

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110923\
 Data File : VN080024.D
 Acq On : 09 Nov 2023 15:59
 Operator : JC\MD
 Sample : VN1109WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 00:33:42 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	8.230	168	293206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	597166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	633169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245703	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	254979	57.079	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.160%
35) Dibromofluoromethane	8.171	113	215132	50.901	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.800%
50) Toluene-d8	10.571	98	658843	42.344	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	84.680%#
62) 4-Bromofluorobenzene	12.853	95	256751	49.756	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.520%

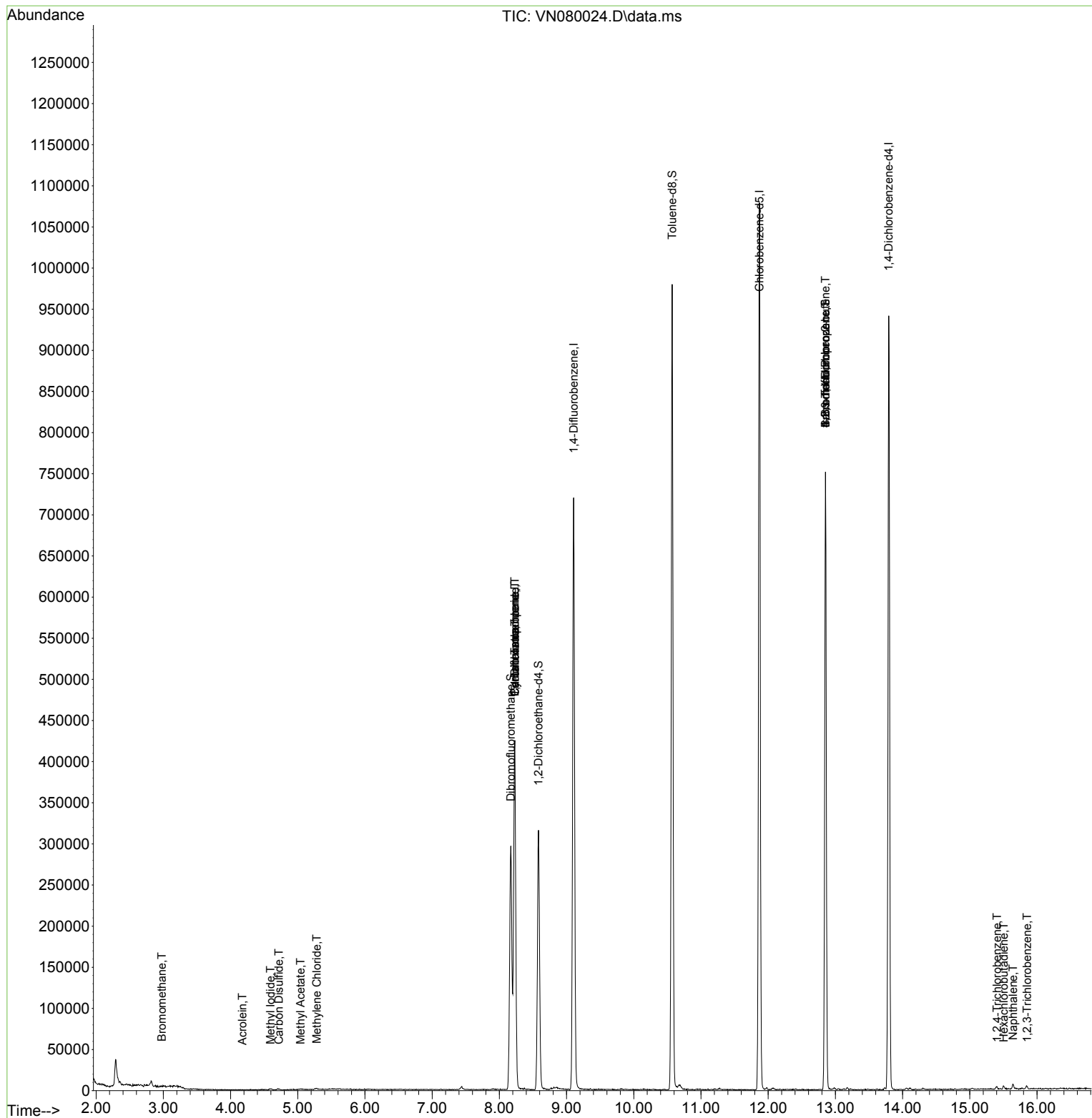
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.359	50	1468	Below Cal		99
5) Bromomethane	2.977	94	866	0.308	ug/l #	4
10) Methyl Iodide	4.595	142	2031	0.534	ug/l #	90
13) Acrolein	4.177	56	151	2.857	ug/l #	16
17) Carbon Disulfide	4.718	76	2682	0.295	ug/l #	75
18) Methyl Acetate	5.042	43	1791	0.239	ug/l #	53
20) Methylene Chloride	5.283	84	984	0.249	ug/l #	41
31) Cyclohexane	8.230	56	7429	1.259	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	26211	4.343	ug/l #	49
38) Carbon Tetrachloride	8.230	117	32395	5.326	ug/l #	18
71) Bromoform	12.853	173	1783	0.507	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	134883	23.383	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	134883	63.620	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.406	180	1147	0.301	ug/l	79
94) Hexachlorobutadiene	15.506	225	748	0.433	ug/l	88
95) Naphthalene	15.647	128	5800	0.449	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.853	180	1148	0.307	ug/l	76

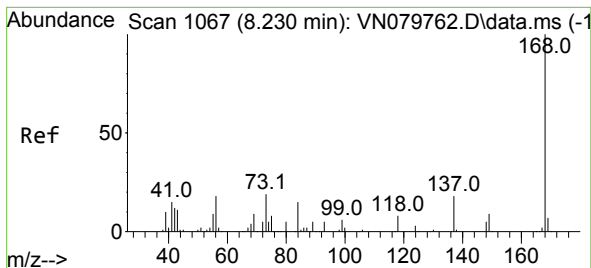
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. 0.001 min

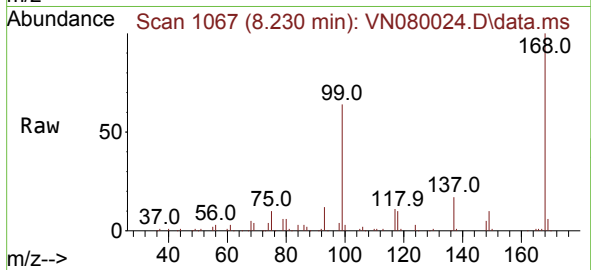
Lab File: VN080024.D

Acq: 09 Nov 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

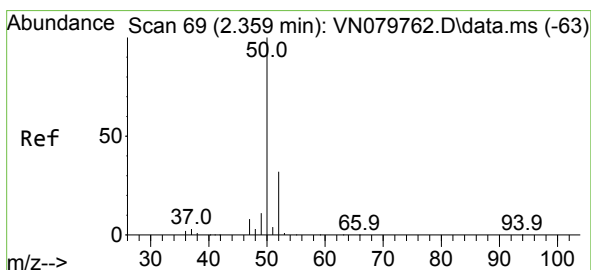
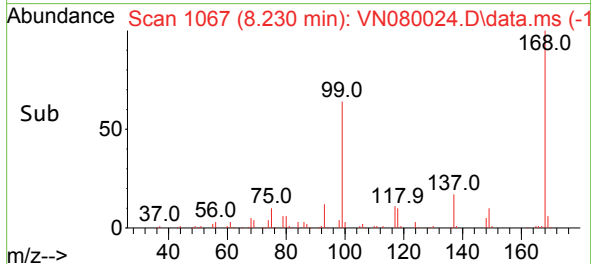
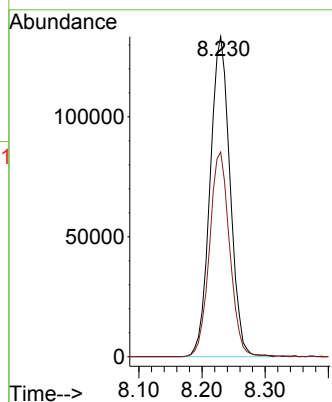


Tgt Ion:168 Resp: 293206

Ion Ratio Lower Upper

168 100

99 63.9 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080024.D

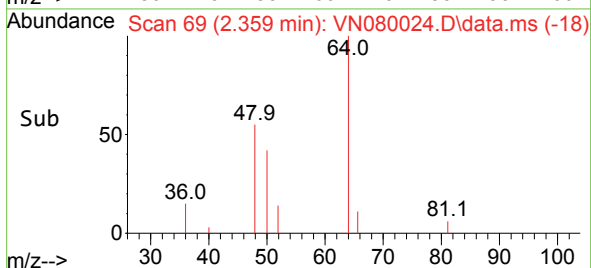
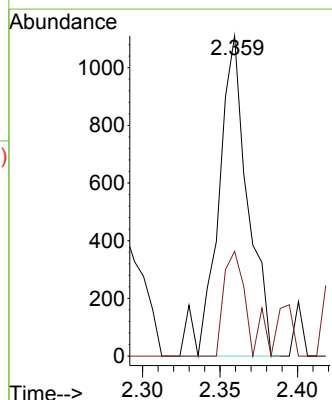
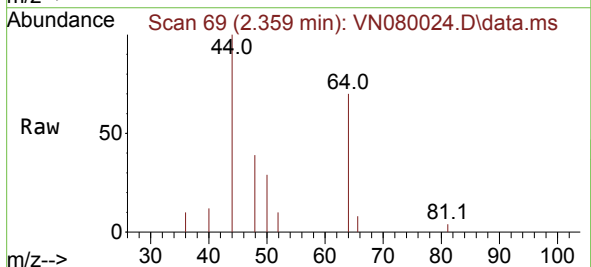
Acq: 09 Nov 2023 15:59

Tgt Ion: 50 Resp: 1468

Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7

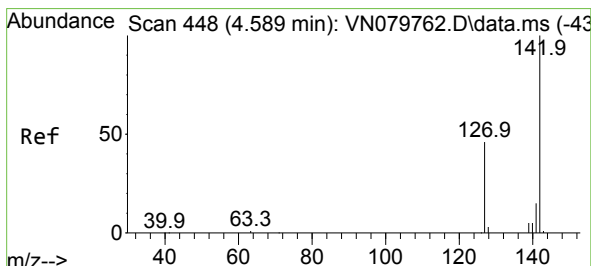
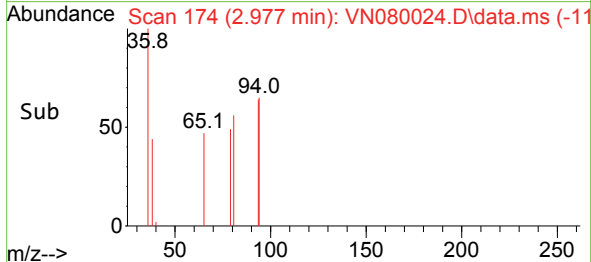
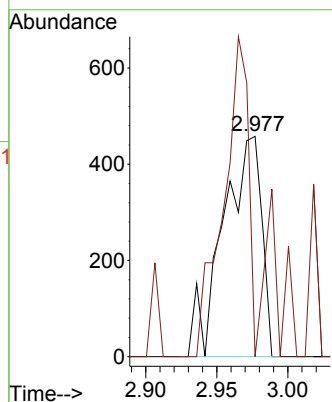
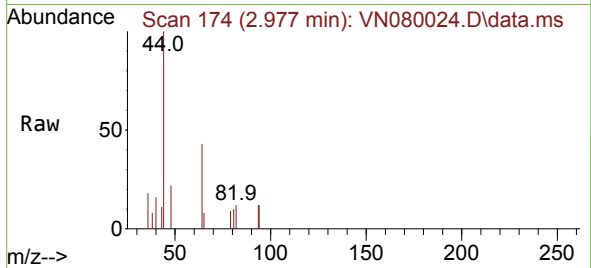




#5
Bromomethane
Concen: 0.308 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

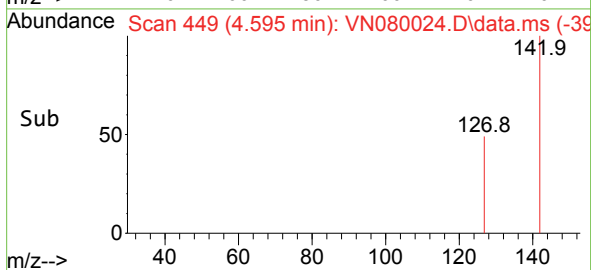
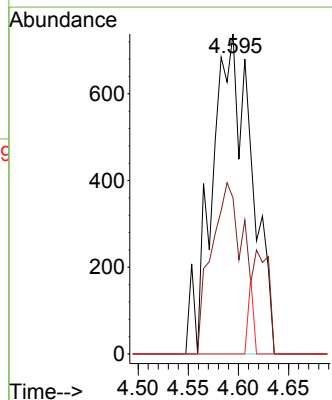
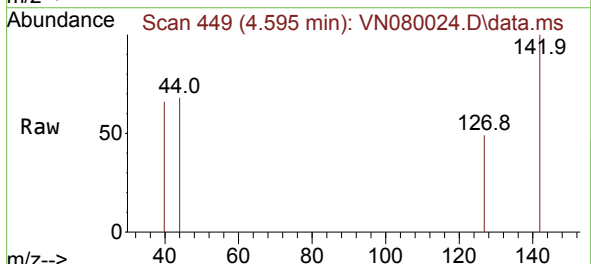
Instrument :
MSVOA_N
ClientSampleId :

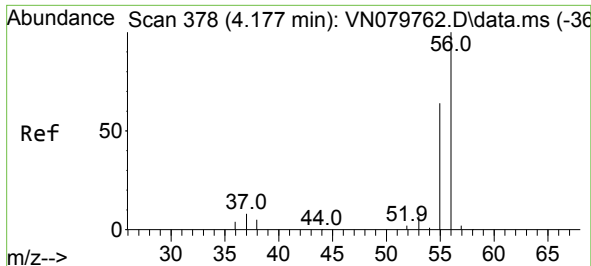
Tgt Ion: 94 Resp: 866
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#10
Methyl Iodide
Concen: 0.534 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

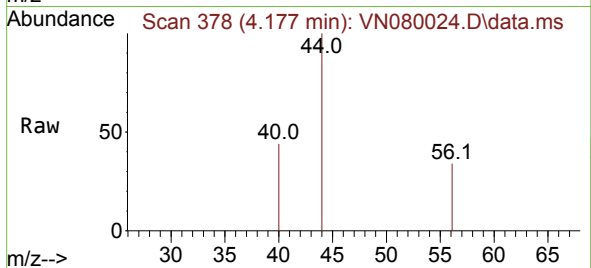
Tgt Ion:142 Resp: 2031
Ion Ratio Lower Upper
142 100
127 48.8 37.6 56.4
141 0.0 11.4 17.0#



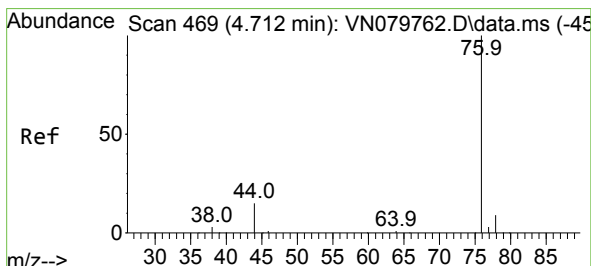
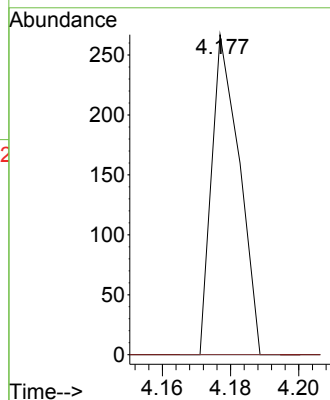
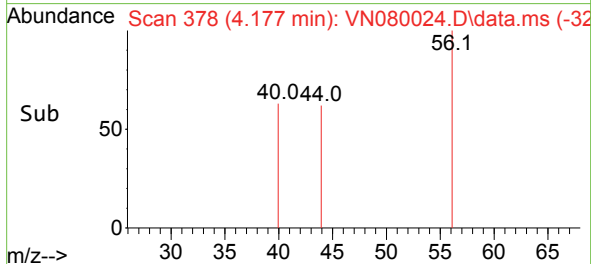


#13
Acrolein
Concen: 2.857 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

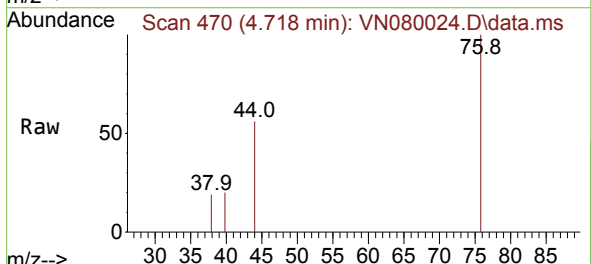
Instrument :
MSVOA_N
ClientSampleId :



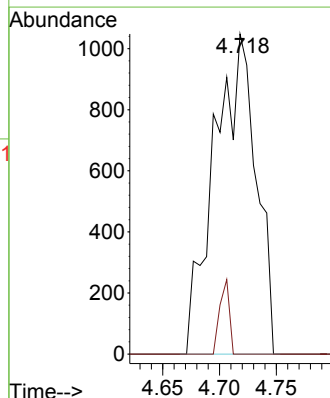
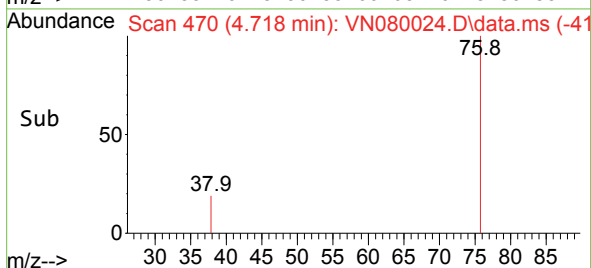
Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

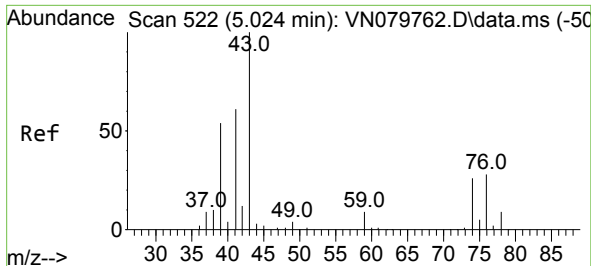


#17
Carbon Disulfide
Concen: 0.295 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59



Tgt Ion: 76 Resp: 2682
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

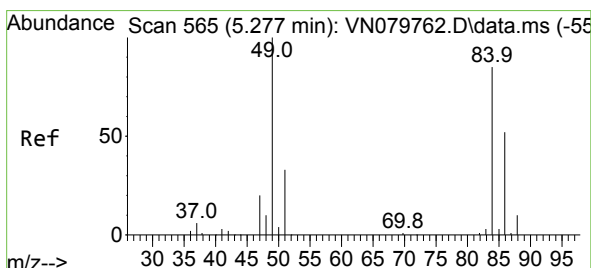
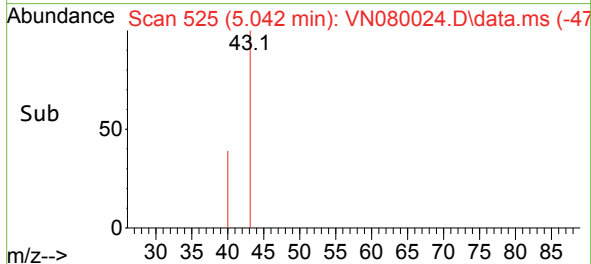
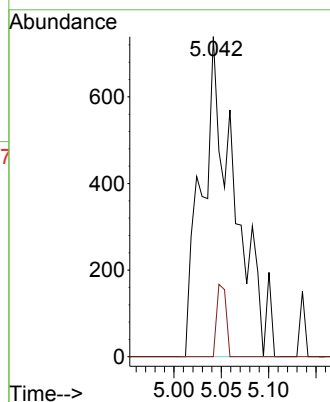
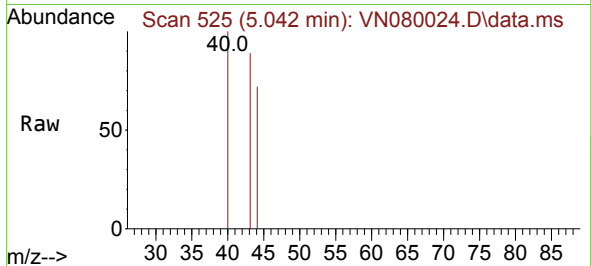




#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

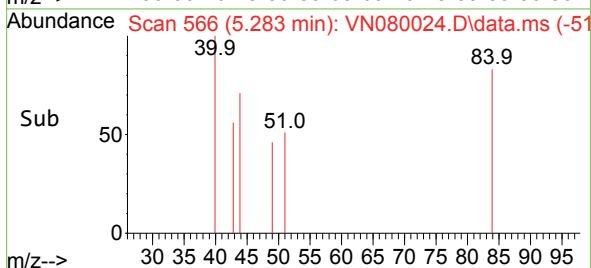
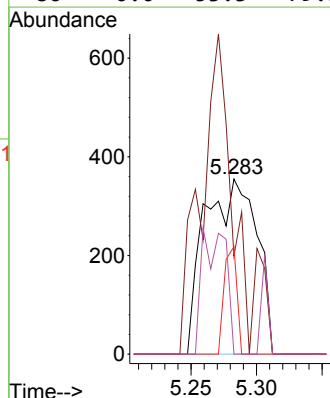
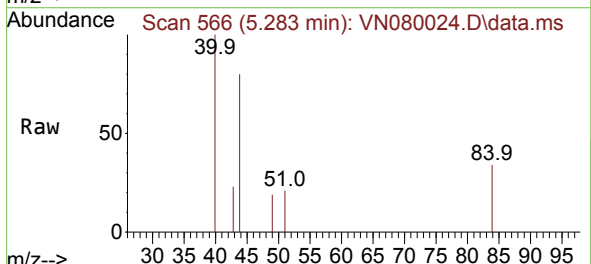
Instrument :
MSVOA_N
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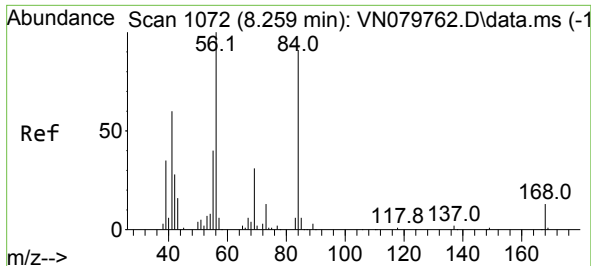
Tgt Ion: 43 Resp: 1791
Ion Ratio Lower Upper
43 100
74 6.4 26.2 39.4#



#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

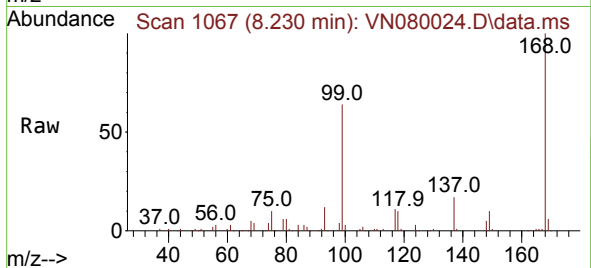
Tgt Ion: 84 Resp: 984
Ion Ratio Lower Upper
84 100
49 56.1 79.7 119.5#
51 61.4 25.2 37.8#
86 0.0 53.3 79.9#



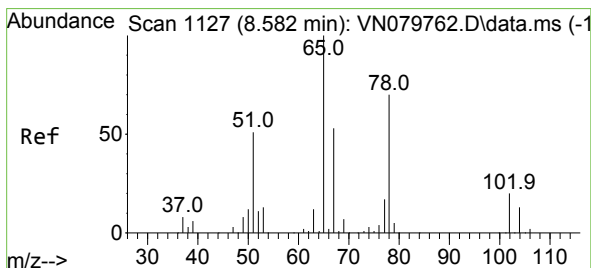
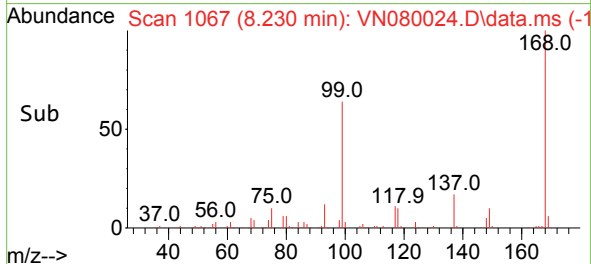
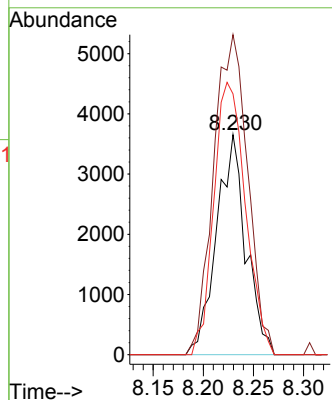


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :

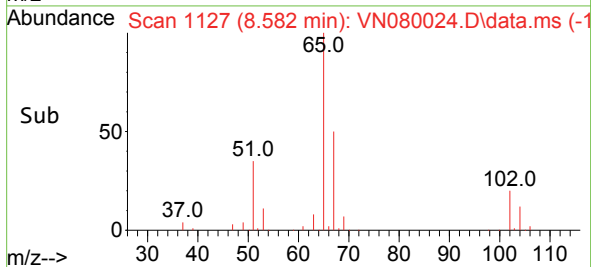
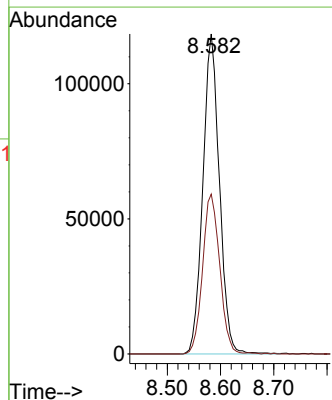
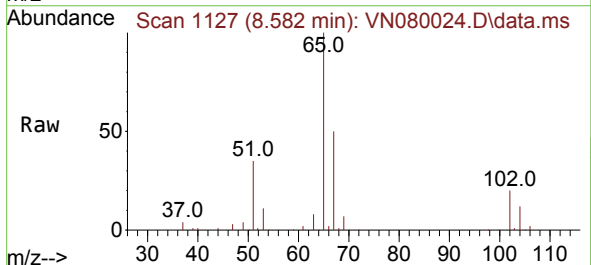


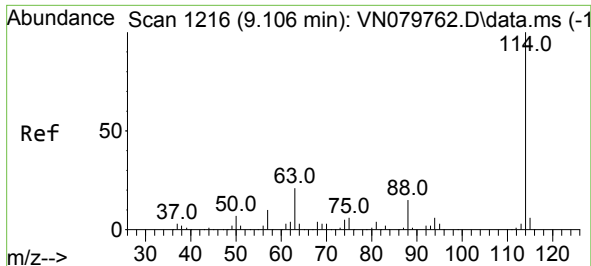
Tgt Ion: 56 Resp: 7429
Ion Ratio Lower Upper
56 100
69 145.5 26.8 40.2#
84 118.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 57.079 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

Tgt Ion: 65 Resp: 254979
Ion Ratio Lower Upper
65 100
67 51.7 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: VN080024.D

Acq: 09 Nov 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

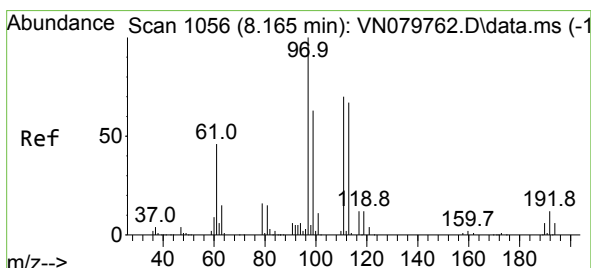
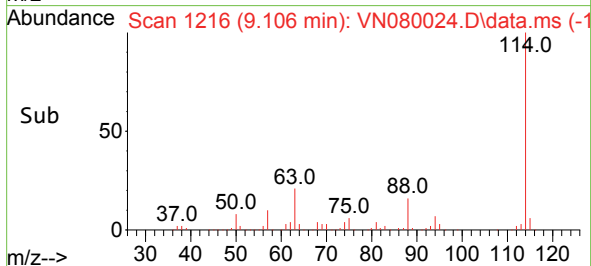
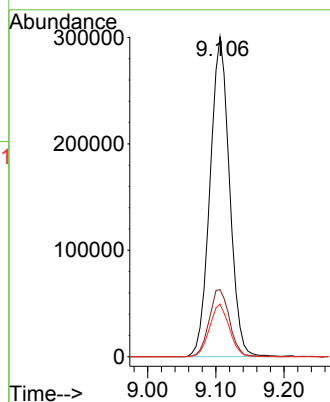
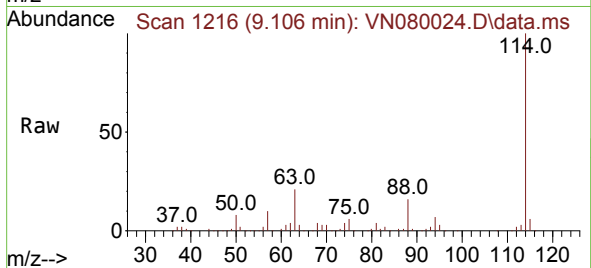
Tgt Ion:114 Resp: 597166

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 16.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.901 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN080024.D

Acq: 09 Nov 2023 15:59

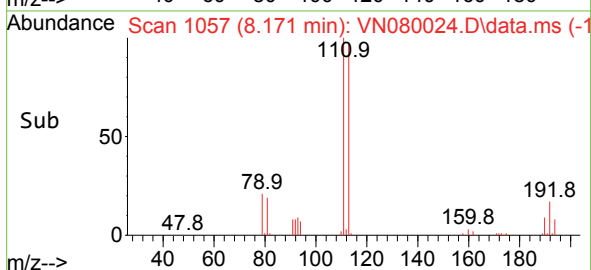
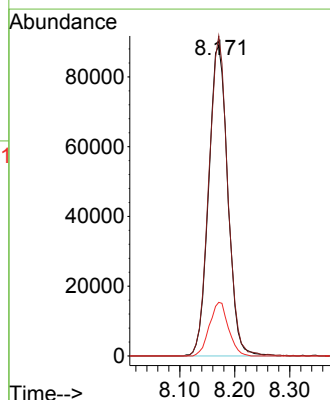
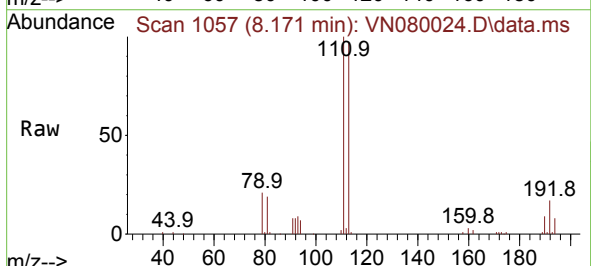
Tgt Ion:113 Resp: 215132

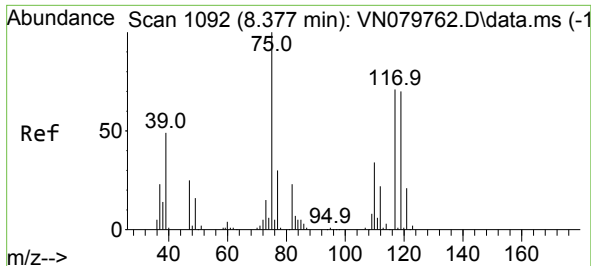
Ion Ratio Lower Upper

113 100

111 101.3 82.6 123.8

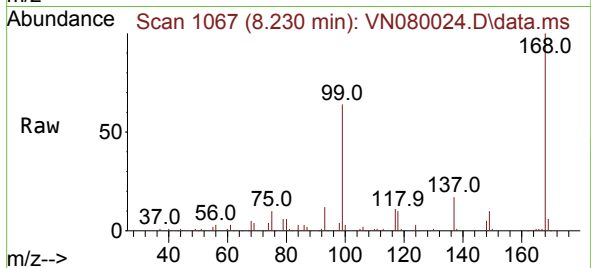
192 17.2 12.7 19.1



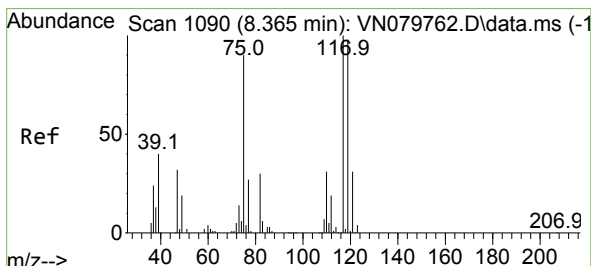
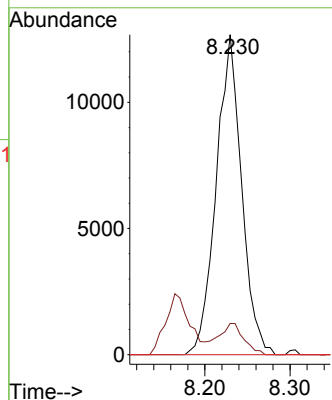
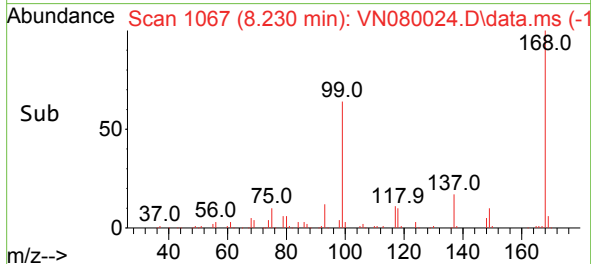


#36
1,1-Dichloropropene
Concen: 4.343 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

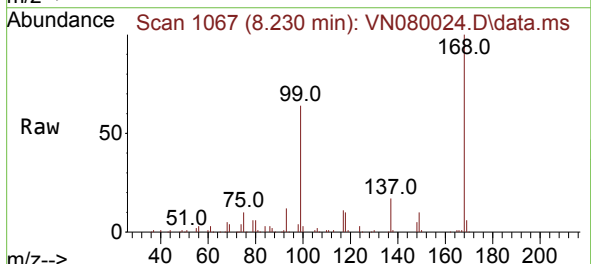
Instrument :
MSVOA_N
ClientSampleId :



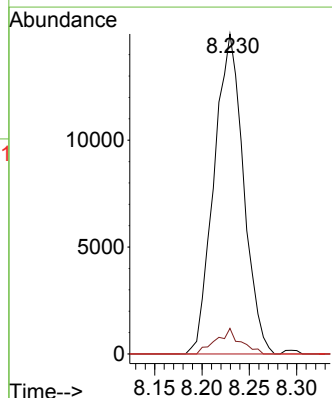
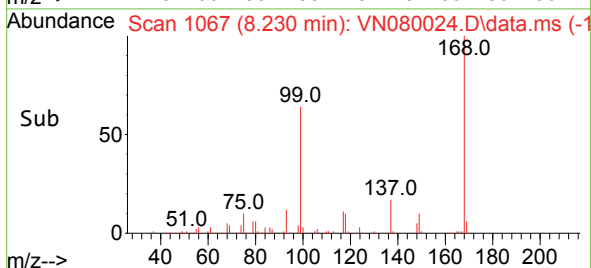
Tgt Ion: 75 Resp: 26211
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.3#
77 0.0 25.0 37.4#

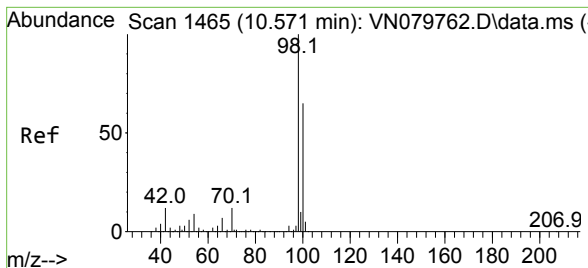


#38
Carbon Tetrachloride
Concen: 5.326 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59



Tgt Ion: 117 Resp: 32395
Ion Ratio Lower Upper
117 100
119 8.0 77.3 115.9#
121 0.0 23.3 34.9#

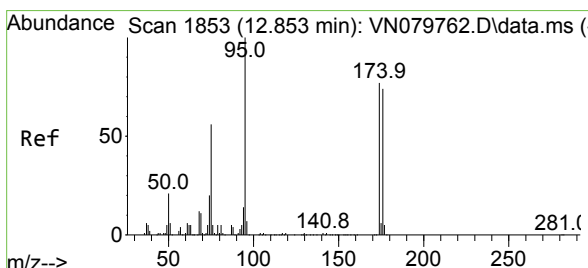
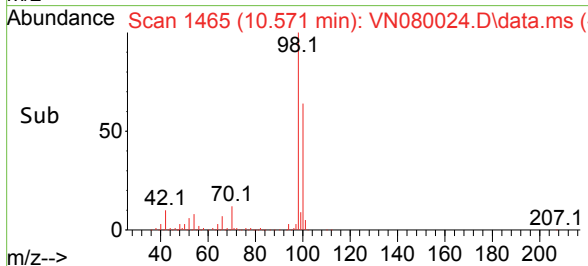
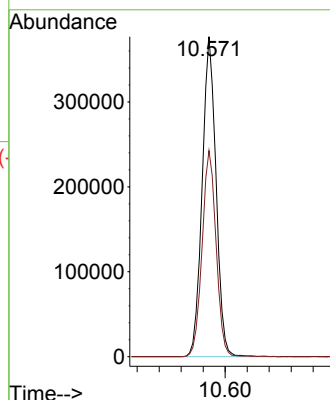
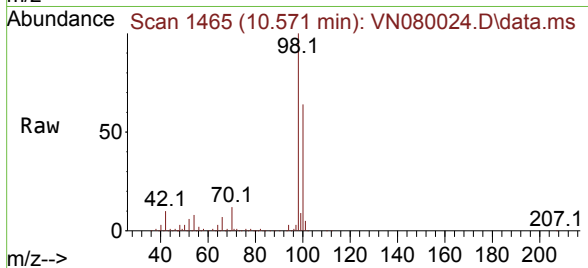




#50
Toluene-d8
Concen: 42.344 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

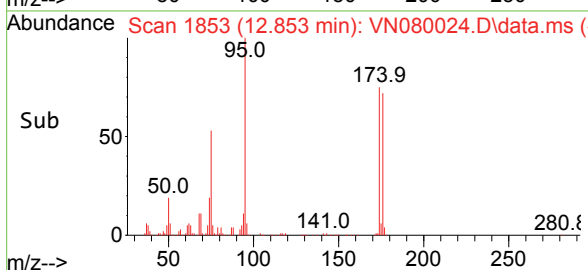
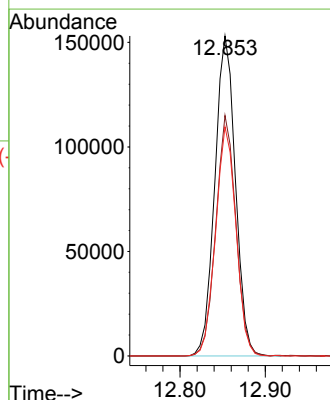
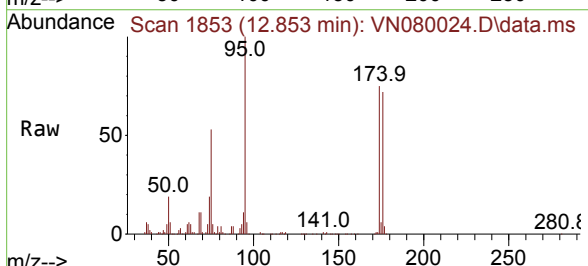
Instrument :
MSVOA_N
ClientSampleId :

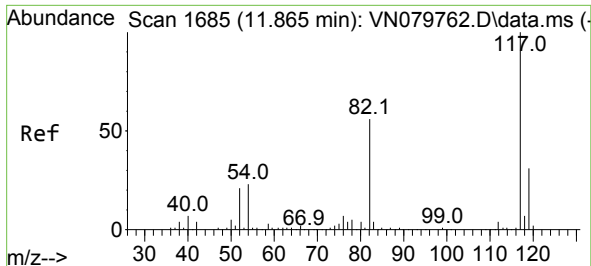
Tgt Ion: 98 Resp: 658843
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.756 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

Tgt Ion: 95 Resp: 256751
Ion Ratio Lower Upper
95 100
174 73.3 0.0 143.8
176 70.9 0.0 135.8

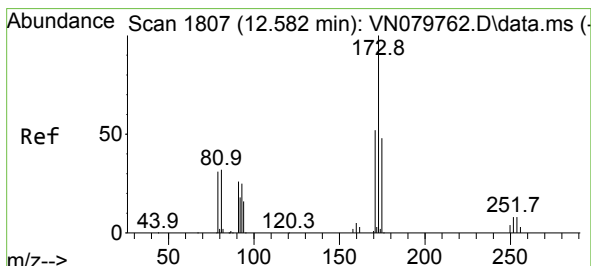
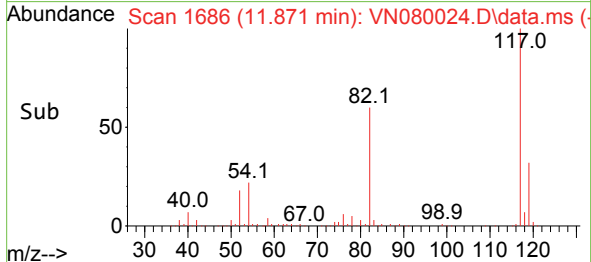
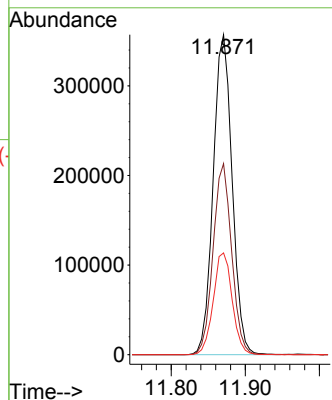
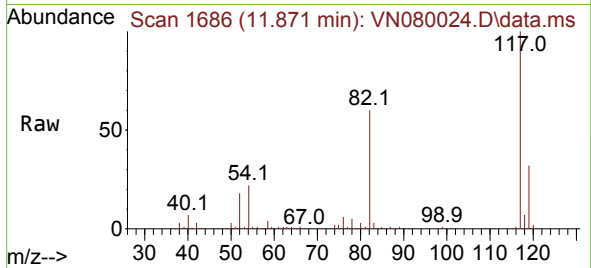




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

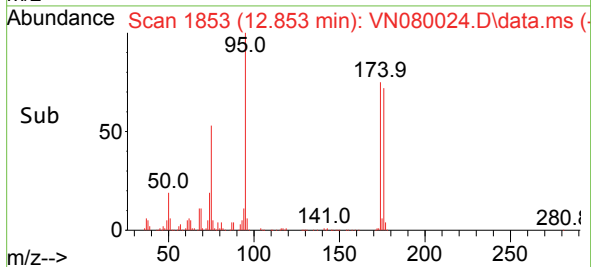
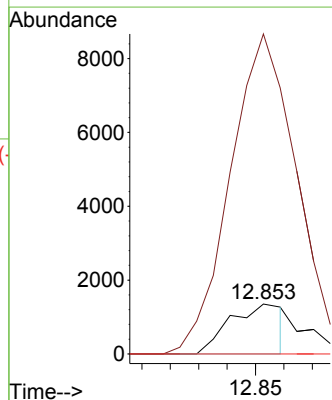
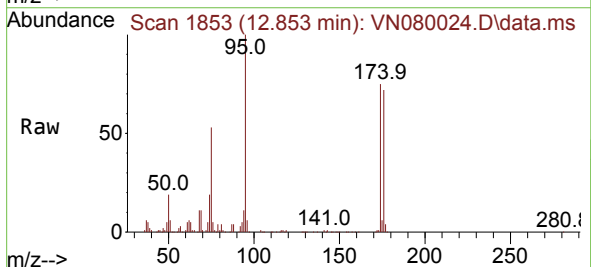
Instrument :
MSVOA_N
ClientSampleId :

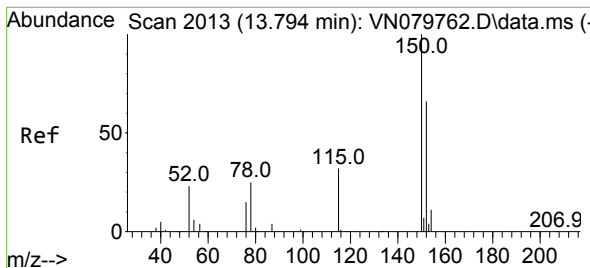
Tgt Ion:117 Resp: 633169
Ion Ratio Lower Upper
117 100
82 59.7 44.0 66.0
119 31.8 25.6 38.4



#71
Bromoform
Concen: 0.507 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

Tgt Ion:173 Resp: 1783
Ion Ratio Lower Upper
173 100
175 619.0 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# 20

Delta R.T. 0.000 min

Lab File: VN080024.D

Acq: 09 Nov 2023 15:59

Instrument :

MSVOA_N

ClientSampleId :

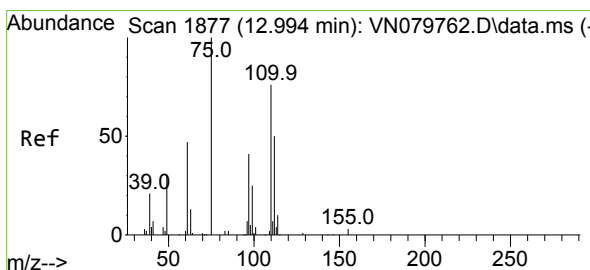
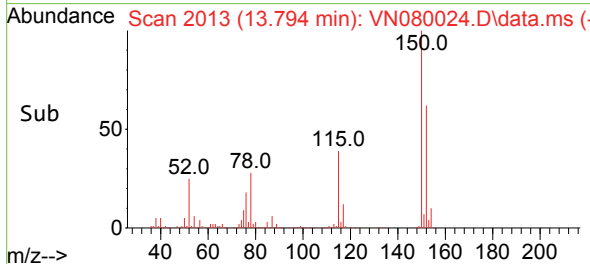
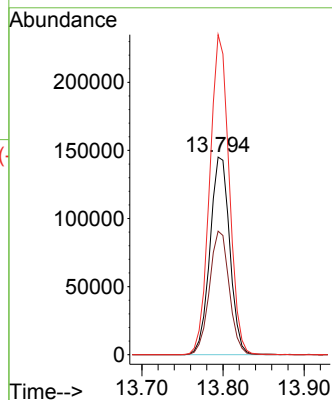
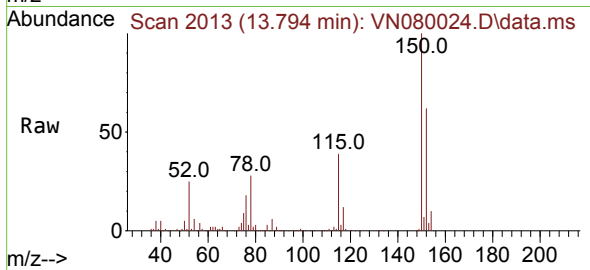
Tgt Ion:152 Resp: 245703

Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 159.0 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 23.383 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080024.D

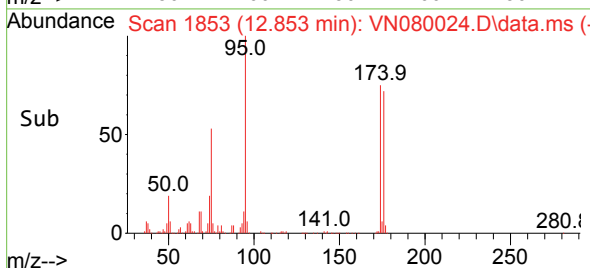
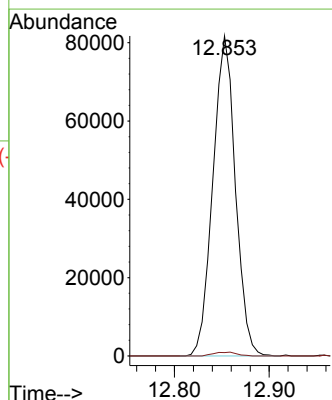
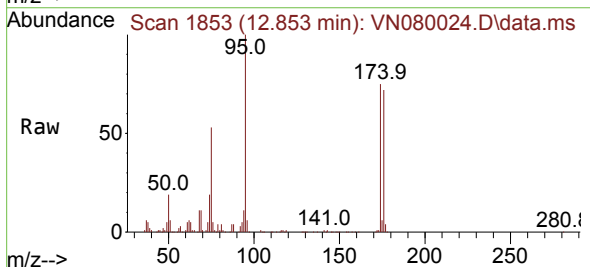
Acq: 09 Nov 2023 15:59

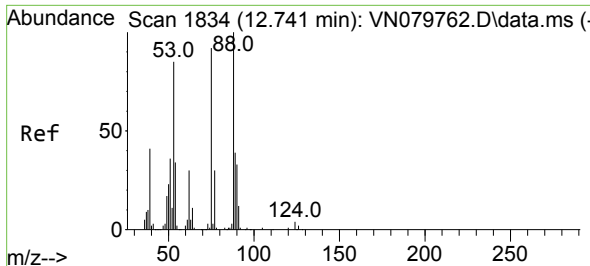
Tgt Ion: 75 Resp: 134883

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

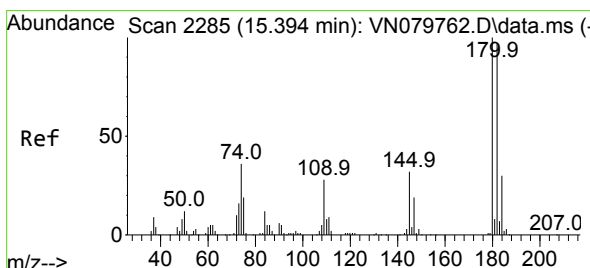
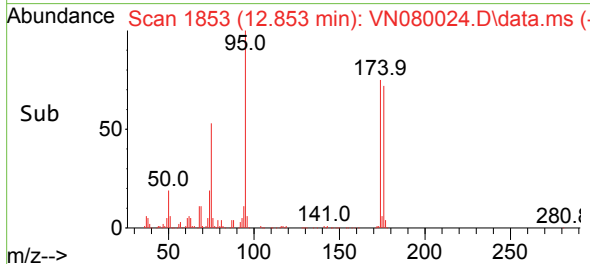
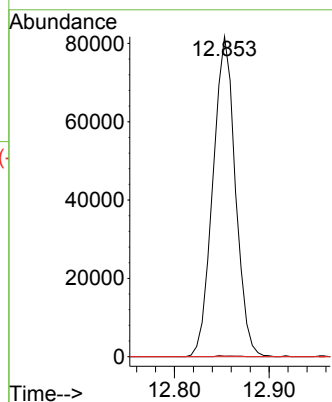
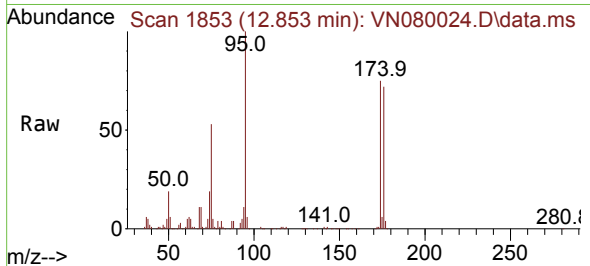




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.620 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.118 min
 Lab File: VN080024.D
 Acq: 09 Nov 2023 15:59

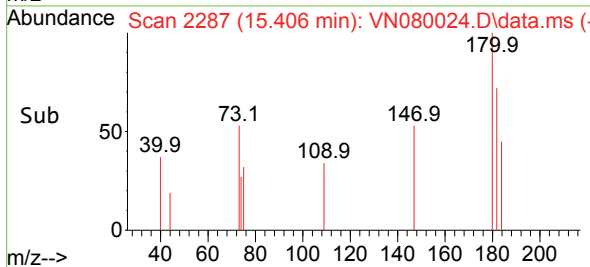
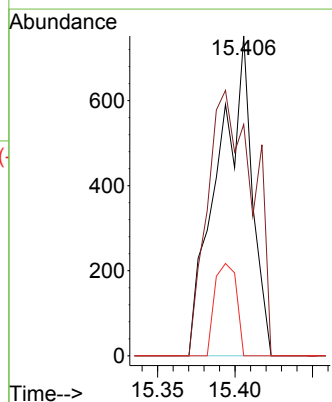
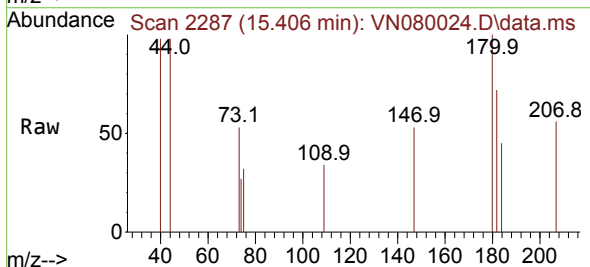
Instrument :
 MSVOA_N
 ClientSampleId :

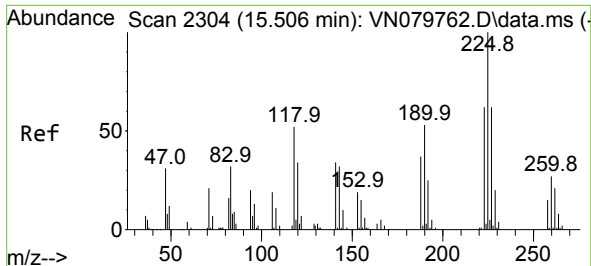
Tgt Ion: 75 Resp: 134883
 Ion Ratio Lower Upper
 75 100
 53 0.3 67.4 101.2#
 89 0.0 38.8 58.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.301 ug/l
 RT: 15.406 min Scan# 2287
 Delta R.T. 0.012 min
 Lab File: VN080024.D
 Acq: 09 Nov 2023 15:59

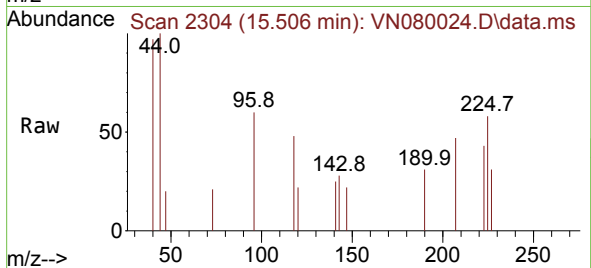
Tgt Ion:180 Resp: 1147
 Ion Ratio Lower Upper
 180 100
 182 110.7 46.1 138.2
 145 18.4 16.6 49.8



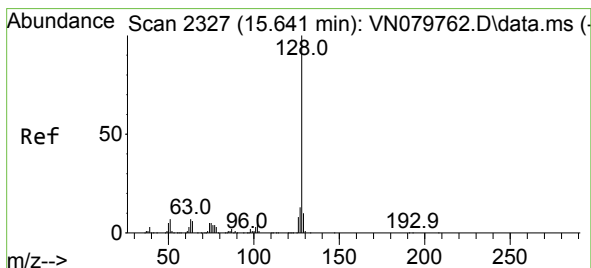
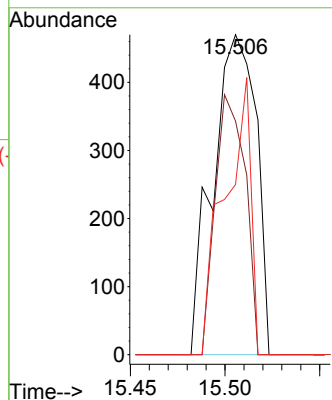
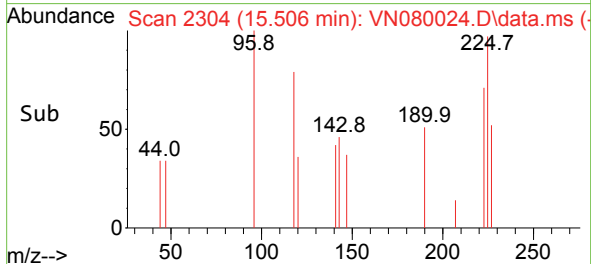


#94
Hexachlorobutadiene
Concen: 0.433 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

Instrument :
MSVOA_N
ClientSampleId :

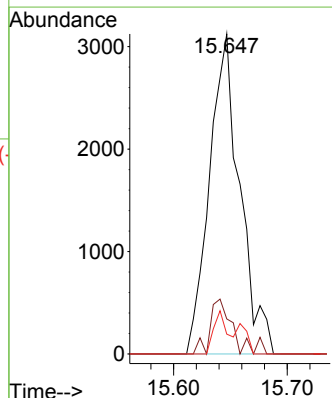
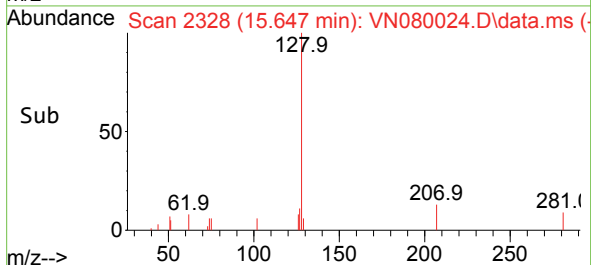
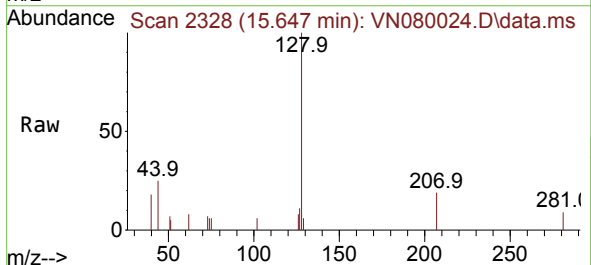


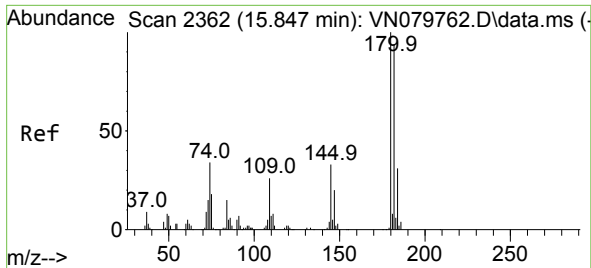
Tgt Ion:225 Resp: 748
Ion Ratio Lower Upper
225 100
223 56.1 31.3 93.8
227 52.1 31.9 95.9



#95
Naphthalene
Concen: 0.449 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080024.D
Acq: 09 Nov 2023 15:59

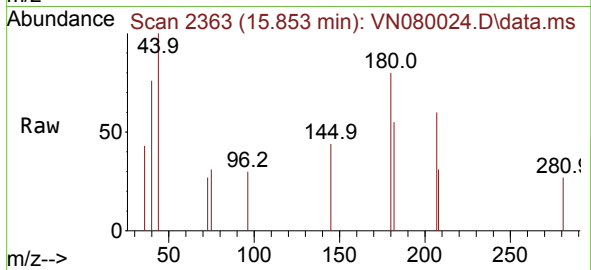
Tgt Ion:128 Resp: 5800
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 6.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.307 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN080024.D
 Acq: 09 Nov 2023 15:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1148
Ion	Ratio	Lower	Upper
180	100		
182	122.5	46.2	138.6
145	36.8	17.5	52.6

