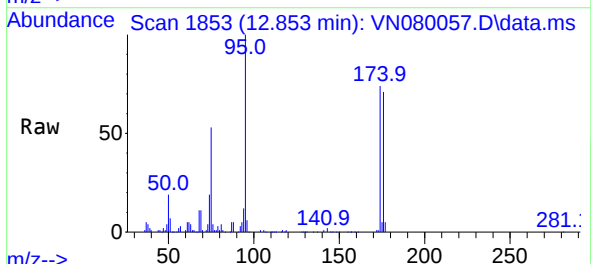
Instrument :
MSVOA_N
ClientSampleId :

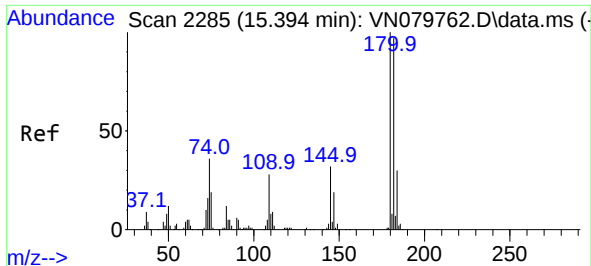
Tgt Ion: 75 Resp: 139145
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.151 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

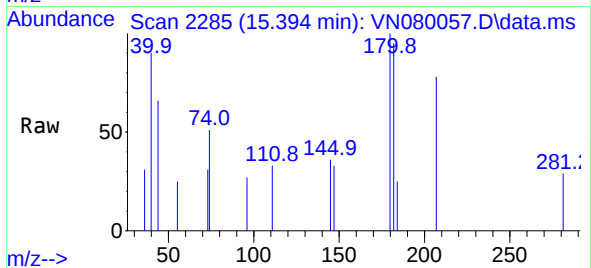
Tgt Ion: 75 Resp: 139145
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#



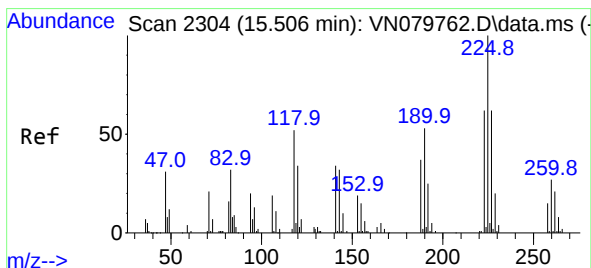
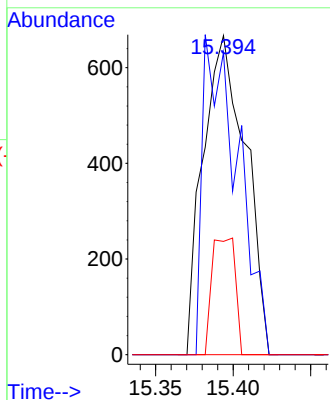
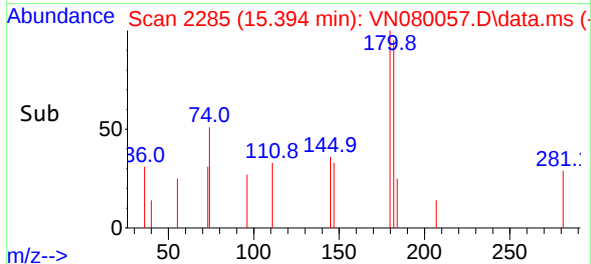


#93
1,2,4-Trichlorobenzene
Concen: 0.325 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

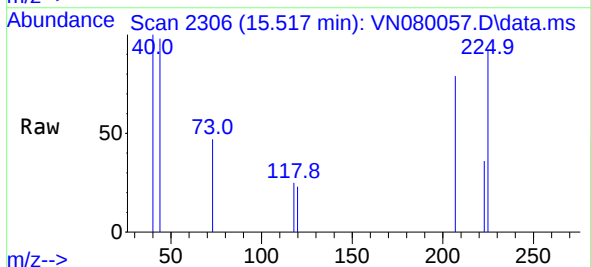
Instrument :
MSVOA_N
ClientSampleId :



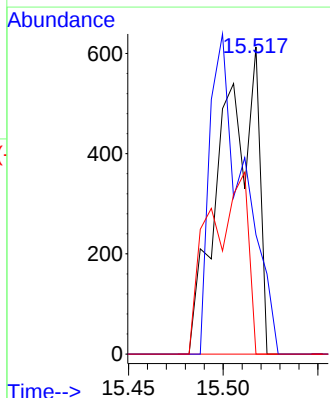
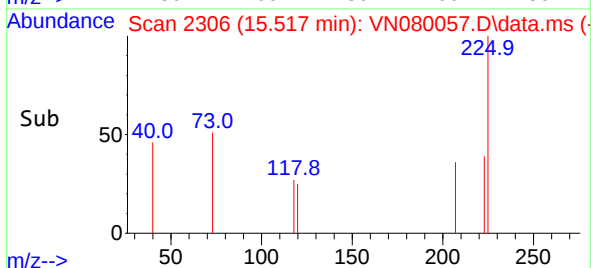
Tgt Ion:180 Resp: 1269
Ion Ratio Lower Upper
180 100
182 83.0 46.1 138.2
145 20.0 16.6 49.8

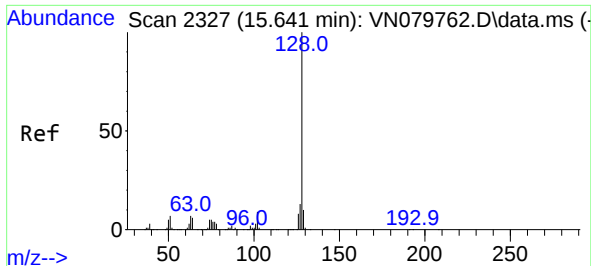


#94
Hexachlorobutadiene
Concen: 0.473 ug/l
RT: 15.517 min Scan# 2306
Delta R.T. 0.012 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31



Tgt Ion:225 Resp: 837
Ion Ratio Lower Upper
225 100
223 94.9 31.3 93.8#
227 60.2 31.9 95.9

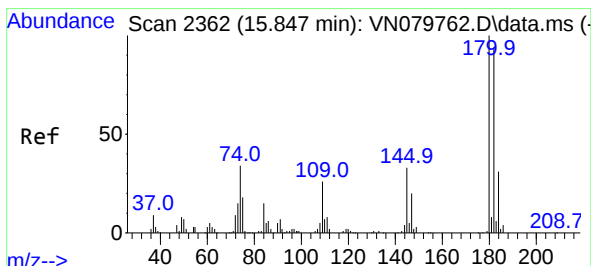
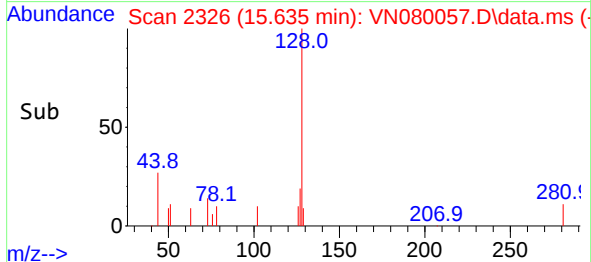
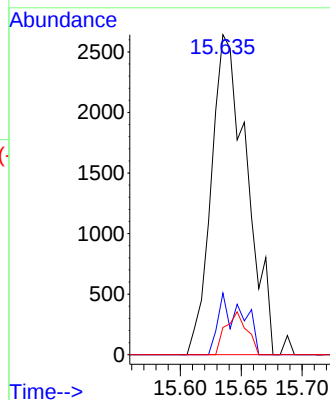
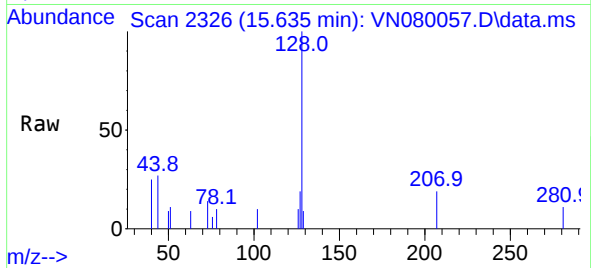




#95
Naphthalene
Concen: 0.403 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	128	127	129
Resp:	5335		
Ratio	100	6.1	8.1
Lower		10.0	8.7
Upper		15.0#	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.347 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN080057.D
Acq: 13 Nov 2023 11:31

Tgt Ion	180	182	145
Resp:	1328		
Ratio	100	112.3	39.0
Lower		46.2	17.5
Upper		138.6	52.6

