

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080404.D
 Acq On : 08 Dec 2023 14:13
 Operator : JC\MD
 Sample : VN1208WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 08 22:38:13 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	8.230	168	169763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	140348	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148175	52.862	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.720%	
35) Dibromofluoromethane	8.165	113	120952	53.956	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.920%	
50) Toluene-d8	10.565	98	404169	50.016	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.040%	
62) 4-Bromofluorobenzene	12.853	95	152157	49.851	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.700%	

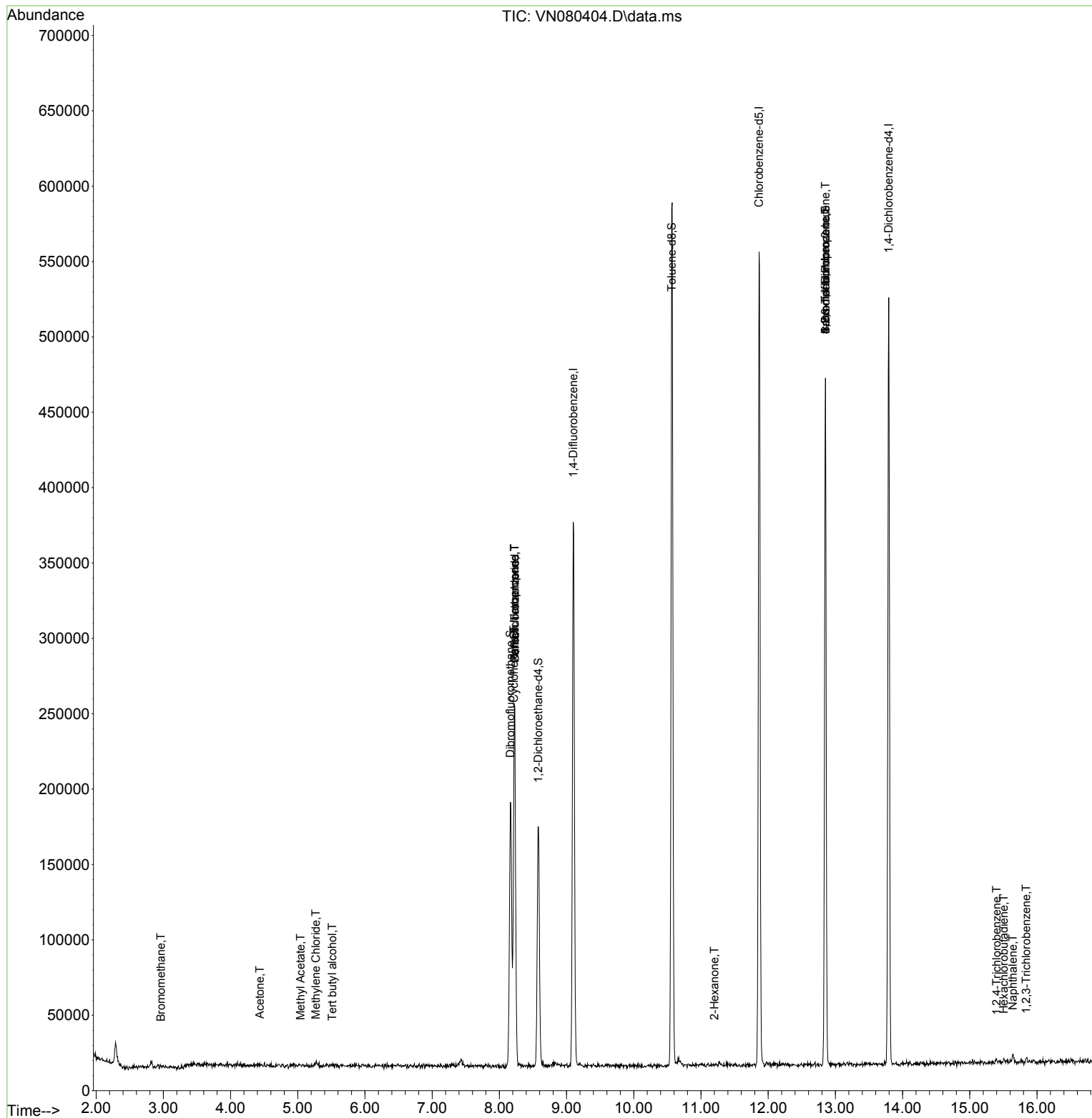
Target Compounds			Qvalue			
5) Bromomethane	2.965	94	305	0.223	ug/l #	58
6) Chloroethane	3.136	64	645	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	113	0.367	ug/l #	72
16) Acetone	4.436	43	338	0.359	ug/l #	40
18) Methyl Acetate	5.042	43	702	0.232	ug/l #	57
20) Methylene Chloride	5.271	84	992	0.503	ug/l #	62
31) Cyclohexane	8.218	56	3581	1.175	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	14070	4.335	ug/l #	50
38) Carbon Tetrachloride	8.230	117	19750	4.795	ug/l #	17
59) 2-Hexanone	11.200	43	551	0.302	ug/l	75
71) Bromoform	12.853	173	1150	0.552	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	84304	24.516	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	84304	82.829	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	1180	0.428	ug/l	93
94) Hexachlorobutadiene	15.506	225	808	0.509	ug/l	91
95) Naphthalene	15.641	128	6058	0.758	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	987	0.382	ug/l	69

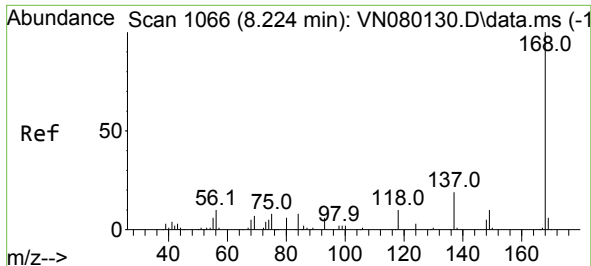
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 22:38:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
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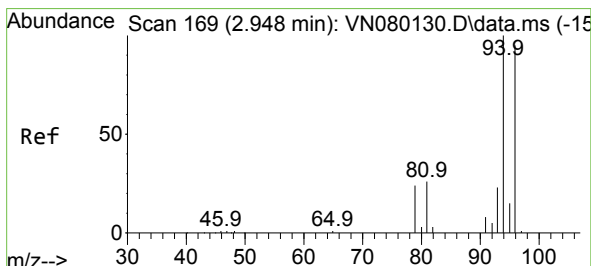
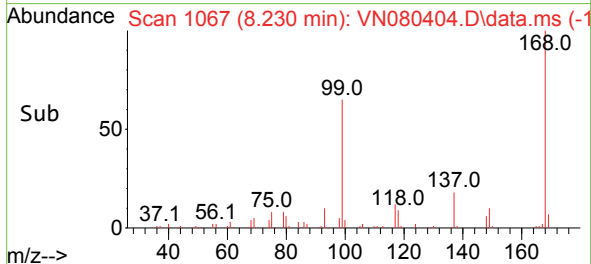
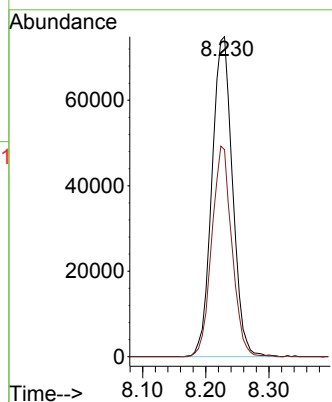
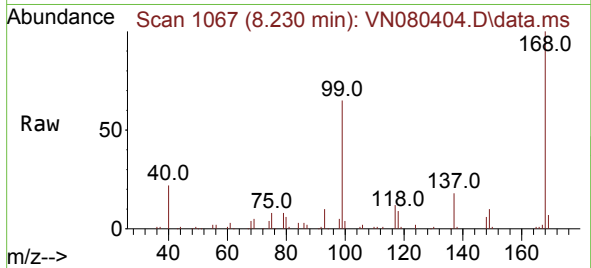




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

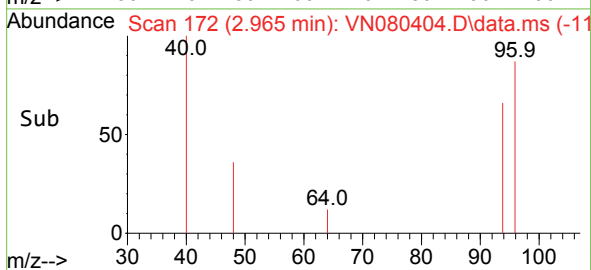
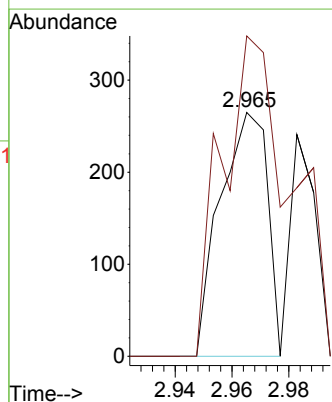
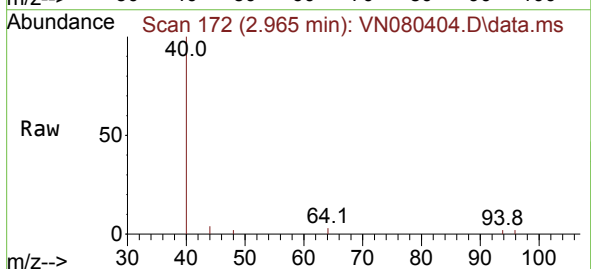
Instrument :
MSVOA_N
ClientSampleId :

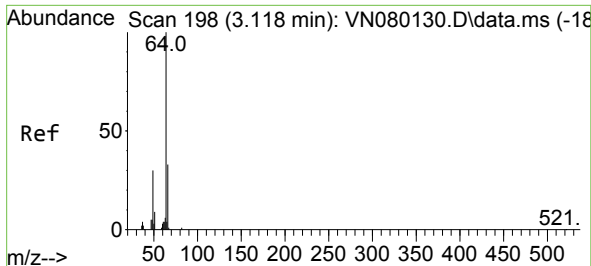
Tgt Ion:168 Resp: 169763
Ion Ratio Lower Upper
168 100
99 64.7 53.0 79.6



#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

Tgt Ion: 94 Resp: 305
Ion Ratio Lower Upper
94 100
96 131.3 73.1 109.7#

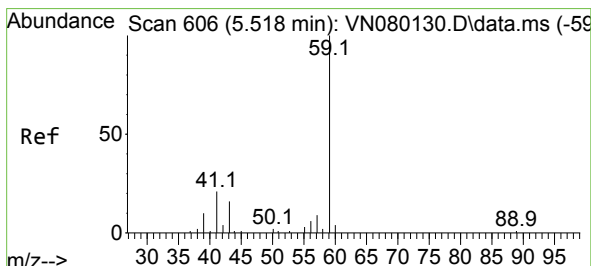
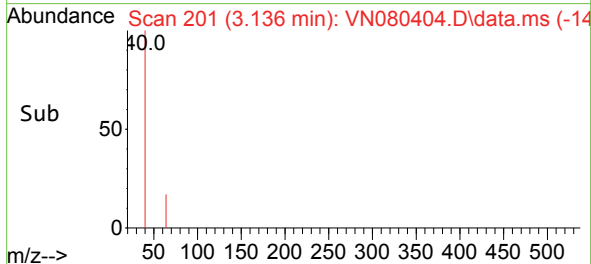
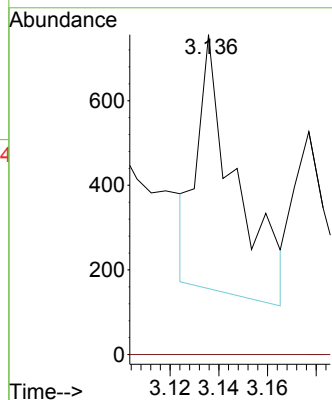
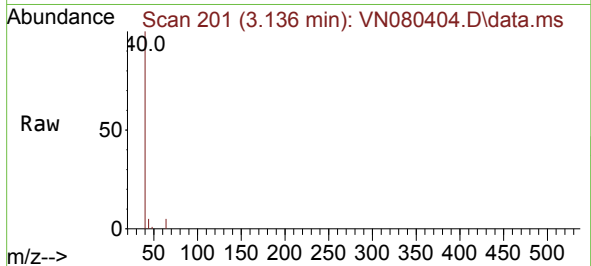




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

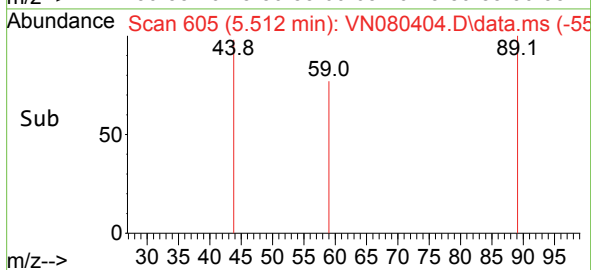
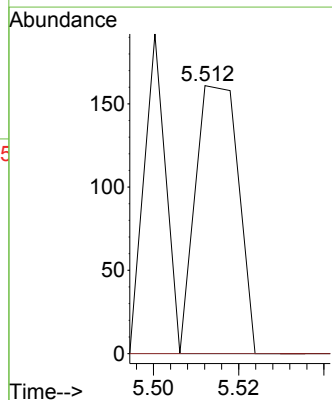
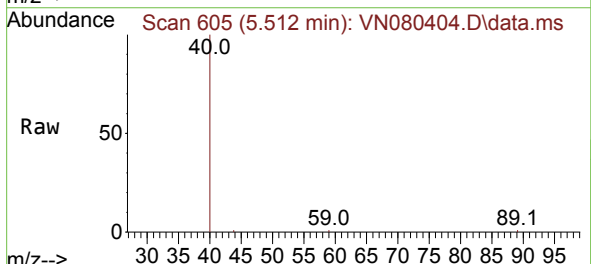
Instrument :
MSVOA_N
ClientSampleId :

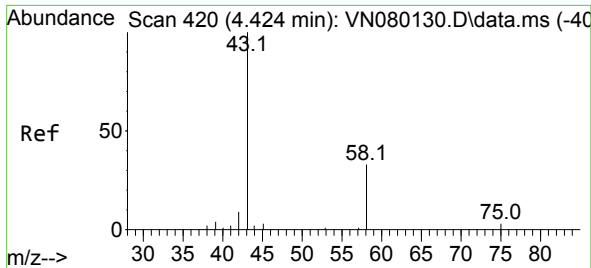
Tgt Ion: 64 Resp: 645
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.367 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

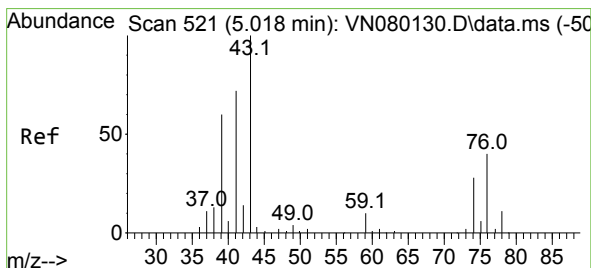
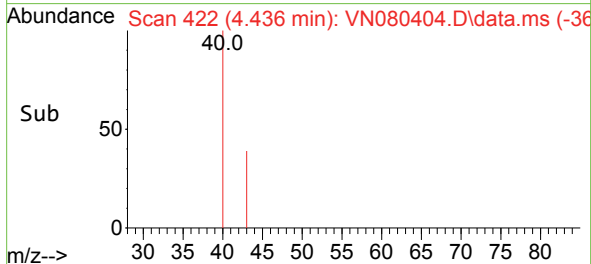
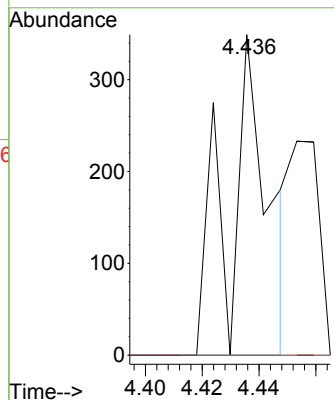
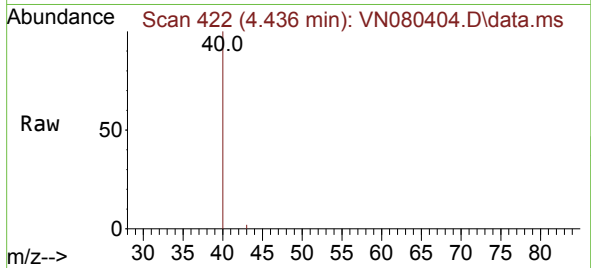




#16
Acetone
Concen: 0.359 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

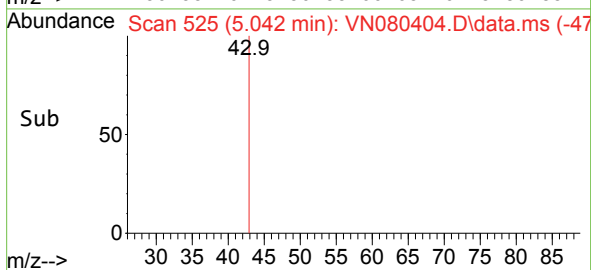
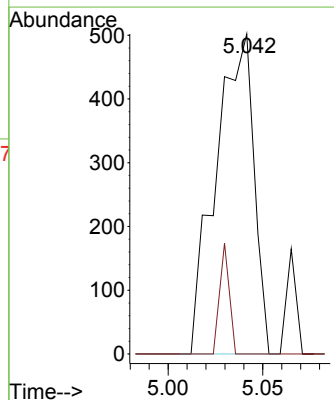
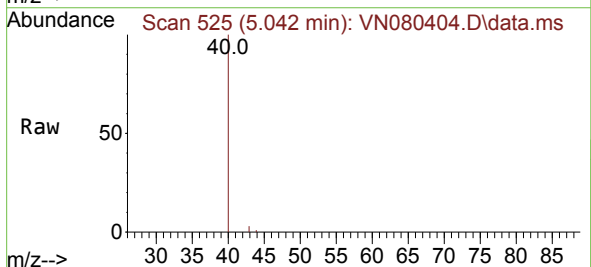
Instrument :
MSVOA_N
ClientSampleId :

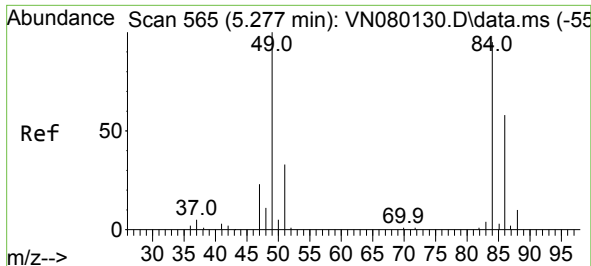
Tgt Ion: 43 Resp: 338
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

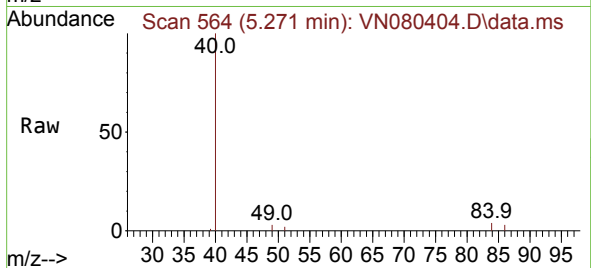
Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
74 8.7 26.2 39.4#



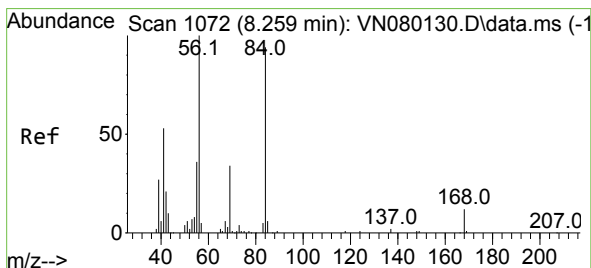
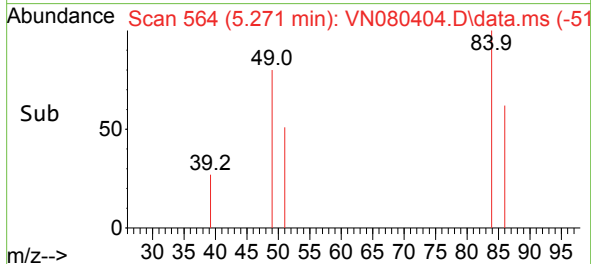
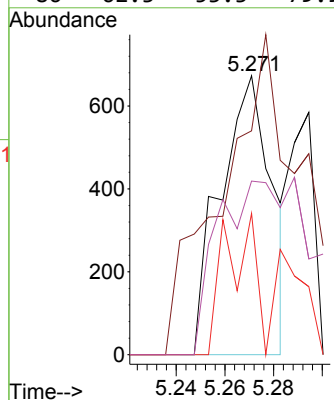


#20
Methylene Chloride
Concen: 0.503 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

Instrument :
MSVOA_N
ClientSampleId :

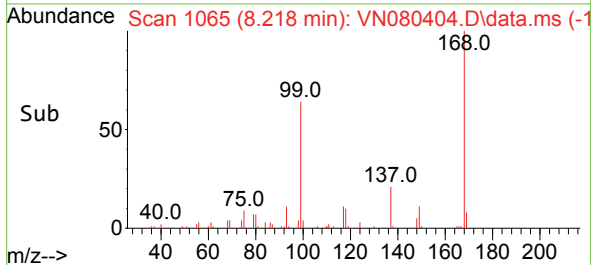
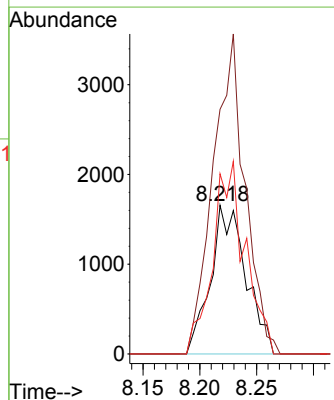
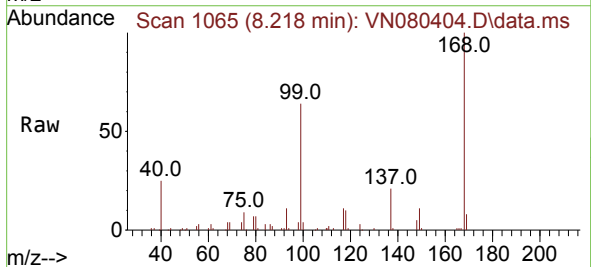


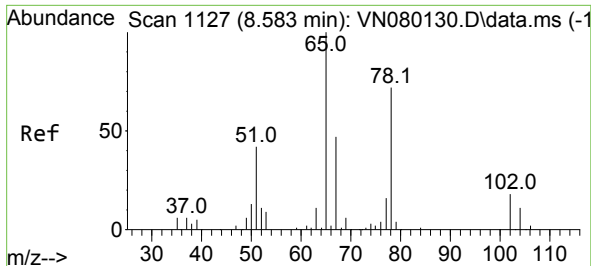
Tgt Ion:	84	Resp:	992
Ion	Ratio	Lower	Upper
84	100		
49	39.2	79.7	119.5#
51	50.7	25.2	37.8#
86	62.3	53.3	79.9



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

Tgt Ion:	56	Resp:	3581
Ion	Ratio	Lower	Upper
56	100		
69	164.6	26.8	40.2#
84	121.2	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 52.862 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN080404.D

Acq: 08 Dec 2023 14:13

Instrument :

MSVOA_N

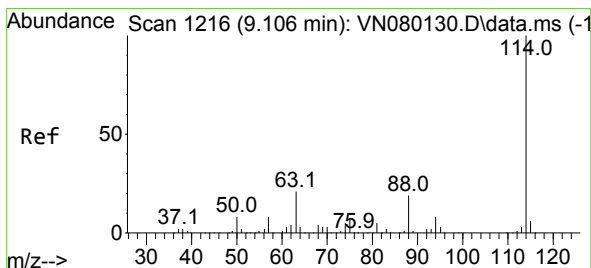
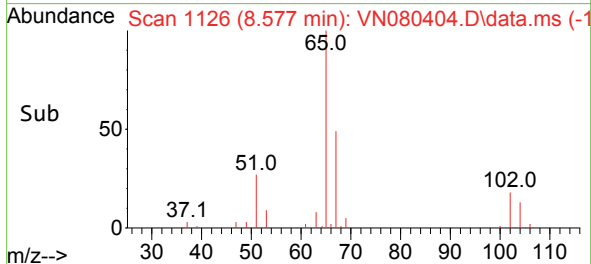
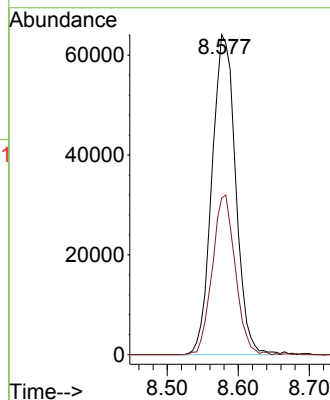
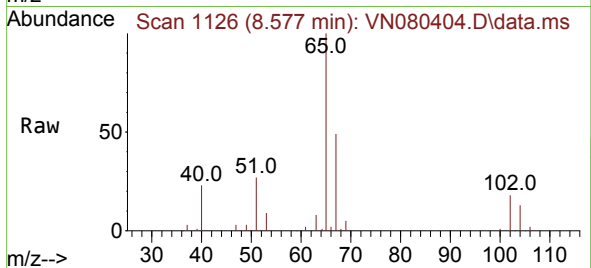
ClientSampleId :

Tgt Ion: 65 Resp: 148175

Ion Ratio Lower Upper

65 100

67 48.5 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: VN080404.D

Acq: 08 Dec 2023 14:13

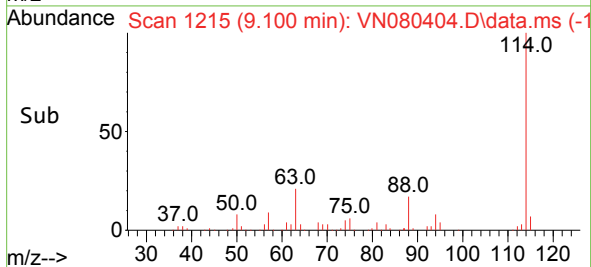
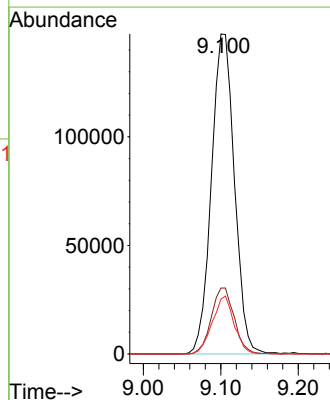
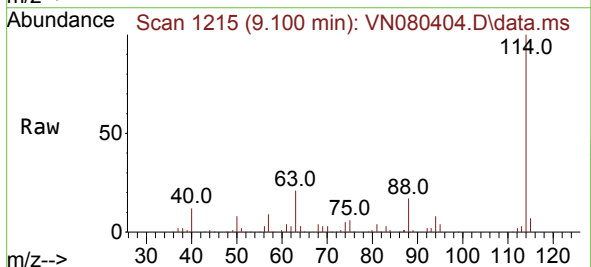
Tgt Ion: 114 Resp: 303803

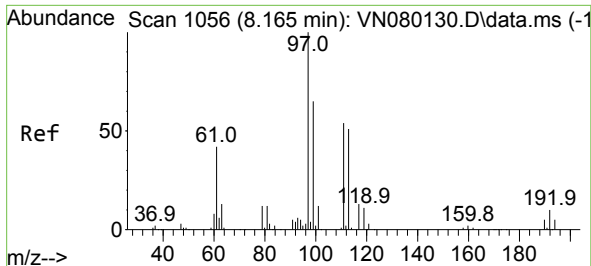
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

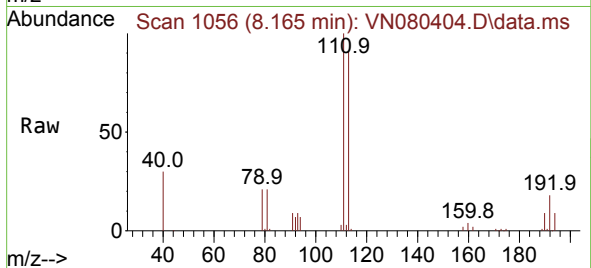
88 17.1 0.0 30.6



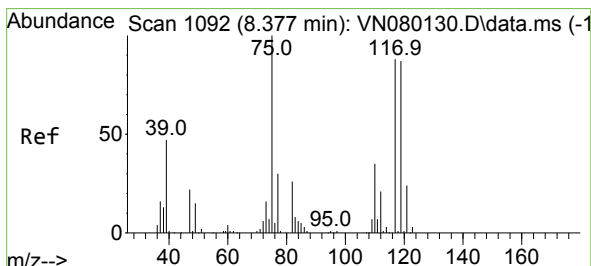
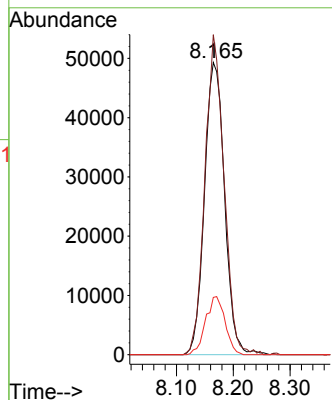
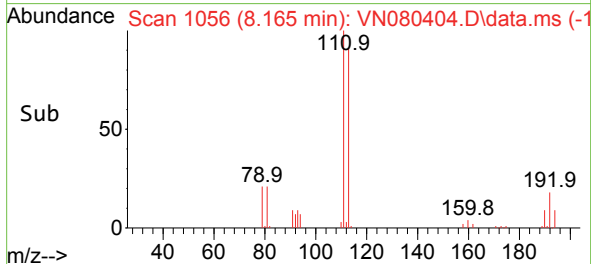


#35
Dibromofluoromethane
Concen: 53.956 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

Instrument :
MSVOA_N
ClientSampleId :

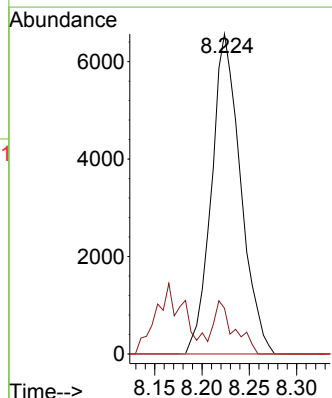
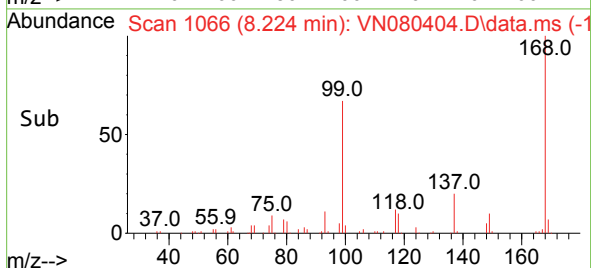
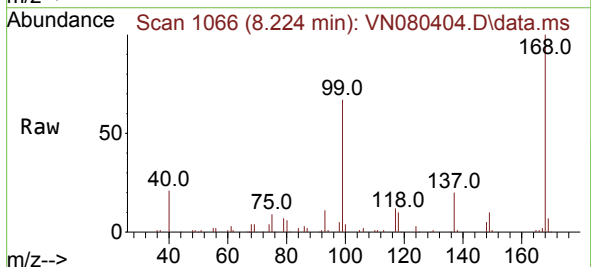


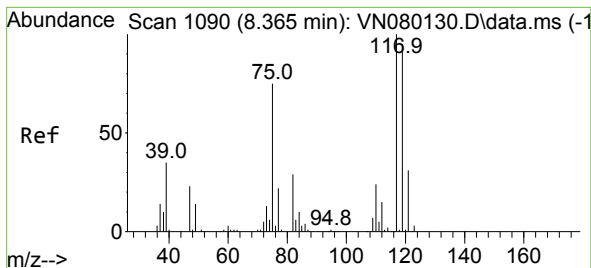
Tgt Ion:113 Resp: 120952
Ion Ratio Lower Upper
113 100
111 104.5 82.6 123.8
192 19.3 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.335 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

Tgt Ion: 75 Resp: 14070
Ion Ratio Lower Upper
75 100
110 11.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.795 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

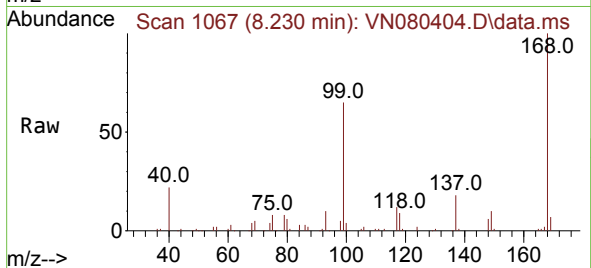
Lab File: VN080404.D

Acq: 08 Dec 2023 14:13

Instrument :

MSVOA_N

ClientSampleId :



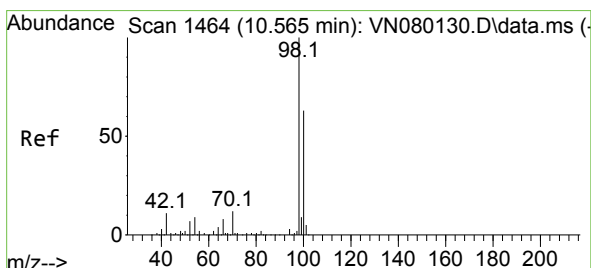
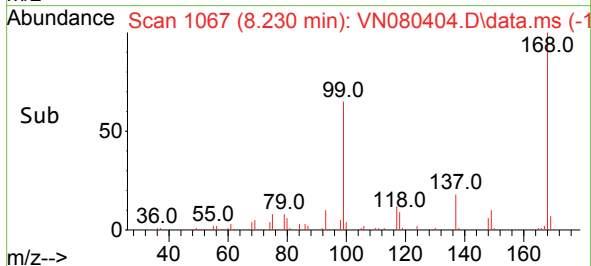
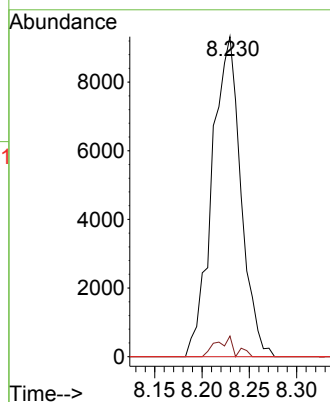
Tgt Ion:117 Resp: 19750

Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.016 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN080404.D

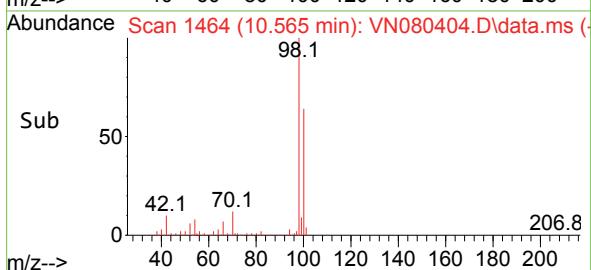
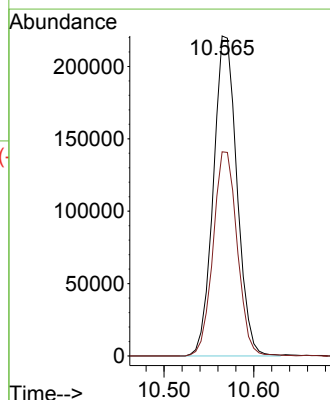
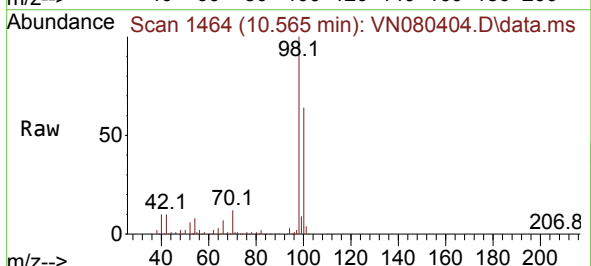
Acq: 08 Dec 2023 14:13

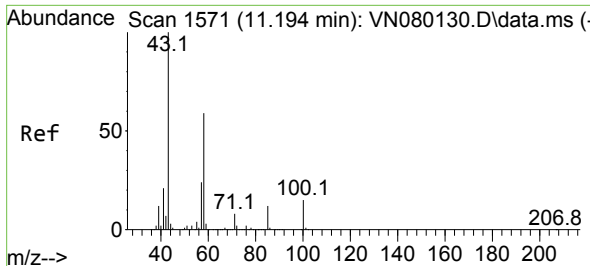
Tgt Ion: 98 Resp: 404169

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0

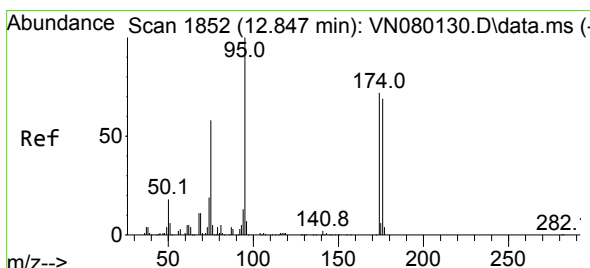
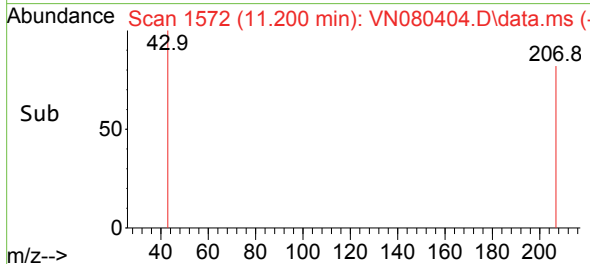
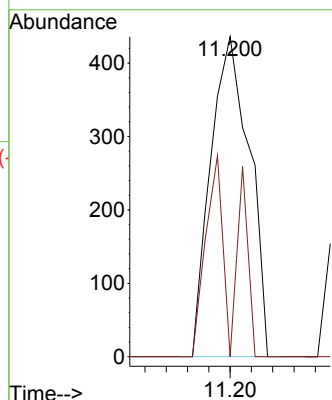
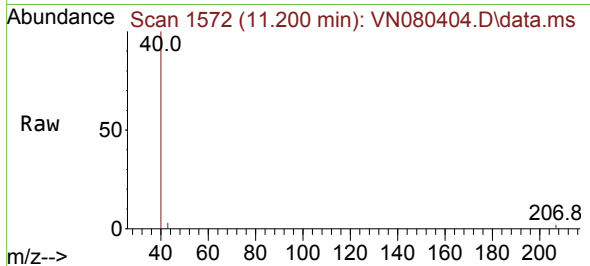




#59
2-Hexanone
Concen: 0.302 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

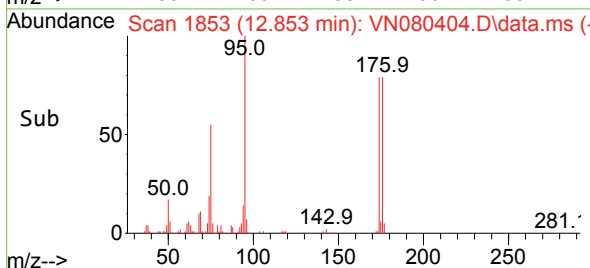
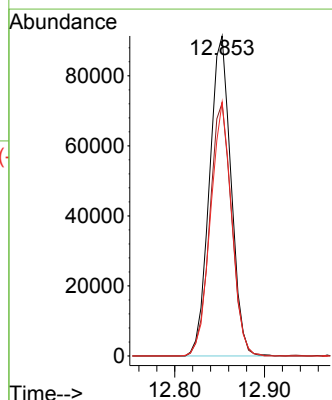
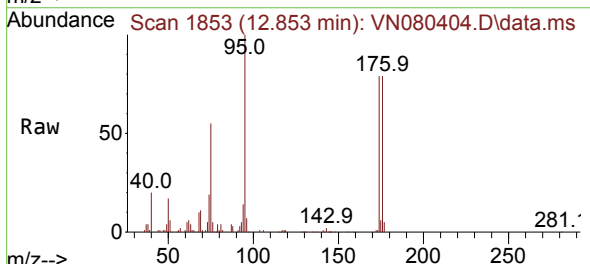
Instrument :
MSVOA_N
ClientSampleId :

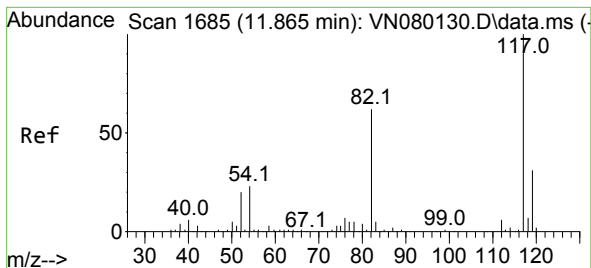
Tgt Ion: 43 Resp: 551
Ion Ratio Lower Upper
43 100
58 44.3 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 49.851 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

Tgt Ion: 95 Resp: 152157
Ion Ratio Lower Upper
95 100
174 79.8 0.0 143.8
176 78.0 0.0 135.8

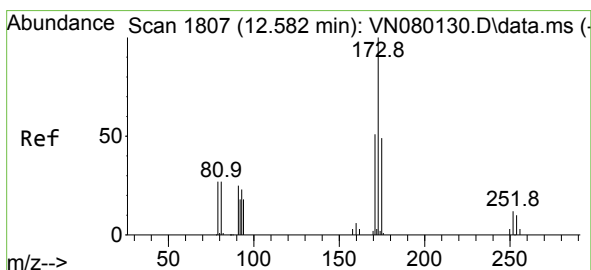
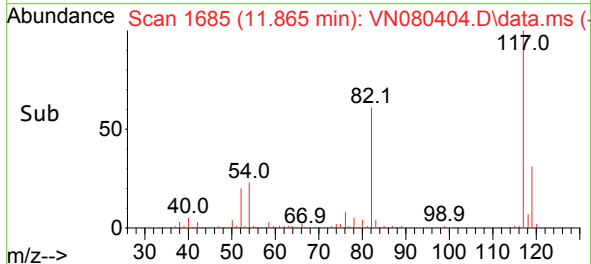
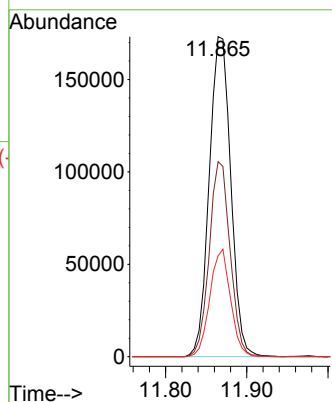
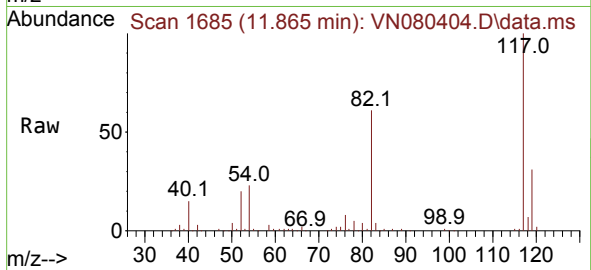




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

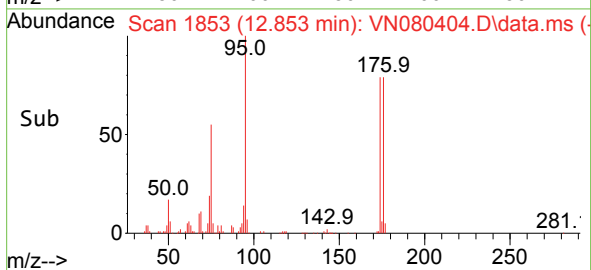
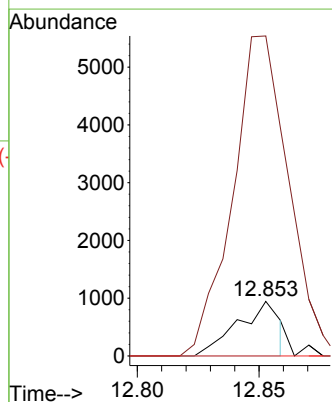
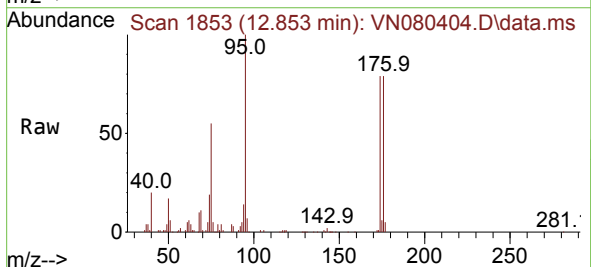
Instrument :
MSVOA_N
ClientSampleId :

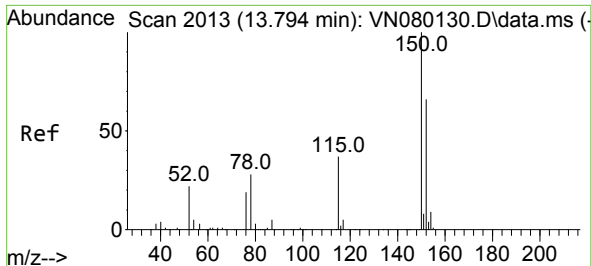
Tgt Ion:117 Resp: 319348
Ion Ratio Lower Upper
117 100
82 60.9 44.0 66.0
119 31.5 25.6 38.4



#71
Bromoform
Concen: 0.552 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

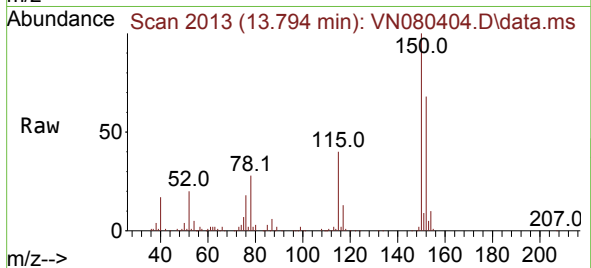
Tgt Ion:173 Resp: 1150
Ion Ratio Lower Upper
173 100
175 651.0 24.3 73.0#
254 0.0 0.0 0.0



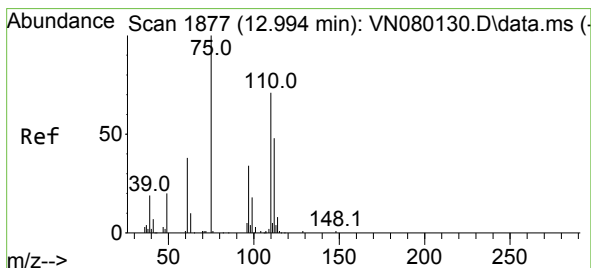
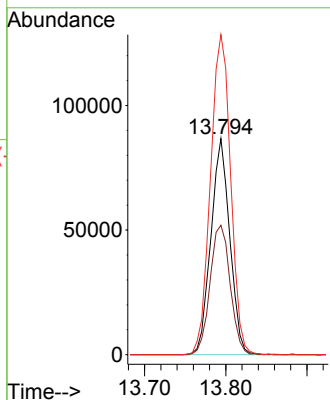
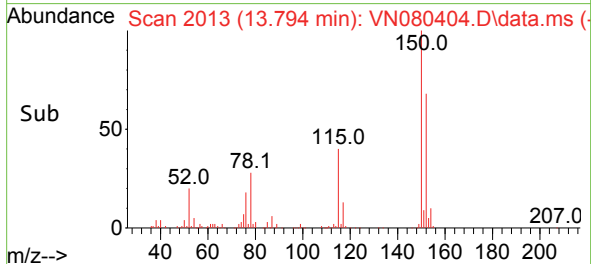


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

Instrument :
MSVOA_N
ClientSampleId :

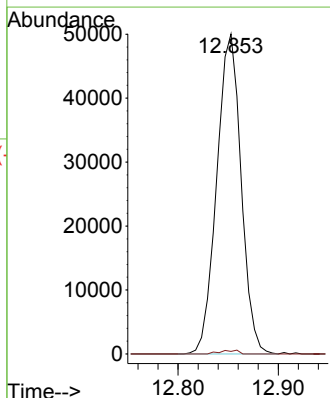
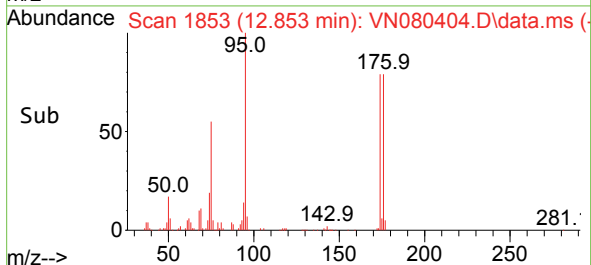
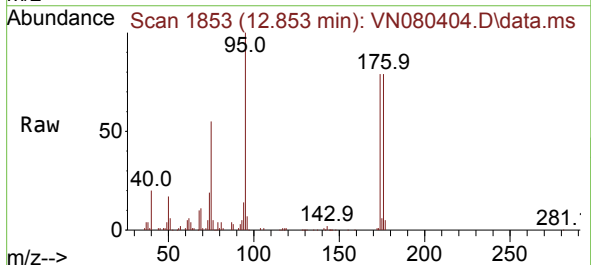


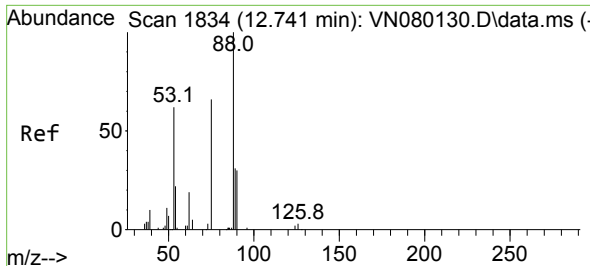
Tgt Ion:152 Resp: 140348
Ion Ratio Lower Upper
152 100
115 63.8 32.3 96.8
150 157.6 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 24.516 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

Tgt Ion: 75 Resp: 84304
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#

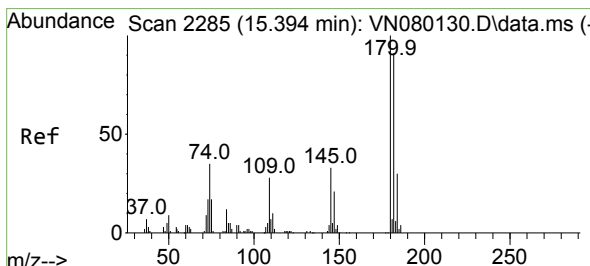
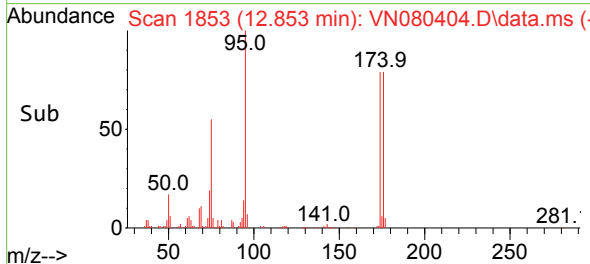
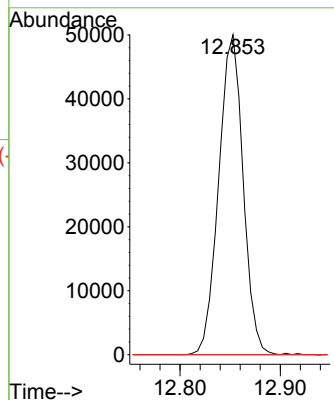
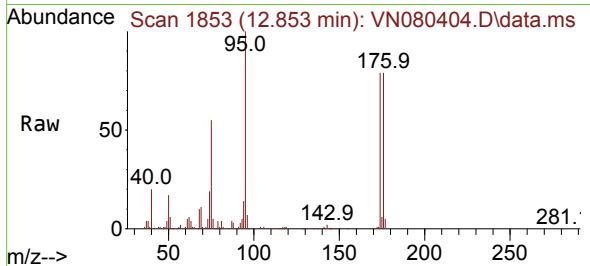




#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.829 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080404.D
 Acq: 08 Dec 2023 14:13

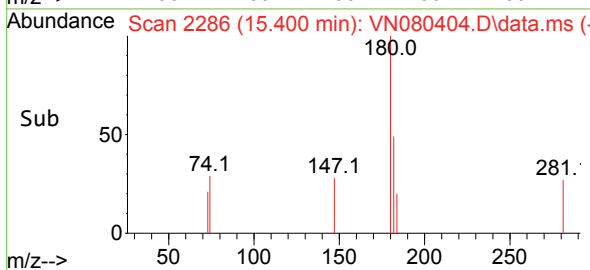
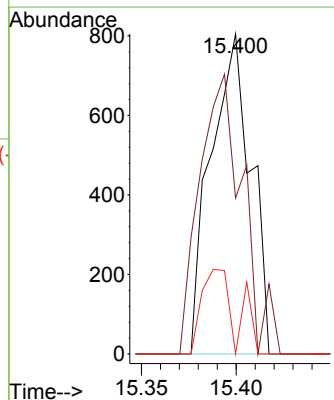
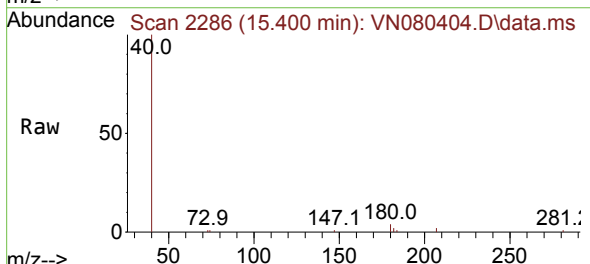
Instrument :
 MSVOA_N
 ClientSampleId :

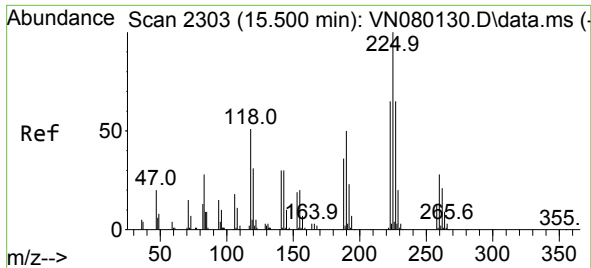
Tgt Ion: 75 Resp: 84304
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.428 ug/l
 RT: 15.400 min Scan# 2286
 Delta R.T. 0.006 min
 Lab File: VN080404.D
 Acq: 08 Dec 2023 14:13

Tgt Ion:180 Resp: 1180
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.1 138.2
 145 22.9 16.6 49.8

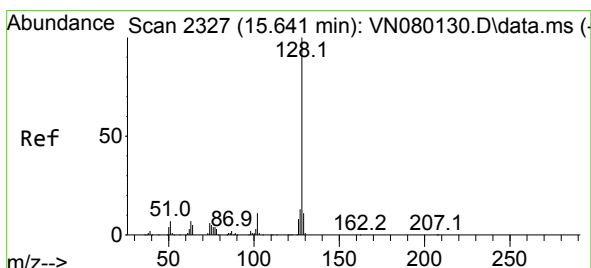
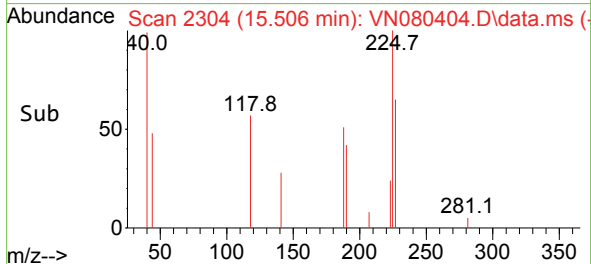
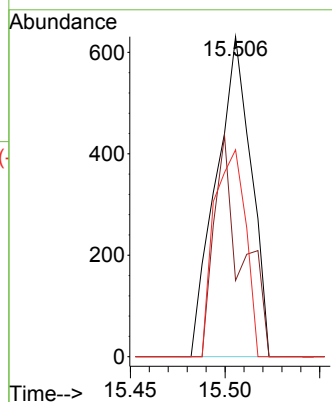
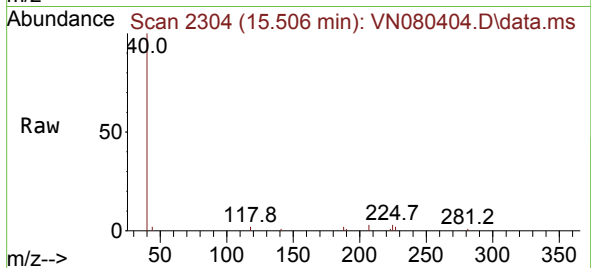




#94
Hexachlorobutadiene
Concen: 0.509 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

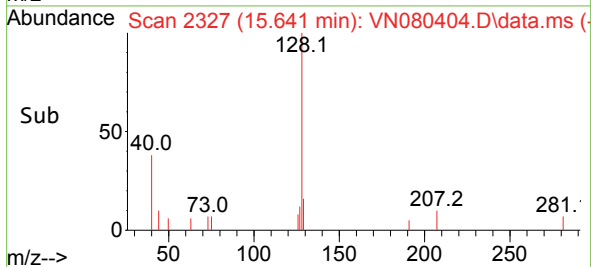
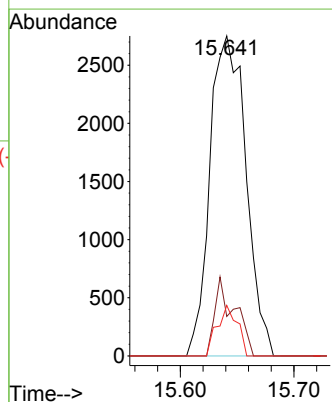
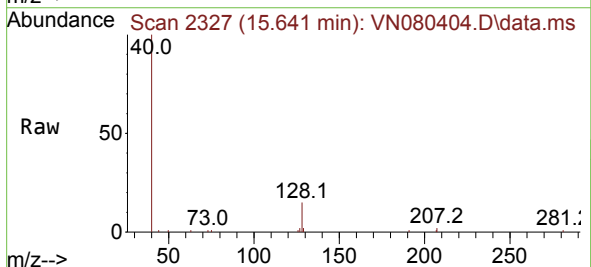
Instrument :
MSVOA_N
ClientSampleId :

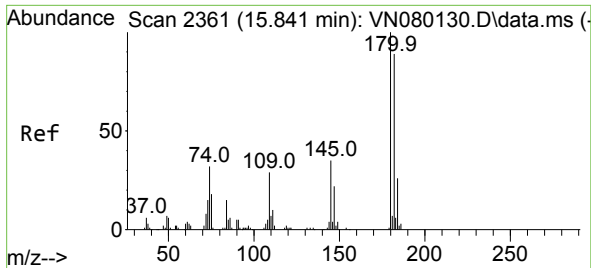
Tgt Ion:225 Resp: 808
Ion Ratio Lower Upper
225 100
223 55.0 31.3 93.8
227 58.2 31.9 95.9



#95
Naphthalene
Concen: 0.758 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080404.D
Acq: 08 Dec 2023 14:13

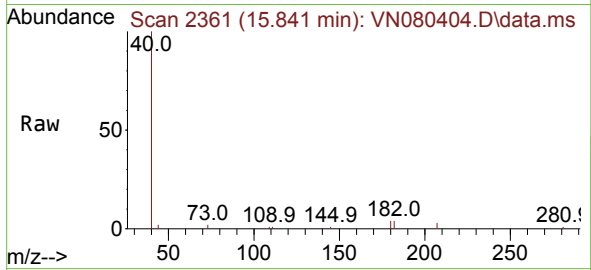
Tgt Ion:128 Resp: 6058
Ion Ratio Lower Upper
128 100
127 13.6 10.0 15.0
129 8.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.382 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN080404.D
 Acq: 08 Dec 2023 14:13

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	987
Ion Ratio	Lower	Upper	
180	100		
182	131.3	46.2	138.6
145	37.6	17.5	52.6

