

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080479.D
 Acq On : 14 Dec 2023 12:35
 Operator : JC\MD
 Sample : VN1214WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 00:25:06 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)

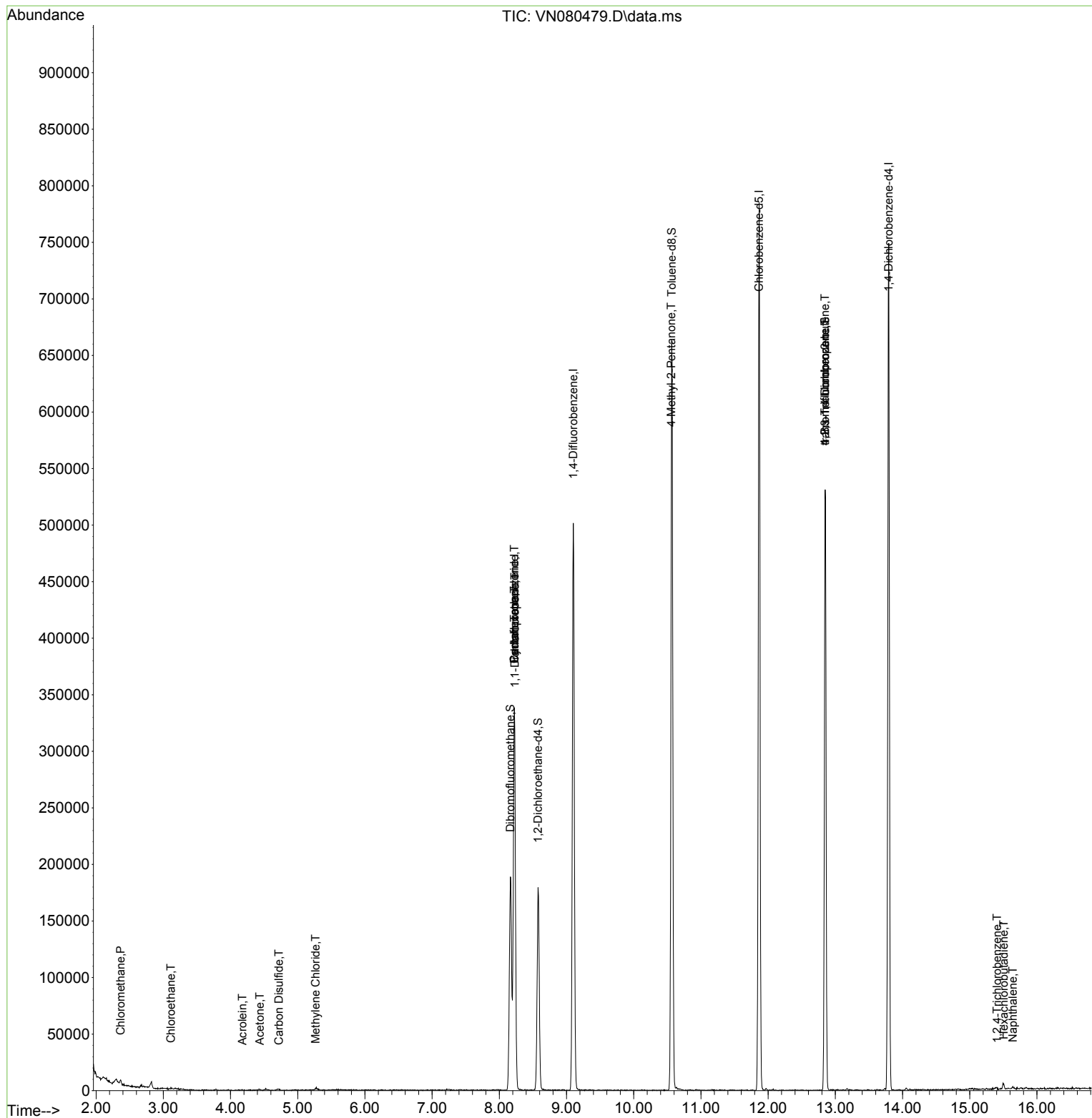
Internal Standards						
1) Pentafluorobenzene	8.224	168	238949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	429372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	440079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	157600	51.640	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.280%	
35) Dibromofluoromethane	8.165	113	129867	47.703	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.400%	
50) Toluene-d8	10.565	98	472177	46.506	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.020%	
62) 4-Bromofluorobenzene	12.847	95	189571	49.170	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	4017	0.862	ug/l #	84
6) Chloroethane	3.112	64	378	0.226	ug/l #	43
13) Acrolein	4.177	56	440	1.118	ug/l #	62
16) Acetone	4.436	43	1053	1.946	ug/l #	59
17) Carbon Disulfide	4.718	76	1939	0.266	ug/l #	75
20) Methylene Chloride	5.265	84	689	0.238	ug/l #	57
31) Cyclohexane	8.224	56	5482	1.321	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	18679	4.196	ug/l #	52
38) Carbon Tetrachloride	8.224	117	27584	5.186	ug/l #	14
51) 4-Methyl-2-Pentanone	10.559	43	1472	0.533	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	104979	26.099	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	104979	68.526	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.406	180	790	0.213	ug/l #	72
94) Hexachlorobutadiene	15.506	225	1155	0.548	ug/l	89
95) Naphthalene	15.641	128	2306	0.205	ug/l #	73

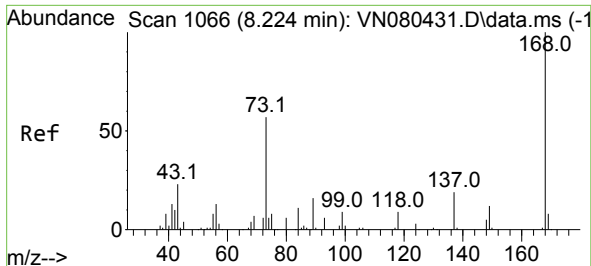
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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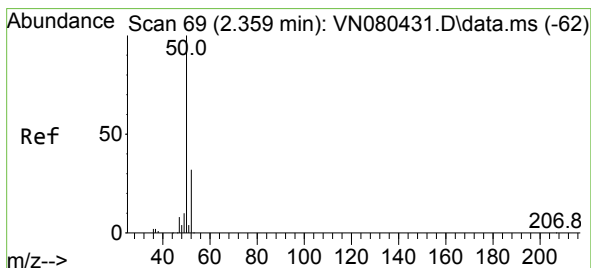
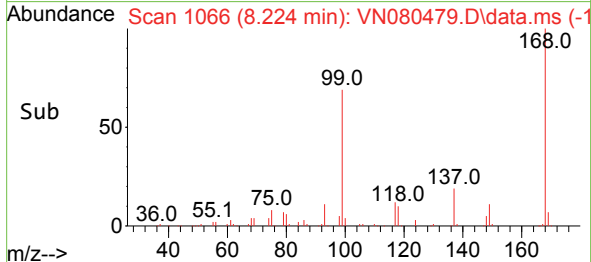
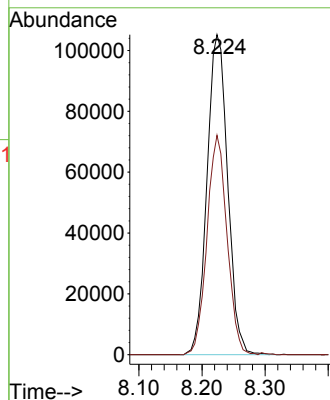
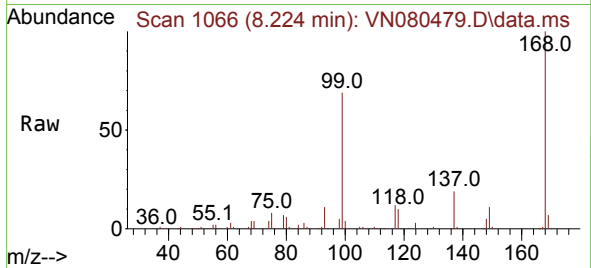




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

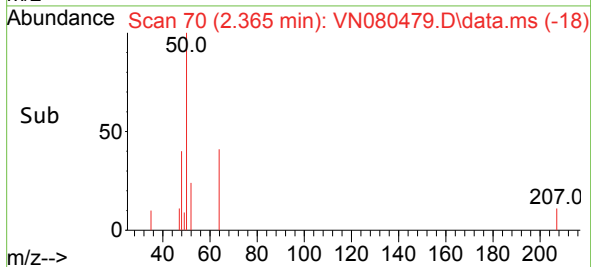
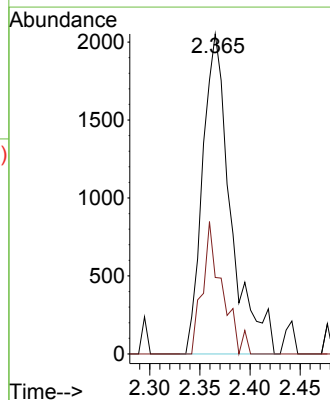
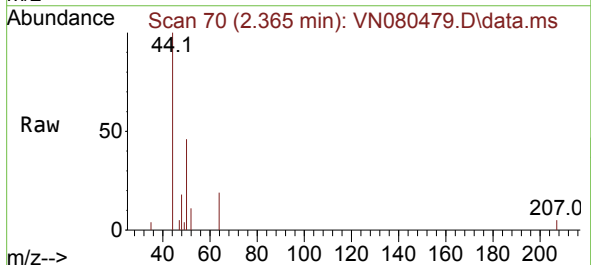
Instrument :
MSVOA_N
ClientSampleId :

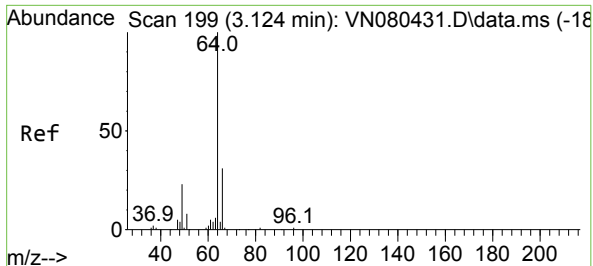
Tgt Ion:168 Resp: 238949
Ion Ratio Lower Upper
168 100
99 68.5 53.0 79.6



#3
Chloromethane
Concen: 0.862 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

Tgt Ion: 50 Resp: 4017
Ion Ratio Lower Upper
50 100
52 23.9 26.5 39.7#

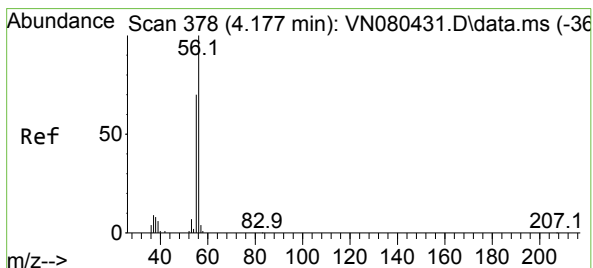
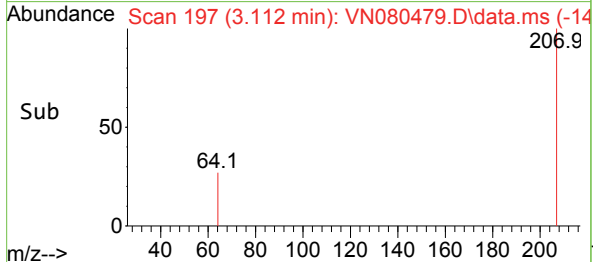
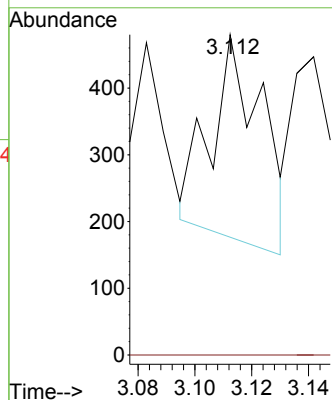
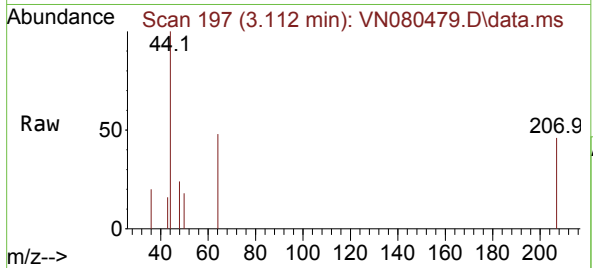




#6
Chloroethane
Concen: 0.226 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

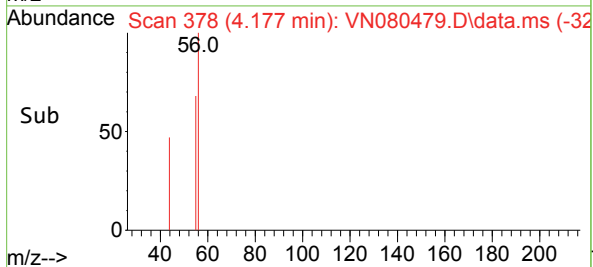
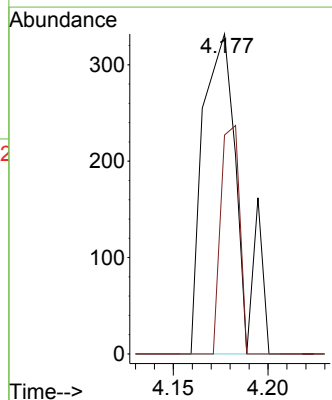
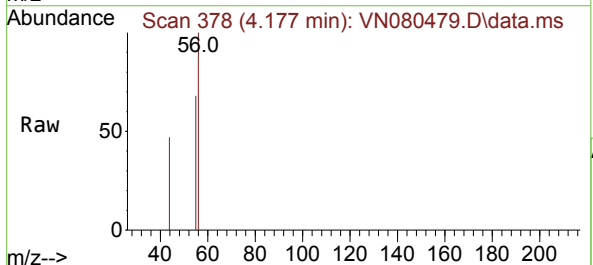
Instrument :
MSVOA_N
ClientSampleId :

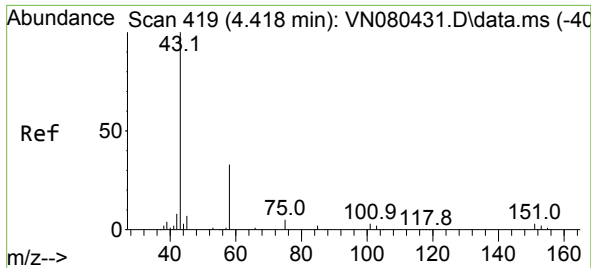
Tgt Ion: 64 Resp: 378
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 1.118 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

Tgt Ion: 56 Resp: 440
Ion Ratio Lower Upper
56 100
55 37.3 54.5 81.7#

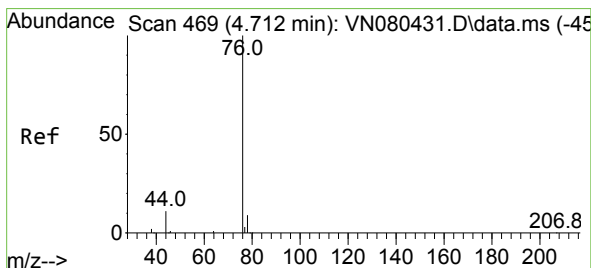
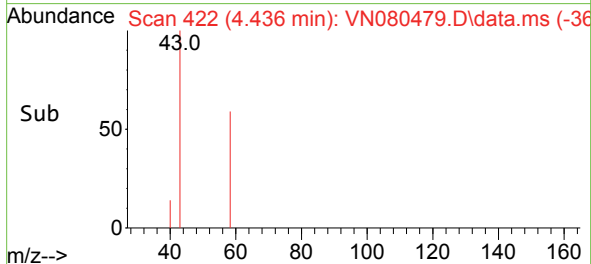
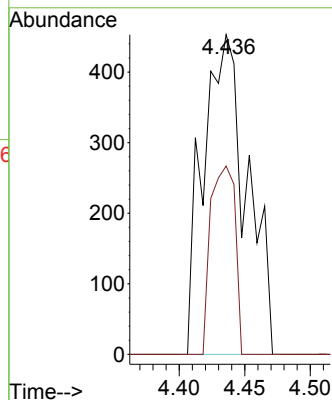
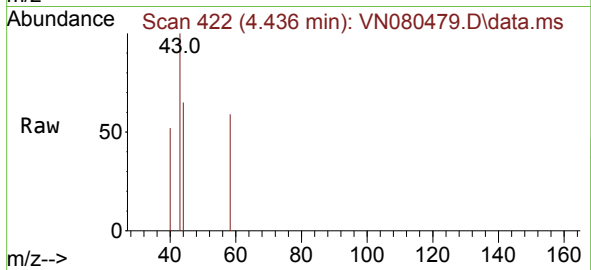




#16
Acetone
Concen: 1.946 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

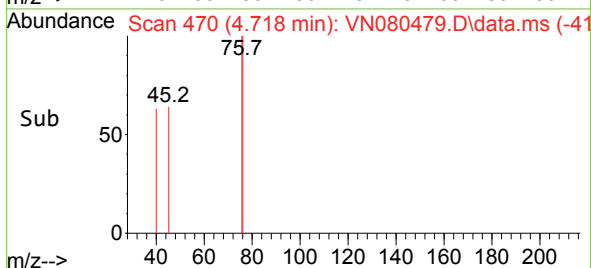
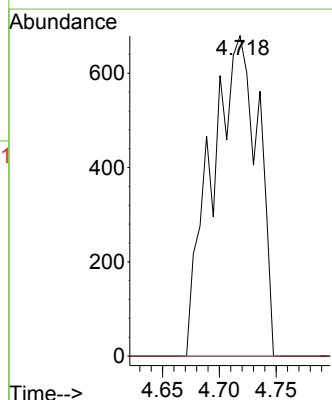
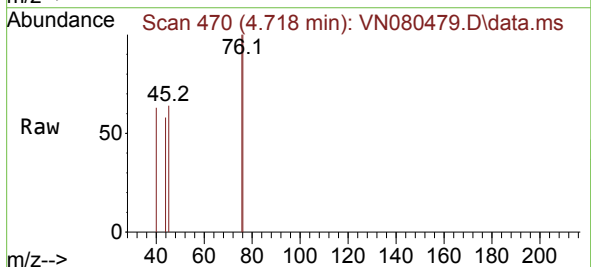
Instrument :
MSVOA_N
ClientSampleId :

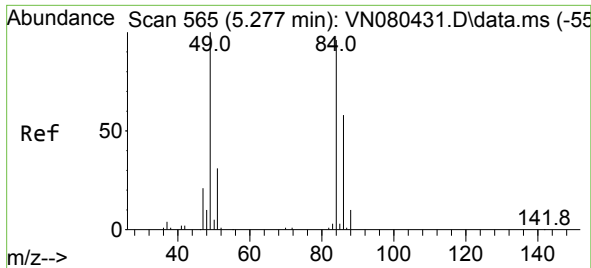
Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
58 58.9 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.266 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

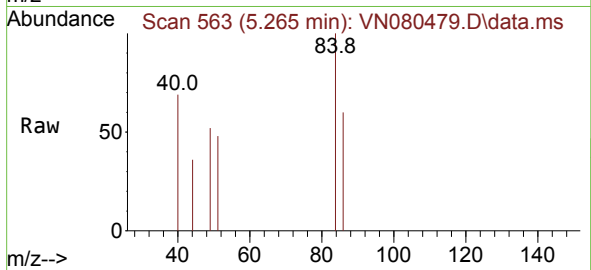
Tgt Ion: 76 Resp: 1939
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



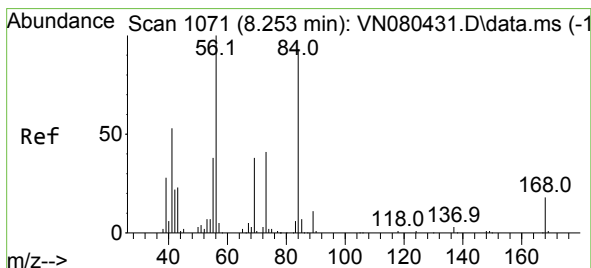
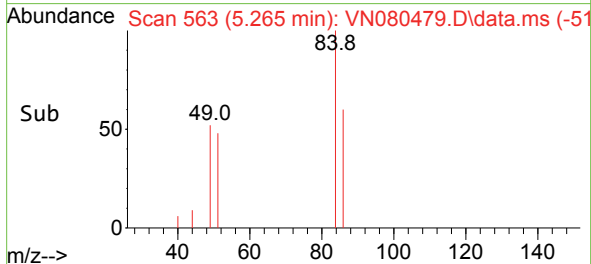
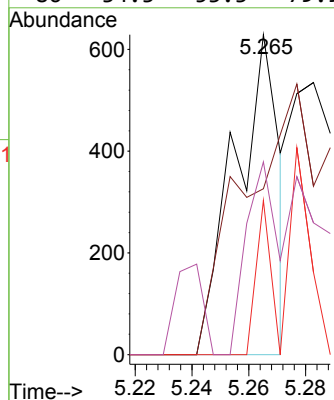


#20
Methylene Chloride
Concen: 0.238 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

Instrument :
MSVOA_N
ClientSampleId :

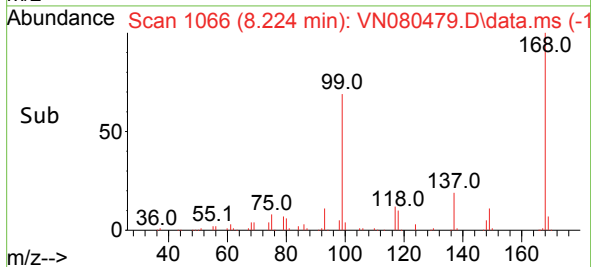
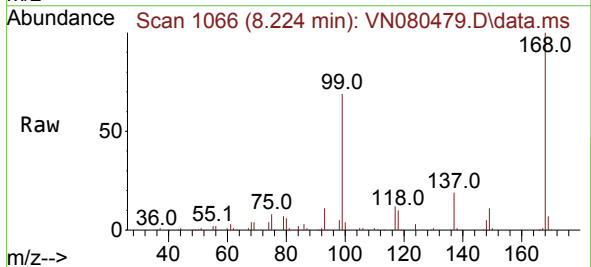
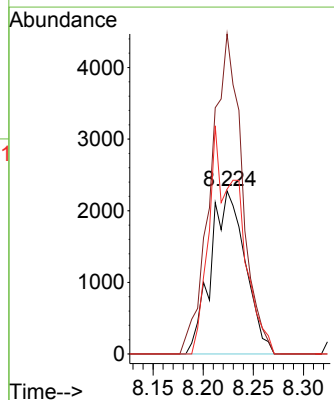


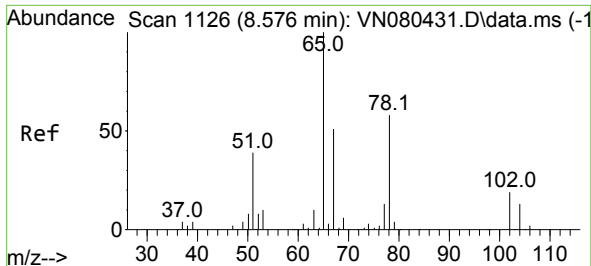
Tgt Ion:	84	Resp:	689
Ion	Ratio	Lower	Upper
84	100		
49	51.8	79.7	119.5#
51	48.2	25.2	37.8#
86	34.3	53.3	79.9#



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

Tgt Ion:	56	Resp:	5482
Ion	Ratio	Lower	Upper
56	100		
69	196.4	26.8	40.2#
84	101.1	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 51.640 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080479.D

Acq: 14 Dec 2023 12:35

Instrument :

MSVOA_N

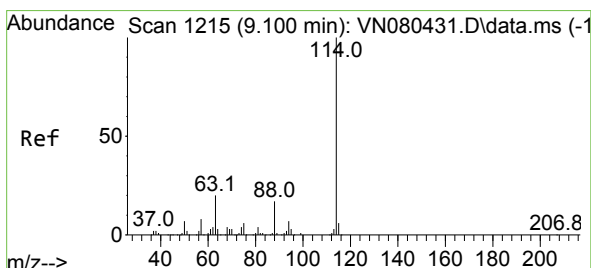
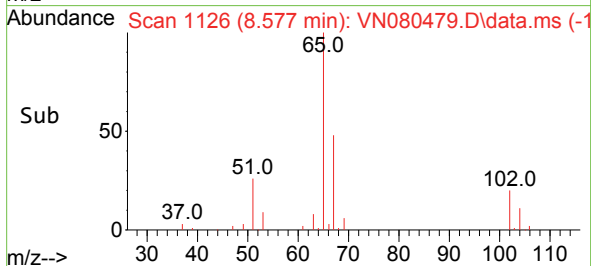
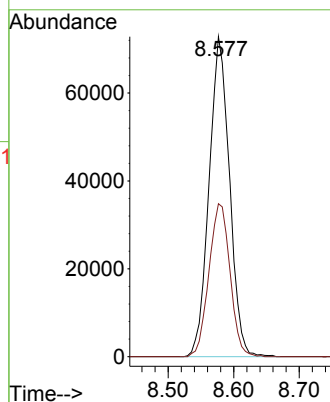
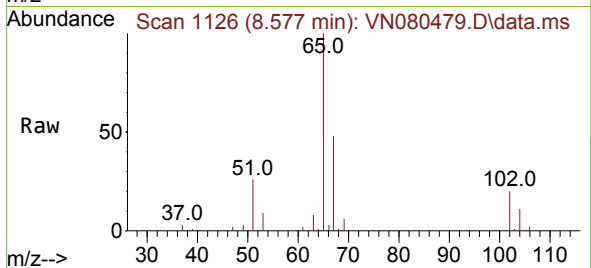
ClientSampleId :

Tgt Ion: 65 Resp: 157600

Ion Ratio Lower Upper

65 100

67 49.3 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: VN080479.D

Acq: 14 Dec 2023 12:35

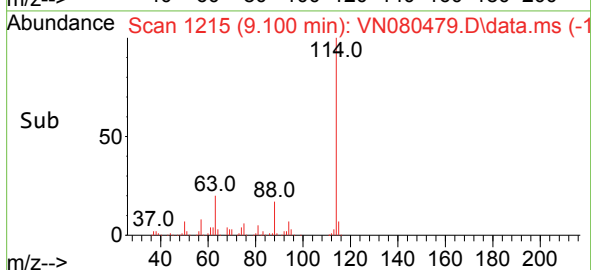
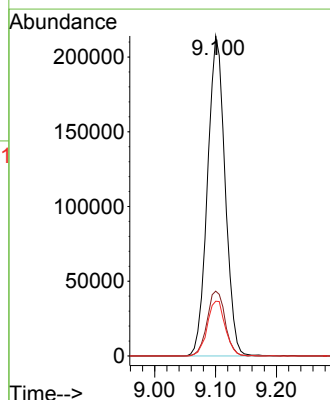
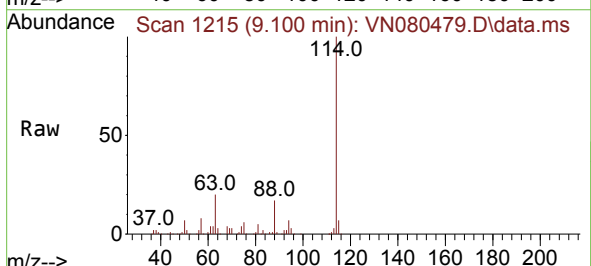
Tgt Ion: 114 Resp: 429372

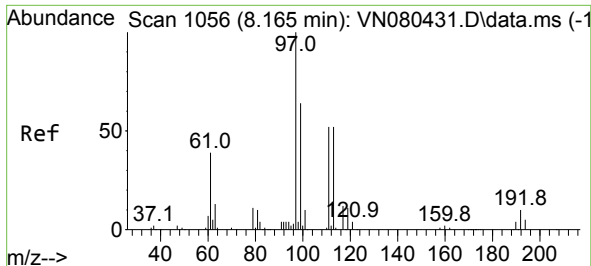
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 17.1 0.0 30.6

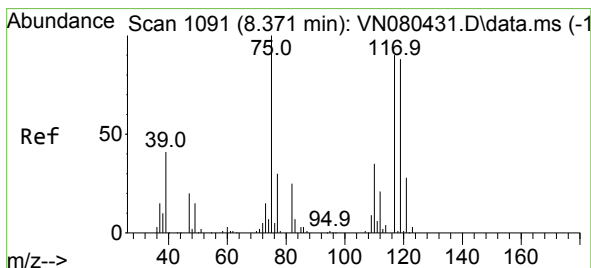
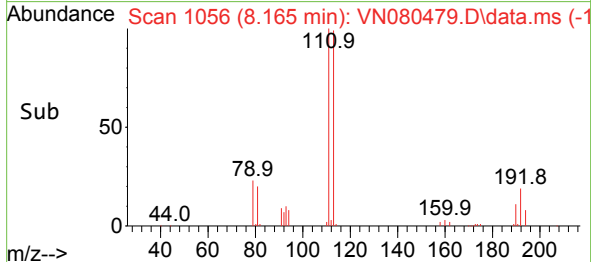
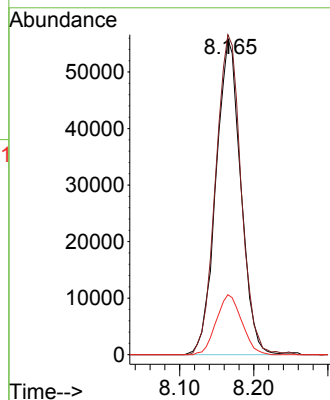
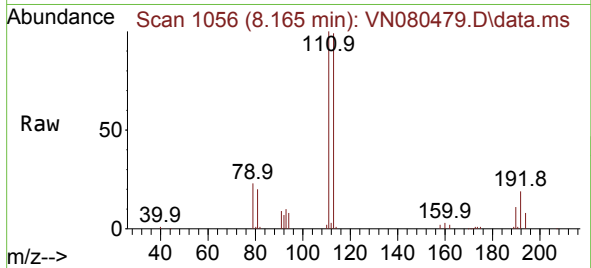




#35
Dibromofluoromethane
Concen: 47.703 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

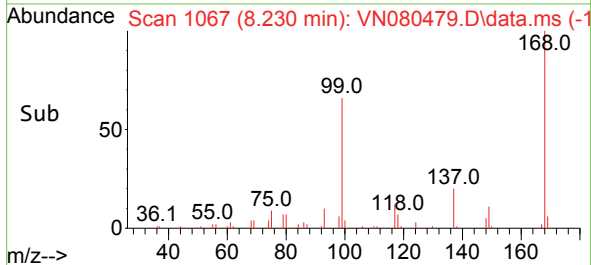
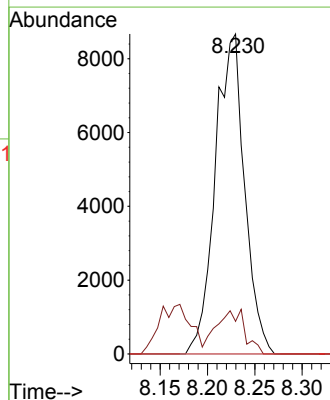
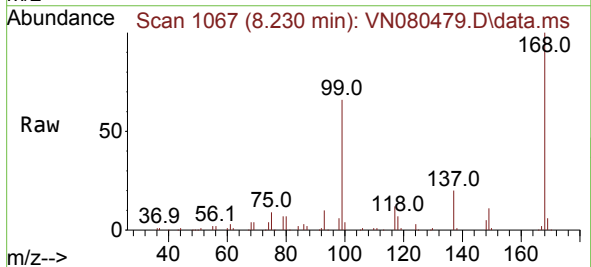
Instrument :
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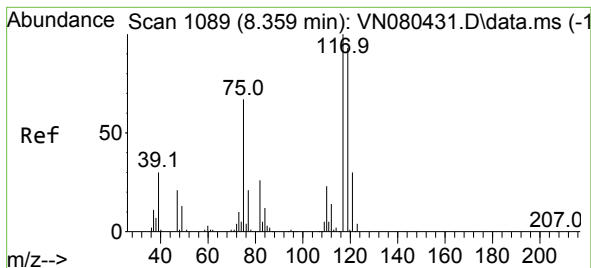
Tgt Ion:113 Resp: 129867
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 19.5 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.196 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

Tgt Ion: 75 Resp: 18679
Ion Ratio Lower Upper
75 100
110 13.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.186 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

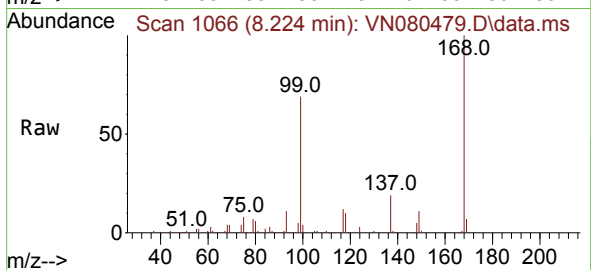
Lab File: VN080479.D

Acq: 14 Dec 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :



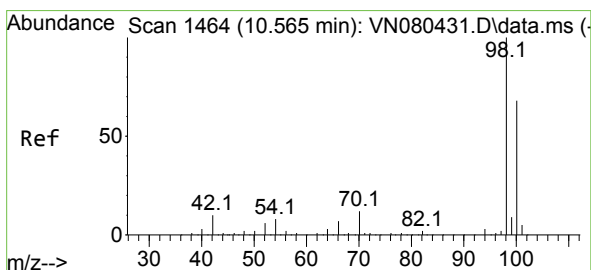
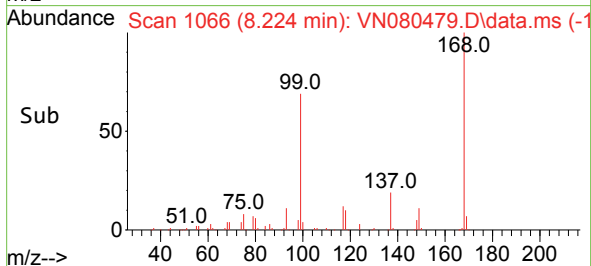
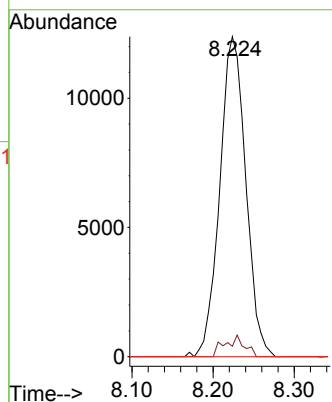
Tgt Ion:117 Resp: 27584

Ion Ratio Lower Upper

117 100

119 3.2 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 46.506 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080479.D

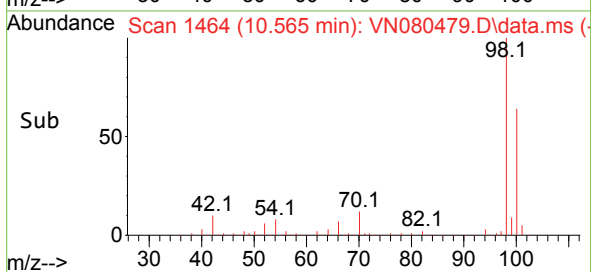
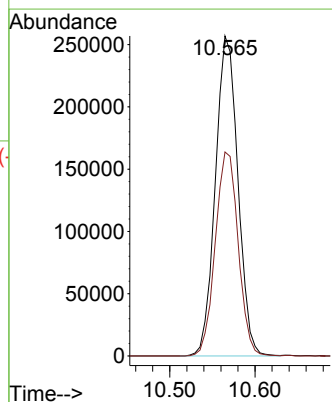
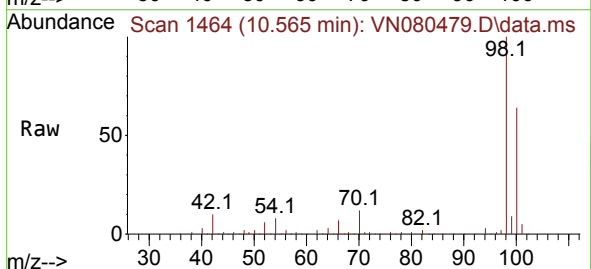
Acq: 14 Dec 2023 12:35

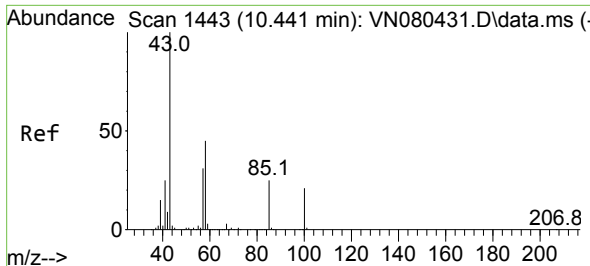
Tgt Ion: 98 Resp: 472177

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.533 ug/l

RT: 10.559 min Scan# 1443

Delta R.T. 0.118 min

Lab File: VN080479.D

Acq: 14 Dec 2023 12:35

Instrument :

MSVOA_N

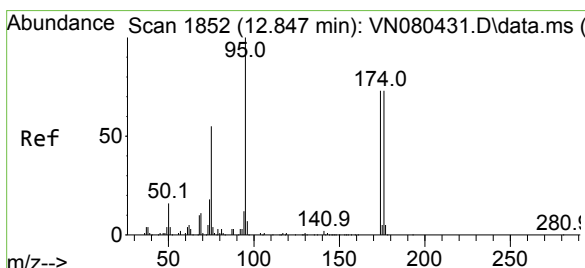
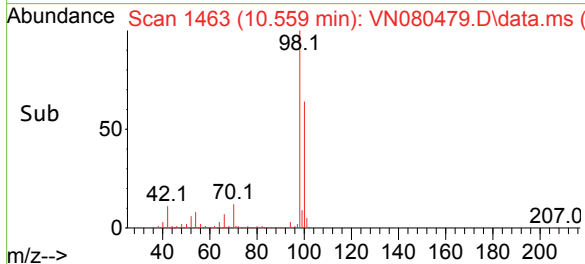
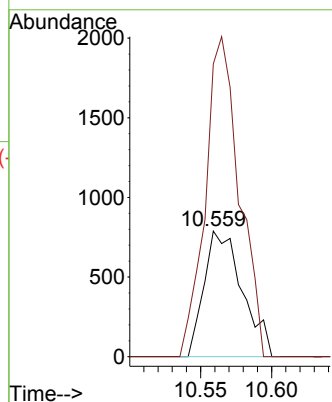
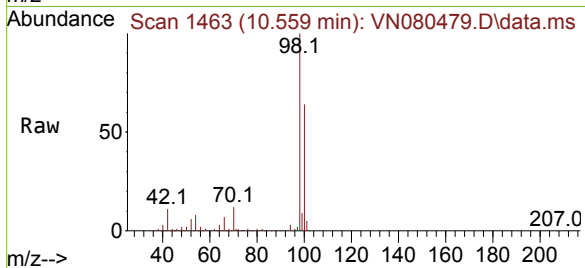
ClientSampleId :

Tgt Ion: 43 Resp: 1472

Ion Ratio Lower Upper

43 100

58 227.4 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 49.170 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN080479.D

Acq: 14 Dec 2023 12:35

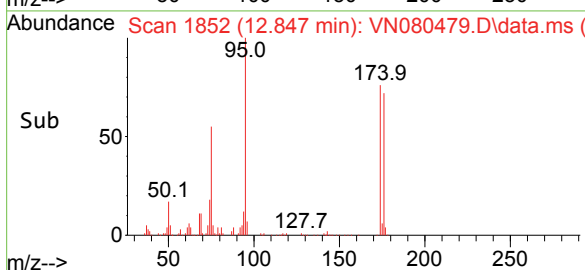
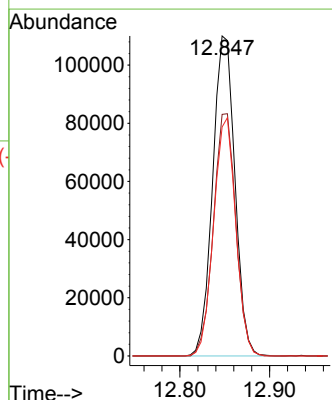
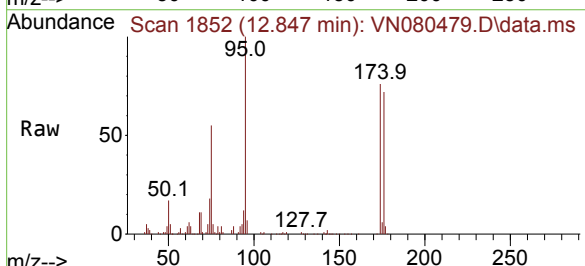
Tgt Ion: 95 Resp: 189571

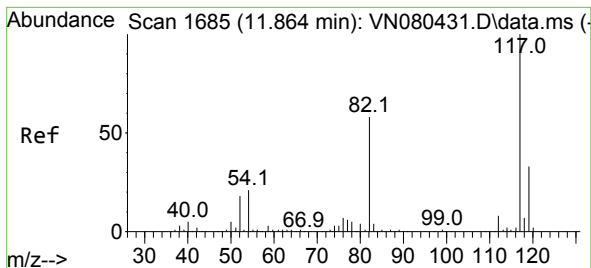
Ion Ratio Lower Upper

95 100

174 76.1 0.0 143.8

176 74.0 0.0 135.8

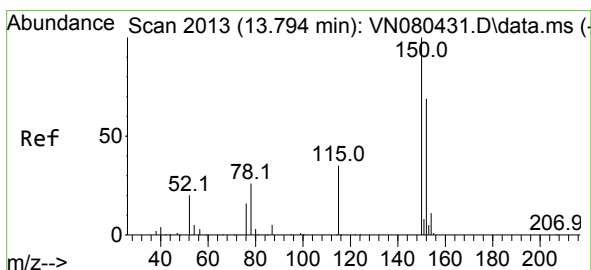
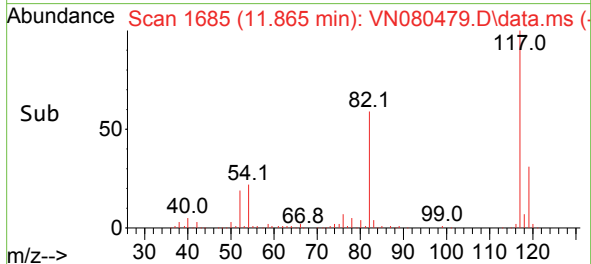
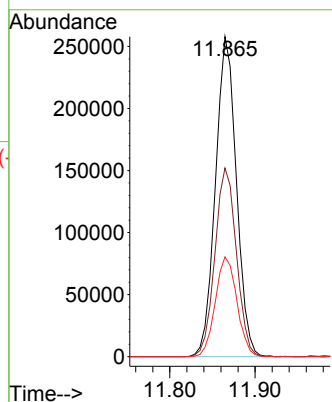
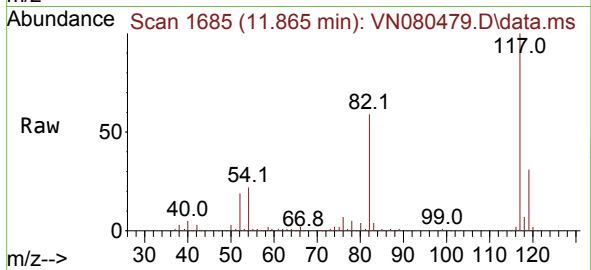




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

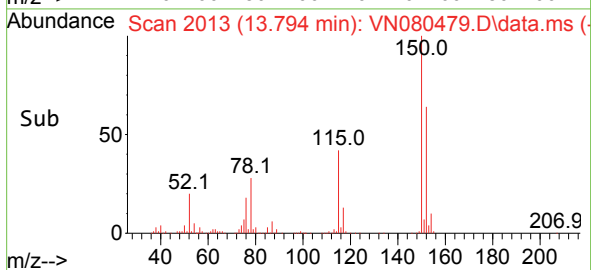
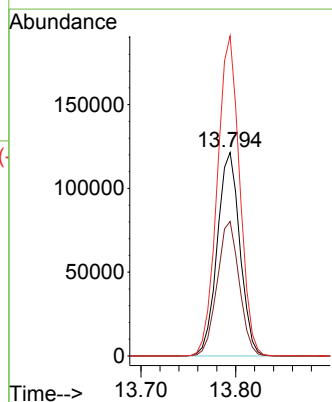
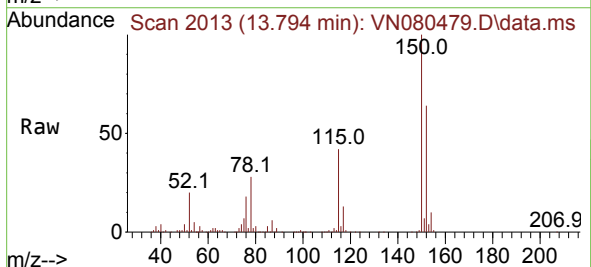
Instrument :
MSVOA_N
ClientSampleId :

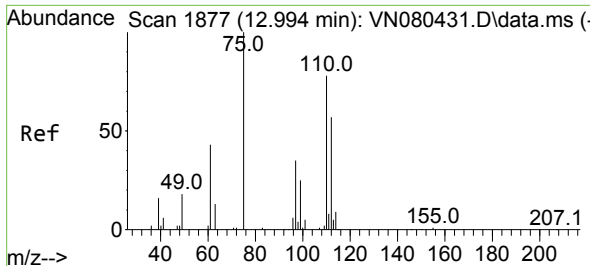
Tgt Ion:117 Resp: 440079
Ion Ratio Lower Upper
117 100
82 58.9 44.0 66.0
119 31.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

Tgt Ion:152 Resp: 201622
Ion Ratio Lower Upper
152 100
115 64.7 32.3 96.8
150 155.6 0.0 355.8

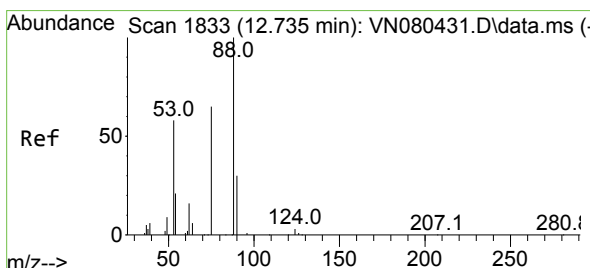
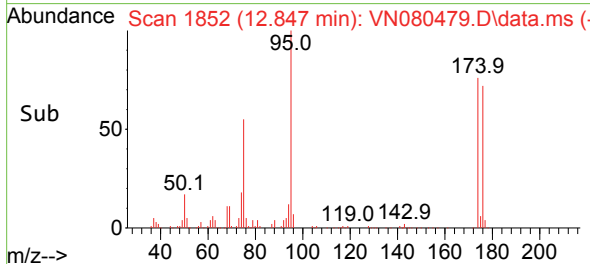
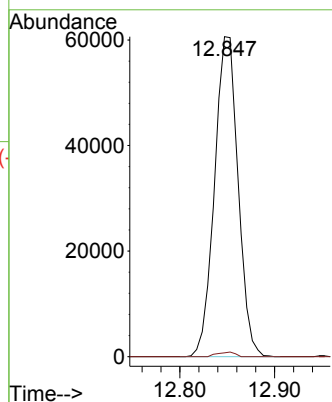
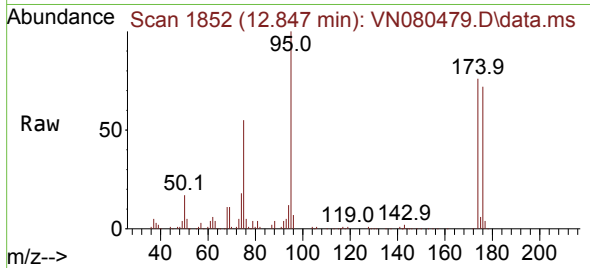




#76
1,2,3-Trichloropropane
Concen: 26.099 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

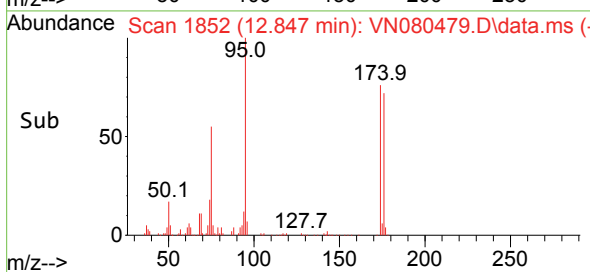
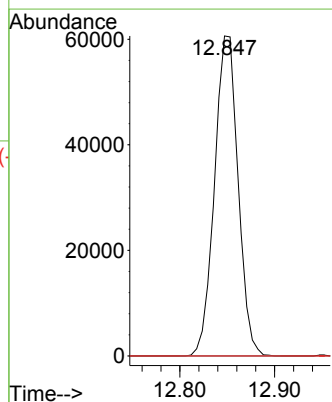
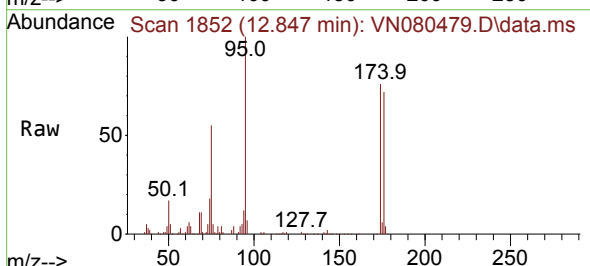
Instrument :
MSVOA_N
ClientSampleId :

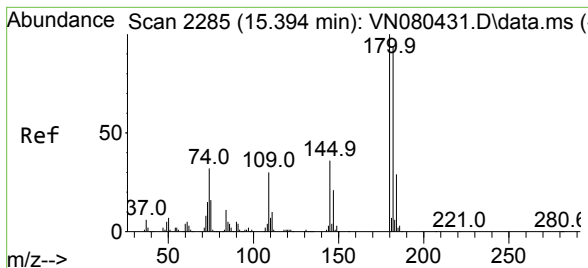
Tgt Ion: 75 Resp: 104979
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.526 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

Tgt Ion: 75 Resp: 104979
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: 0.213 ug/l

RT: 15.406 min Scan# 21

Delta R.T. 0.012 min

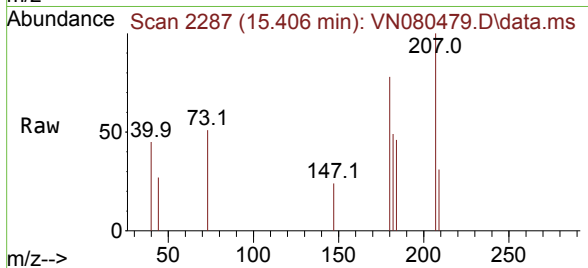
Lab File: VN080479.D

Acq: 14 Dec 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :



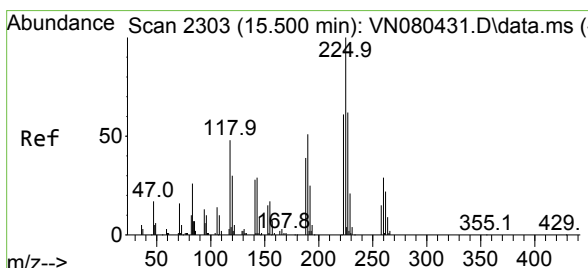
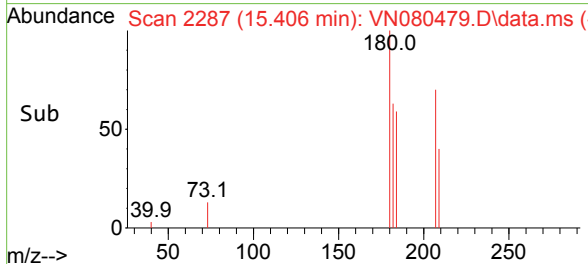
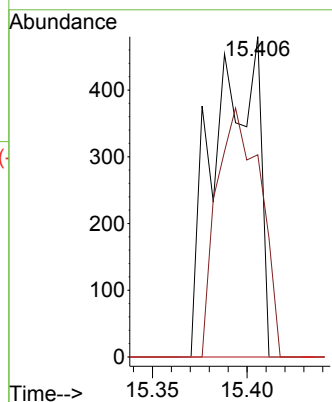
Tgt Ion:180 Resp: 790

Ion Ratio Lower Upper

180 100

182 75.7 46.1 138.2

145 0.0 16.6 49.8#



#94

Hexachlorobutadiene

Concen: 0.548 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN080479.D

Acq: 14 Dec 2023 12:35

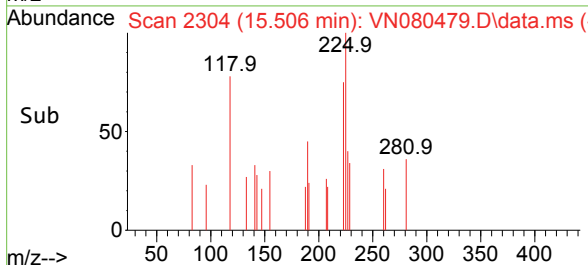
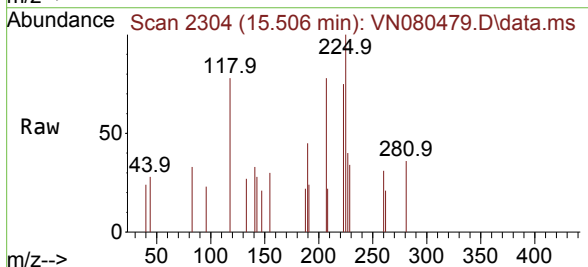
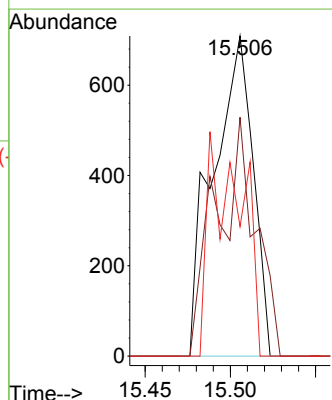
Tgt Ion:225 Resp: 1155

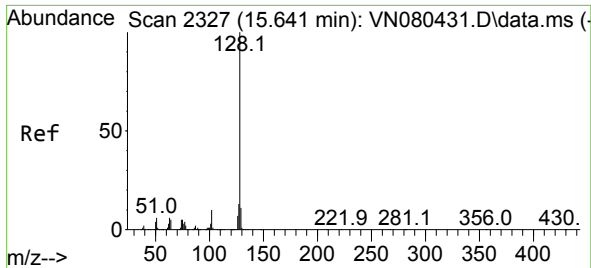
Ion Ratio Lower Upper

225 100

223 73.2 31.3 93.8

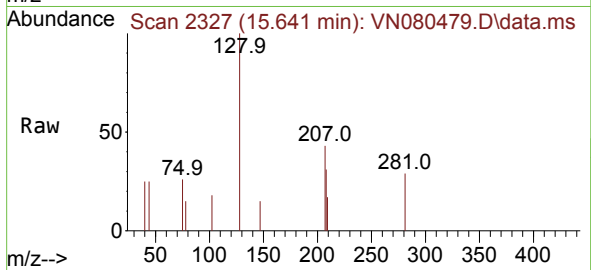
227 58.1 31.9 95.9





#95
Naphthalene
Concen: 0.205 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080479.D
Acq: 14 Dec 2023 12:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2306
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.0	15.0#
129	2.9	8.7	13.1#

