

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120523\
 Data File : VN080364.D
 Acq On : 05 Dec 2023 14:23
 Operator : JC\MD
 Sample : 05622-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 06 00:51:51 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	164546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	302981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132096	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143584	52.848	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.700%
35) Dibromofluoromethane	8.165	113	115148	53.570	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.140%
50) Toluene-d8	10.570	98	391304	50.501	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.853	95	146609	50.093	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.180%

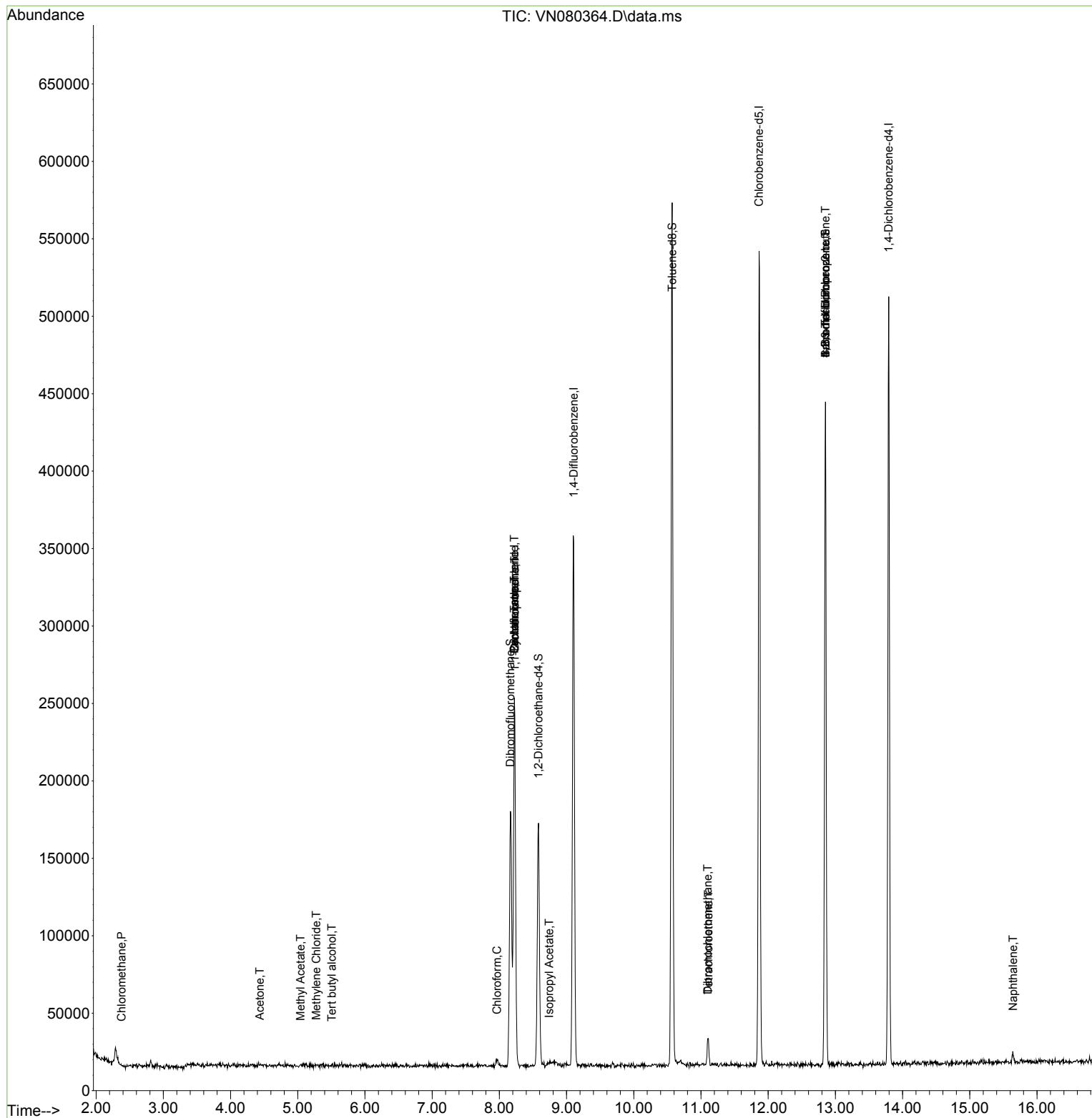
Target Compounds					Qvalue	
3) Chloromethane	2.377	50	423	0.230	ug/l #	42
6) Chloroethane	3.124	64	715	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	76	0.254	ug/l #	72
16) Acetone	4.436	43	421	0.461	ug/l #	40
18) Methyl Acetate	5.041	43	1113	0.380	ug/l #	75
20) Methylene Chloride	5.277	84	475	0.249	ug/l #	62
30) Chloroform	7.965	83	4514	1.145	ug/l	86
31) Cyclohexane	8.224	56	3585	1.213	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	13921	4.473	ug/l #	51
38) Carbon Tetrachloride	8.224	117	18162	4.599	ug/l #	15
43) Isopropyl Acetate	8.741	43	1809	0.431	ug/l #	49
60) Dibromochloromethane	11.100	129	4148	1.640	ug/l #	11
64) Tetrachloroethene	11.112	164	4449	1.924	ug/l #	82
71) Bromoform	12.853	173	799	0.404	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	82599	25.520	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82599	86.223	ug/l #	15
95) Naphthalene	15.647	128	6369	0.846	ug/l #	95

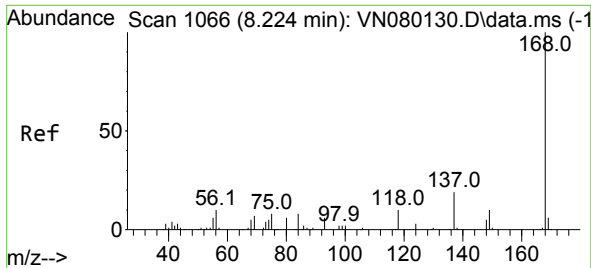
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

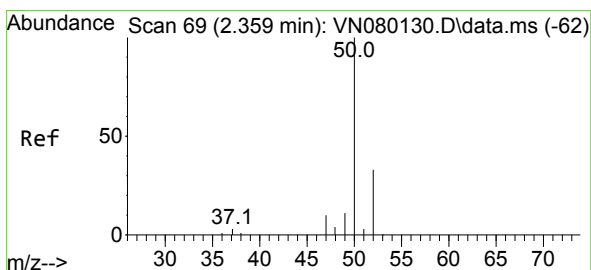
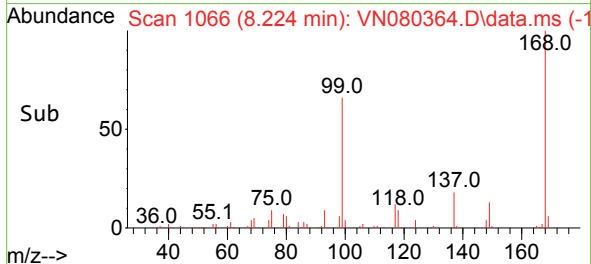
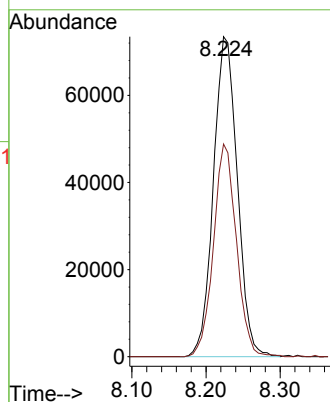
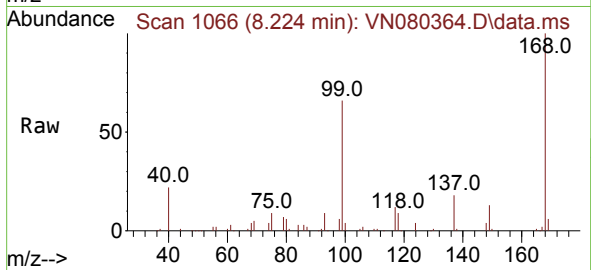




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

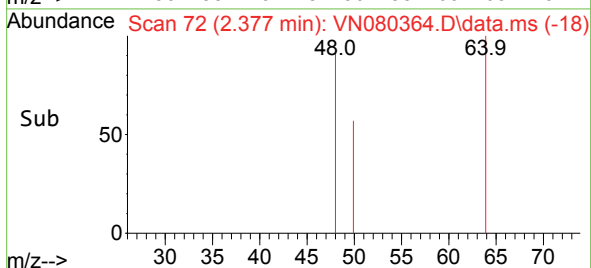
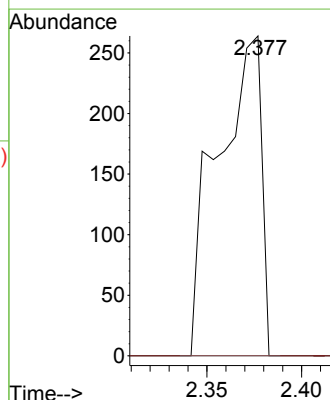
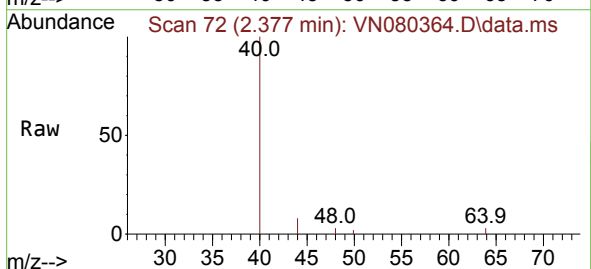
Instrument :
MSVOA_N
ClientSampleId :

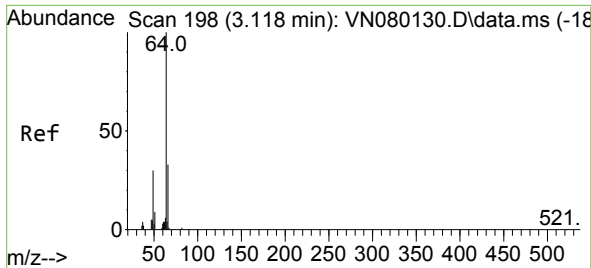
Tgt Ion:168 Resp: 164546
Ion Ratio Lower Upper
168 100
99 66.4 53.0 79.6



#3
Chloromethane
Concen: 0.230 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.017 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

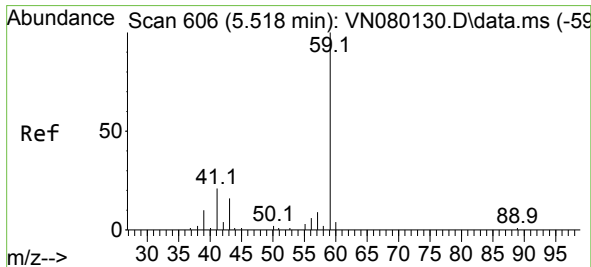
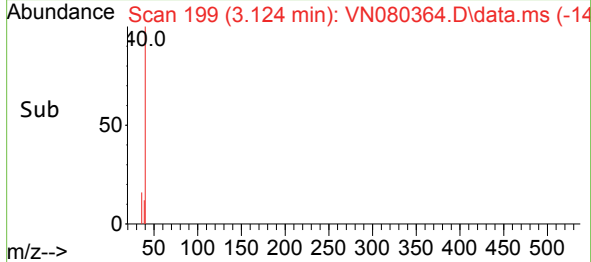
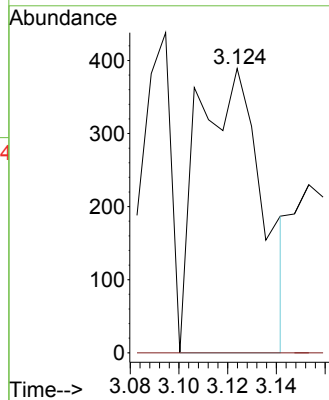
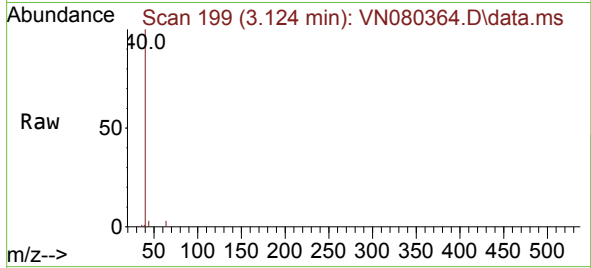




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

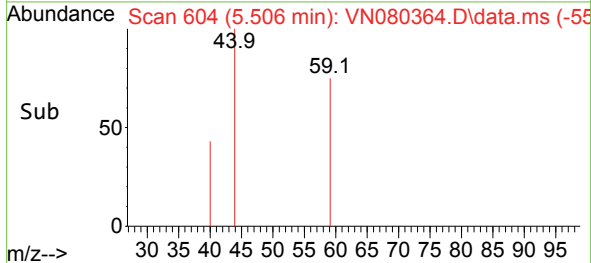
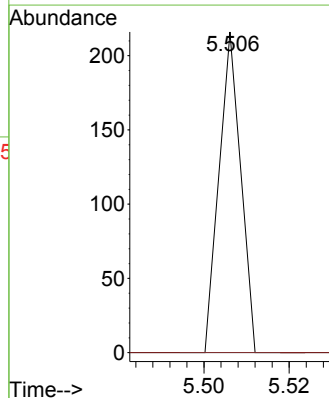
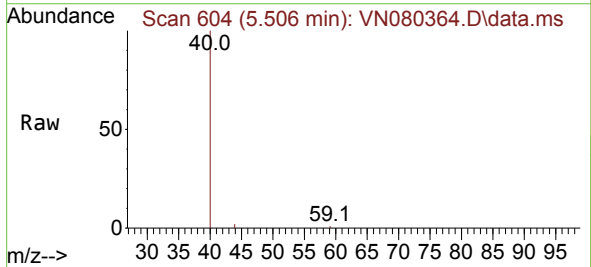
Instrument :
MSVOA_N
ClientSampleId :

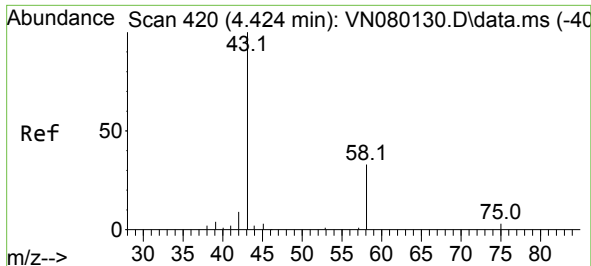
Tgt Ion: 64 Resp: 715
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.254 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

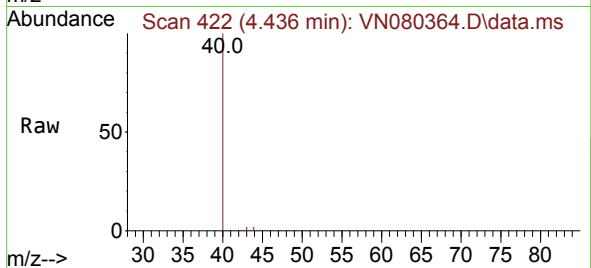
Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



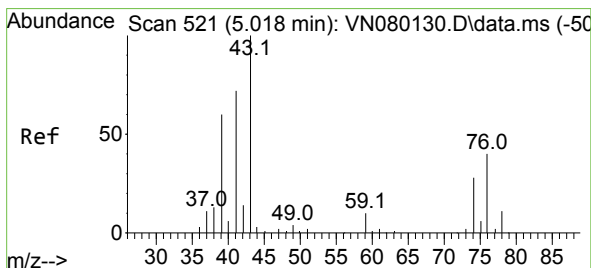
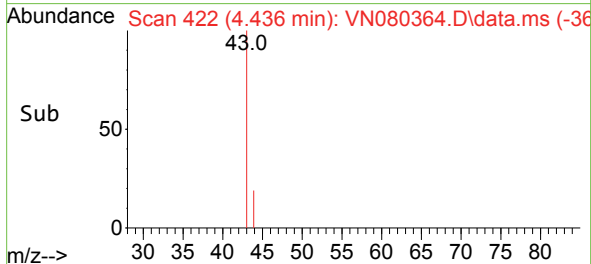
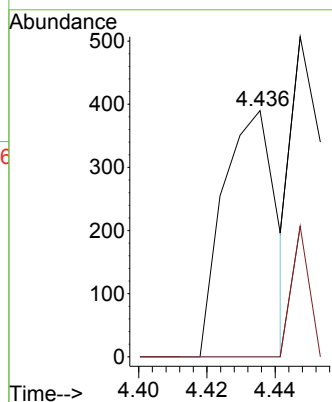


#16
Acetone
Concen: 0.461 ug/l
RT: 4.436 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

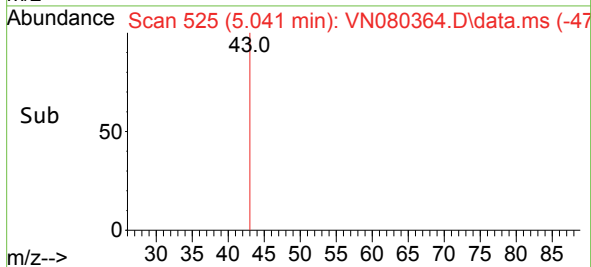
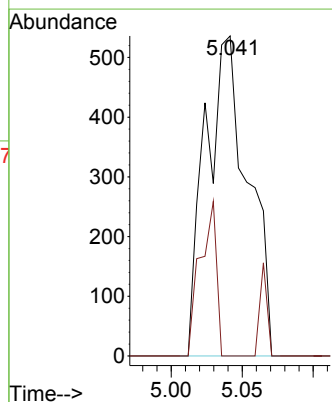
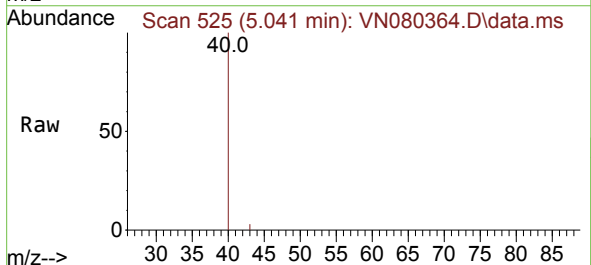


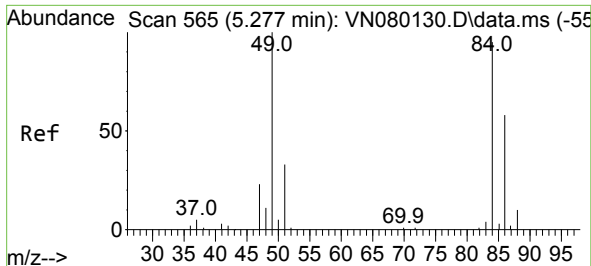
Tgt Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.380 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
74 18.7 26.2 39.4#

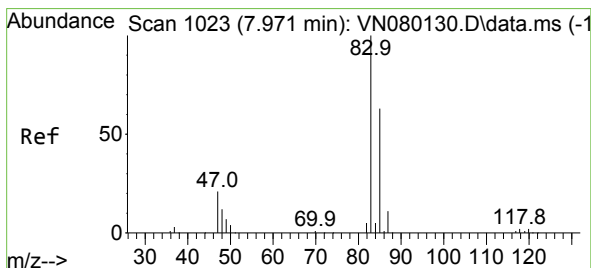
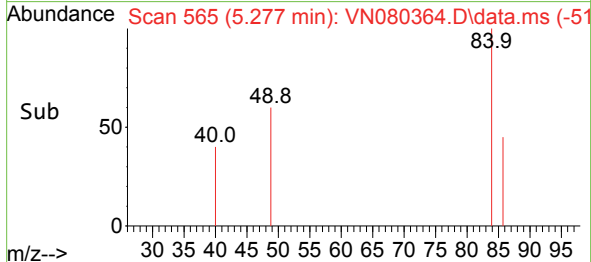
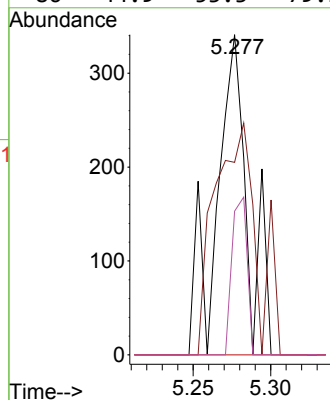
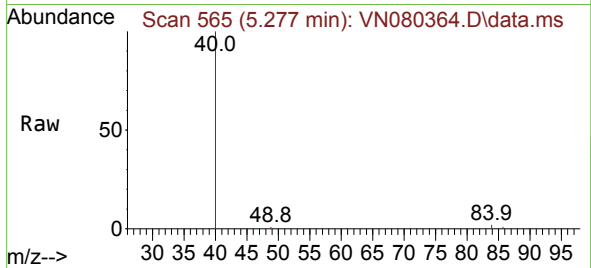




#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

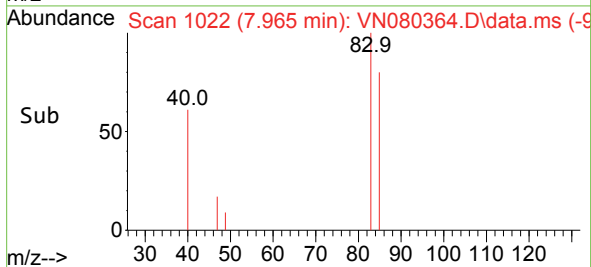
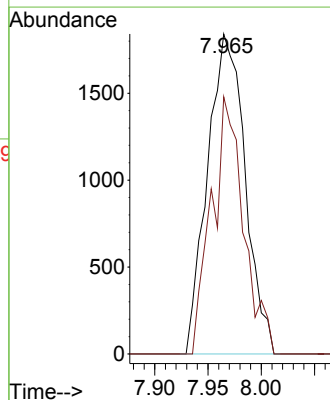
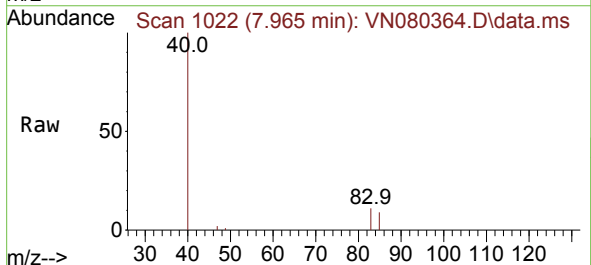
Instrument :
MSVOA_N
ClientSampleId :

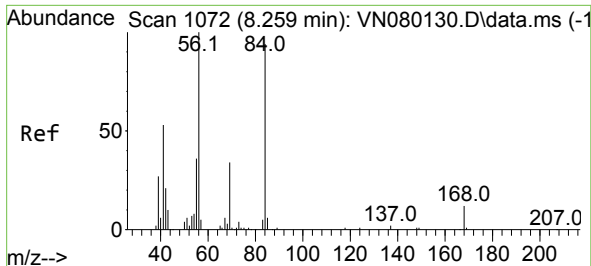
Tgt Ion: 84 Resp: 475
Ion Ratio Lower Upper
84 100
49 60.1 79.7 119.5#
51 0.0 25.2 37.8#
86 44.9 53.3 79.9#



#30
Chloroform
Concen: 1.145 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

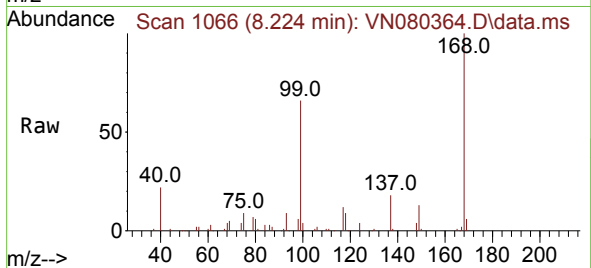
Tgt Ion: 83 Resp: 4514
Ion Ratio Lower Upper
83 100
85 80.3 55.4 83.0



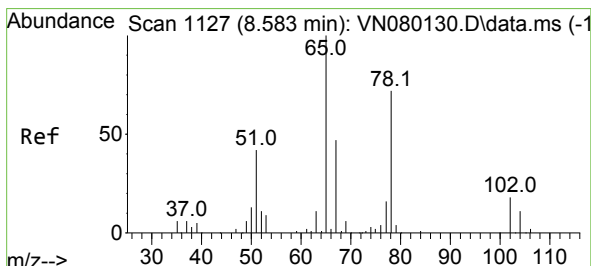
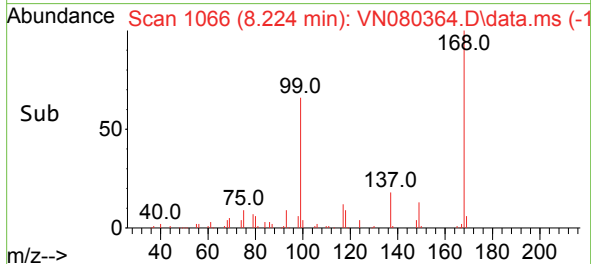
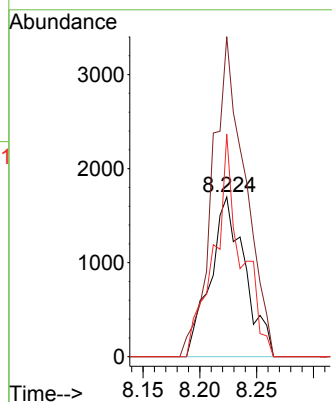


#31
Cyclohexane
Concen: 1.213 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

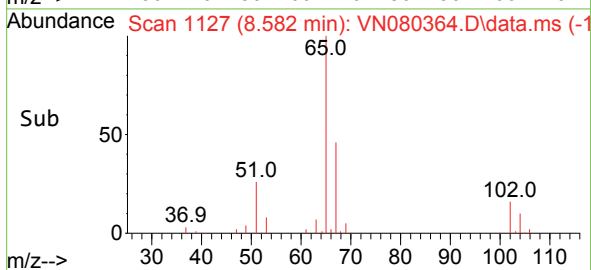
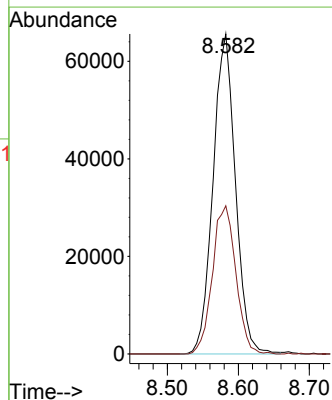
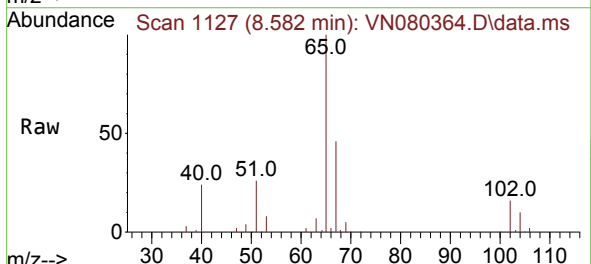


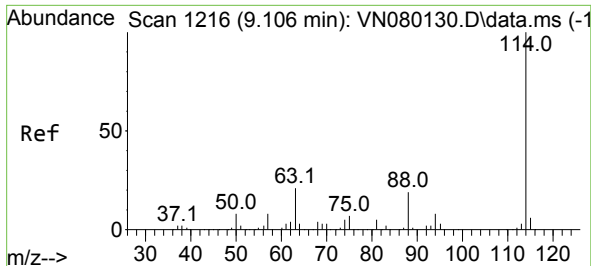
Tgt Ion: 56 Resp: 3585
Ion Ratio Lower Upper
56 100
69 200.3 26.8 40.2#
84 139.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 52.848 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

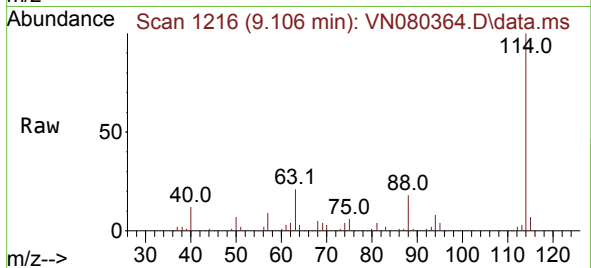
Tgt Ion: 65 Resp: 143584
Ion Ratio Lower Upper
65 100
67 48.5 0.0 106.6



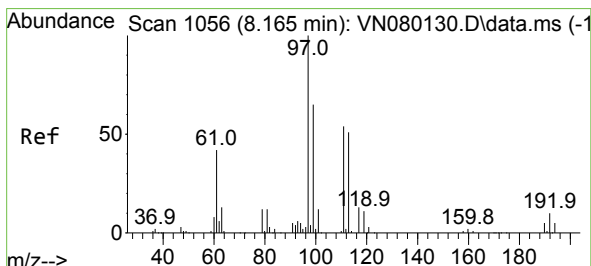
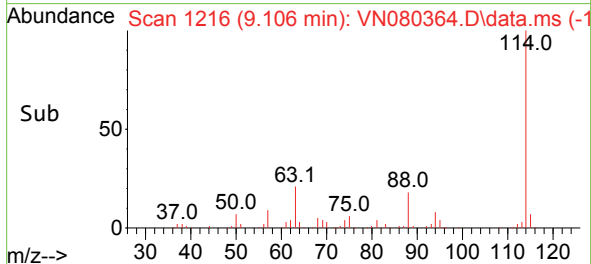
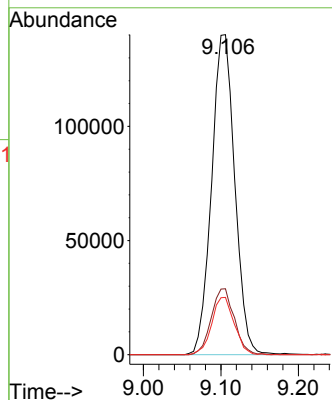


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

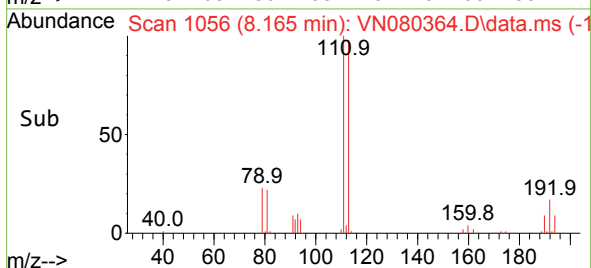
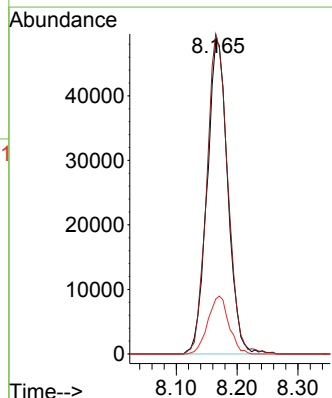
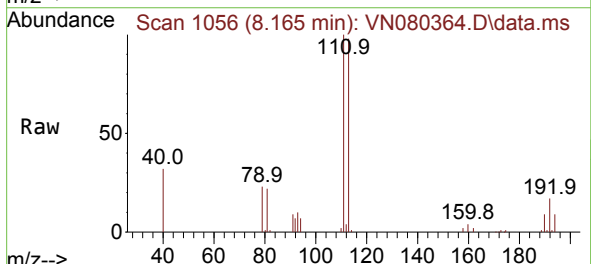


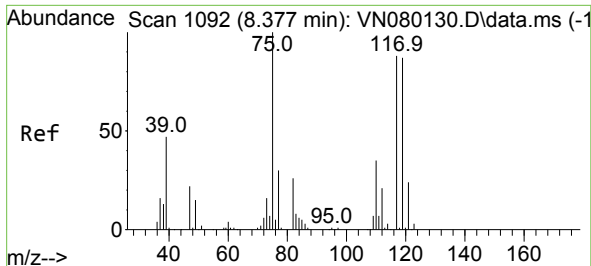
Tgt Ion:114 Resp: 291311
Ion Ratio Lower Upper
114 100
63 20.6 0.0 36.4
88 17.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.570 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

Tgt Ion:113 Resp: 115148
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 18.6 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.473 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

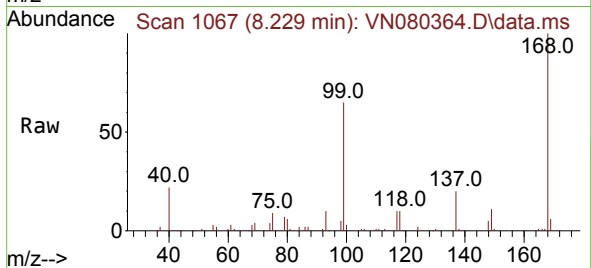
Lab File: VN080364.D

Acq: 05 Dec 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :



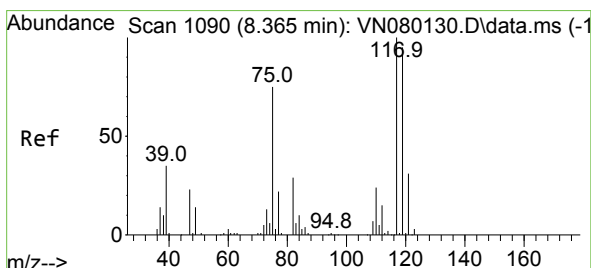
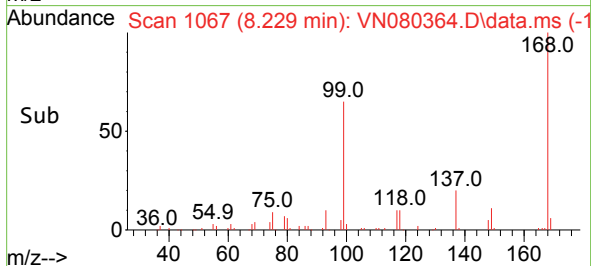
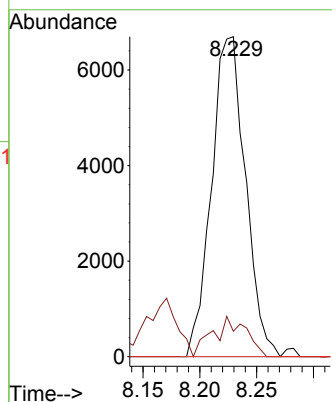
Tgt Ion: 75 Resp: 13921

Ion Ratio Lower Upper

75 100

110 12.3 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.599 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080364.D

Acq: 05 Dec 2023 14:23

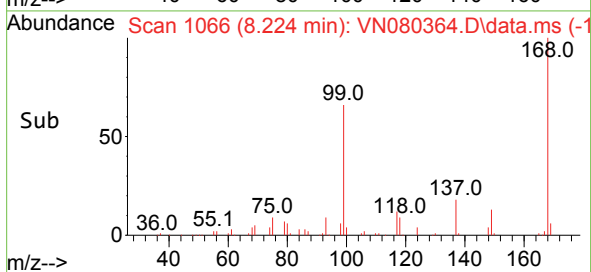
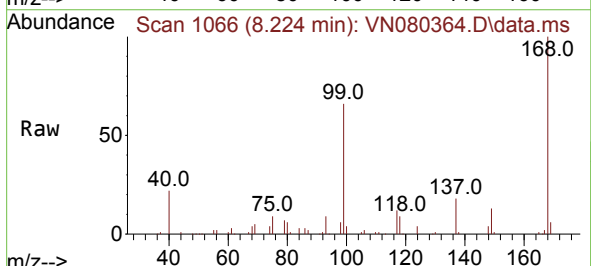
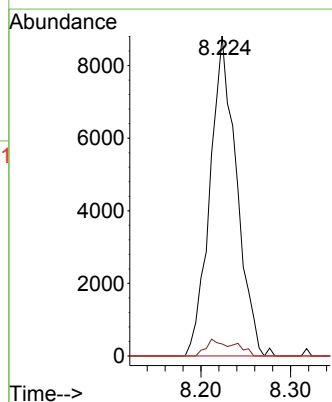
Tgt Ion: 117 Resp: 18162

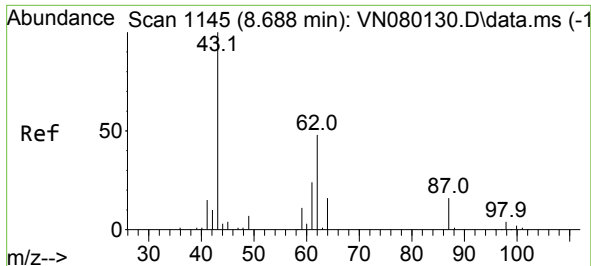
Ion Ratio Lower Upper

117 100

119 3.8 77.3 115.9#

121 0.0 23.3 34.9#

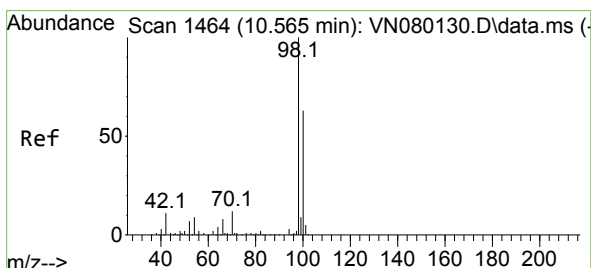
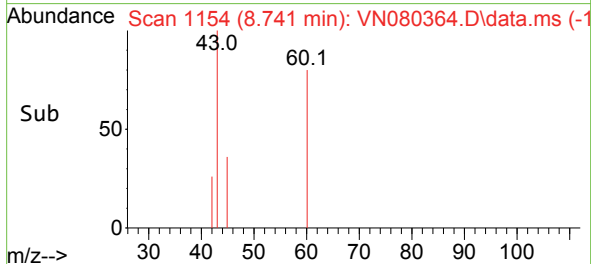
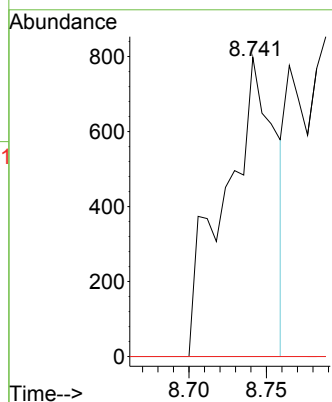
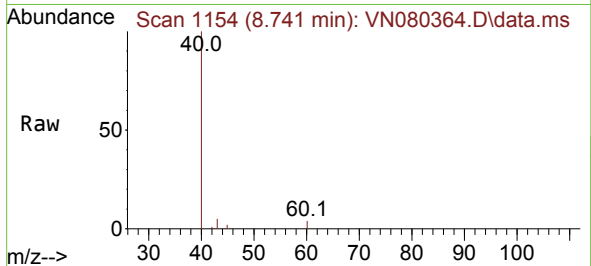




#43
Isopropyl Acetate
Concen: 0.431 ug/l
RT: 8.741 min Scan# 1145
Delta R.T. 0.053 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

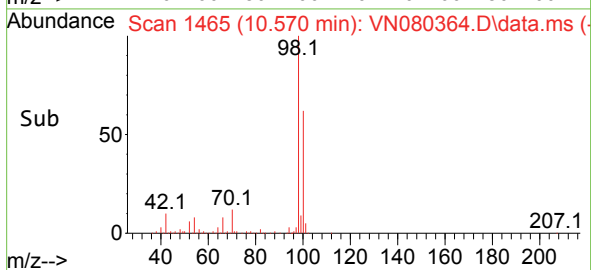
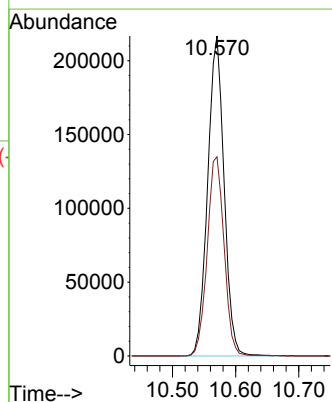
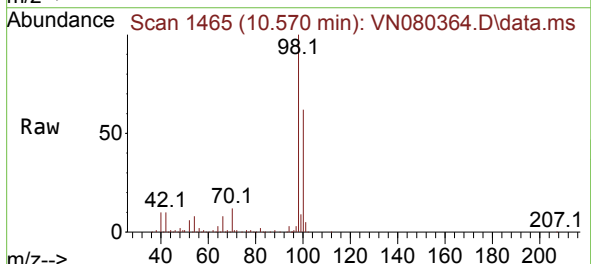
Instrument :
MSVOA_N
ClientSampleId :

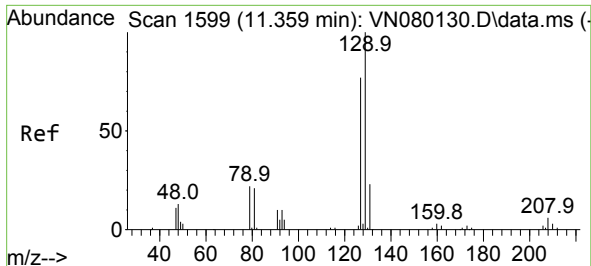
Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 50.501 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

Tgt Ion: 98 Resp: 391304
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

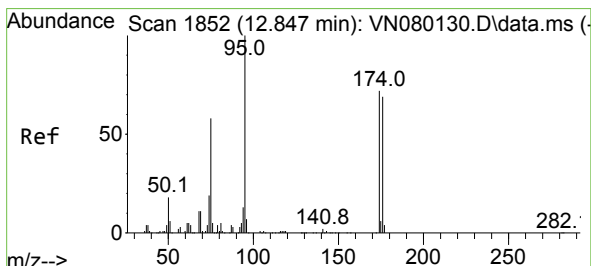
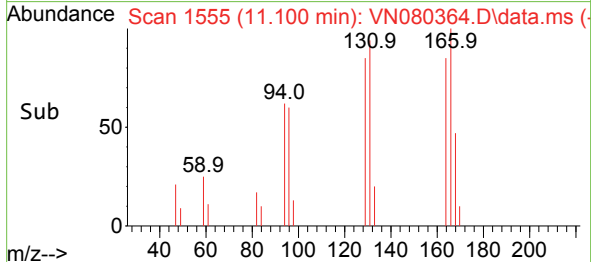
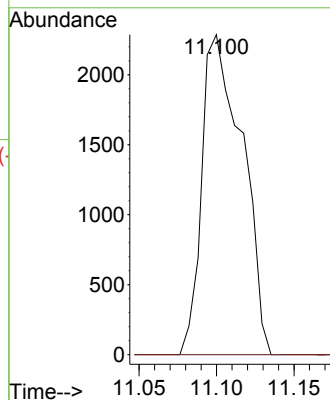
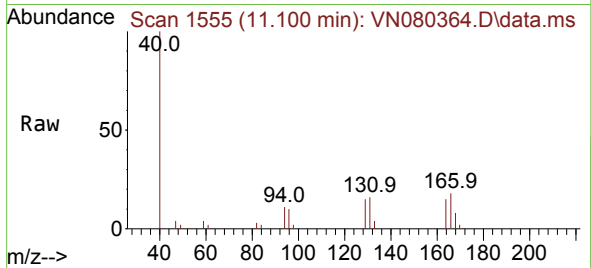




#60
Dibromochloromethane
Concen: 1.640 ug/l
RT: 11.100 min Scan# 1110
Delta R.T. -0.259 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

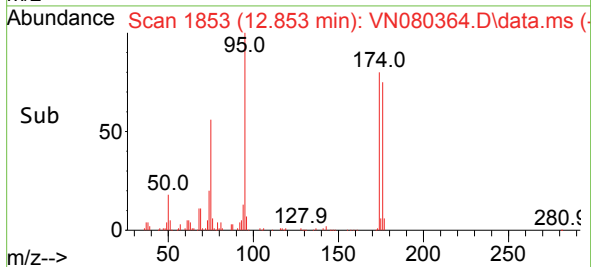
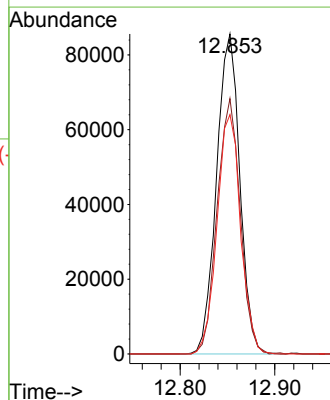
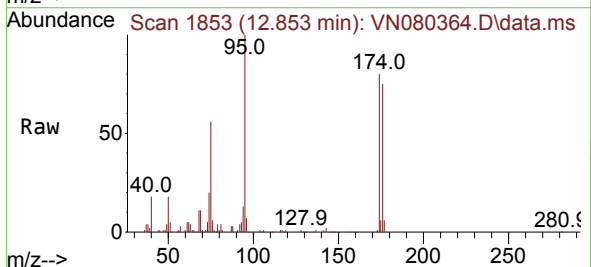
Instrument :
MSVOA_N
ClientSampleId :

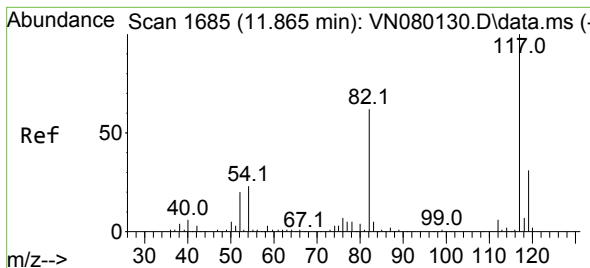
Tgt Ion:129 Resp: 4148
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 50.093 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

Tgt Ion: 95 Resp: 146609
Ion Ratio Lower Upper
95 100
174 78.9 0.0 143.8
176 75.6 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080364.D

Acq: 05 Dec 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

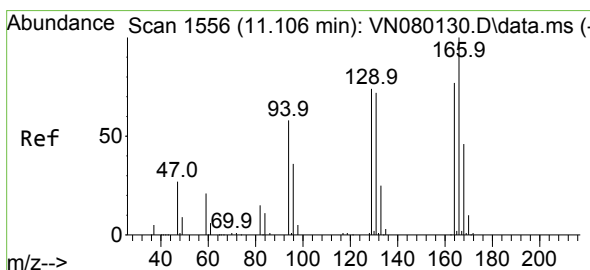
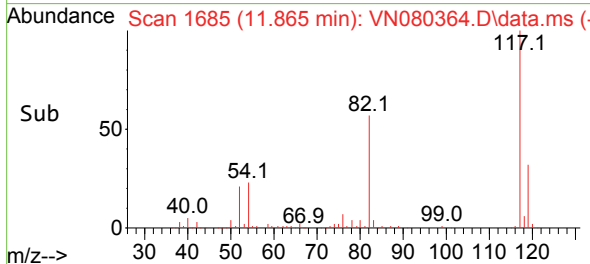
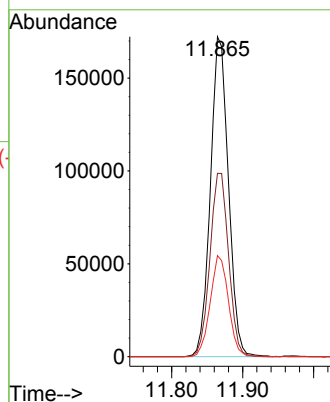
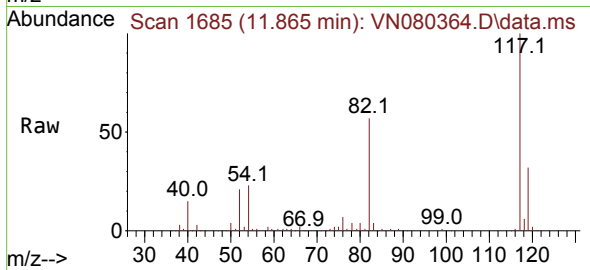
Tgt Ion:117 Resp: 302981

Ion Ratio Lower Upper

117 100

82 57.3 44.0 66.0

119 31.6 25.6 38.4



#64

Tetrachloroethene

Concen: 1.924 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.006 min

Lab File: VN080364.D

Acq: 05 Dec 2023 14:23

Tgt Ion:164 Resp: 4449

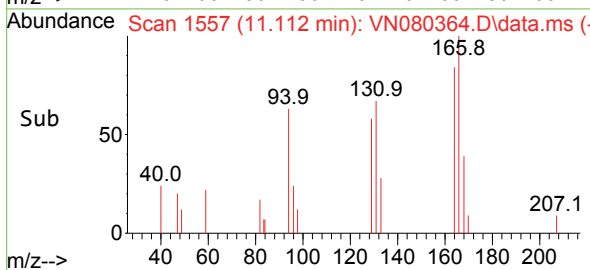
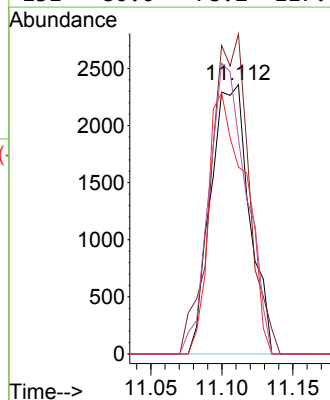
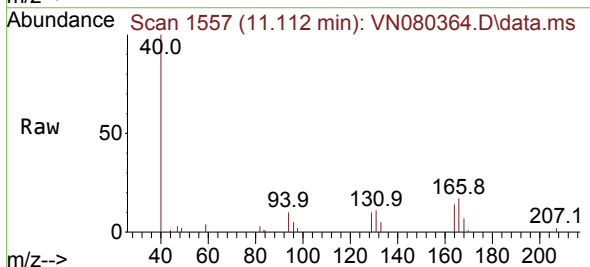
Ion Ratio Lower Upper

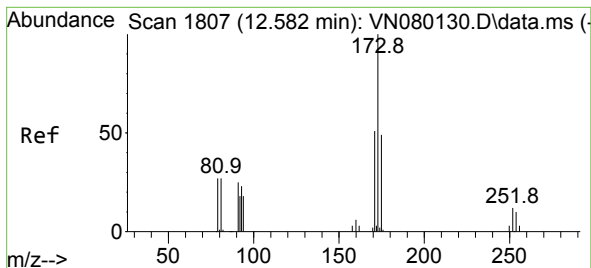
164 100

166 118.8 101.4 152.0

129 69.4 82.4 123.6#

131 80.0 78.2 117.4





#71

Bromoform

Concen: 0.404 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN080364.D

Acq: 05 Dec 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

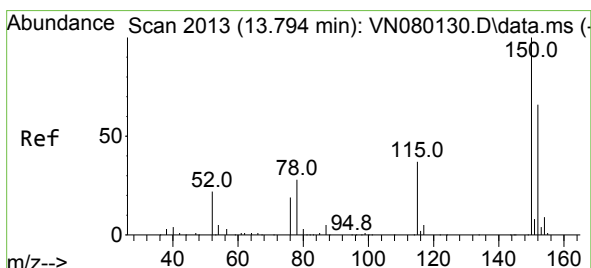
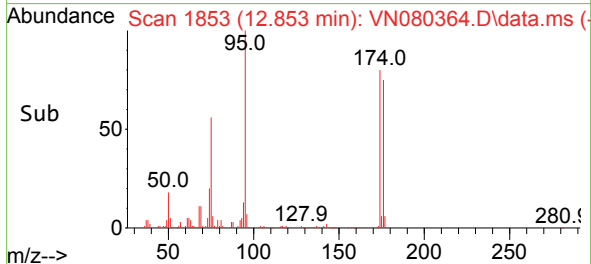
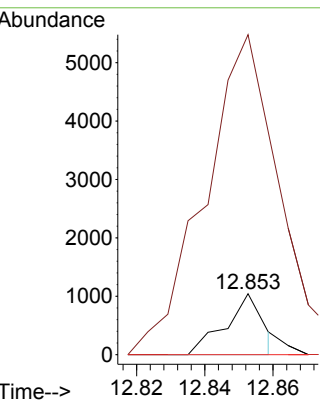
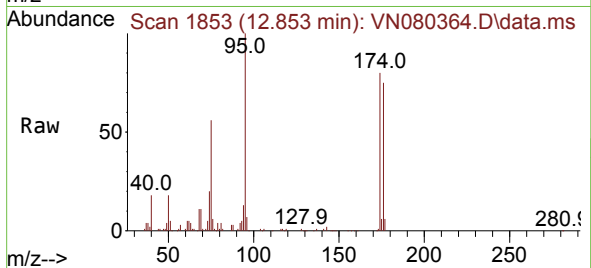
Tgt Ion:173 Resp: 799

Ion Ratio Lower Upper

173 100

175 880.7 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: VN080364.D

Acq: 05 Dec 2023 14:23

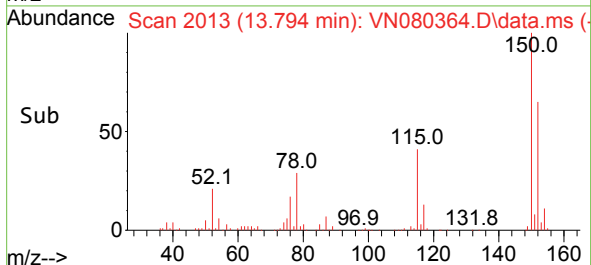
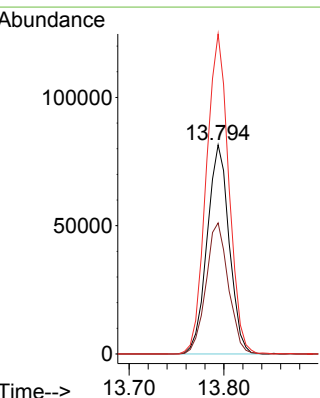
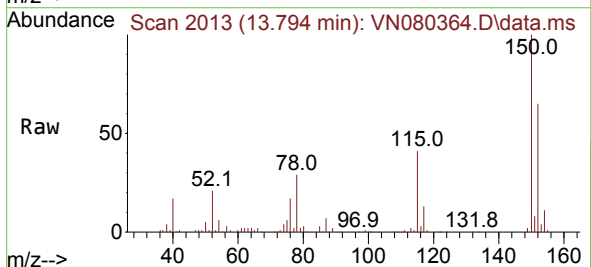
Tgt Ion:152 Resp: 132096

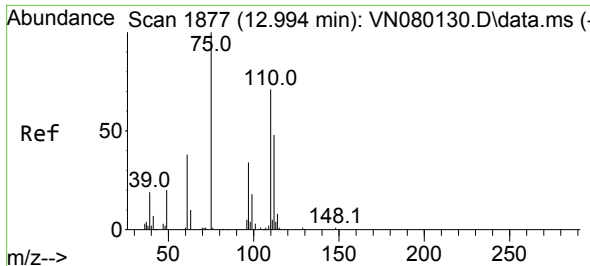
Ion Ratio Lower Upper

152 100

115 63.4 32.3 96.8

150 155.8 0.0 355.8

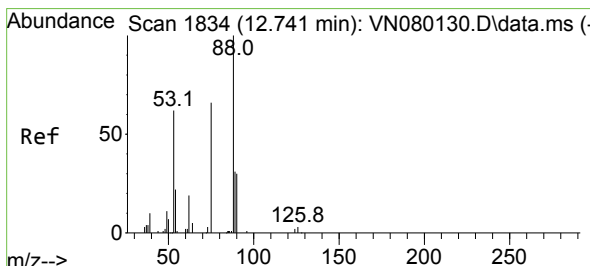
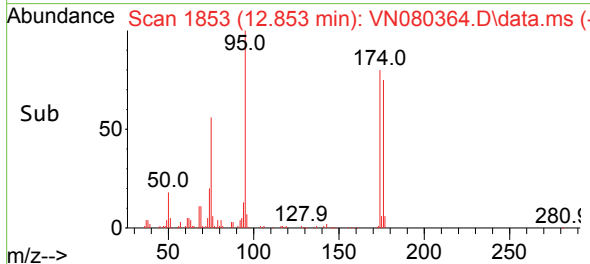
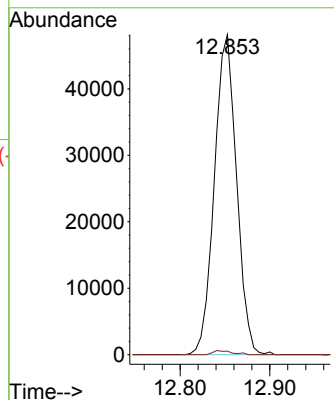
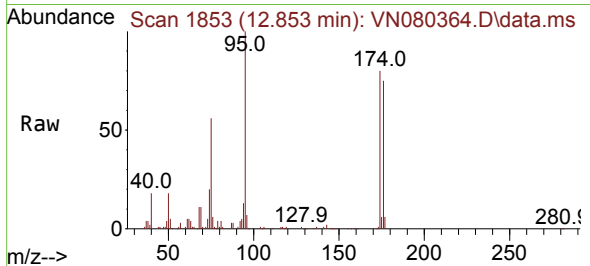




#76
1,2,3-Trichloropropane
Concen: 25.520 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

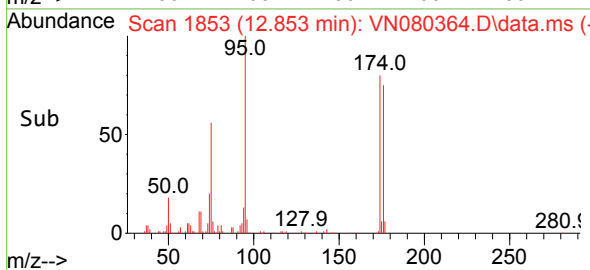
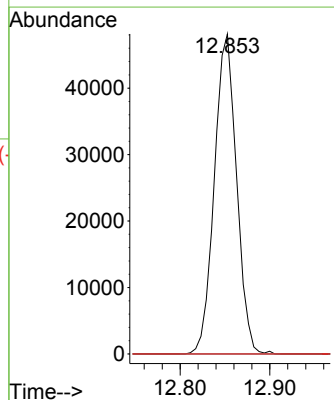
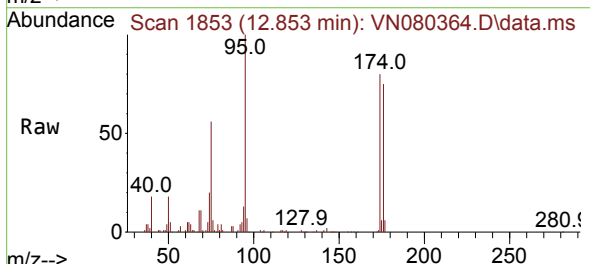
Instrument :
MSVOA_N
ClientSampleId :

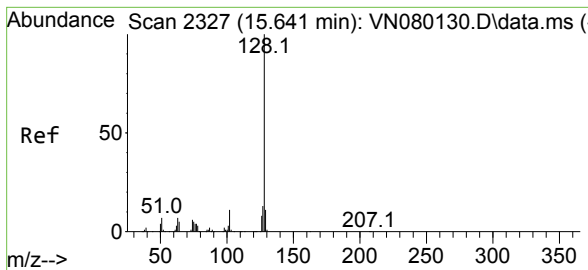
Tgt Ion: 75 Resp: 82599
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.223 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080364.D
Acq: 05 Dec 2023 14:23

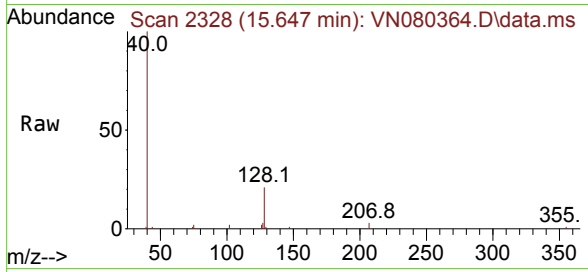
Tgt Ion: 75 Resp: 82599
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
 Naphthalene
 Concen: 0.846 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080364.D
 Acq: 05 Dec 2023 14:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	6369
Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.0	15.0#
129	9.9	8.7	13.1

