

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121523\
 Data File : VN080497.D
 Acq On : 15 Dec 2023 10:50
 Operator : JC\MD
 Sample : VN1215WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 02:49:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

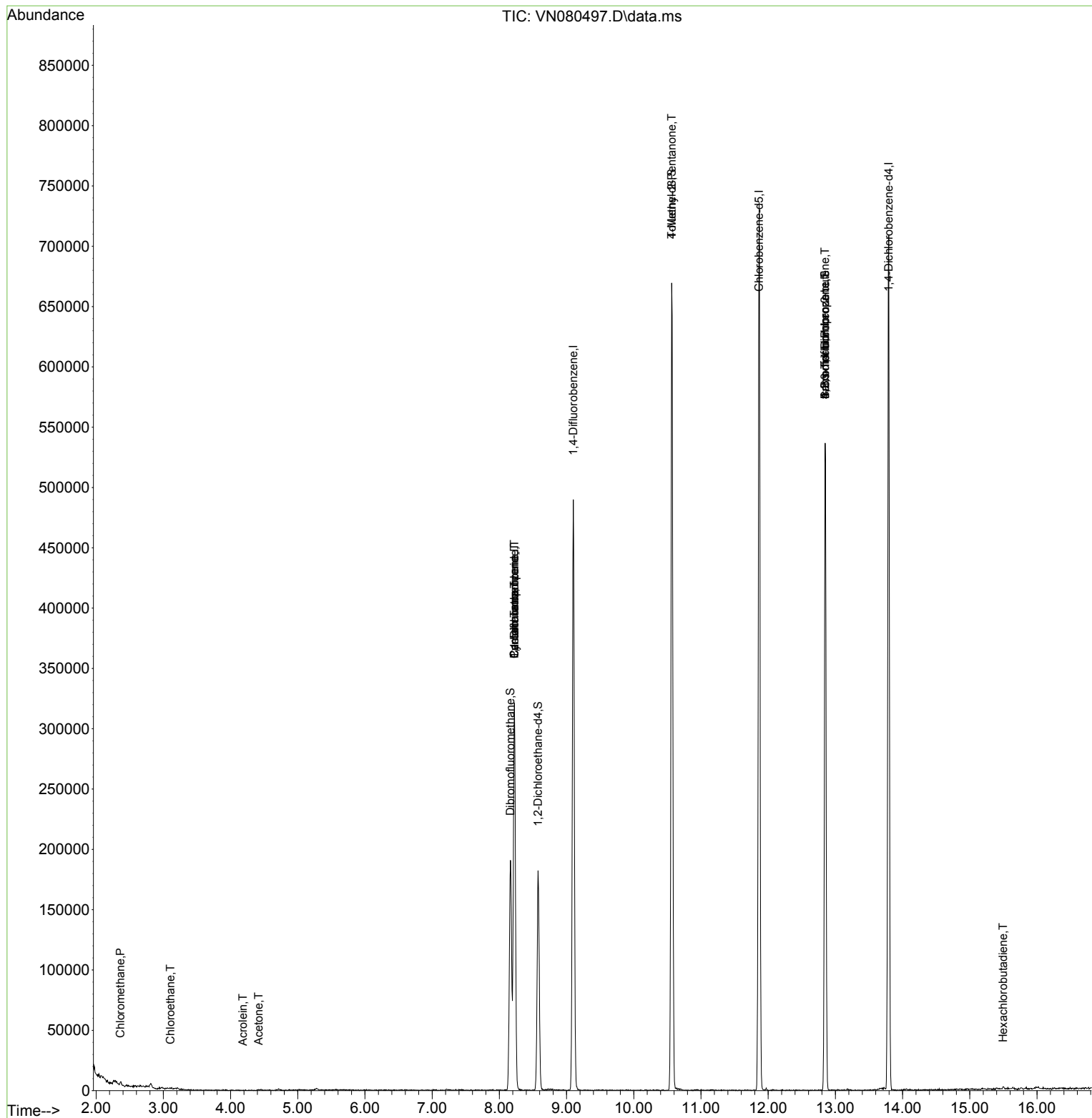
Internal Standards						
1) Pentafluorobenzene	8.224	168	222596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	412513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	423919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	187510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	162016	56.987	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.980%	
35) Dibromofluoromethane	8.165	113	133651	51.100	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.200%	
50) Toluene-d8	10.565	98	470648	48.250	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.500%	
62) 4-Bromofluorobenzene	12.847	95	187680	50.669	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.340%	
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	3629	0.824	ug/l #	87
6) Chloroethane	3.106	64	338	0.217	ug/l #	43
13) Acrolein	4.183	56	88	0.240	ug/l	92
16) Acetone	4.418	43	1077	2.136	ug/l #	40
31) Cyclohexane	8.224	56	4509	1.166	ug/l #	25
36) 1,1-Dichloropropene	8.224	75	19381	4.532	ug/l #	46
38) Carbon Tetrachloride	8.224	117	24107	4.718	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	1864	0.703	ug/l #	1
71) Bromoform	12.847	173	741	0.275	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	103914	27.779	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	103914	72.936	ug/l #	15
94) Hexachlorobutadiene	15.494	225	723	0.369	ug/l #	69

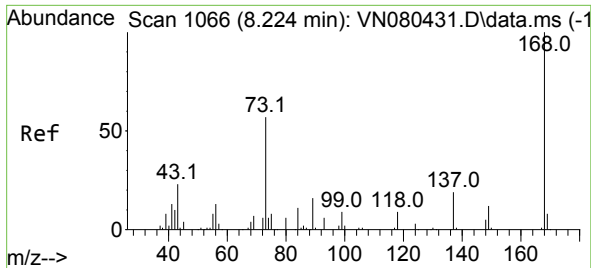
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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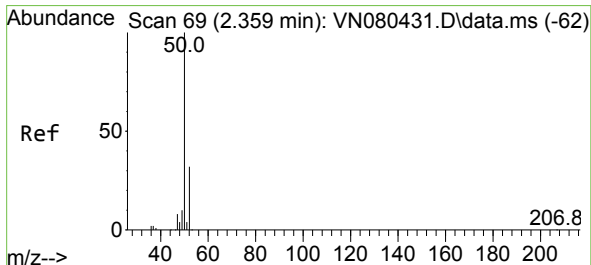
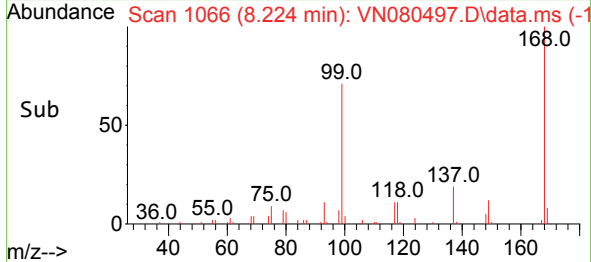
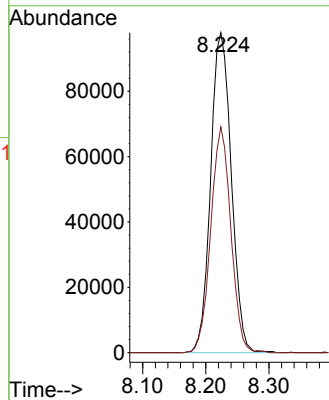
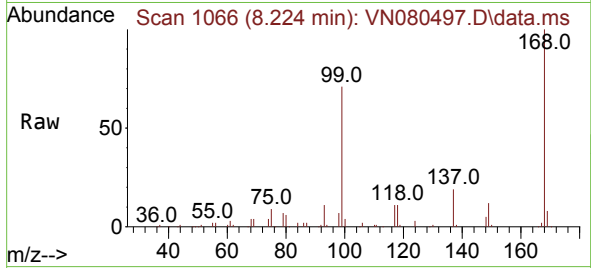




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

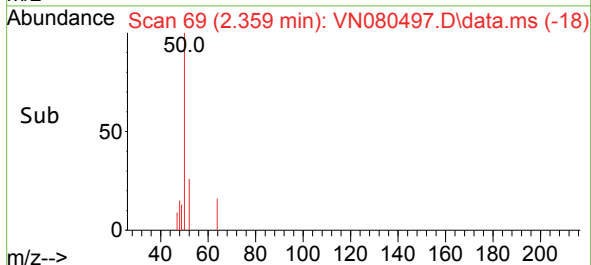
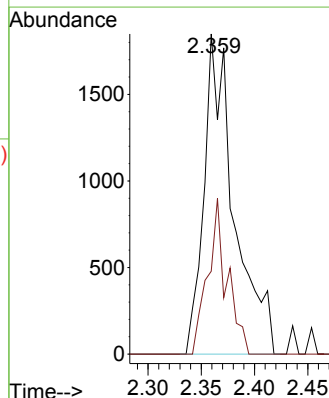
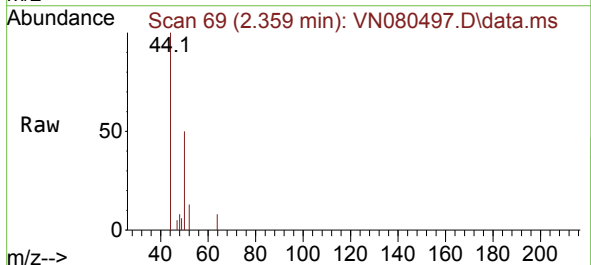
Instrument :
MSVOA_N
ClientSampleId :

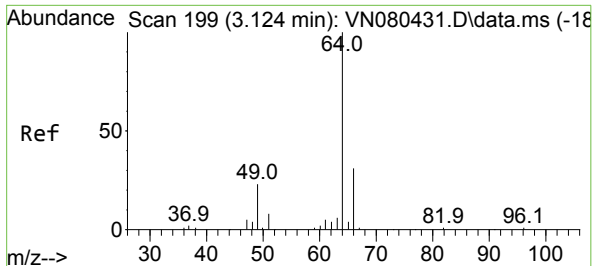
Tgt Ion:168 Resp: 222596
Ion Ratio Lower Upper
168 100
99 70.6 53.0 79.6



#3
Chloromethane
Concen: 0.824 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

Tgt Ion: 50 Resp: 3629
Ion Ratio Lower Upper
50 100
52 25.9 26.5 39.7#

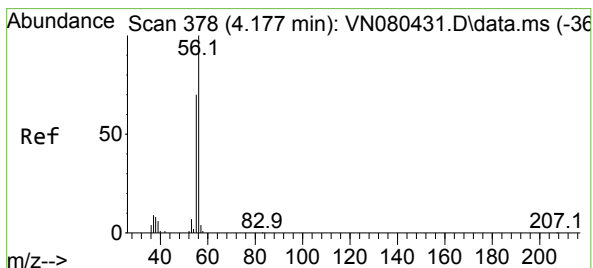
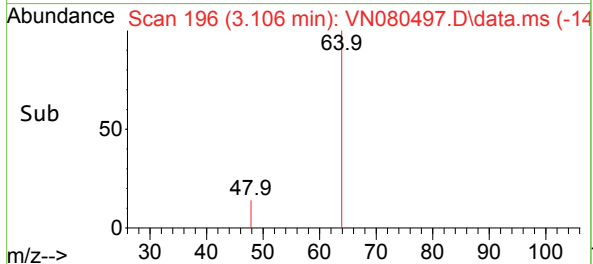
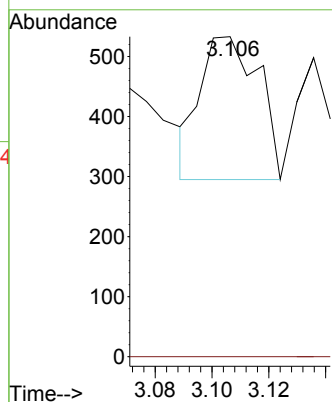
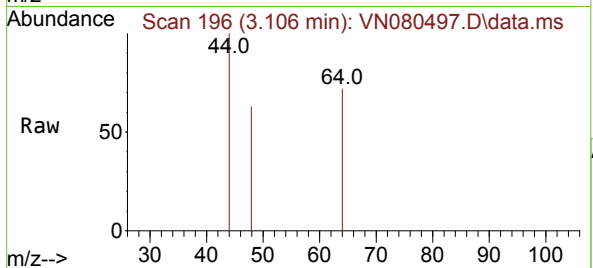




#6
Chloroethane
Concen: 0.217 ug/l
RT: 3.106 min Scan# 19
Delta R.T. -0.018 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

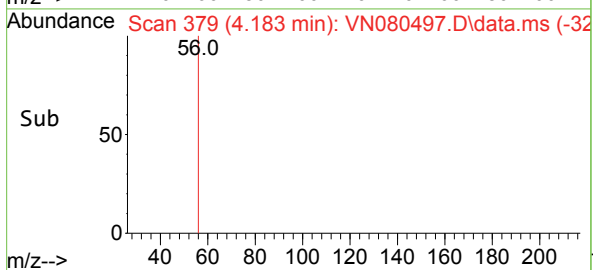
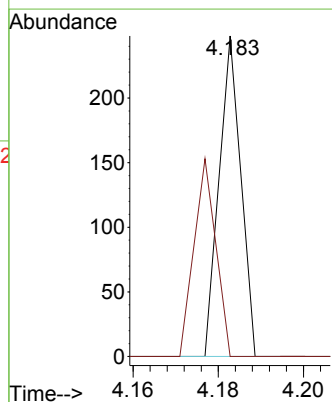
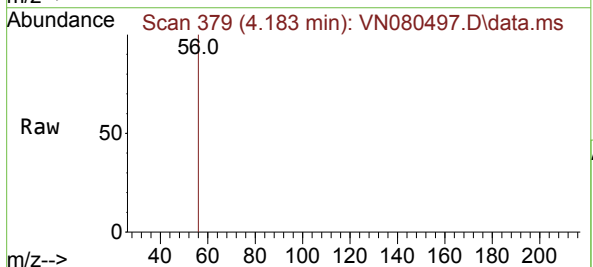
Instrument :
MSVOA_N
ClientSampleId :

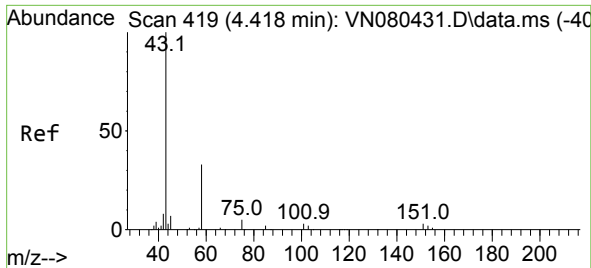
Tgt Ion: 64 Resp: 338
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.240 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 61.4 54.5 81.7

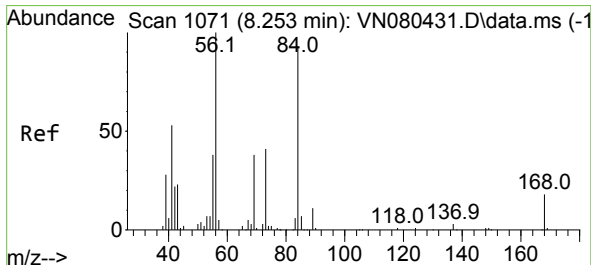
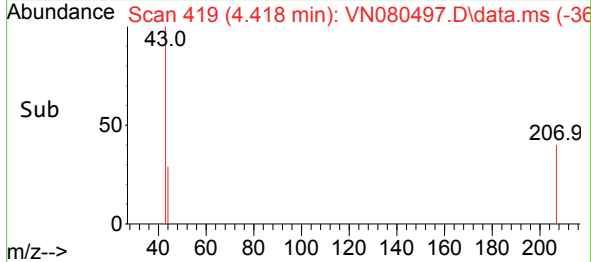
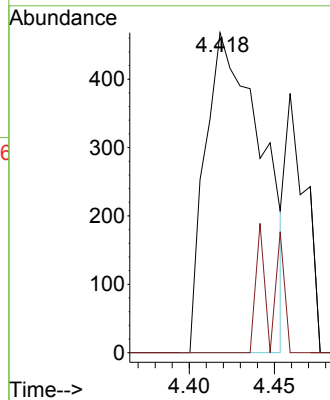
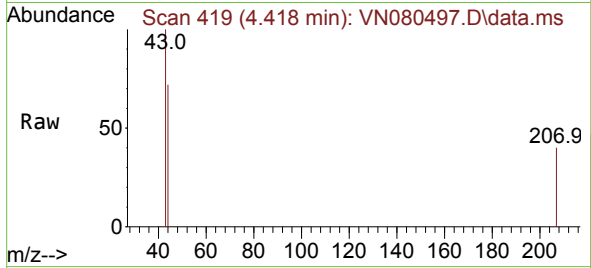




#16
Acetone
Concen: 2.136 ug/l
RT: 4.418 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

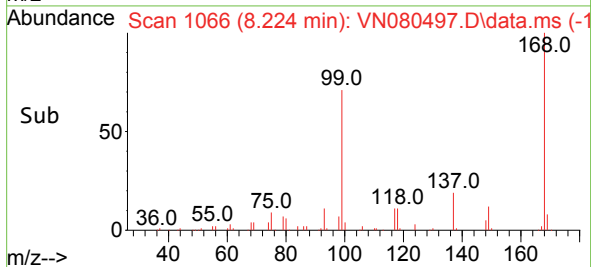
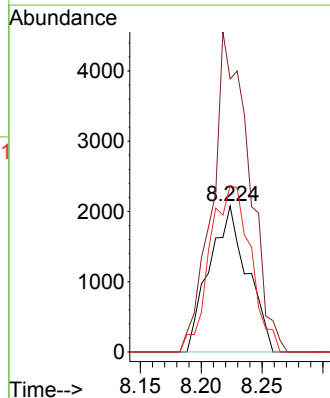
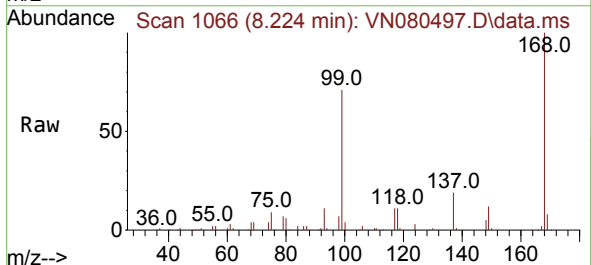
Instrument :
MSVOA_N
ClientSampleId :

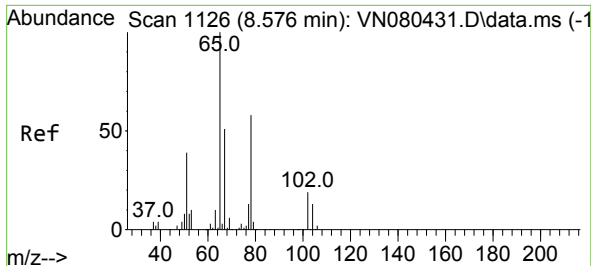
Tgt Ion: 43 Resp: 1077
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.166 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

Tgt Ion: 56 Resp: 4509
Ion Ratio Lower Upper
56 100
69 187.1 26.8 40.2#
84 114.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 56.987 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080497.D

Acq: 15 Dec 2023 10:50

Instrument :

MSVOA_N

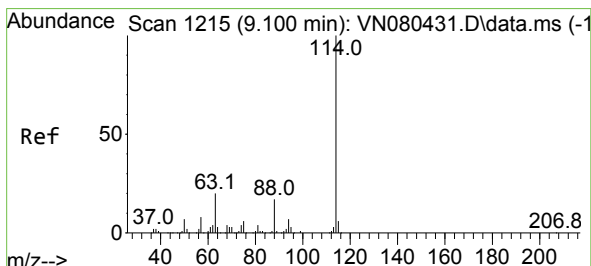
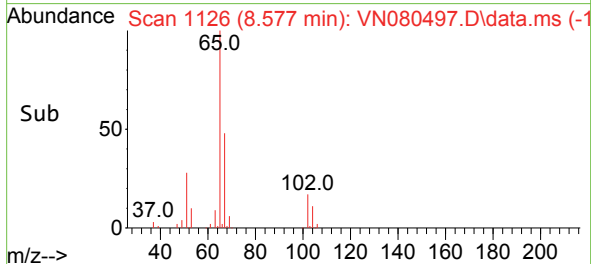
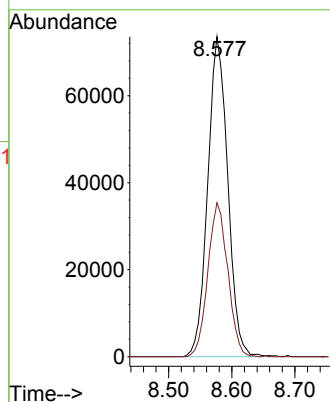
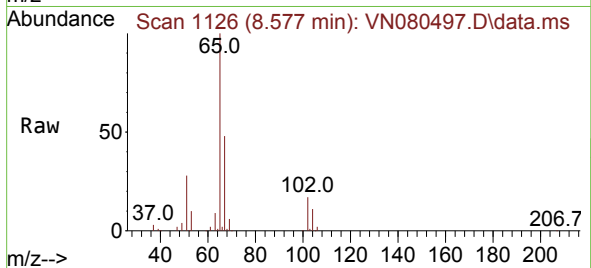
ClientSampleId :

Tgt Ion: 65 Resp: 162016

Ion Ratio Lower Upper

65 100

67 47.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080497.D

Acq: 15 Dec 2023 10:50

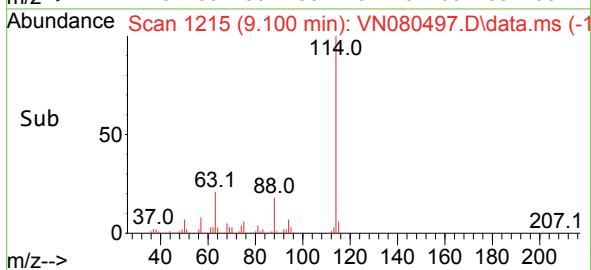
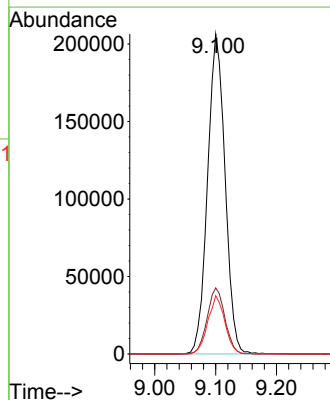
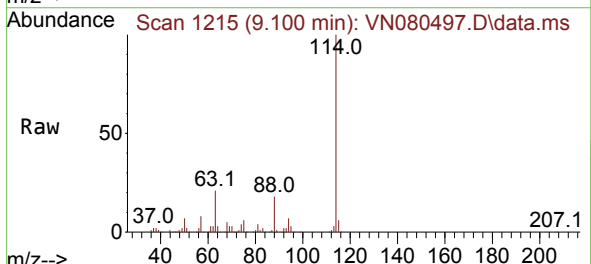
Tgt Ion: 114 Resp: 412513

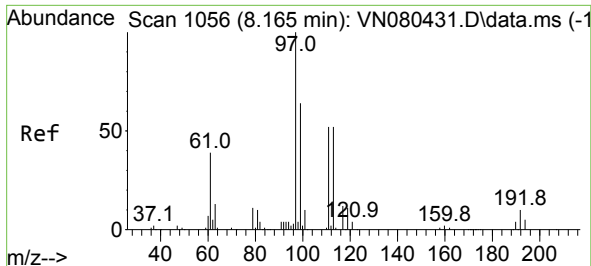
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

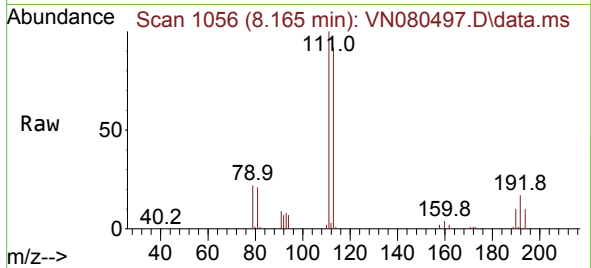
88 18.2 0.0 30.6



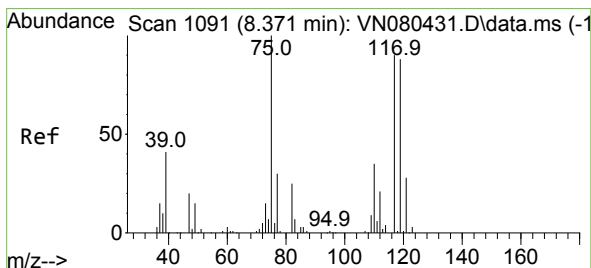
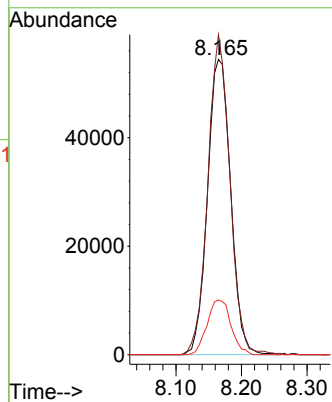
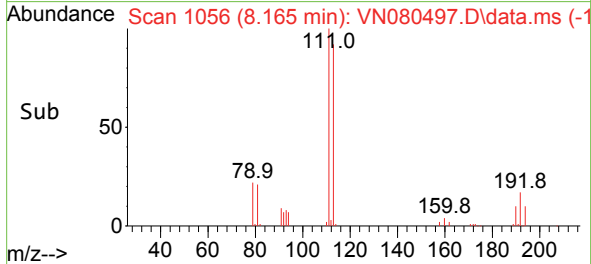


#35
Dibromofluoromethane
Concen: 51.100 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

Instrument :
MSVOA_N
ClientSampleId :

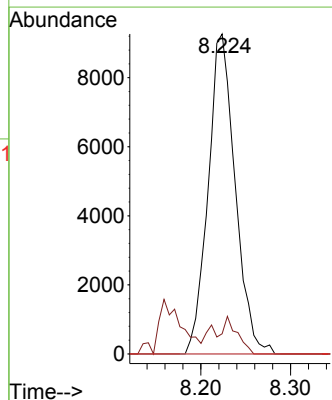
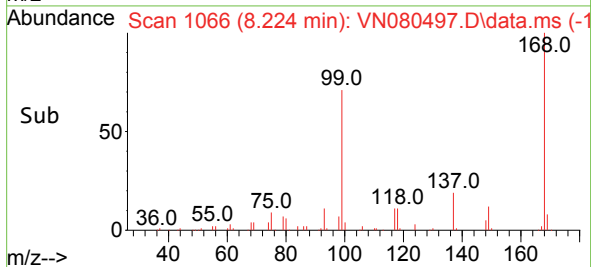
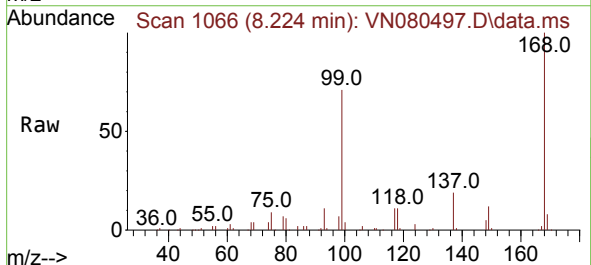


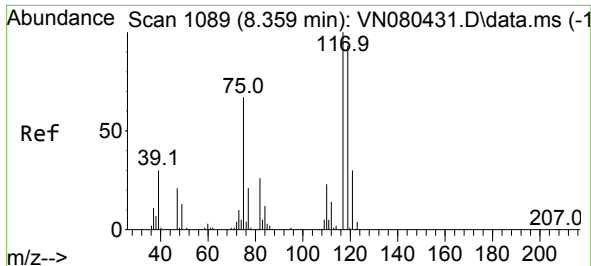
Tgt Ion:113 Resp: 133651
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 19.1 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.532 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

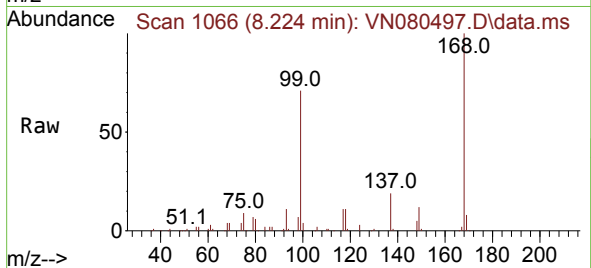
Tgt Ion: 75 Resp: 19381
Ion Ratio Lower Upper
75 100
110 6.4 19.1 57.3#
77 0.0 25.0 37.4#



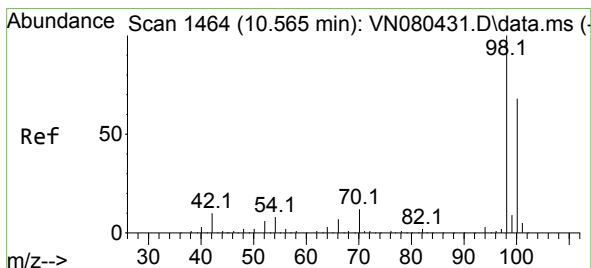
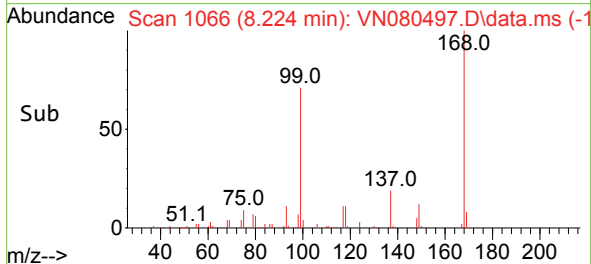
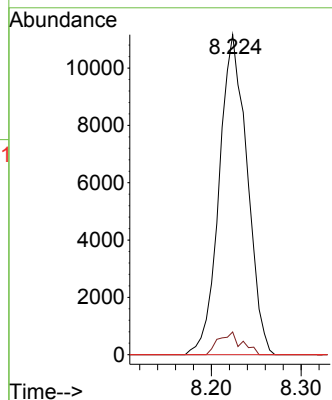


#38
Carbon Tetrachloride
Concen: 4.718 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

Instrument :
MSVOA_N
ClientSampleId :

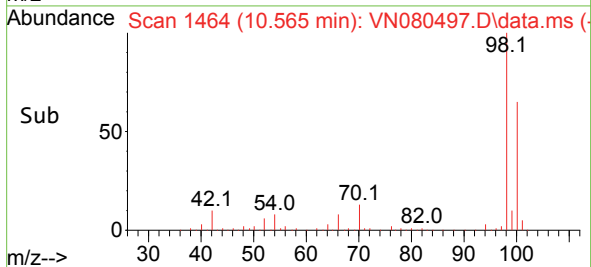
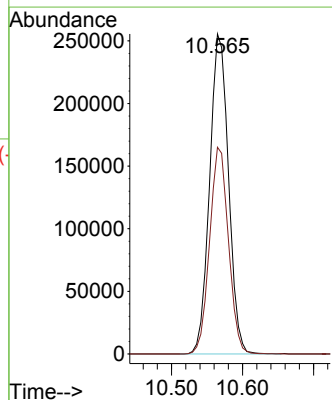
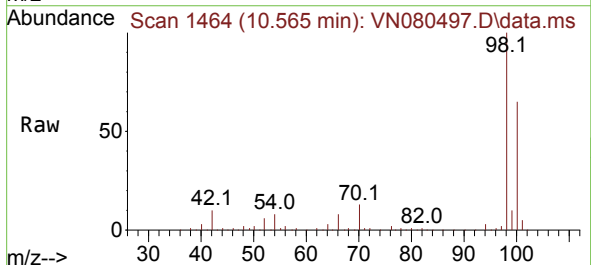


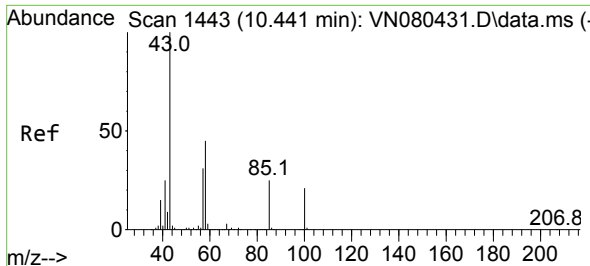
Tgt Ion:117 Resp: 24107
Ion Ratio Lower Upper
117 100
119 7.1 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 48.250 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

Tgt Ion: 98 Resp: 470648
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.703 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.124 min

Lab File: VN080497.D

Acq: 15 Dec 2023 10:50

Instrument :

MSVOA_N

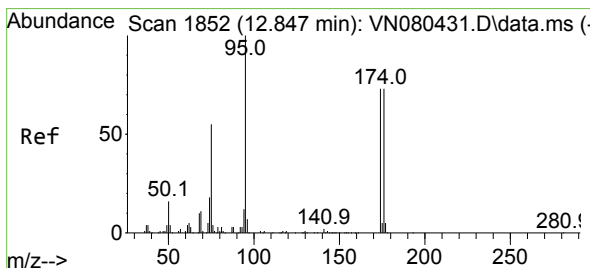
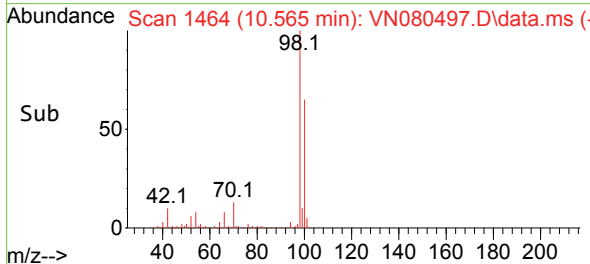
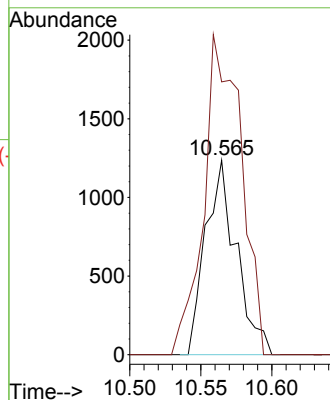
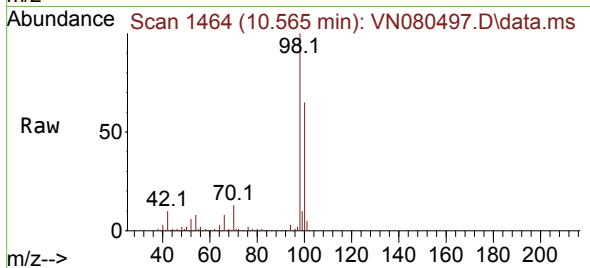
ClientSampleId :

Tgt Ion: 43 Resp: 1864

Ion Ratio Lower Upper

43 100

58 199.7 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 50.669 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN080497.D

Acq: 15 Dec 2023 10:50

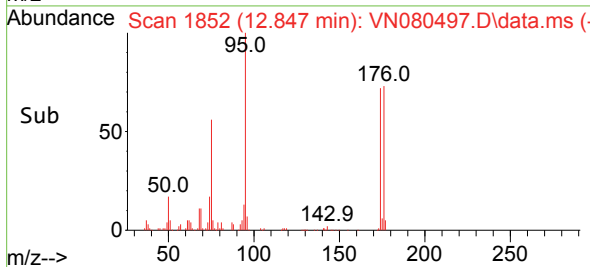
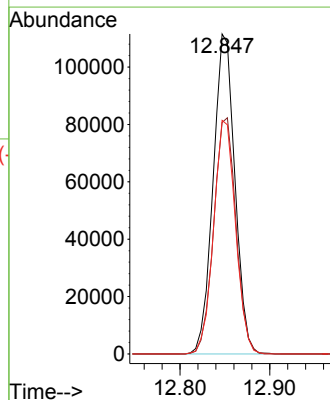
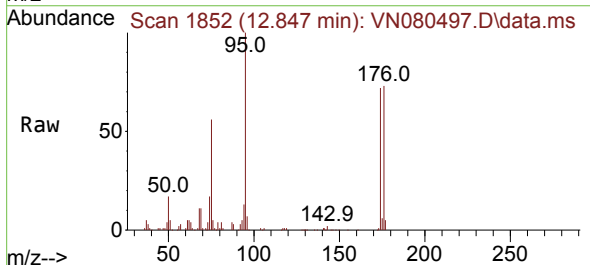
Tgt Ion: 95 Resp: 187680

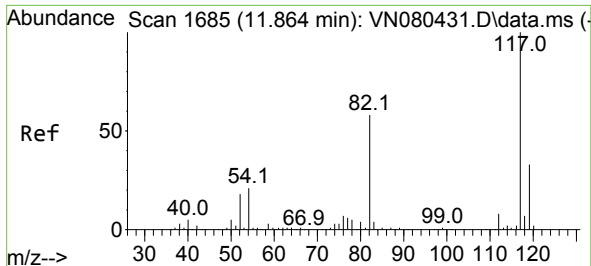
Ion Ratio Lower Upper

95 100

174 75.4 0.0 143.8

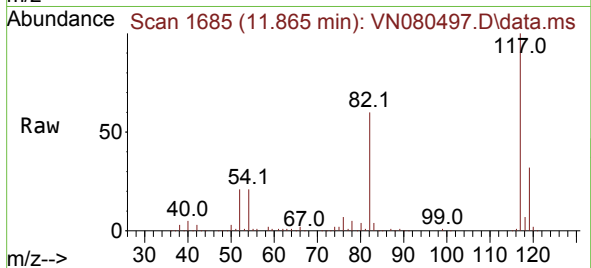
176 73.5 0.0 135.8



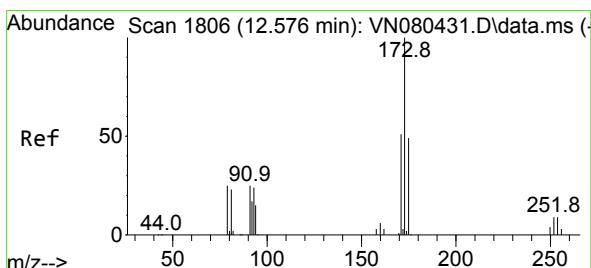
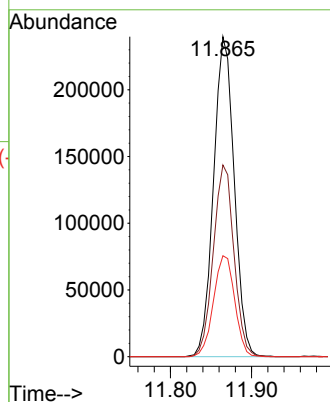
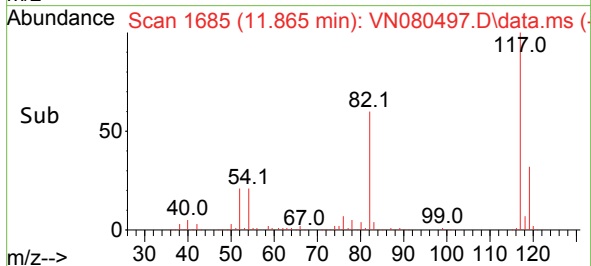


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

Instrument :
MSVOA_N
ClientSampleId :

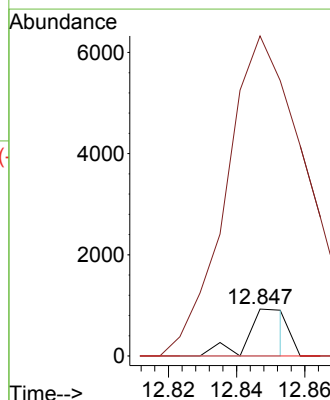
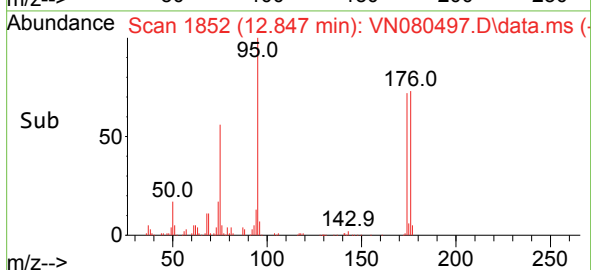
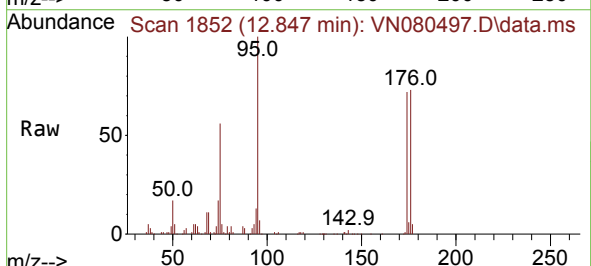


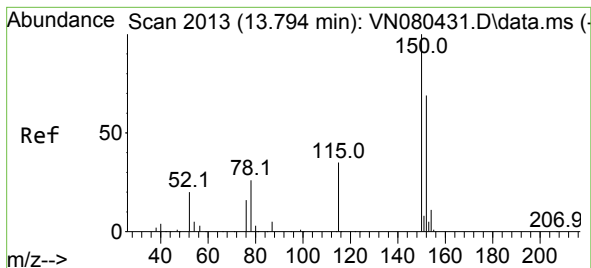
Tgt Ion:117 Resp: 423919
Ion Ratio Lower Upper
117 100
82 59.9 44.0 66.0
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.275 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN080497.D
Acq: 15 Dec 2023 10:50

Tgt Ion:173 Resp: 741
Ion Ratio Lower Upper
173 100
175 1002.8 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

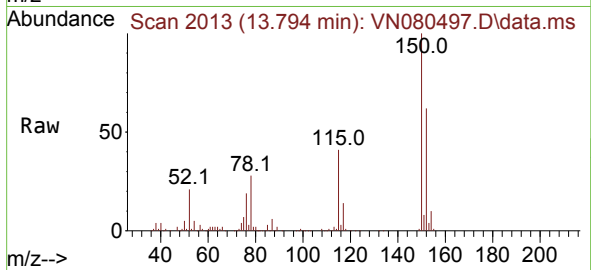
Lab File: VN080497.D

Acq: 15 Dec 2023 10:50

Instrument :

MSVOA_N

ClientSampleId :



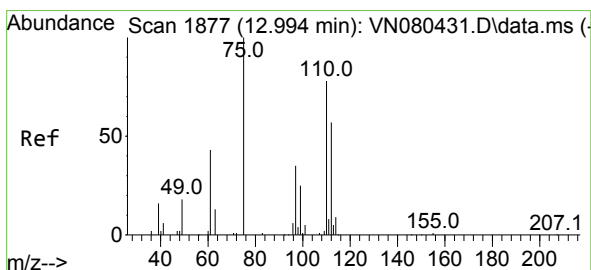
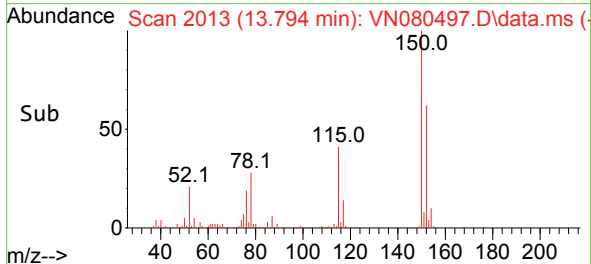
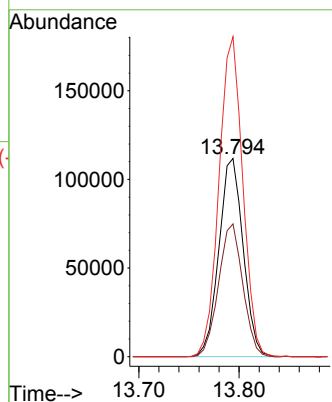
Tgt Ion:152 Resp: 187510

Ion Ratio Lower Upper

152 100

115 67.0 32.3 96.8

150 158.0 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 27.779 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080497.D

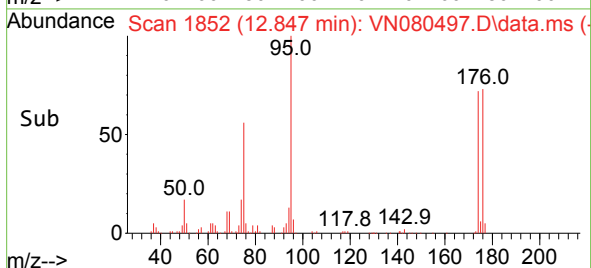
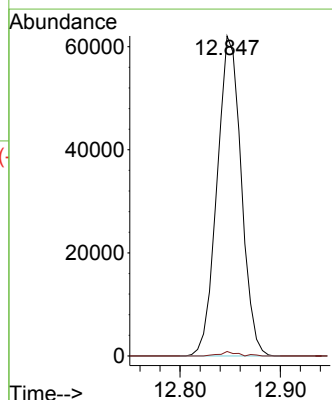
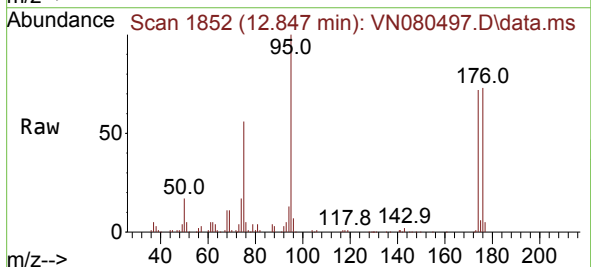
Acq: 15 Dec 2023 10:50

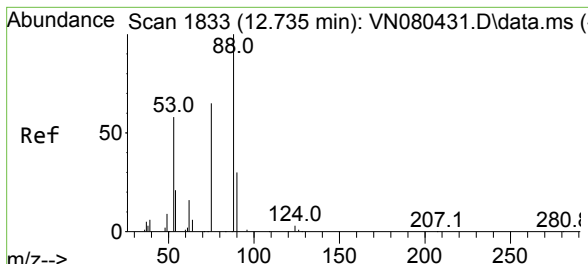
Tgt Ion: 75 Resp: 103914

Ion Ratio Lower Upper

75 100

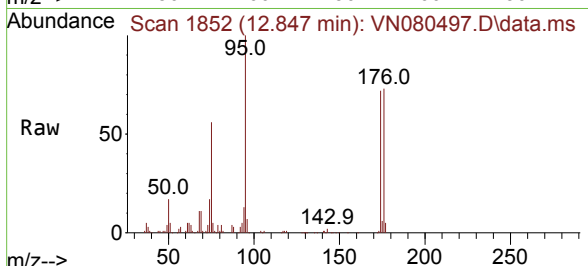
77 1.0 84.5 253.5#



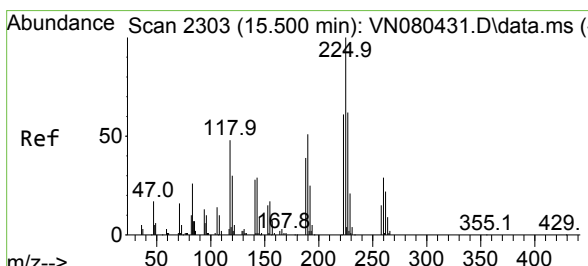
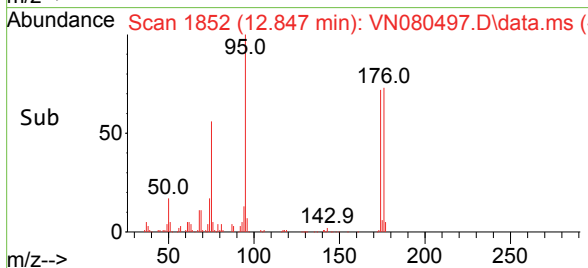
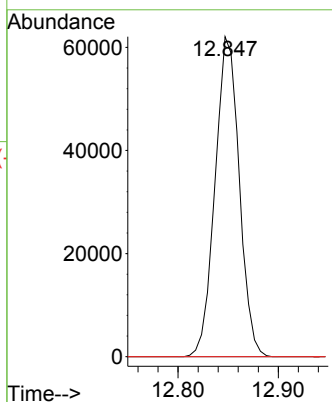


#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.936 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN080497.D
 Acq: 15 Dec 2023 10:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	103914
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#



#94
 Hexachlorobutadiene
 Concen: 0.369 ug/l
 RT: 15.494 min Scan# 2302
 Delta R.T. -0.006 min
 Lab File: VN080497.D
 Acq: 15 Dec 2023 10:50

Tgt Ion:	225	Resp:	723
Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.3	93.8
227	23.0	31.9	95.9#

