

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080478.D
 Acq On : 14 Dec 2023 12:12
 Operator : JC\MD
 Sample : VN1214MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 00:24:41 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)

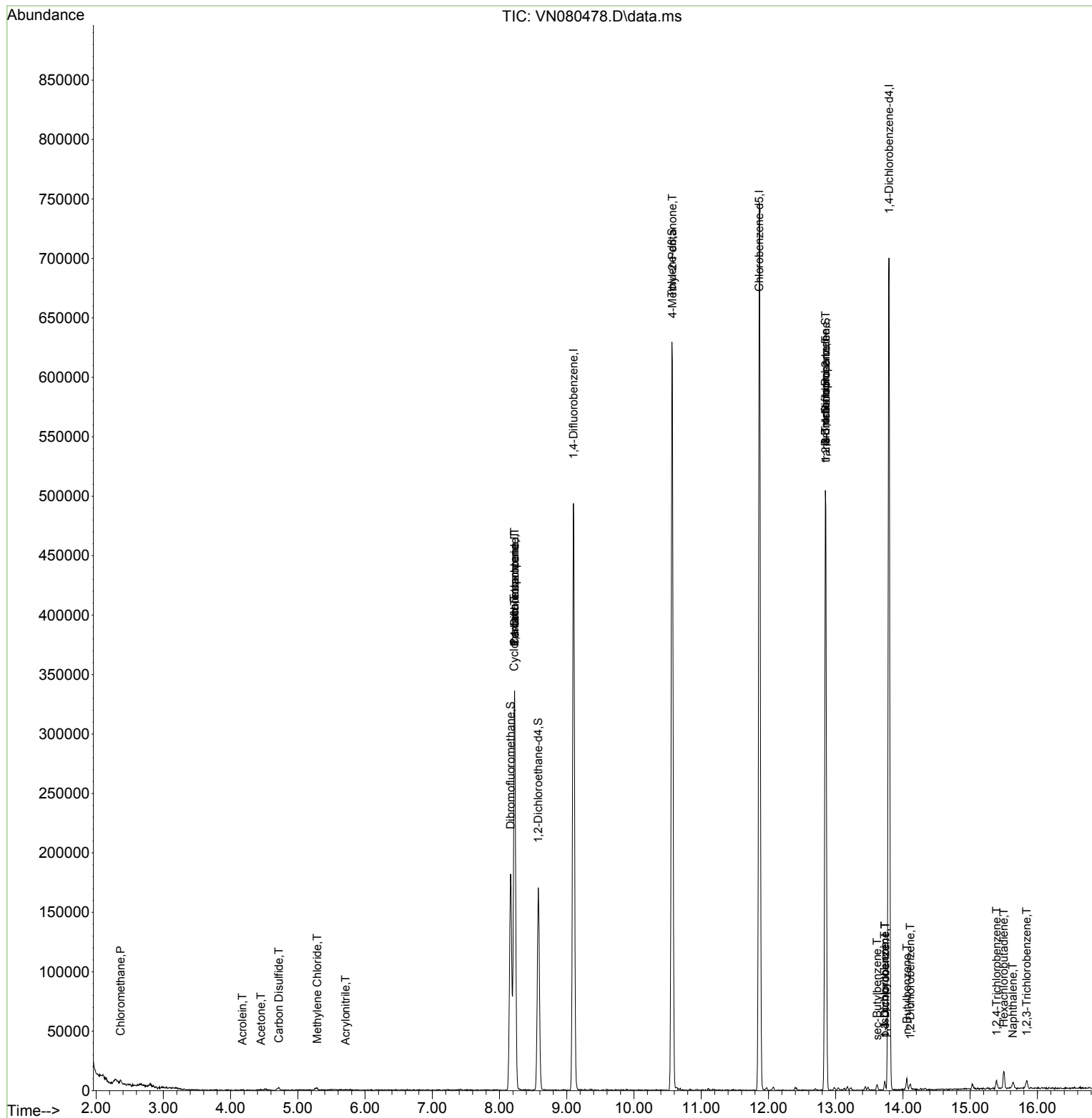
Internal Standards						
1) Pentafluorobenzene	8.224	168	237792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	425383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	431718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151582	49.909	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.820%
35) Dibromofluoromethane	8.165	113	126619	46.946	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.900%
50) Toluene-d8	10.565	98	447505	44.489	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.980%
62) 4-Bromofluorobenzene	12.847	95	181650	47.558	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	4355	0.976	ug/l	96
13) Acrolein	4.177	56	467	1.192	ug/l #	50
15) Acrylonitrile	5.712	53	551	0.545	ug/l #	65
16) Acetone	4.453	43	1183	2.197	ug/l #	40
17) Carbon Disulfide	4.718	76	3715	0.513	ug/l #	90
20) Methylene Chloride	5.289	84	1404	0.487	ug/l #	72
31) Cyclohexane	8.218	56	5308	1.285	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	18353	4.162	ug/l #	50
38) Carbon Tetrachloride	8.224	117	26905	5.106	ug/l #	15
51) 4-Methyl-2-Pentanone	10.571	43	1510	0.552	ug/l #	1
71) Bromoform	12.847	173	574	0.209	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	98476	25.650	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	98476	67.347	ug/l #	15
85) sec-Butylbenzene	13.617	105	3741	0.268	ug/l	93
86) p-Isopropyltoluene	13.729	119	2532	0.201	ug/l	88
87) 1,3-Dichlorobenzene	13.735	146	1433	0.214	ug/l	95
88) 1,4-Dichlorobenzene	13.735	146	1433	0.212	ug/l	93
89) n-Butylbenzene	14.059	91	4391	0.417	ug/l	86
91) 1,2-Dichlorobenzene	14.111	146	1603	0.252	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	2795	0.791	ug/l	91
94) Hexachlorobutadiene	15.500	225	2960	1.472	ug/l	91
95) Naphthalene	15.635	128	6851	0.639	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.841	180	2921	0.857	ug/l	91

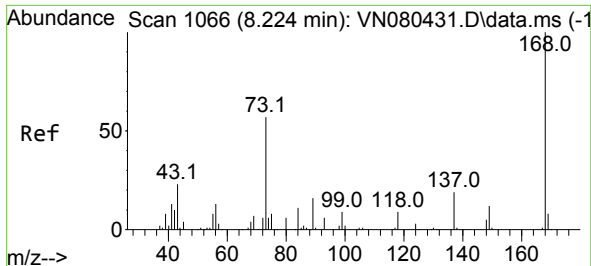
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 14 Dec 2023 12:12
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Sample : VN1214MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

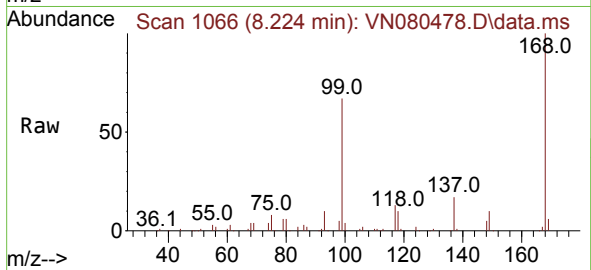
Quant Time: Dec 15 00:24:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration



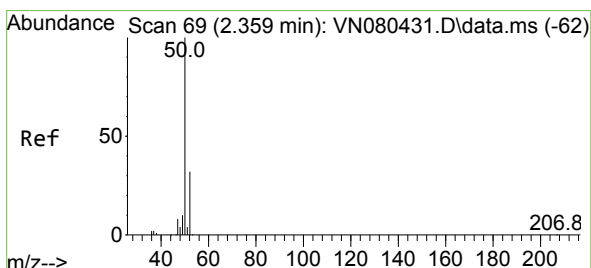
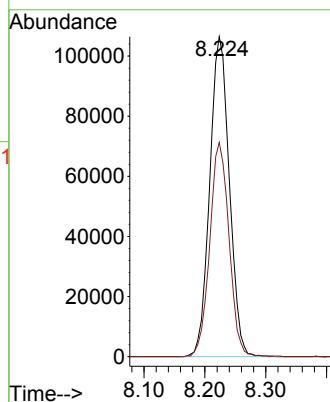
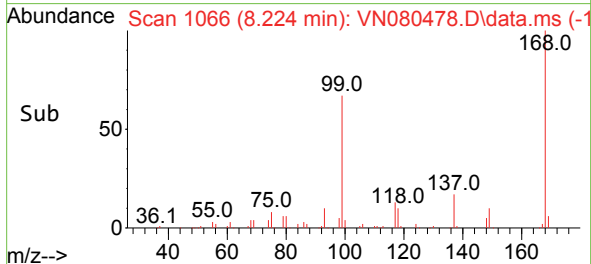


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

Instrument :
MSVOA_N
ClientSampleId :

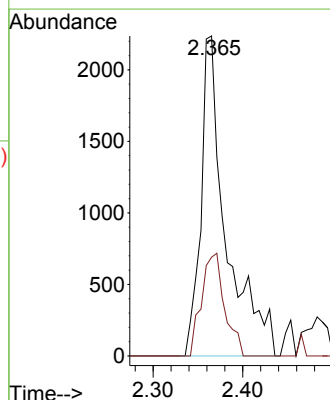
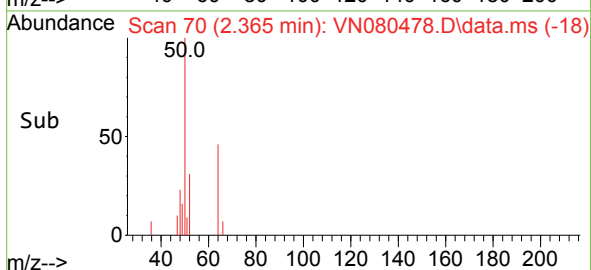
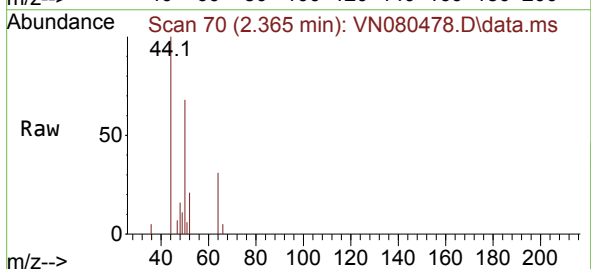


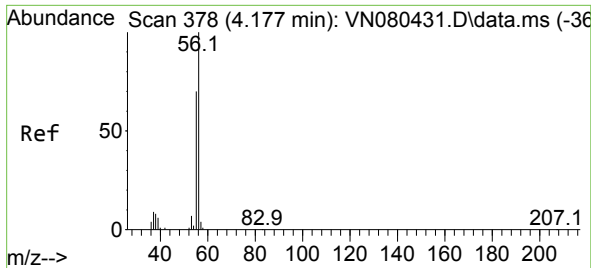
Tgt Ion:168 Resp: 237792
Ion Ratio Lower Upper
168 100
99 67.0 53.0 79.6



#3
Chloromethane
Concen: 0.976 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

Tgt Ion: 50 Resp: 4355
Ion Ratio Lower Upper
50 100
52 30.8 26.5 39.7

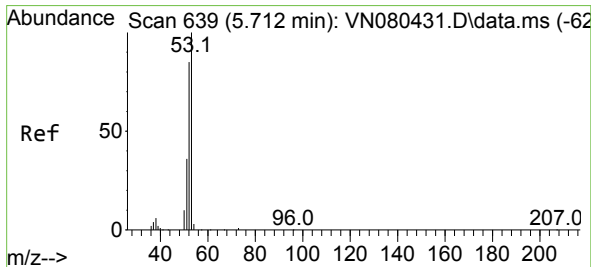
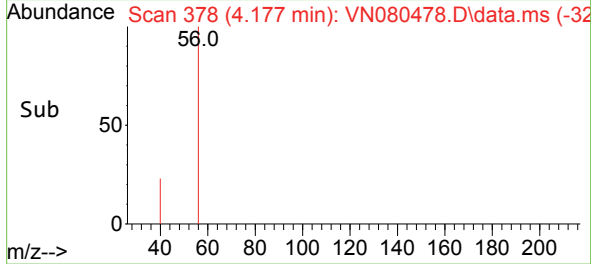
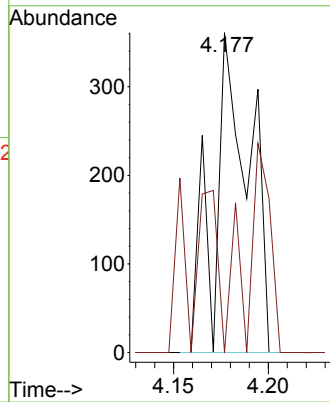
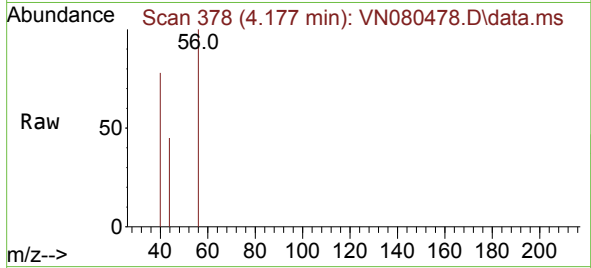




#13
Acrolein
Concen: 1.192 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

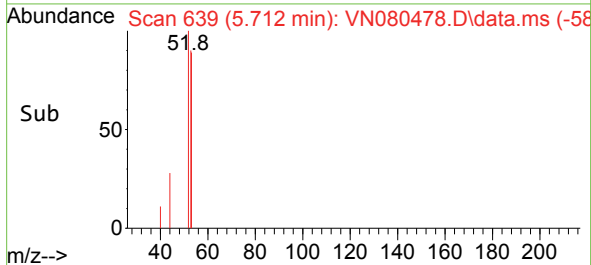
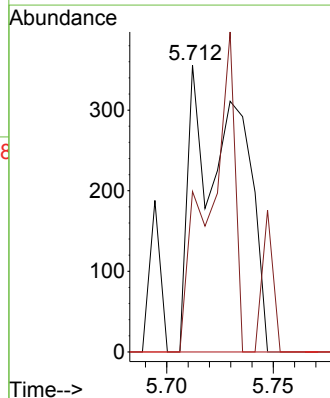
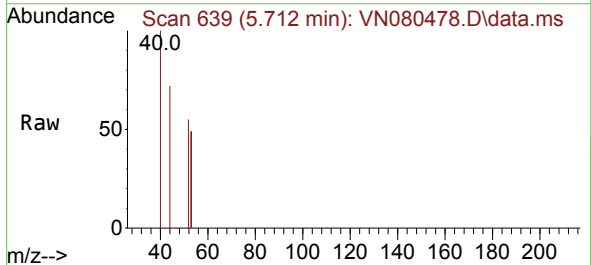
Instrument :
MSVOA_N
ClientSampleId :

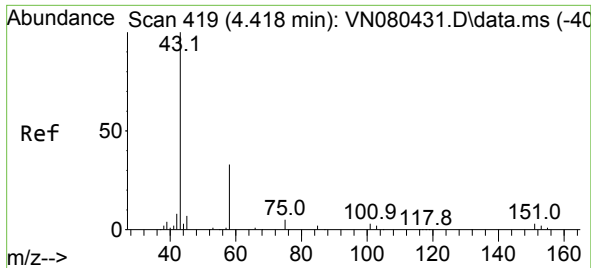
Tgt Ion: 56 Resp: 467
Ion Ratio Lower Upper
56 100
55 27.4 54.5 81.7#



#15
Acrylonitrile
Concen: 0.545 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

Tgt Ion: 53 Resp: 551
Ion Ratio Lower Upper
53 100
52 60.8 65.3 97.9#
51 0.0 28.9 43.3#

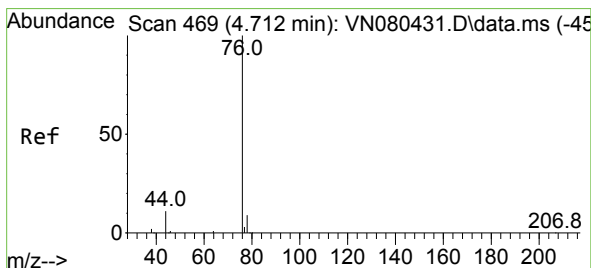
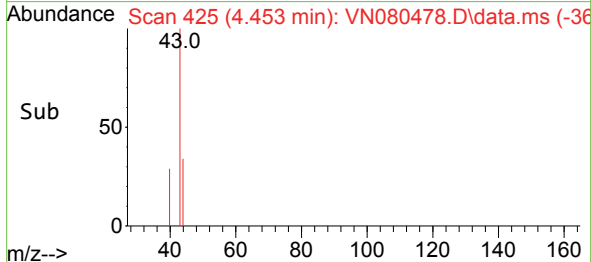
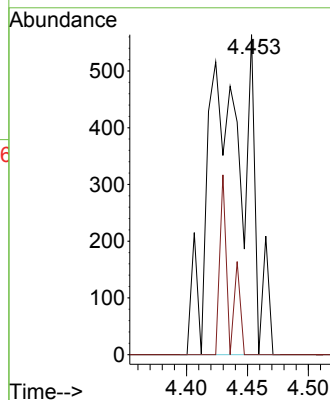
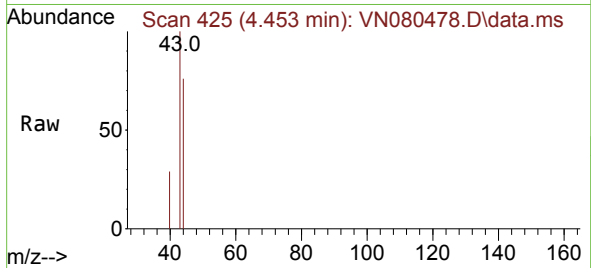




#16
Acetone
Concen: 2.197 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

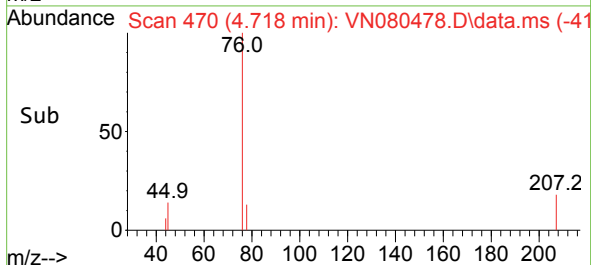
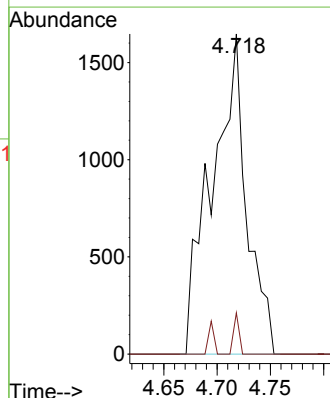
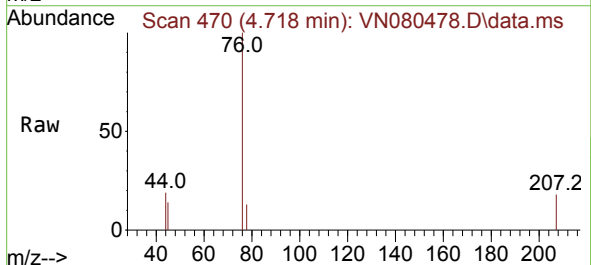
Instrument :
MSVOA_N
ClientSampleId :

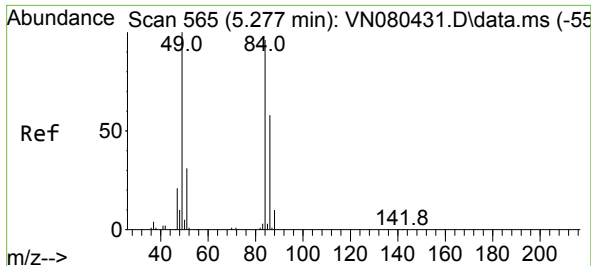
Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.513 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

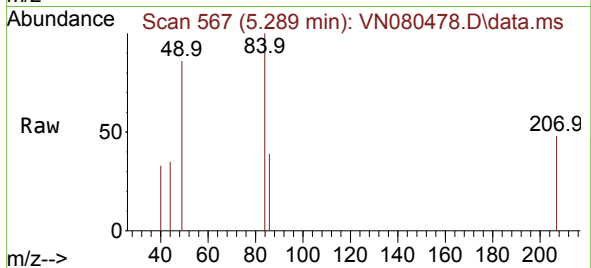
Tgt Ion: 76 Resp: 3715
Ion Ratio Lower Upper
76 100
78 12.9 7.4 11.0#



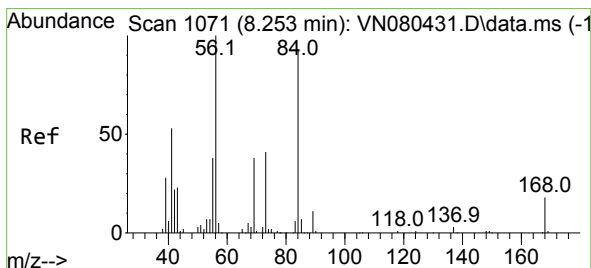
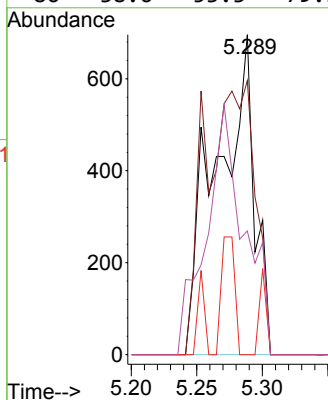
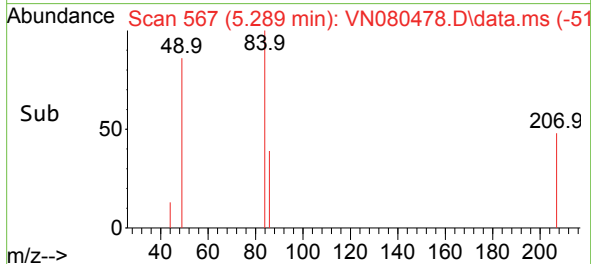


#20
Methylene Chloride
Concen: 0.487 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

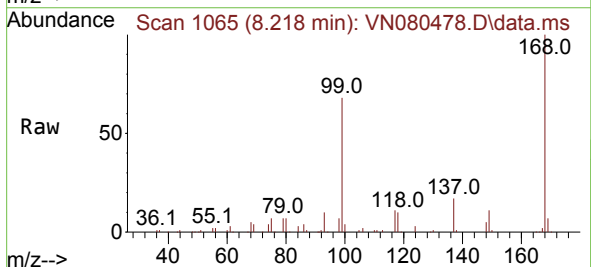
Instrument :
MSVOA_N
ClientSampleId :



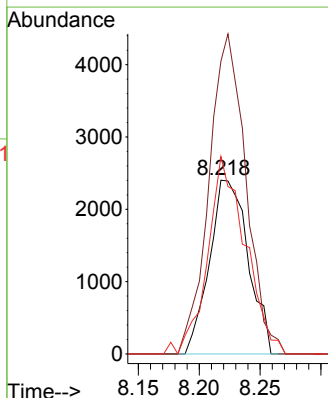
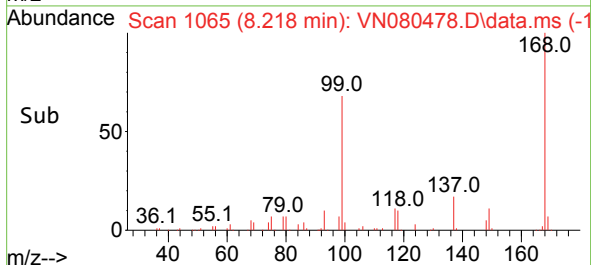
Tgt Ion: 84 Resp: 1404
Ion Ratio Lower Upper
84 100
49 85.6 79.7 119.5
51 0.0 25.2 37.8#
86 38.6 53.3 79.9#

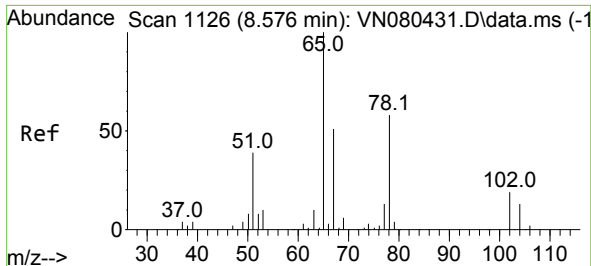


#31
Cyclohexane
Concen: 1.285 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12



Tgt Ion: 56 Resp: 5308
Ion Ratio Lower Upper
56 100
69 168.5 26.8 40.2#
84 113.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 49.909 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080478.D

Acq: 14 Dec 2023 12:12

Instrument :

MSVOA_N

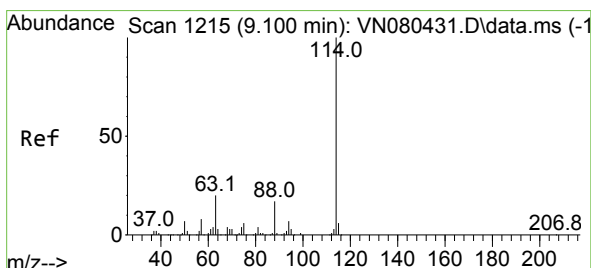
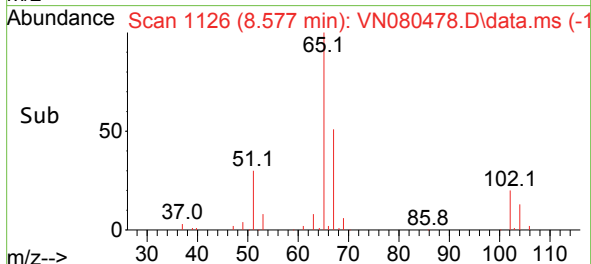
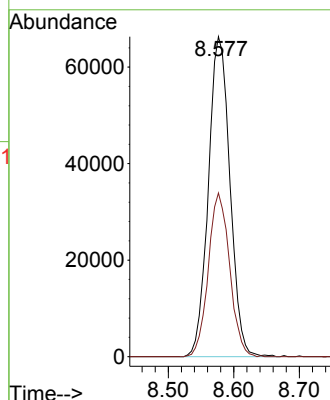
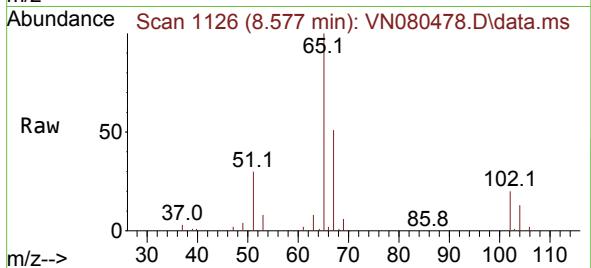
ClientSampleId :

Tgt Ion: 65 Resp: 151582

Ion Ratio Lower Upper

65 100

67 50.5 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: VN080478.D

Acq: 14 Dec 2023 12:12

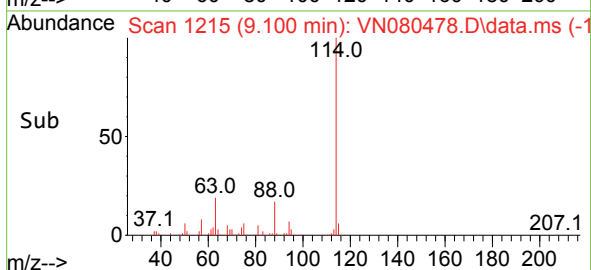
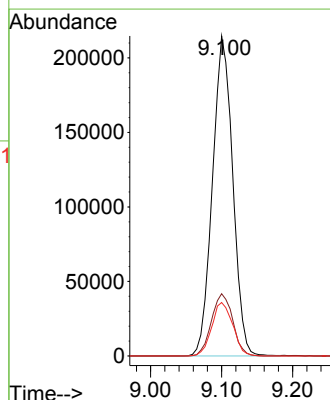
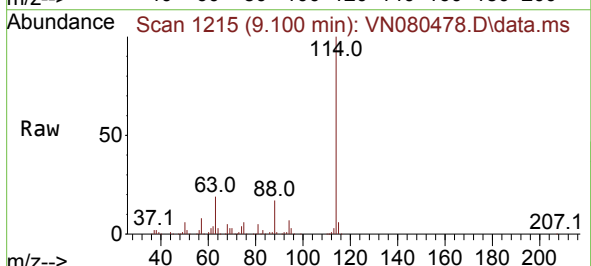
Tgt Ion: 114 Resp: 425383

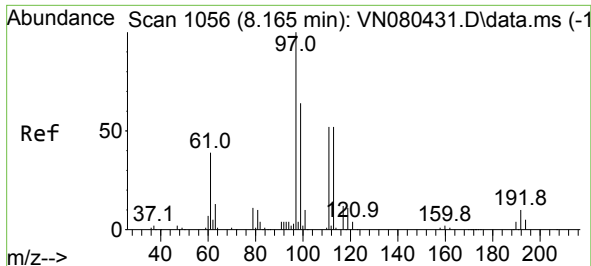
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 16.7 0.0 30.6

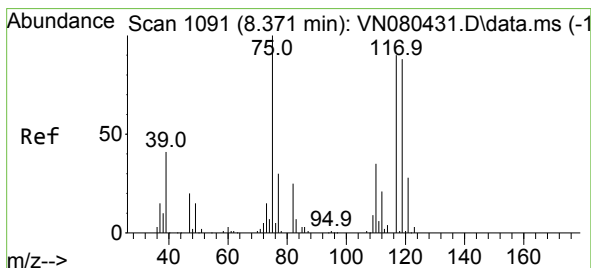
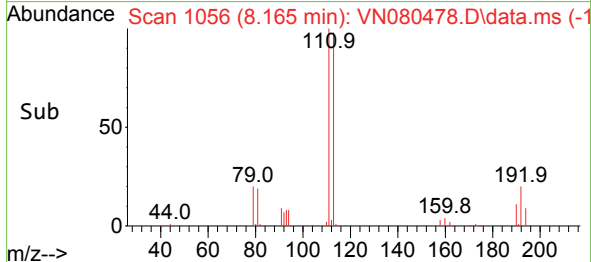
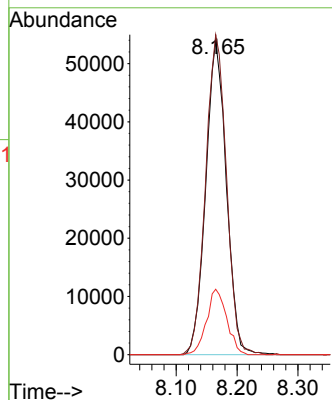
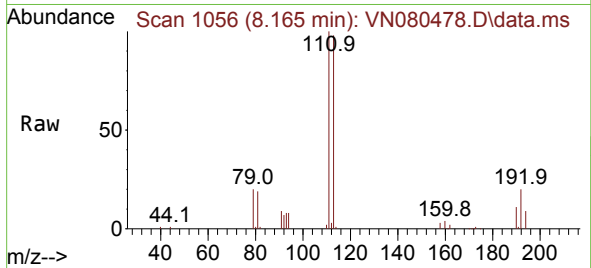




#35
Dibromofluoromethane
Concen: 46.946 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

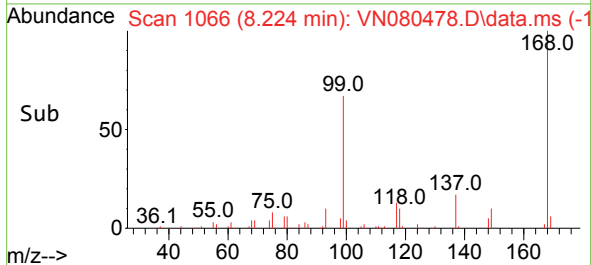
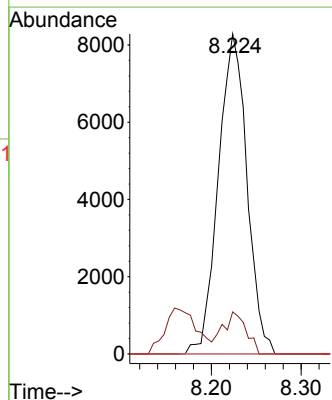
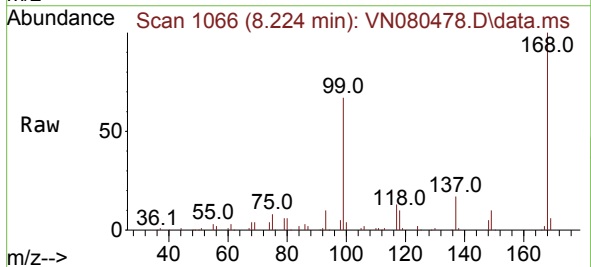
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MSVOA_N
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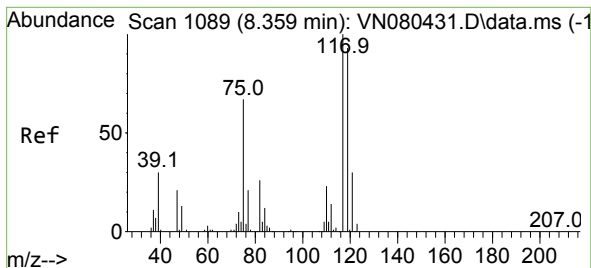
Tgt Ion:113 Resp: 126619
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 20.5 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.162 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

Tgt Ion: 75 Resp: 18353
Ion Ratio Lower Upper
75 100
110 10.8 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.106 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

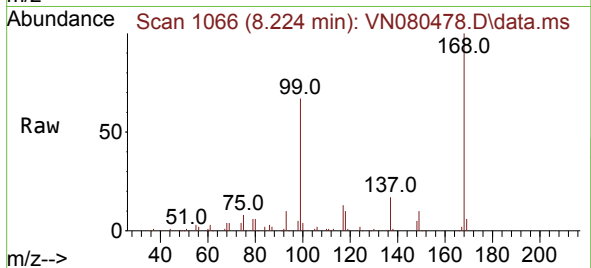
Lab File: VN080478.D

Acq: 14 Dec 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :



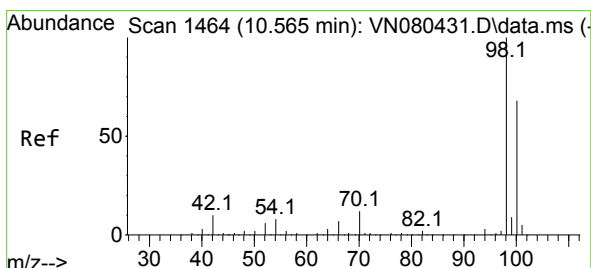
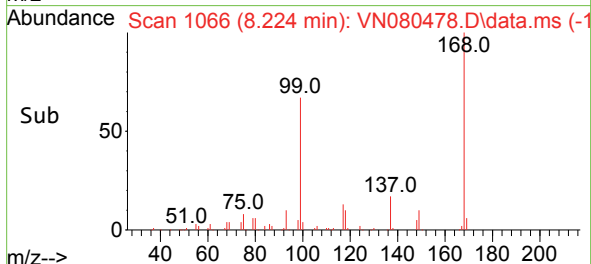
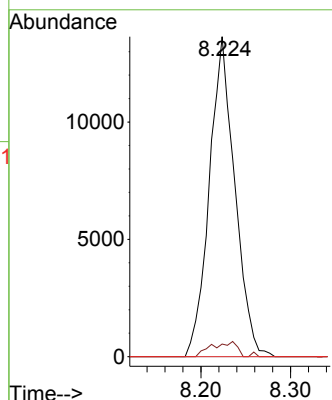
Tgt Ion:117 Resp: 26905

Ion Ratio Lower Upper

117 100

119 4.0 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 44.489 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080478.D

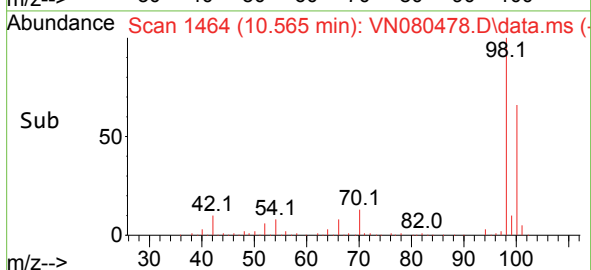
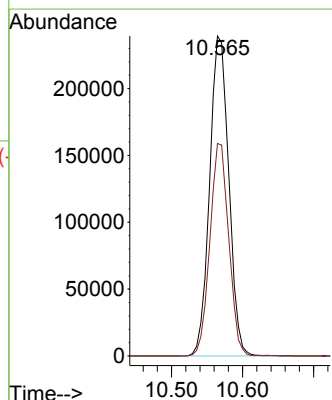
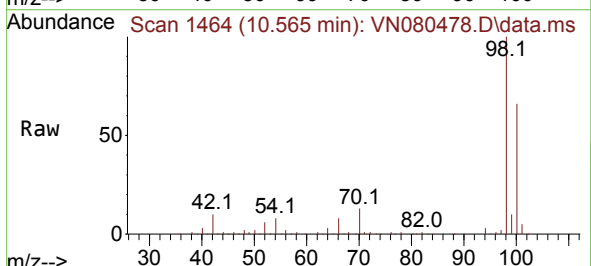
Acq: 14 Dec 2023 12:12

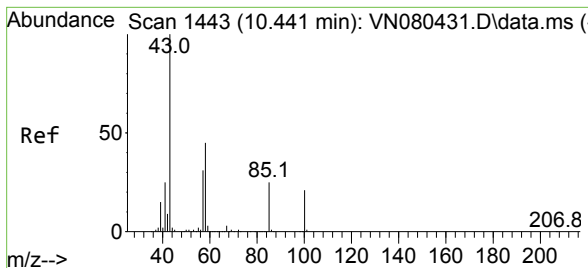
Tgt Ion: 98 Resp: 447505

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0

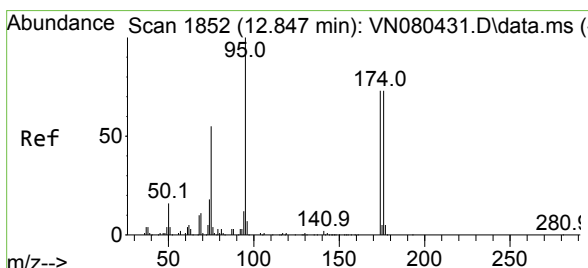
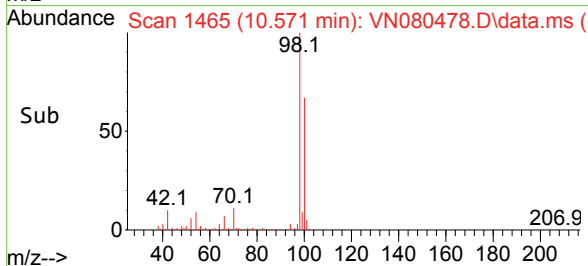
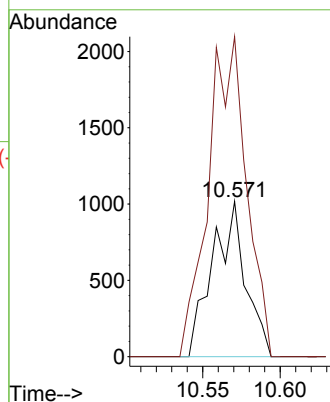
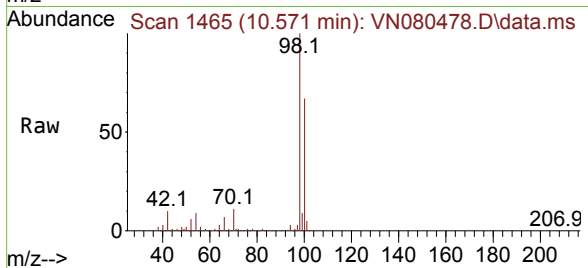




#51
4-Methyl-2-Pentanone
Concen: 0.552 ug/l
RT: 10.571 min Scan# 1443
Delta R.T. 0.130 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

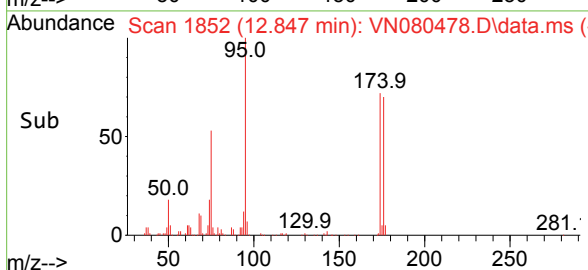
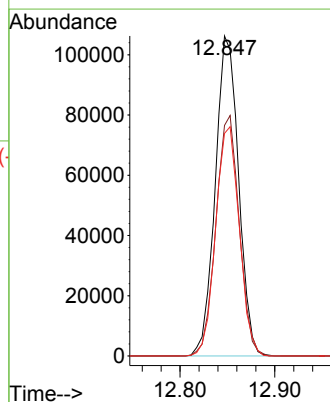
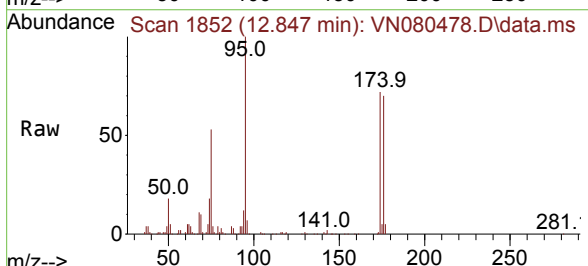
Instrument :
MSVOA_N
ClientSampleId :

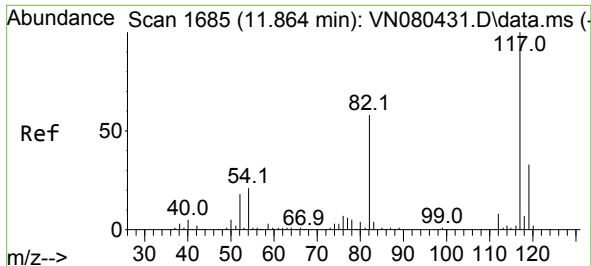
Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
58 237.4 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 47.558 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

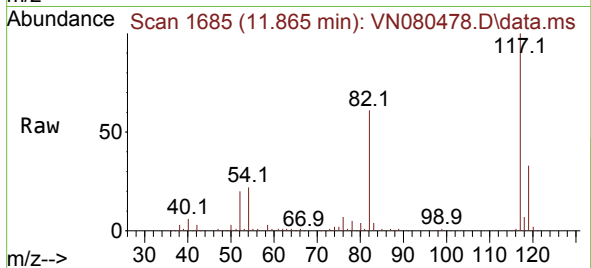
Tgt Ion: 95 Resp: 181650
Ion Ratio Lower Upper
95 100
174 75.0 0.0 143.8
176 72.6 0.0 135.8



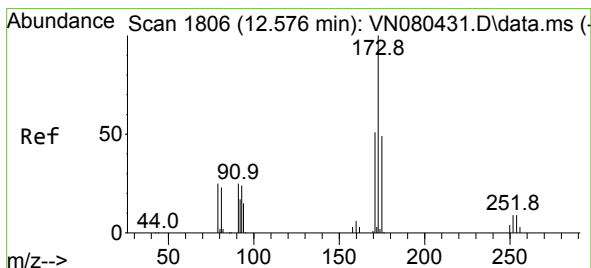
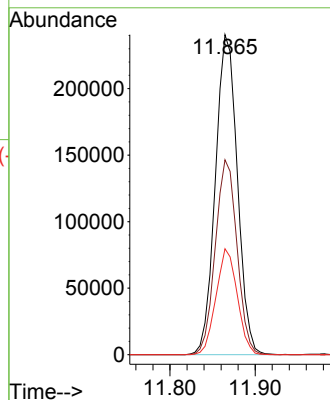
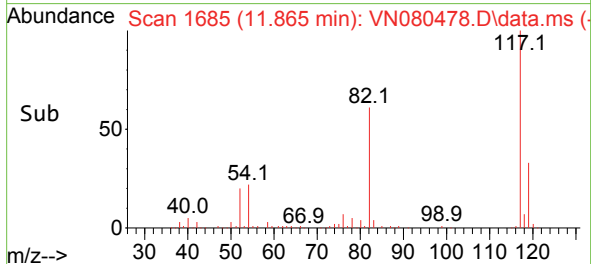


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

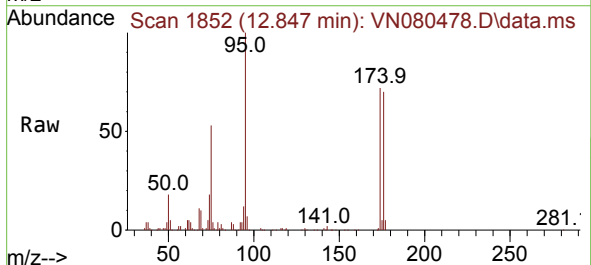
Instrument :
MSVOA_N
ClientSampleId :



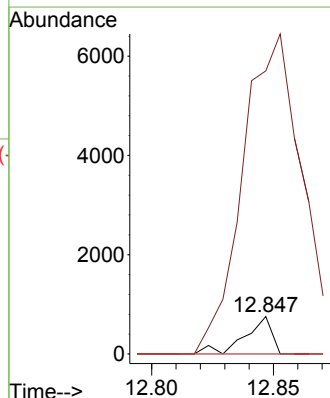
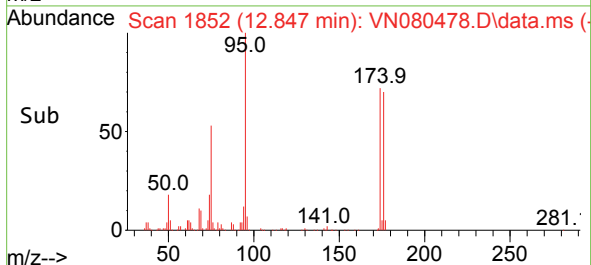
Tgt Ion:117 Resp: 431718
Ion Ratio Lower Upper
117 100
82 60.9 44.0 66.0
119 33.1 25.6 38.4

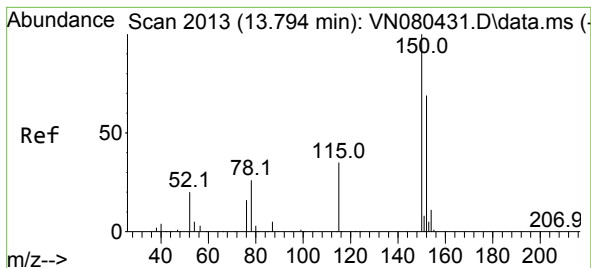


#71
Bromoform
Concen: 0.209 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12



Tgt Ion:173 Resp: 574
Ion Ratio Lower Upper
173 100
175 0.0 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

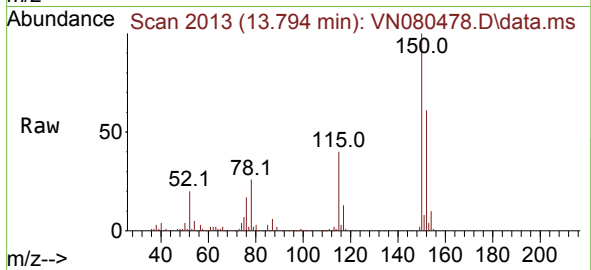
Lab File: VN080478.D

Acq: 14 Dec 2023 12:12

Instrument :

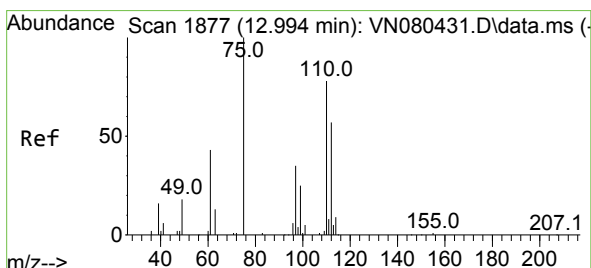
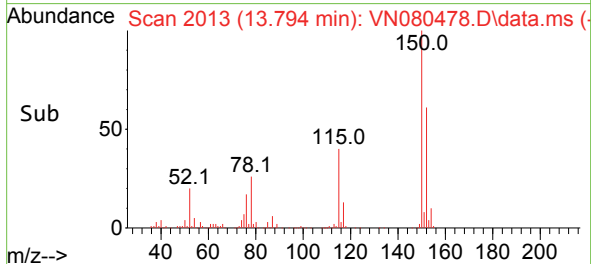
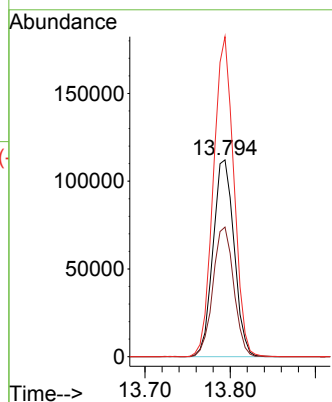
MSVOA_N

ClientSampleId :



Tgt Ion:152 Resp: 192445

Ion	Ratio	Lower	Upper
152	100		
115	65.1	32.3	96.8
150	157.8	0.0	355.8



#76

1,2,3-Trichloropropane

Concen: 25.650 ug/l

RT: 12.853 min Scan# 1853

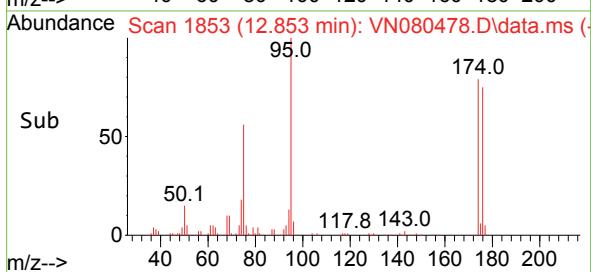
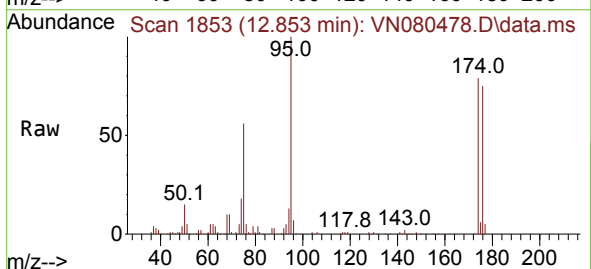
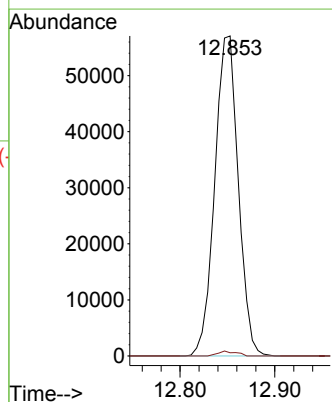
Delta R.T. -0.141 min

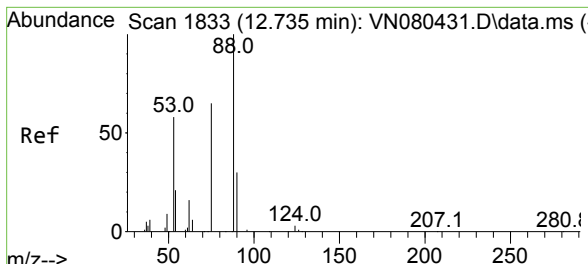
Lab File: VN080478.D

Acq: 14 Dec 2023 12:12

Tgt Ion: 75 Resp: 98476

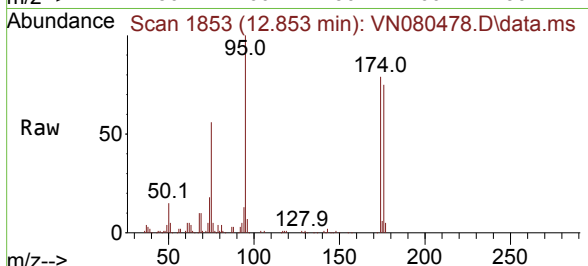
Ion	Ratio	Lower	Upper
75	100		
77	1.2	84.5	253.5#



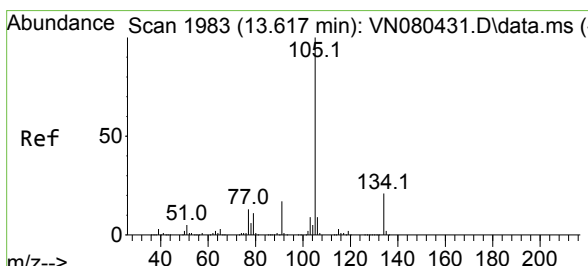
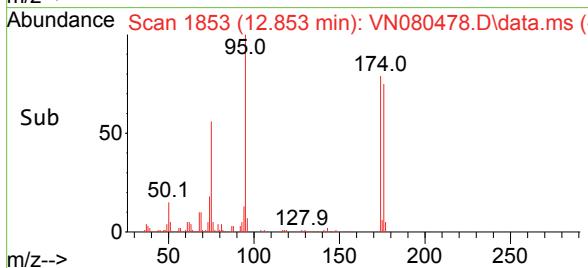
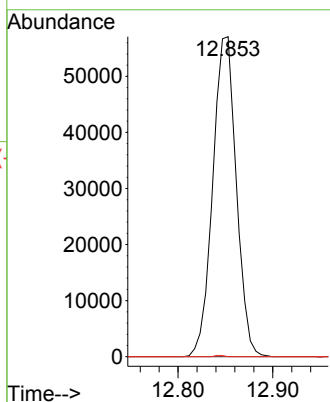


#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.347 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.118 min
 Lab File: VN080478.D
 Acq: 14 Dec 2023 12:12

Instrument :
 MSVOA_N
 ClientSampleId :

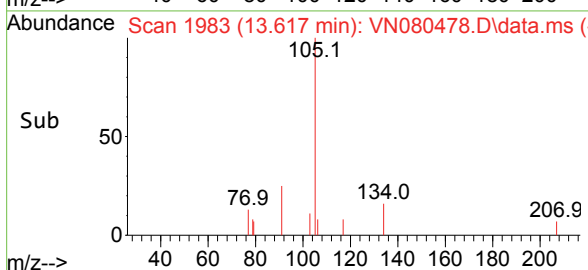
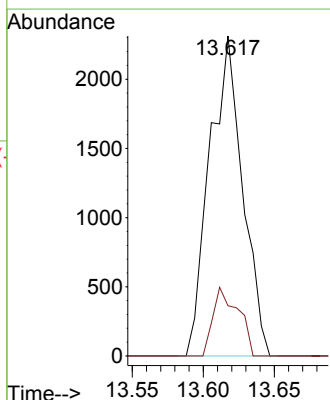
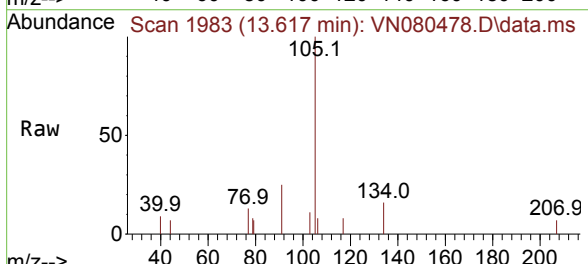


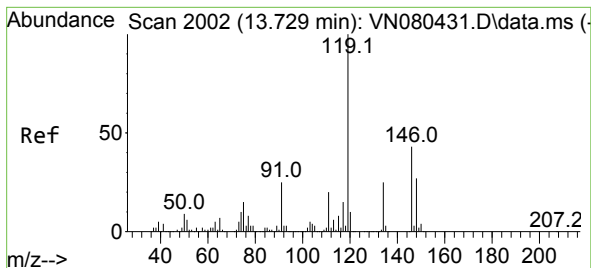
Tgt Ion:	75	Resp:	98476
Ion Ratio	Lower	Upper	
75	100		
53	0.0	67.4	101.2#
89	0.2	38.8	58.2#



#85
 sec-Butylbenzene
 Concen: 0.268 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN080478.D
 Acq: 14 Dec 2023 12:12

Tgt Ion:	105	Resp:	3741
Ion Ratio	Lower	Upper	
105	100		
134	16.4	9.8	29.3





#86

p-Isopropyltoluene

Concen: 0.201 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN080478.D

Acq: 14 Dec 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :

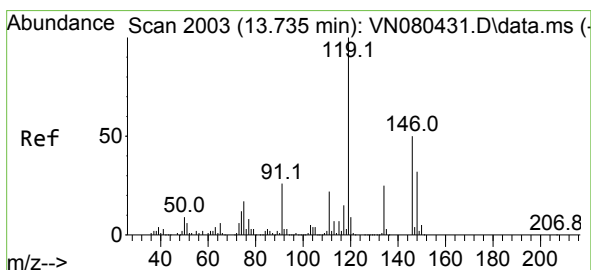
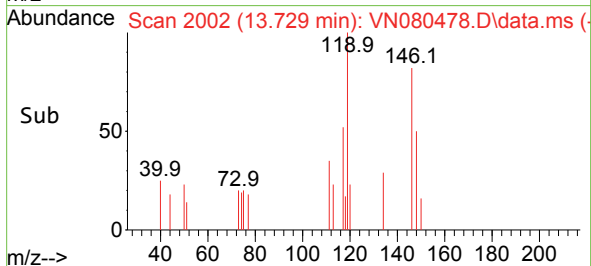
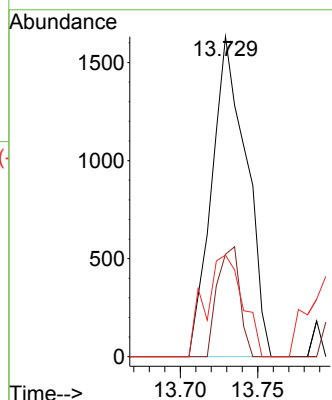
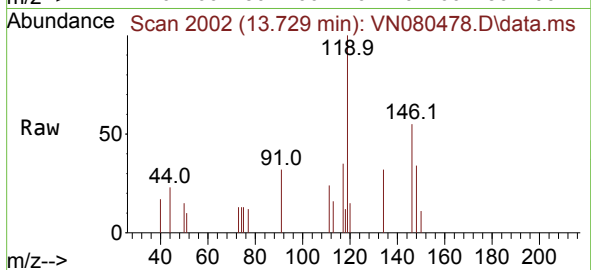
Tgt Ion:119 Resp: 2532

Ion Ratio Lower Upper

119 100

134 22.3 12.6 37.8

91 34.0 12.4 37.2



#87

1,3-Dichlorobenzene

Concen: 0.214 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN080478.D

Acq: 14 Dec 2023 12:12

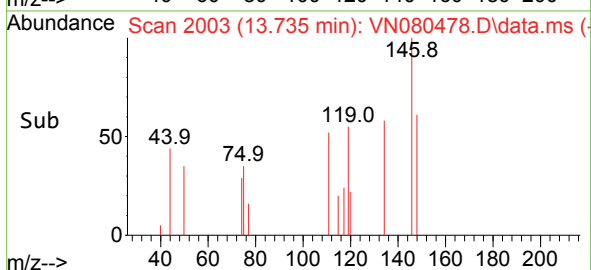
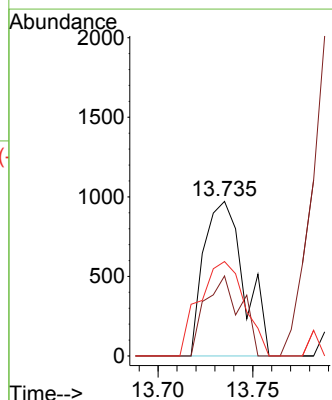
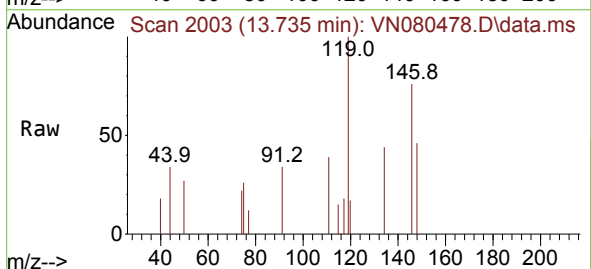
Tgt Ion:146 Resp: 1433

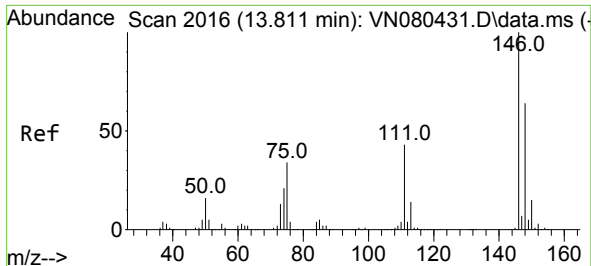
Ion Ratio Lower Upper

146 100

111 46.1 22.1 66.3

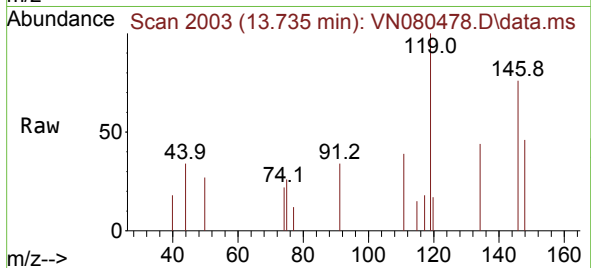
148 68.5 32.0 96.0



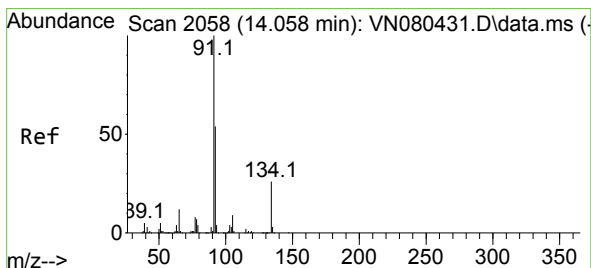
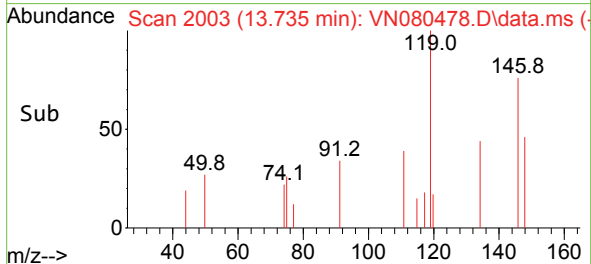
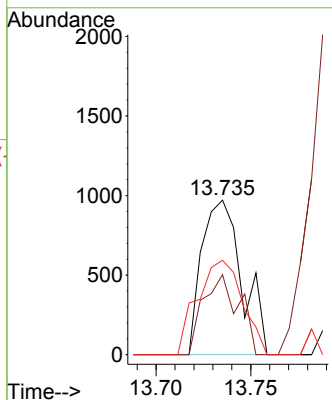


#88
1,4-Dichlorobenzene
Concen: 0.212 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

Instrument :
MSVOA_N
ClientSampleId :

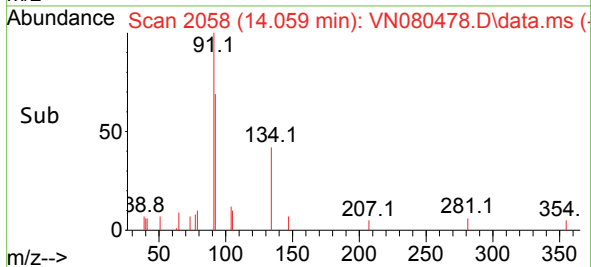
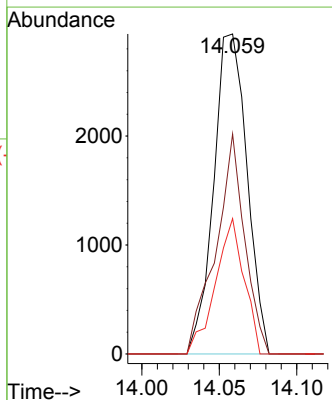
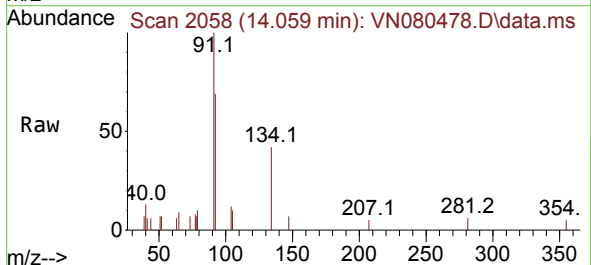


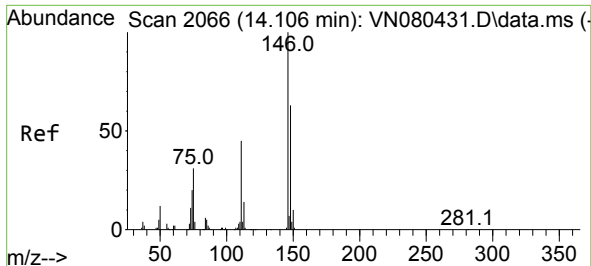
Tgt Ion:146 Resp: 1433
Ion Ratio Lower Upper
146 100
111 46.1 20.6 61.8
148 68.5 31.6 94.8



#89
n-Butylbenzene
Concen: 0.417 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

Tgt Ion: 91 Resp: 4391
Ion Ratio Lower Upper
91 100
92 59.5 26.4 79.0
134 36.2 12.6 37.6

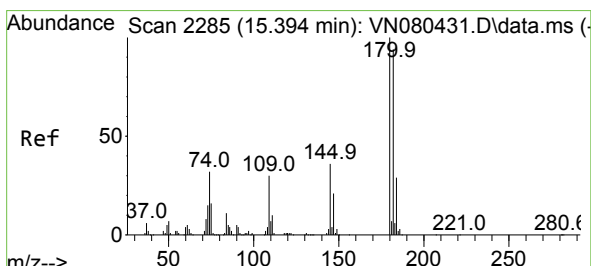
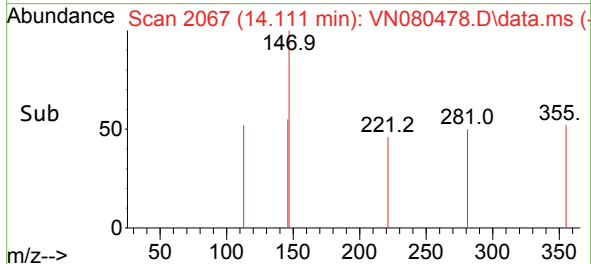
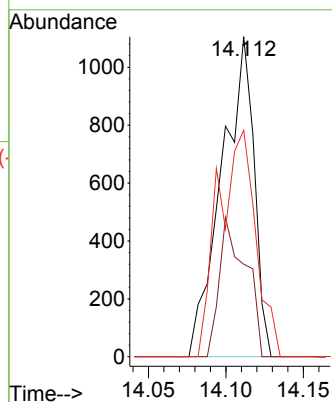
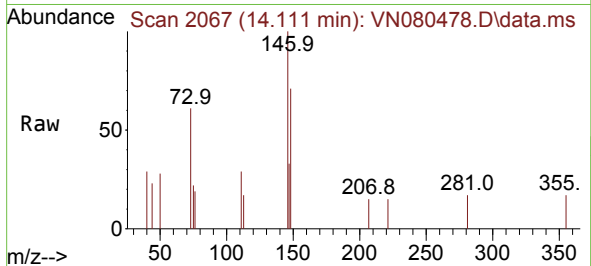




#91
1,2-Dichlorobenzene
Concen: 0.252 ug/l
RT: 14.111 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

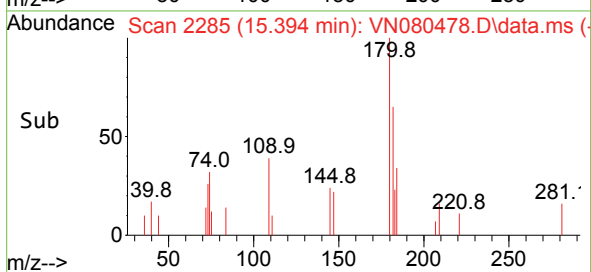
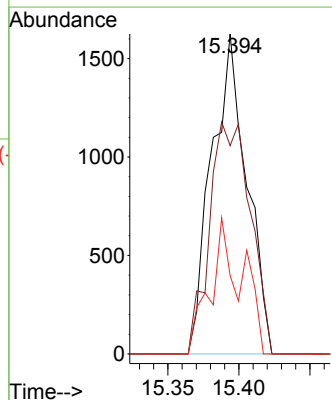
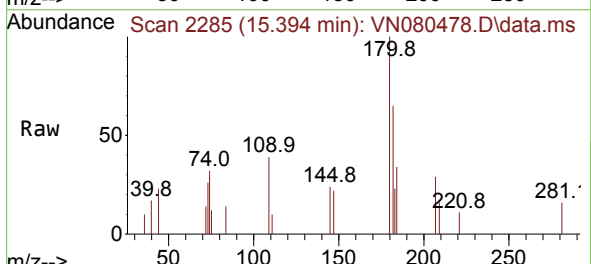
Instrument :
MSVOA_N
ClientSampleId :

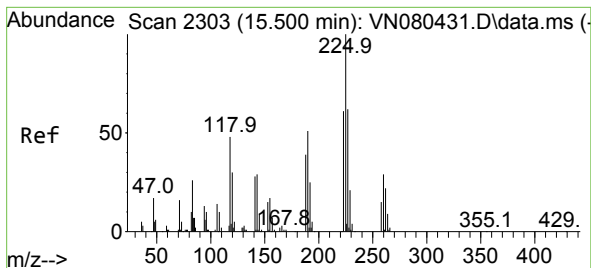
Tgt Ion:146 Resp: 1603
Ion Ratio Lower Upper
146 100
111 35.7 22.0 66.0
148 81.7 31.8 95.3



#93
1,2,4-Trichlorobenzene
Concen: 0.791 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN080478.D
Acq: 14 Dec 2023 12:12

Tgt Ion:180 Resp: 2795
Ion Ratio Lower Upper
180 100
182 84.4 46.1 138.2
145 27.2 16.6 49.8





#94

Hexachlorobutadiene

Concen: 1.472 ug/l

RT: 15.500 min Scan# 21

Delta R.T. 0.000 min

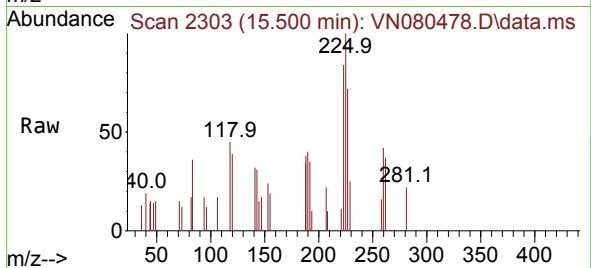
Lab File: VN080478.D

Acq: 14 Dec 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :



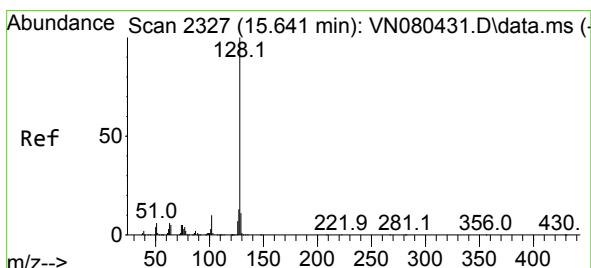
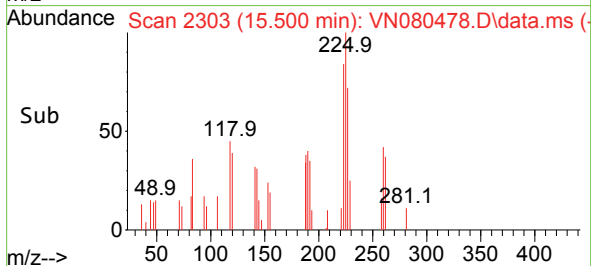
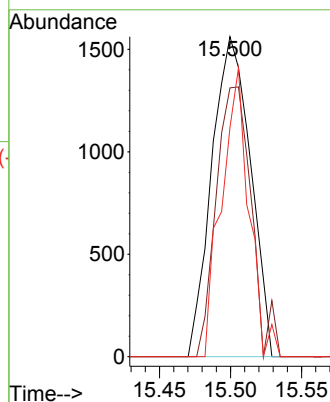
Tgt Ion:225 Resp: 2960

Ion Ratio Lower Upper

225 100

223 76.2 31.3 93.8

227 63.5 31.9 95.9



#95

Naphthalene

Concen: 0.639 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN080478.D

Acq: 14 Dec 2023 12:12

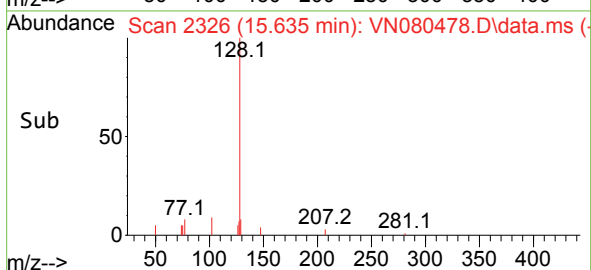
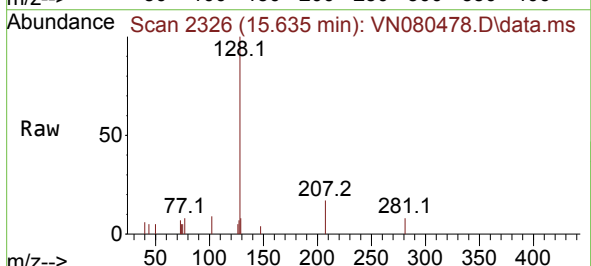
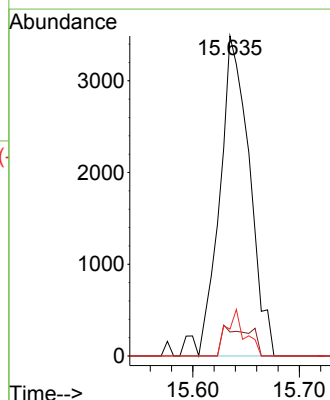
Tgt Ion:128 Resp: 6851

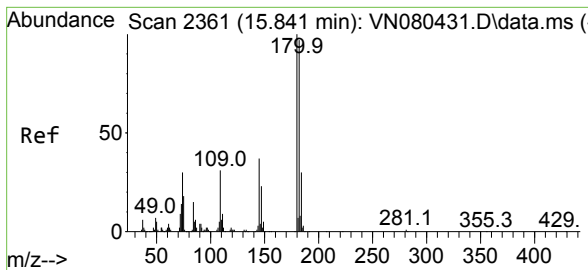
Ion Ratio Lower Upper

128 100

127 8.6 10.0 15.0#

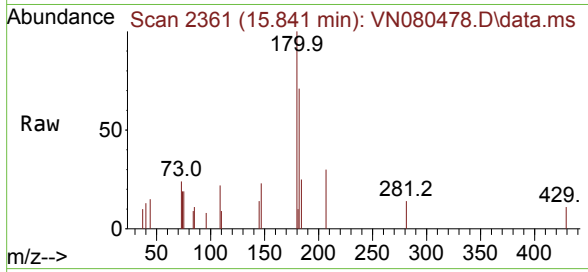
129 8.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.857 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080478.D
 Acq: 14 Dec 2023 12:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2921
Ion	Ratio	Lower	Upper
180	100		
182	99.6	46.2	138.6
145	28.2	17.5	52.6

