

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
 Data File : VN080138.D
 Acq On : 16 Nov 2023 17:10
 Operator : JC\MD
 Sample : VN1116WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 01:24:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

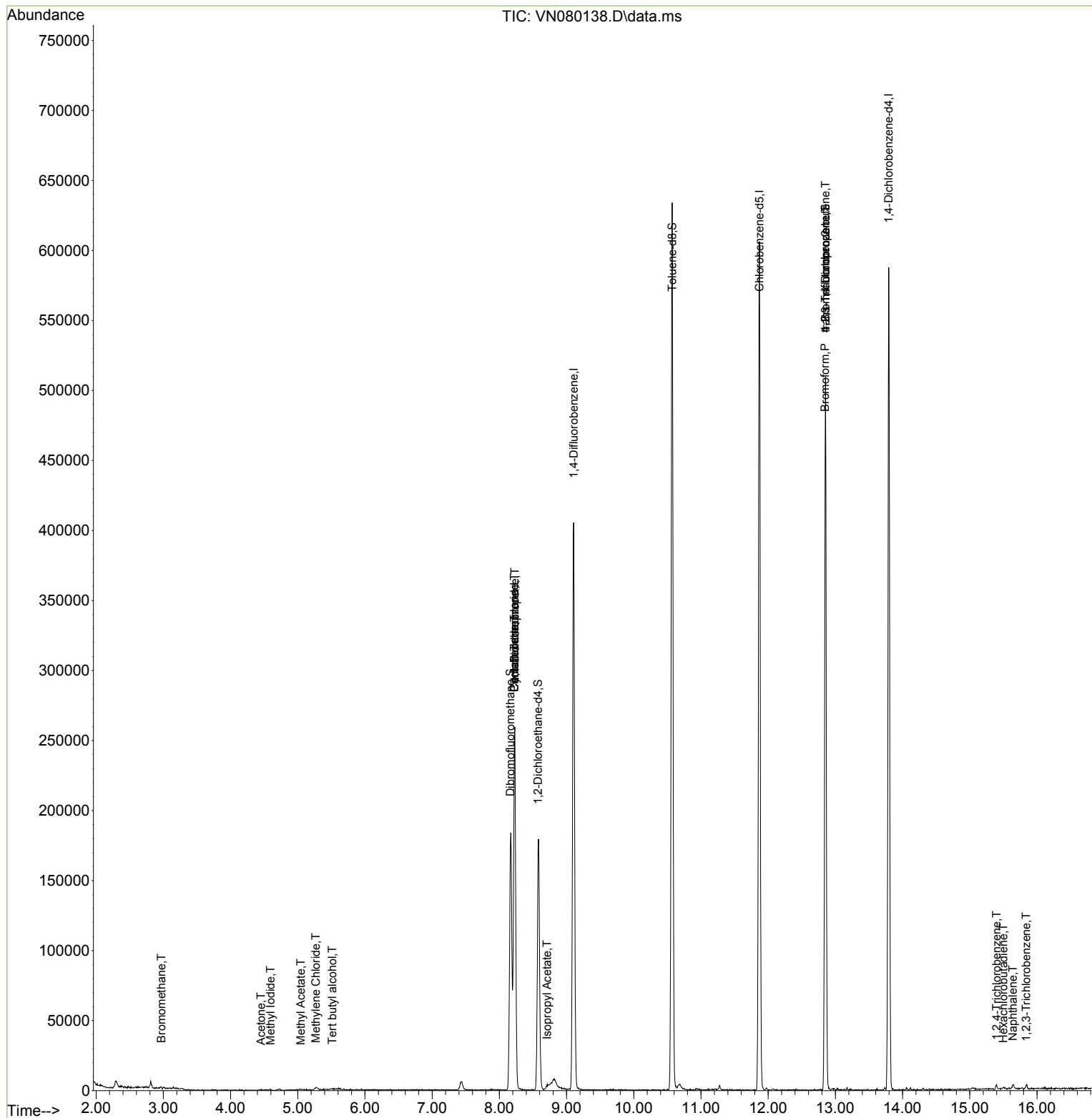
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	335144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	353003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161352	55.220	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.440%	
35) Dibromofluoromethane	8.165	113	128146	51.820	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.640%	
50) Toluene-d8	10.571	98	441286	49.503	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.000%	
62) 4-Bromofluorobenzene	12.853	95	173803	51.618	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.240%	
Target Compounds						Qvalue
5) Bromomethane	2.971	94	418	0.294	ug/l #	38
6) Chloroethane	3.118	64	515	Below Cal	#	43
10) Methyl Iodide	4.595	142	603	0.279	ug/l #	38
11) Tert butyl alcohol	5.512	59	164	0.510	ug/l #	72
16) Acetone	4.453	43	203	0.207	ug/l #	40
18) Methyl Acetate	5.047	43	987	0.313	ug/l #	42
20) Methylene Chloride	5.271	84	1053	0.512	ug/l #	79
31) Cyclohexane	8.224	56	4165	1.311	ug/l #	12
36) 1,1-Dichloropropene	8.230	75	15442	4.313	ug/l #	48
38) Carbon Tetrachloride	8.224	117	20086	4.421	ug/l #	18
43) Isopropyl Acetate	8.712	43	1988	0.411	ug/l #	49
71) Bromoform	12.847	173	866	0.376	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	94078	24.745	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	94078	83.605	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	1052	0.345	ug/l	63
94) Hexachlorobutadiene	15.500	225	734	0.418	ug/l #	59
95) Naphthalene	15.641	128	4202	0.475	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.841	180	1171	0.410	ug/l #	84

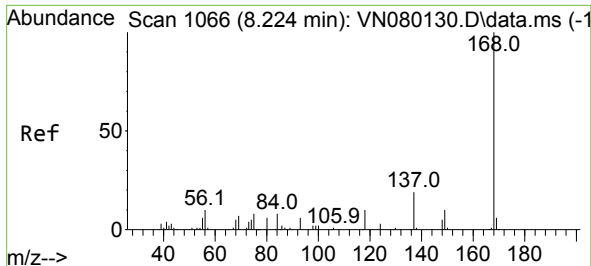
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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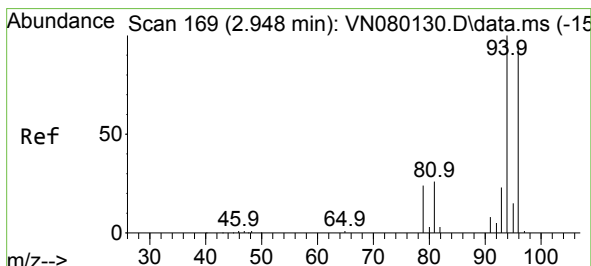
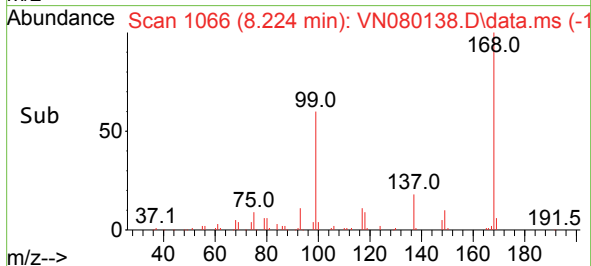
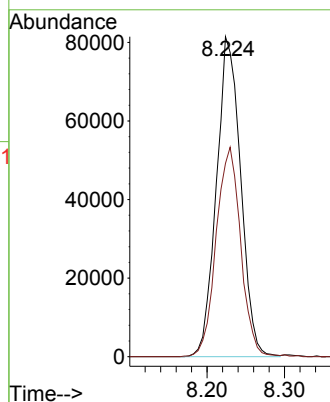
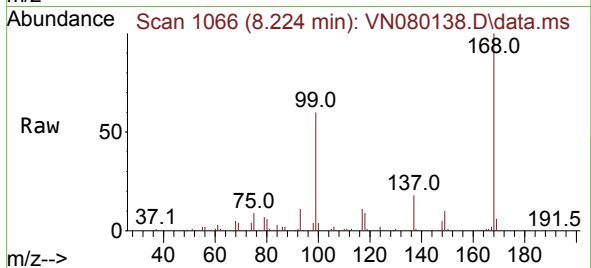




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

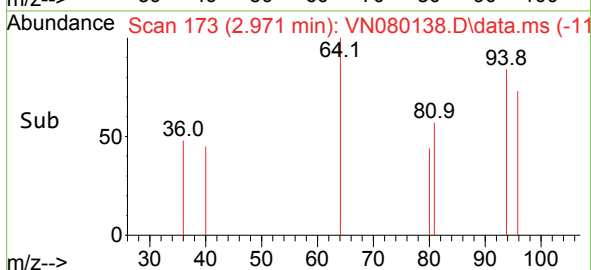
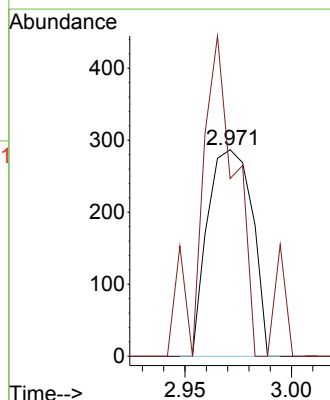
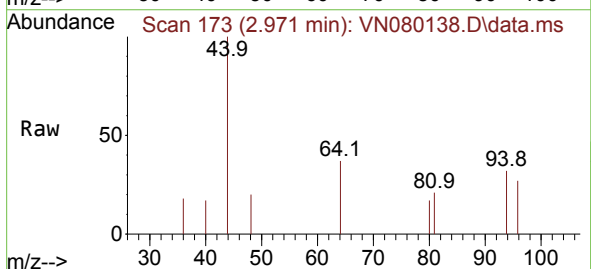
Instrument :
MSVOA_N
ClientSampleId :

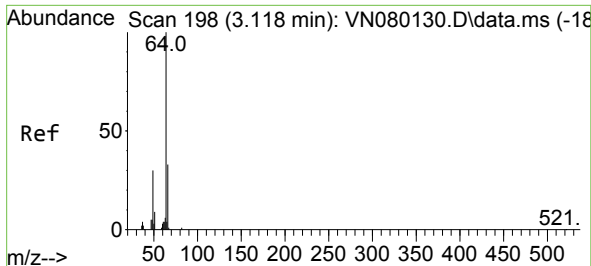
Tgt Ion:168 Resp: 176966
Ion Ratio Lower Upper
168 100
99 60.4 53.0 79.6



#5
Bromomethane
Concen: 0.294 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.023 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

Tgt Ion: 94 Resp: 418
Ion Ratio Lower Upper
94 100
96 32.8 73.1 109.7#

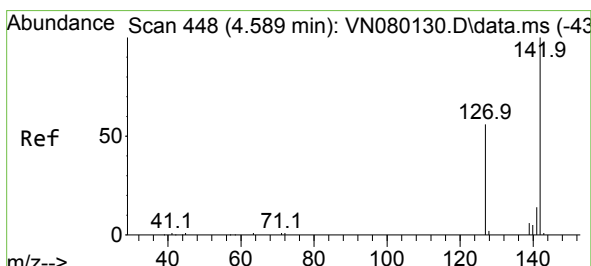
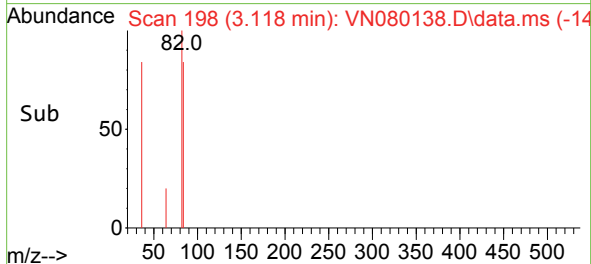
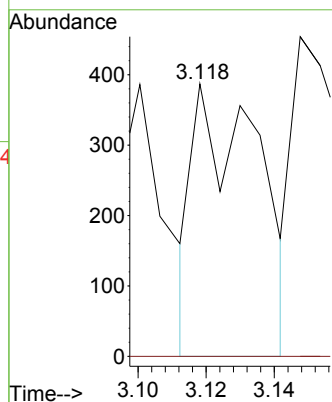
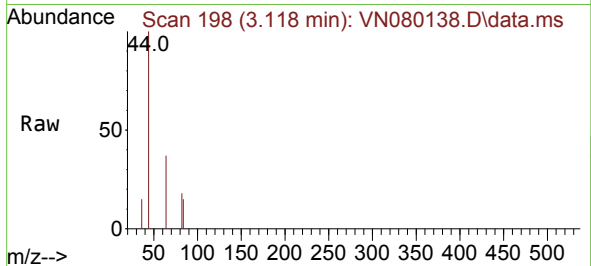




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

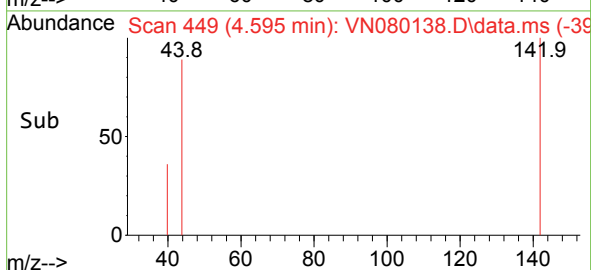
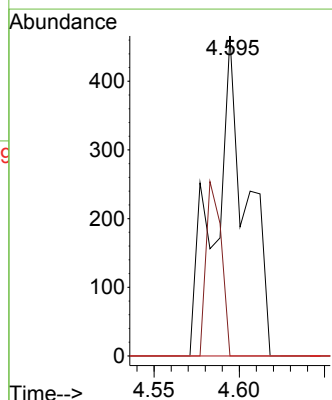
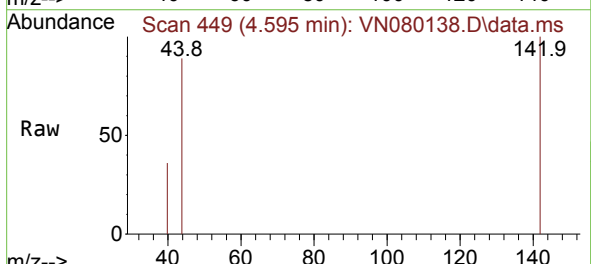
Instrument :
MSVOA_N
ClientSampleId :

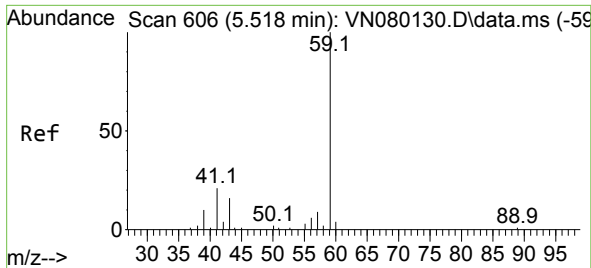
Tgt Ion: 64 Resp: 515
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.279 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

Tgt Ion: 142 Resp: 603
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#

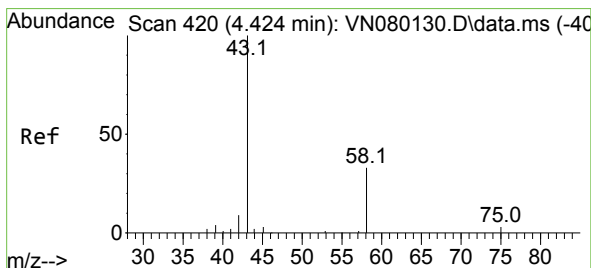
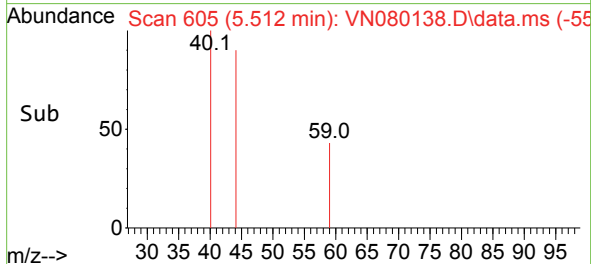
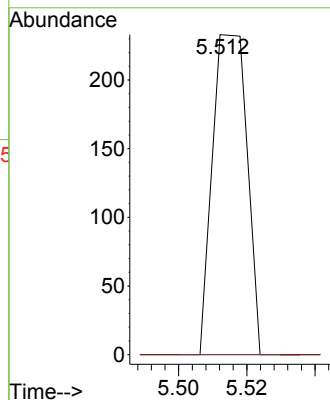
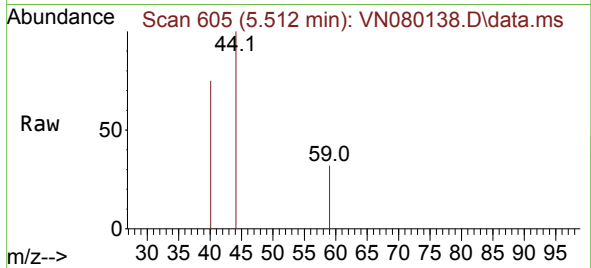




#11
Tert butyl alcohol
Concen: 0.510 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

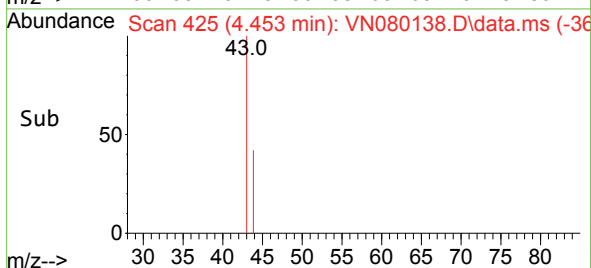
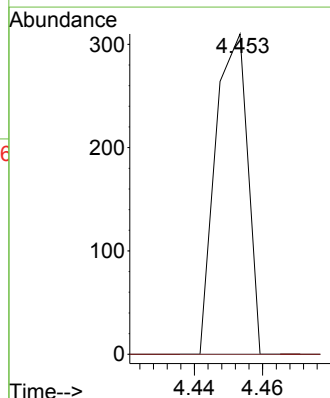
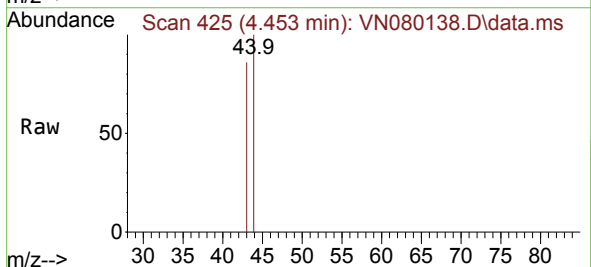
Instrument :
MSVOA_N
ClientSampleId :

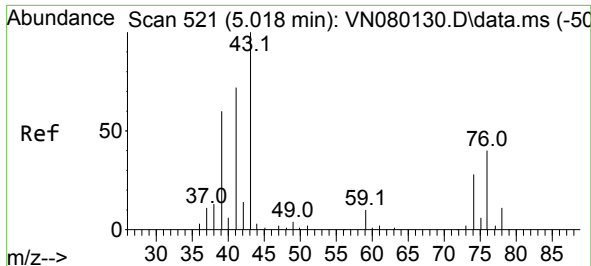
Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.207 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.029 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

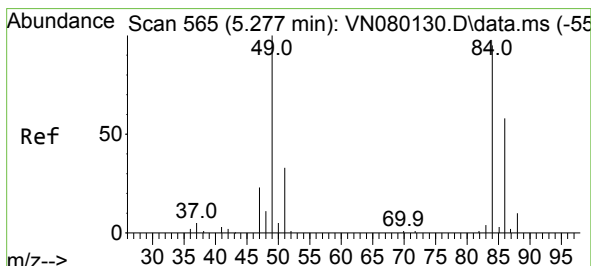
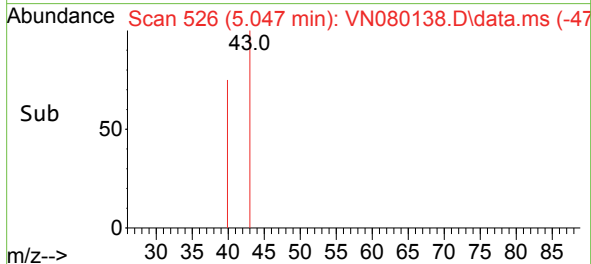
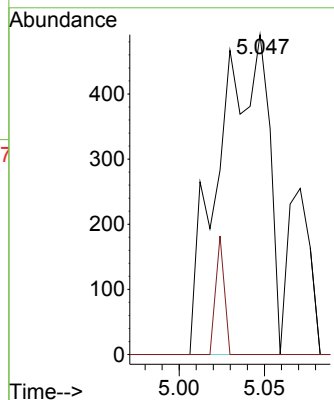
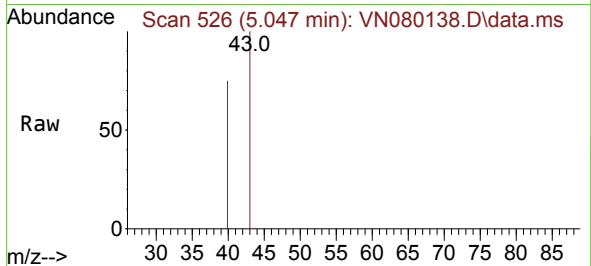




#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

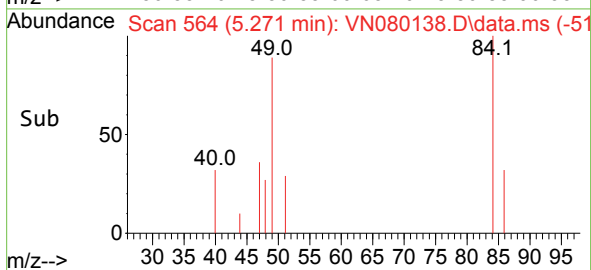
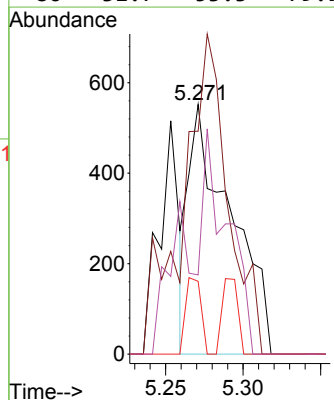
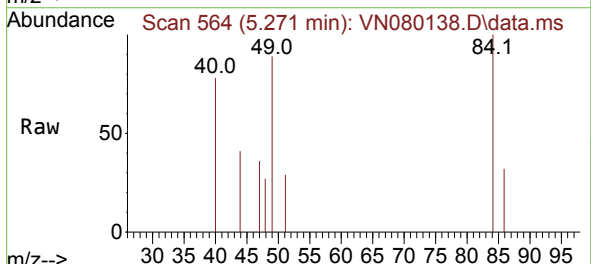
Instrument :
MSVOA_N
ClientSampleId :

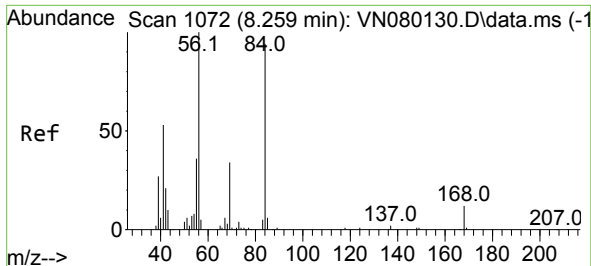
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 0.512 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

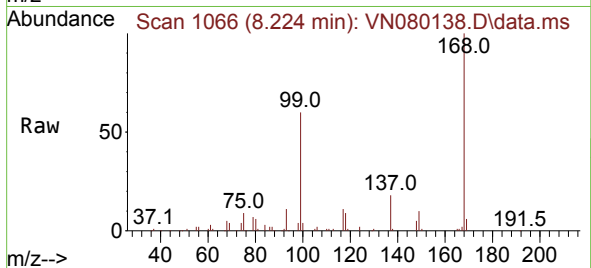
Tgt Ion: 84 Resp: 1053
Ion Ratio Lower Upper
84 100
49 89.3 79.7 119.5
51 29.2 25.2 37.8
86 31.7 53.3 79.9#



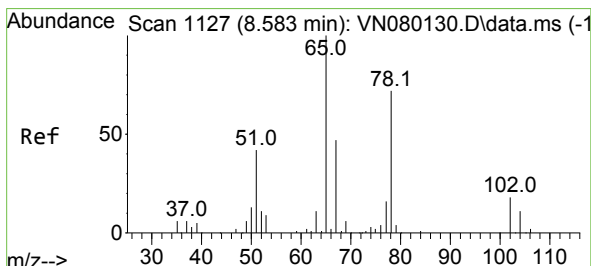
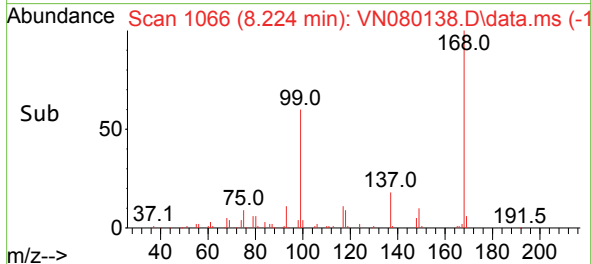
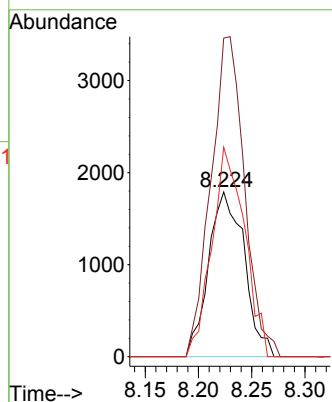


#31
Cyclohexane
Concen: 1.311 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

Instrument :
MSVOA_N
ClientSampleId :

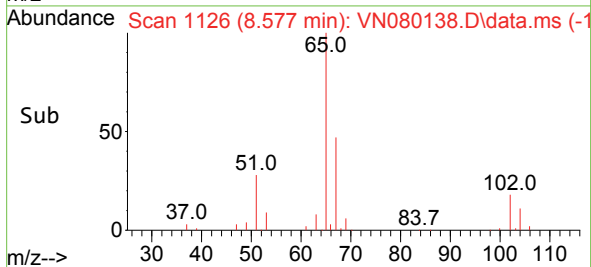
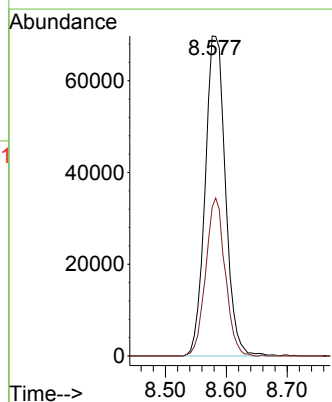
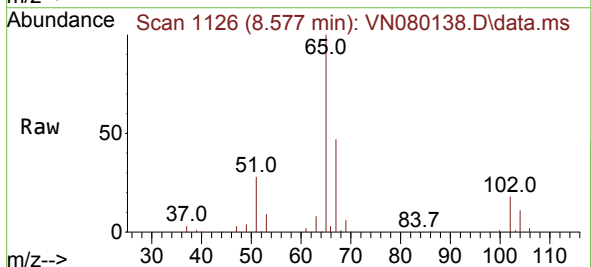


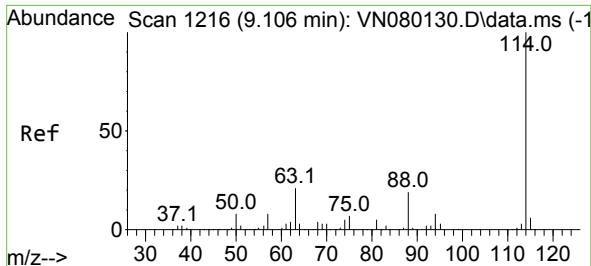
Tgt Ion: 56 Resp: 4165
Ion Ratio Lower Upper
56 100
69 193.5 26.8 40.2#
84 127.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 55.220 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

Tgt Ion: 65 Resp: 161352
Ion Ratio Lower Upper
65 100
67 47.3 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: VN080138.D

Acq: 16 Nov 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

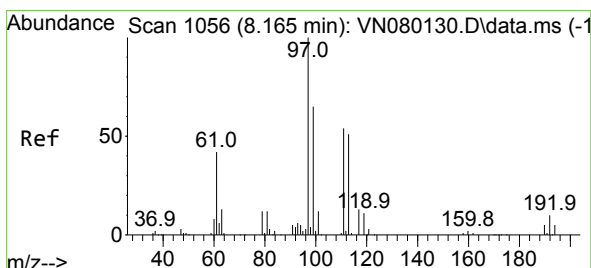
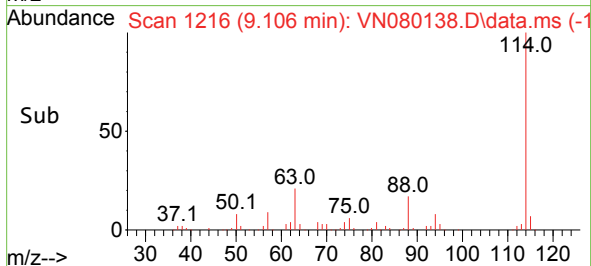
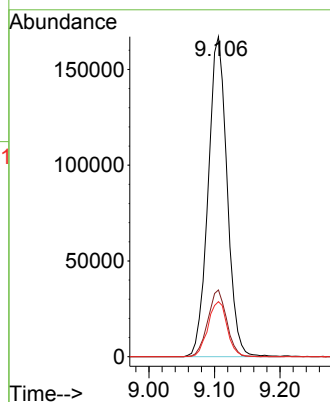
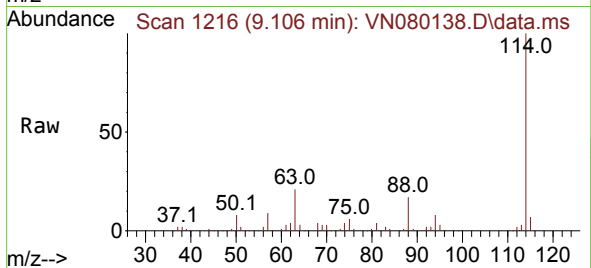
Tgt Ion:114 Resp: 335144

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

88 17.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.820 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080138.D

Acq: 16 Nov 2023 17:10

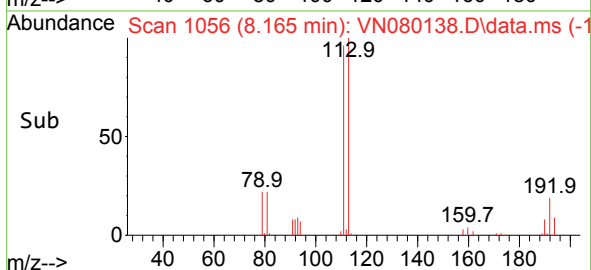
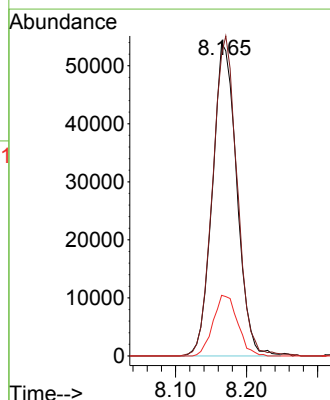
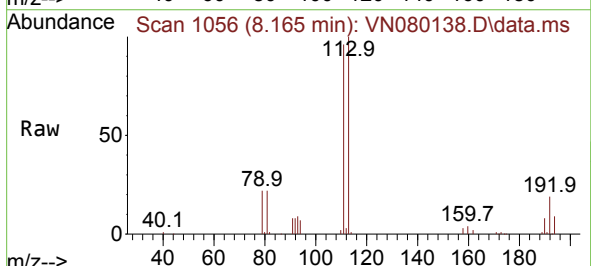
Tgt Ion:113 Resp: 128146

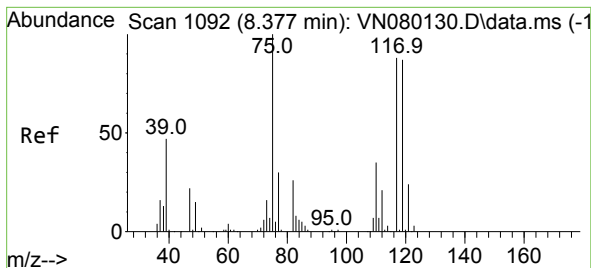
Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 19.6 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.313 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

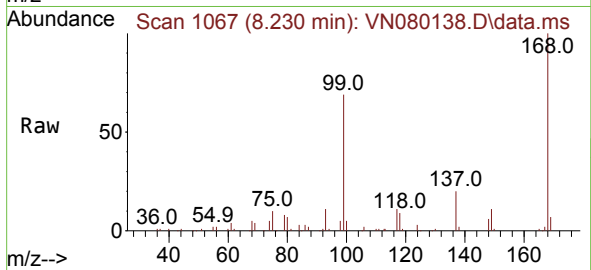
Lab File: VN080138.D

Acq: 16 Nov 2023 17:10

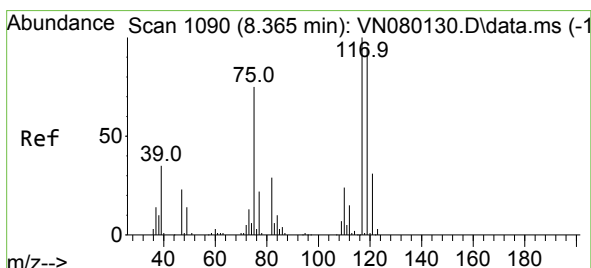
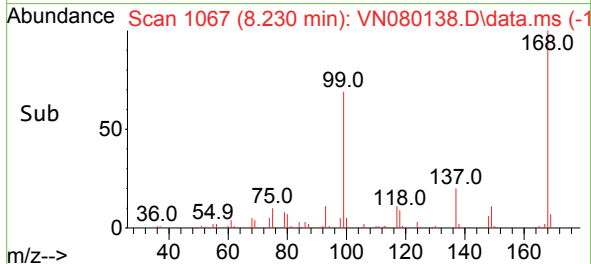
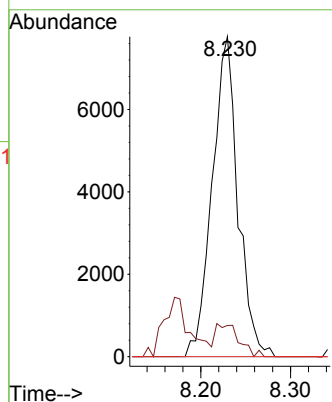
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	15442
Ion Ratio	Lower	Upper	
75	100		
110	9.4	19.1	57.3#
77	0.0	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 4.421 ug/l

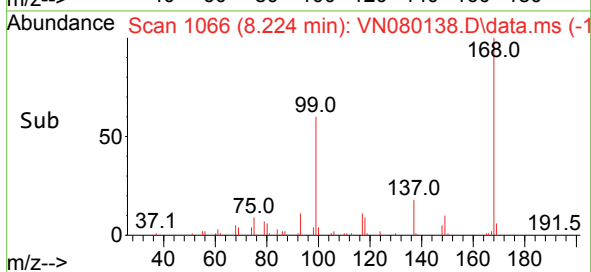
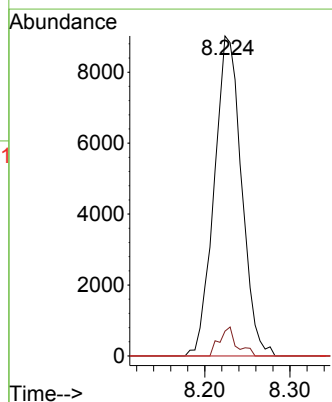
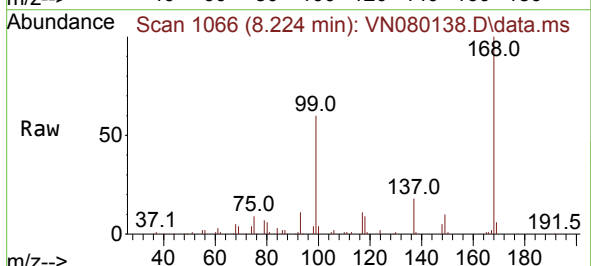
RT: 8.224 min Scan# 1066

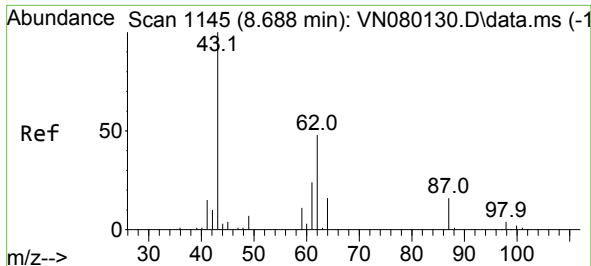
Delta R.T. -0.141 min

Lab File: VN080138.D

Acq: 16 Nov 2023 17:10

Tgt Ion:	117	Resp:	20086
Ion Ratio	Lower	Upper	
117	100		
119	7.8	77.3	115.9#
121	0.0	23.3	34.9#

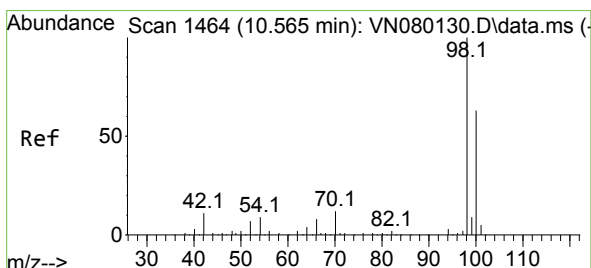
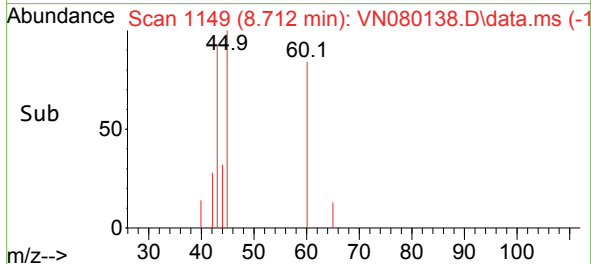
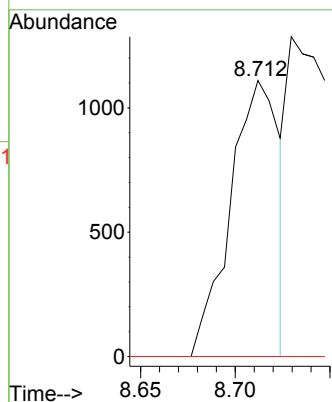
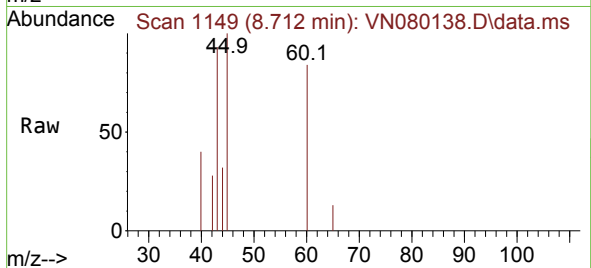




#43
Isopropyl Acetate
Concen: 0.411 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.023 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

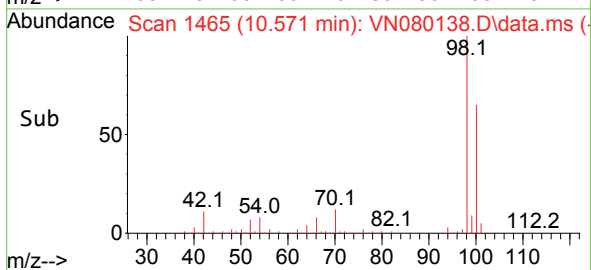
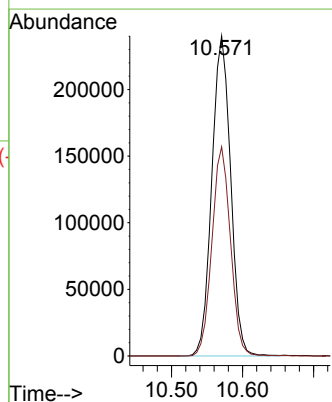
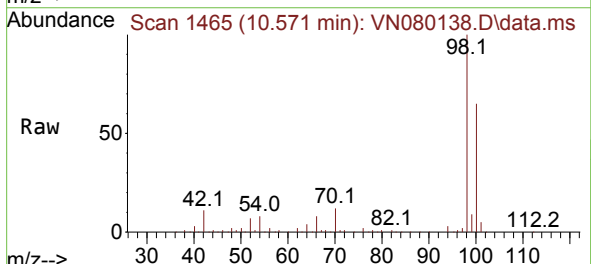
Instrument :
MSVOA_N
ClientSampleId :

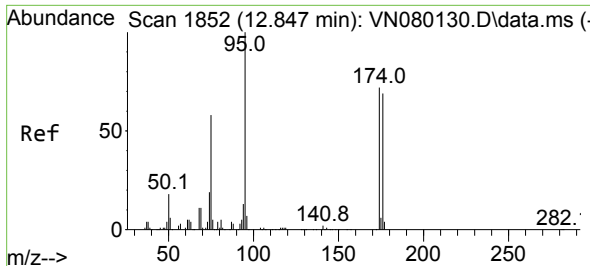
Tgt Ion: 43 Resp: 1988
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.503 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

Tgt Ion: 98 Resp: 441286
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

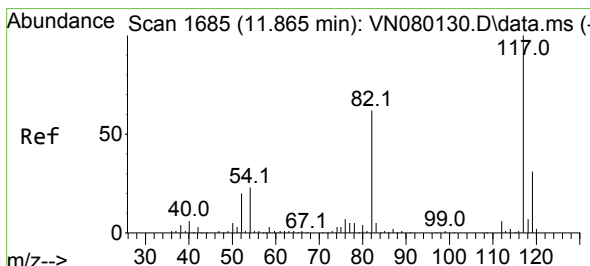
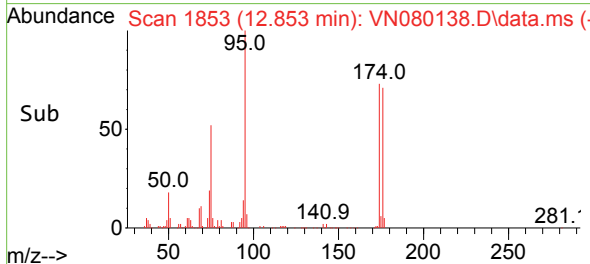
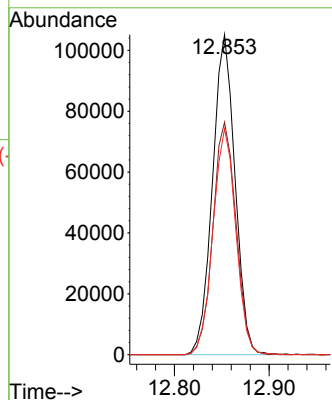
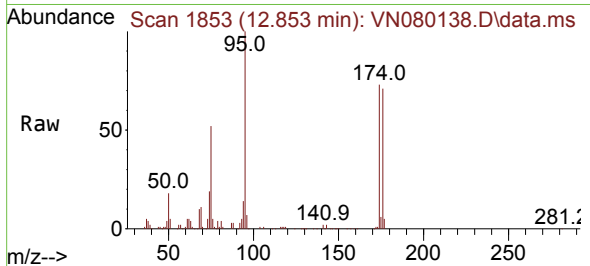




#62
4-Bromofluorobenzene
Concen: 51.618 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

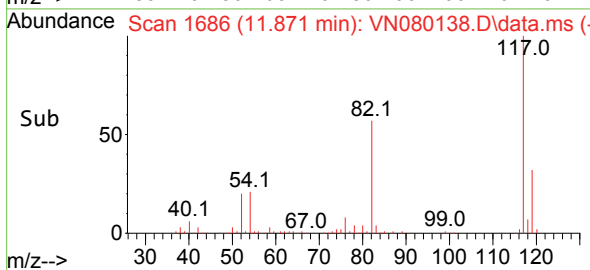
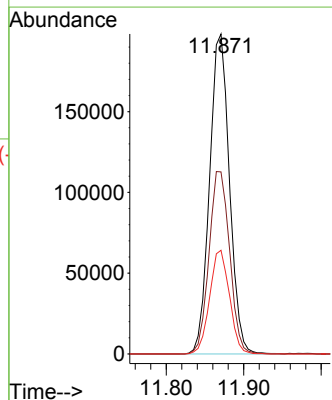
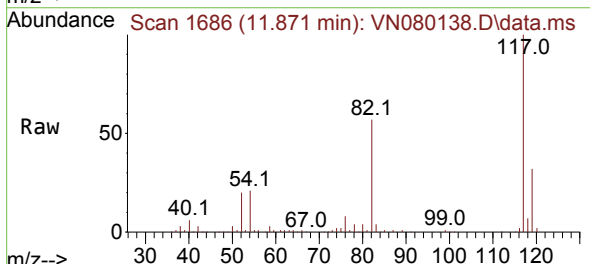
Instrument :
MSVOA_N
ClientSampleId :

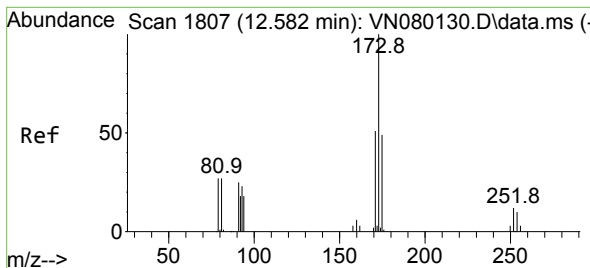
Tgt Ion: 95 Resp: 173803
Ion Ratio Lower Upper
95 100
174 74.5 0.0 143.8
176 71.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

Tgt Ion: 117 Resp: 353003
Ion Ratio Lower Upper
117 100
82 56.9 44.0 66.0
119 32.4 25.6 38.4





#71

Bromoform

Concen: 0.376 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN080138.D

Acq: 16 Nov 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

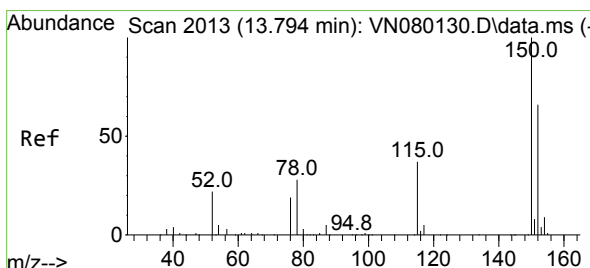
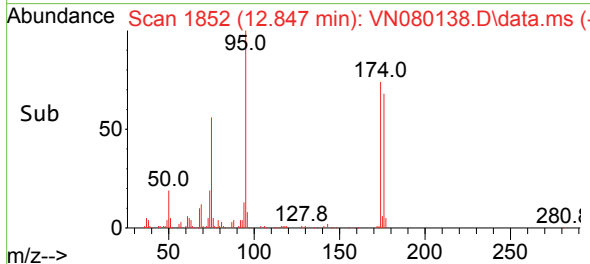
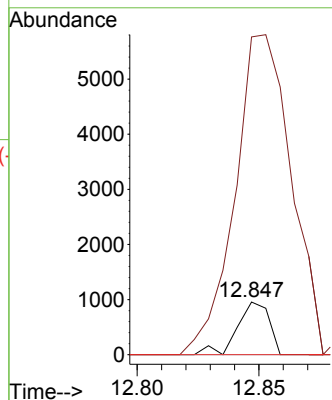
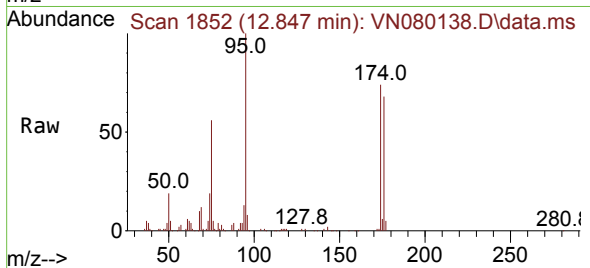
Tgt Ion:173 Resp: 866

Ion Ratio Lower Upper

173 100

175 895.0 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# 2013

Delta R.T. -0.000 min

Lab File: VN080138.D

Acq: 16 Nov 2023 17:10

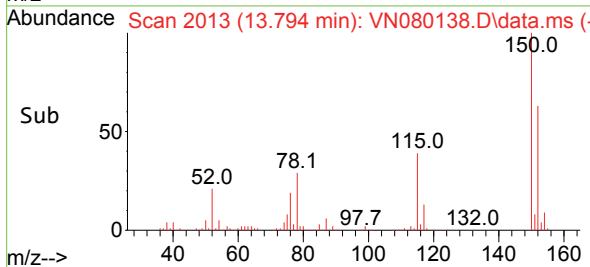
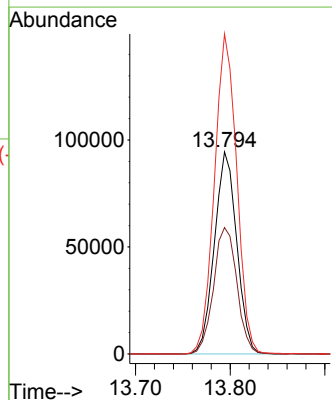
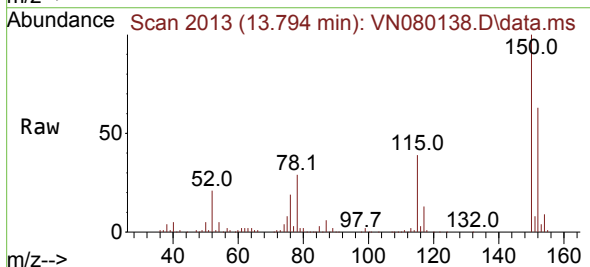
Tgt Ion:152 Resp: 155166

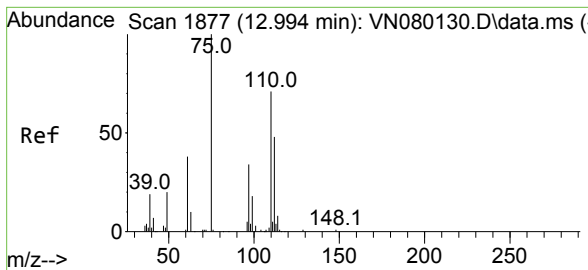
Ion Ratio Lower Upper

152 100

115 65.3 32.3 96.8

150 158.1 0.0 355.8

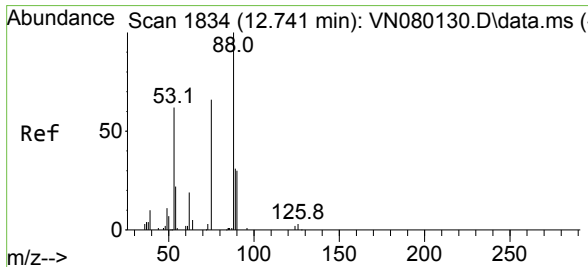
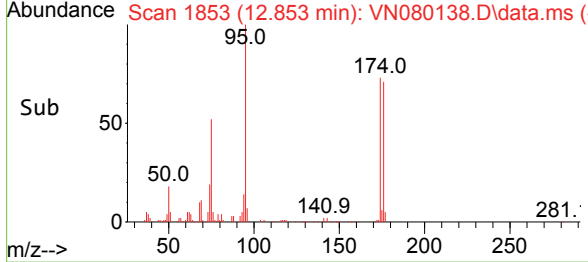
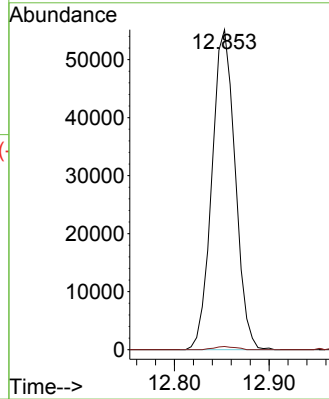
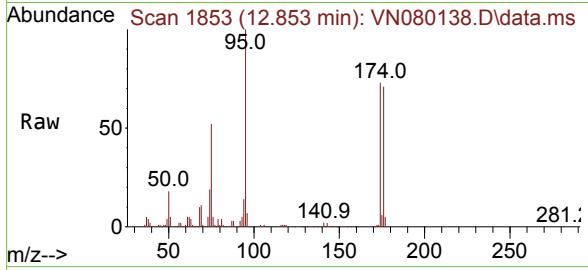




#76
 1,2,3-Trichloropropane
 Concen: 24.745 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080138.D
 Acq: 16 Nov 2023 17:10

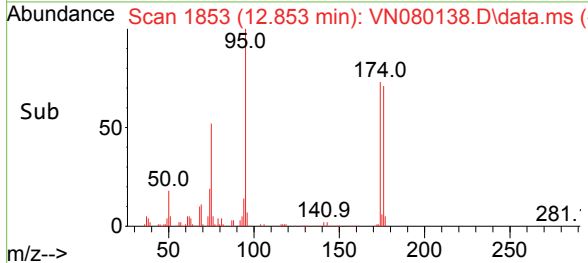
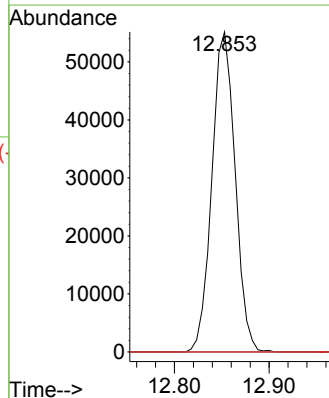
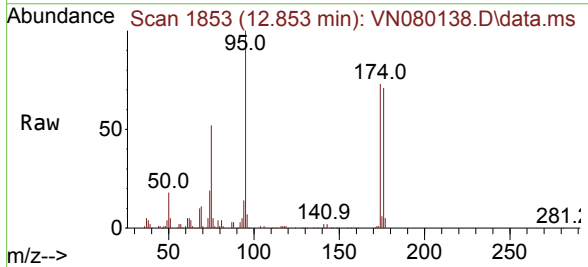
Instrument :
 MSVOA_N
 ClientSampleId :

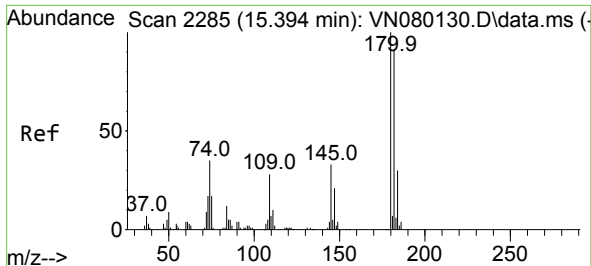
Tgt Ion: 75 Resp: 94078
 Ion Ratio Lower Upper
 75 100
 77 0.9 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.605 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN080138.D
 Acq: 16 Nov 2023 17:10

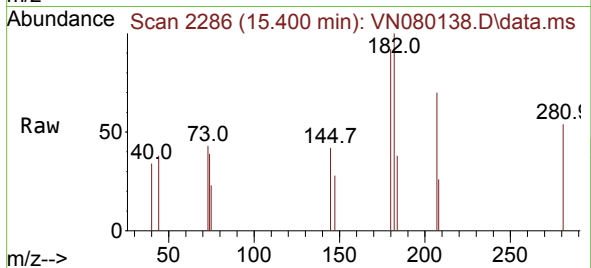
Tgt Ion: 75 Resp: 94078
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



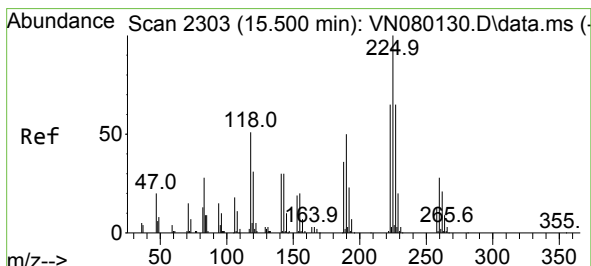
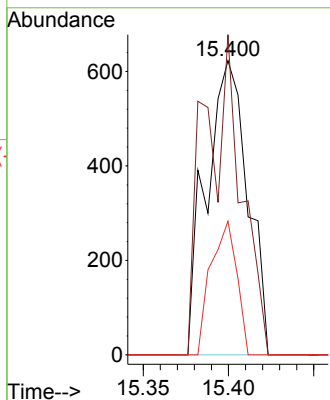
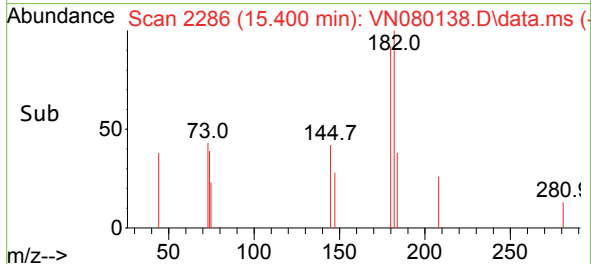


#93
1,2,4-Trichlorobenzene
Concen: 0.345 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10

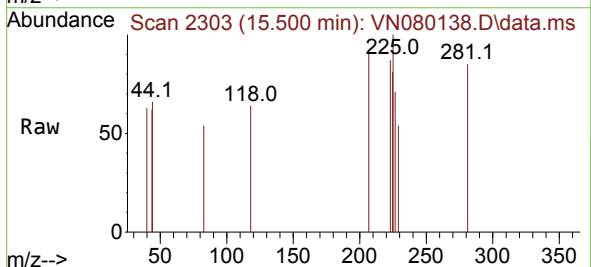
Instrument :
MSVOA_N
ClientSampleId :



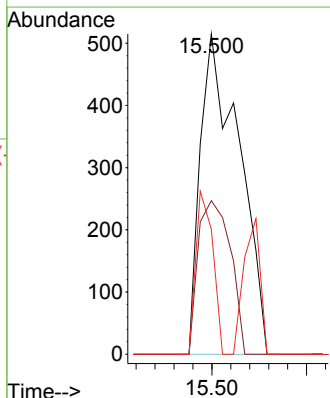
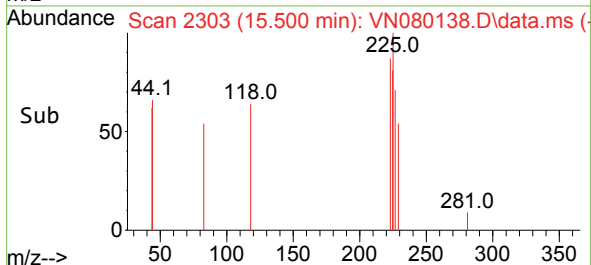
Tgt Ion:180 Resp: 1052
Ion Ratio Lower Upper
180 100
182 46.4 46.1 138.2
145 28.4 16.6 49.8

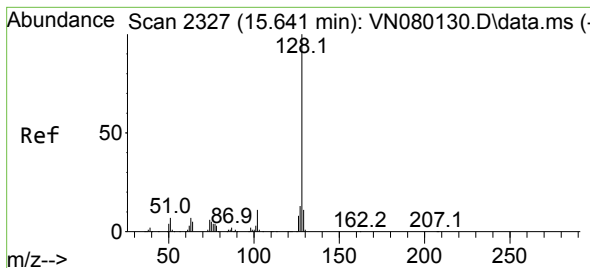


#94
Hexachlorobutadiene
Concen: 0.418 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN080138.D
Acq: 16 Nov 2023 17:10



Tgt Ion:225 Resp: 734
Ion Ratio Lower Upper
225 100
223 39.9 31.3 93.8
227 22.2 31.9 95.9#





#95

Naphthalene

Concen: 0.475 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080138.D

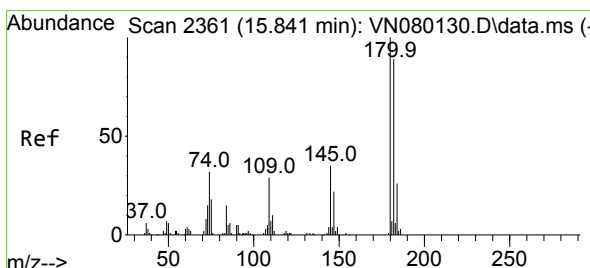
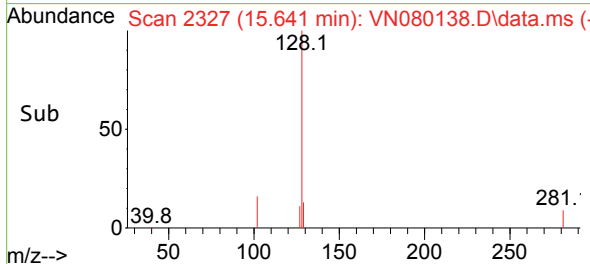
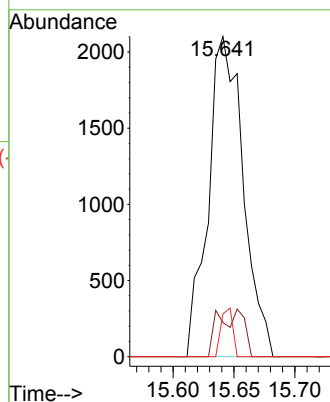
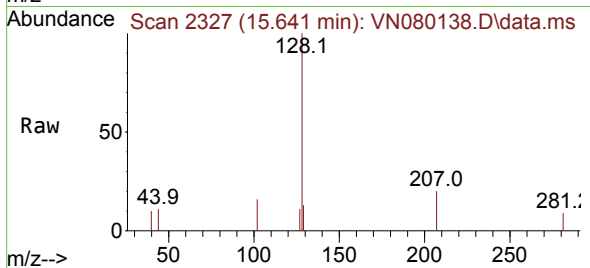
Acq: 16 Nov 2023 17:10

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	4202
Ion Ratio	Lower	Upper
128	100	
127	6.1	10.0 15.0#
129	5.0	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.410 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN080138.D

Acq: 16 Nov 2023 17:10

Tgt Ion:180	Resp:	1171
Ion Ratio	Lower	Upper
180	100	
182	89.1	46.2 138.6
145	5.6	17.5 52.6#

