

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080456.D
 Acq On : 13 Dec 2023 12:55
 Operator : JC\MD
 Sample : 05688-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:05:07 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)

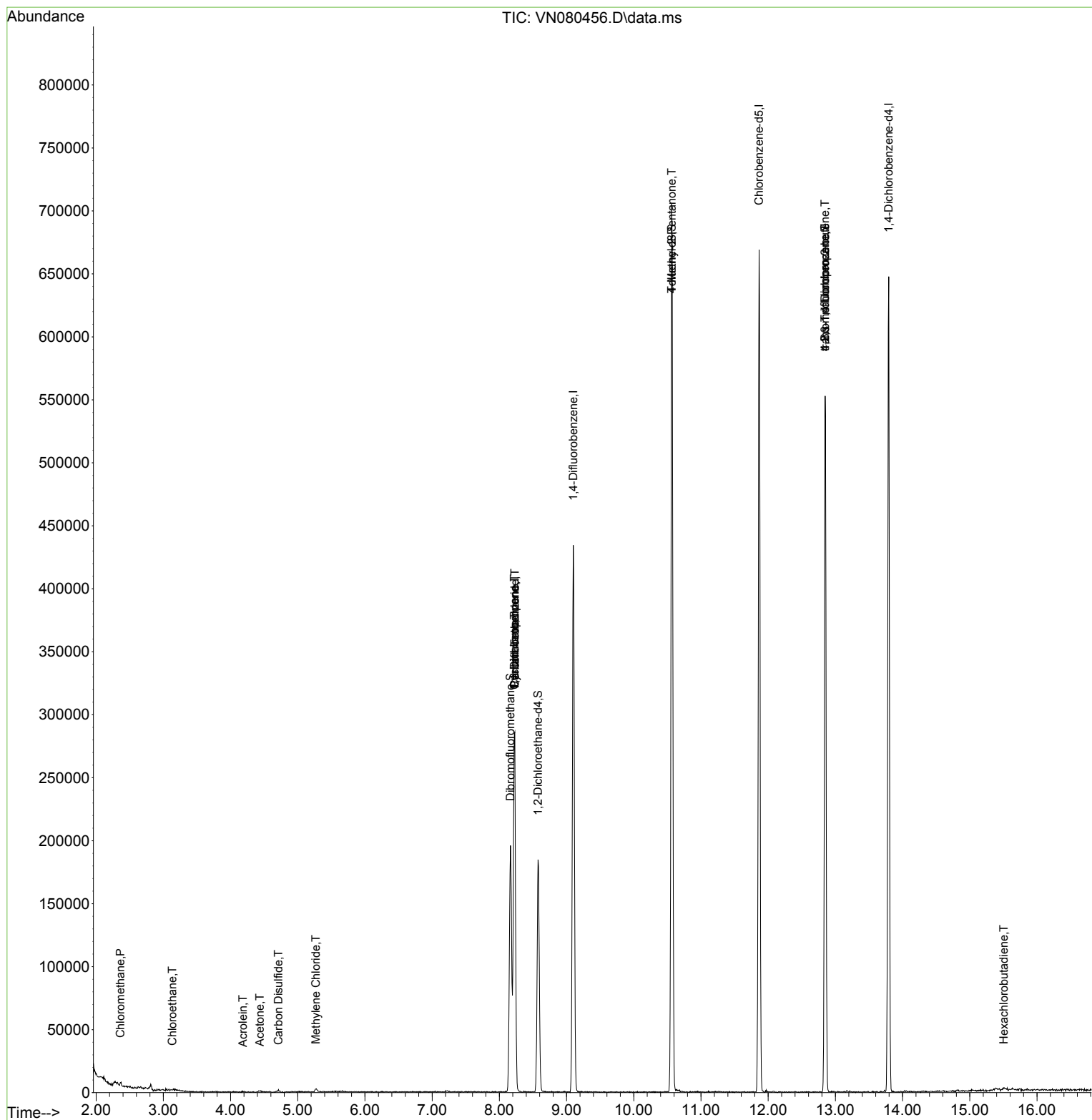
Internal Standards						
1) Pentafluorobenzene	8.230	168	205772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	377626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	390457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	173259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	164065	62.425	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.860%	
35) Dibromofluoromethane	8.165	113	138551	57.867	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.740%	
50) Toluene-d8	10.565	98	497959	55.766	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.540%	
62) 4-Bromofluorobenzene	12.847	95	199306	58.779	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2868	0.644	ug/l	91
6) Chloroethane	3.136	64	768	0.532	ug/l #	43
13) Acrolein	4.183	56	357	1.053	ug/l #	65
16) Acetone	4.436	43	1303	2.796	ug/l	94
17) Carbon Disulfide	4.712	76	1409	0.225	ug/l #	75
20) Methylene Chloride	5.271	84	1743	0.699	ug/l #	70
31) Cyclohexane	8.224	56	3998	1.119	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	16939	4.327	ug/l #	50
38) Carbon Tetrachloride	8.230	117	23633	5.052	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1781	0.734	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	108198	31.303	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108198	82.189	ug/l #	15
94) Hexachlorobutadiene	15.506	225	412	0.228	ug/l	84

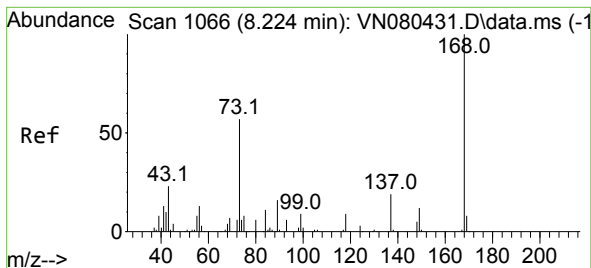
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN080456.D

Acq: 13 Dec 2023 12:55

Instrument :

MSVOA_N

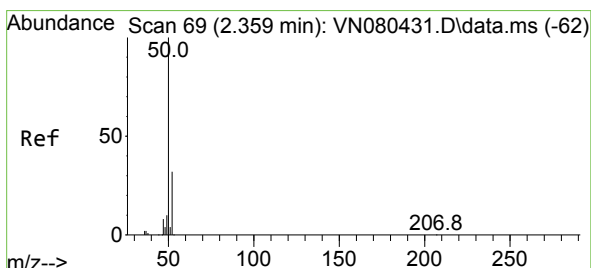
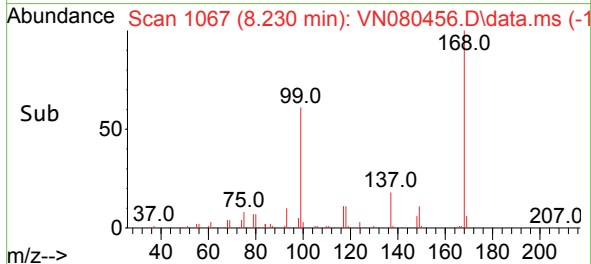
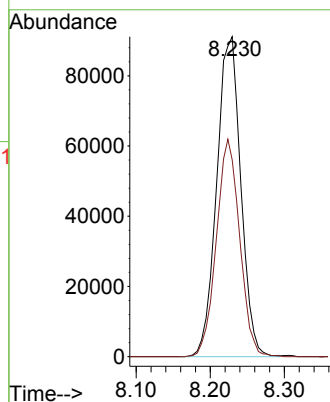
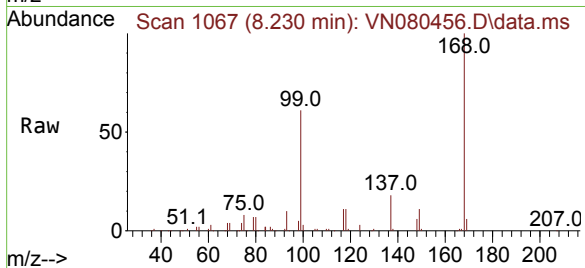
ClientSampleId :

Tgt Ion:168 Resp: 205772

Ion Ratio Lower Upper

168 100

99 61.5 53.0 79.6



#3

Chloromethane

Concen: 0.644 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080456.D

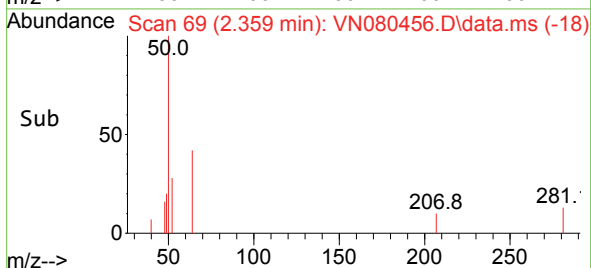
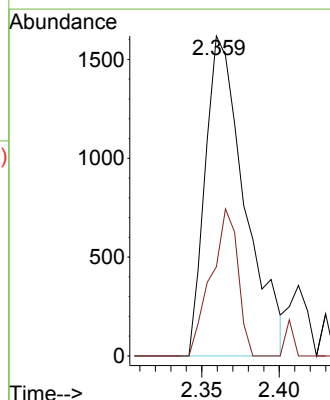
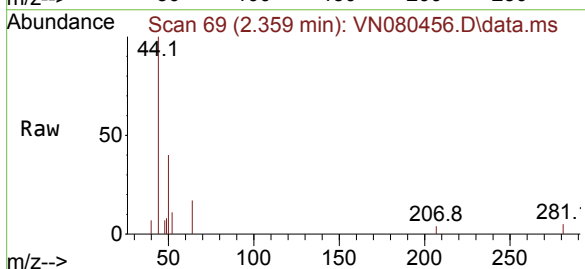
Acq: 13 Dec 2023 12:55

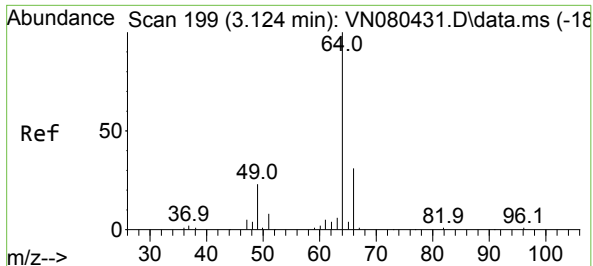
Tgt Ion: 50 Resp: 2868

Ion Ratio Lower Upper

50 100

52 27.9 26.5 39.7

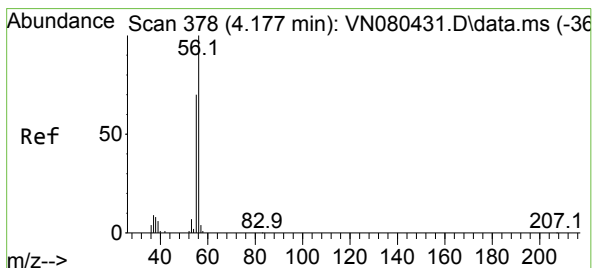
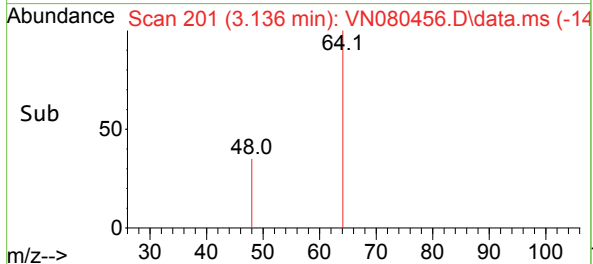
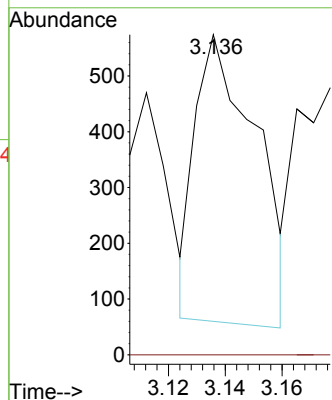
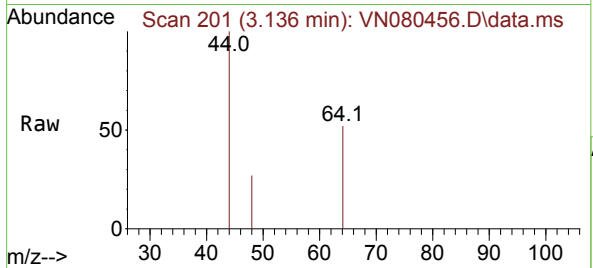




#6
Chloroethane
Concen: 0.532 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.012 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55

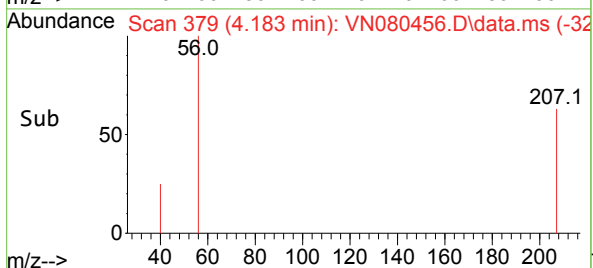
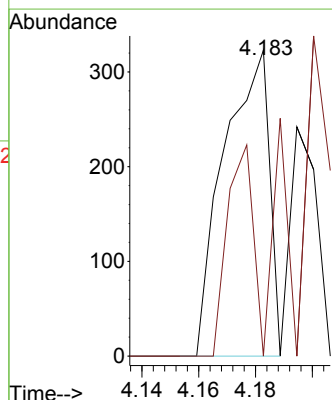
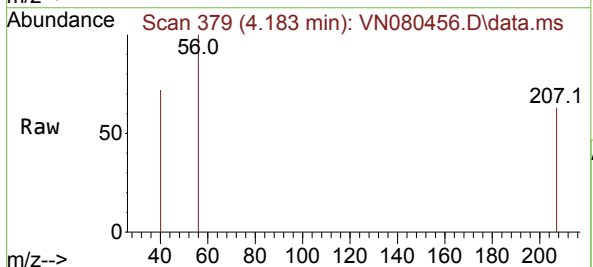
Instrument :
MSVOA_N
ClientSampleId :

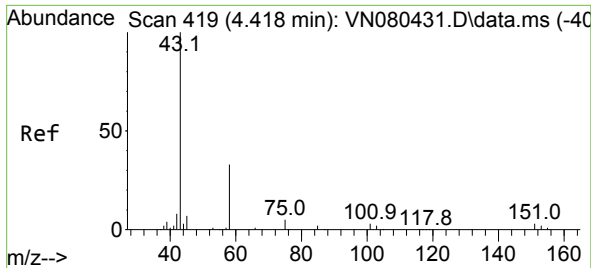
Tgt Ion: 64 Resp: 768
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 1.053 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55

Tgt Ion: 56 Resp: 357
Ion Ratio Lower Upper
56 100
55 39.5 54.5 81.7#

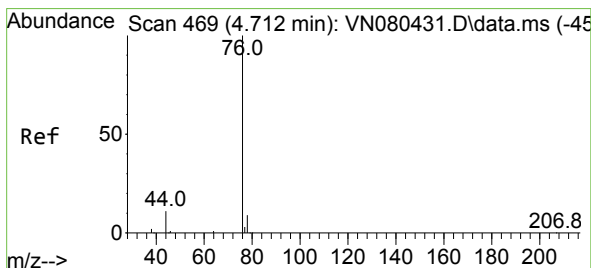
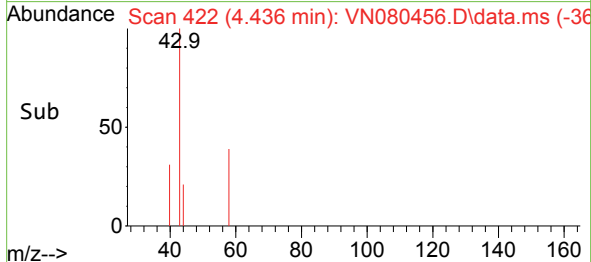
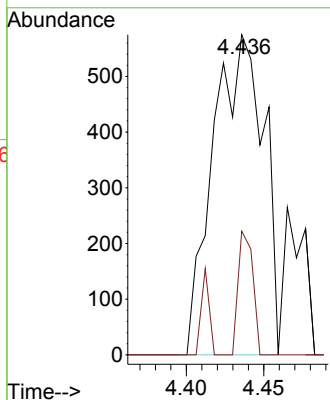
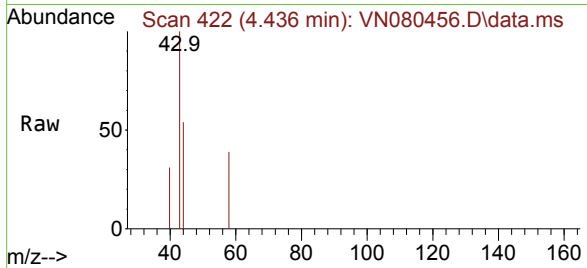




#16
Acetone
Concen: 2.796 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55

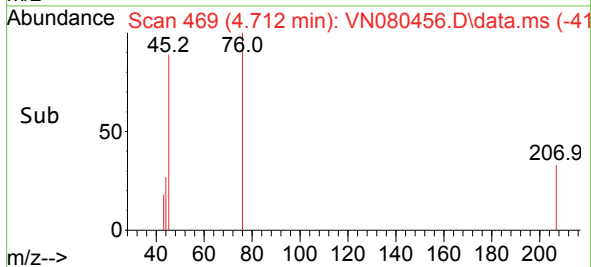
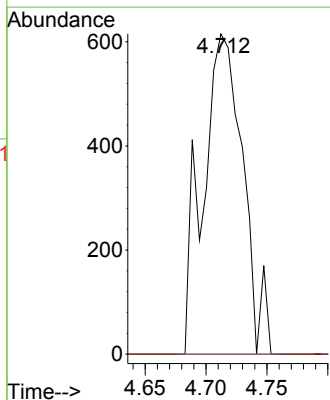
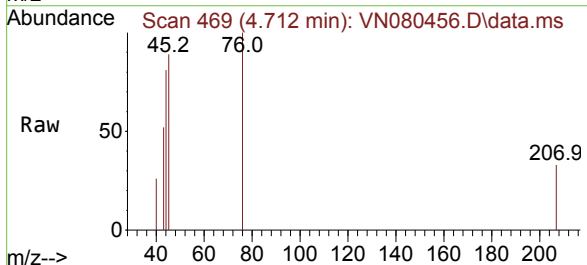
Instrument :
MSVOA_N
ClientSampleId :

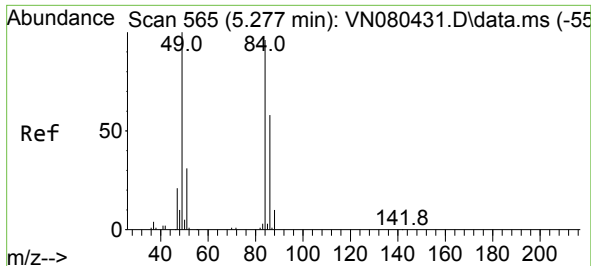
Tgt Ion: 43 Resp: 1303
Ion Ratio Lower Upper
43 100
58 38.6 28.0 42.0



#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55

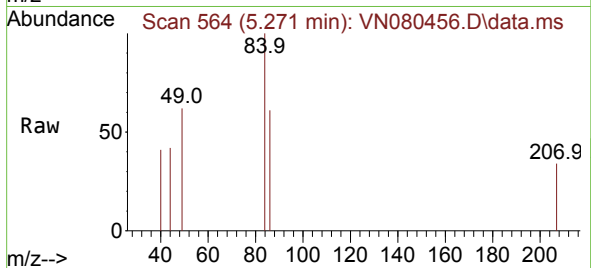
Tgt Ion: 76 Resp: 1409
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



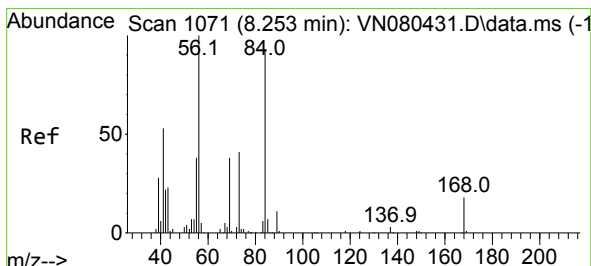
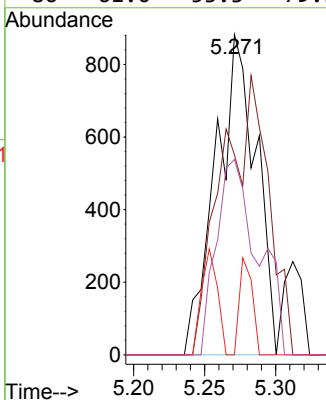
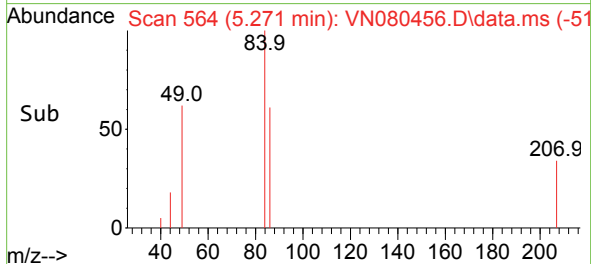


#20
Methylene Chloride
Concen: 0.699 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55

Instrument :
MSVOA_N
ClientSampleId :

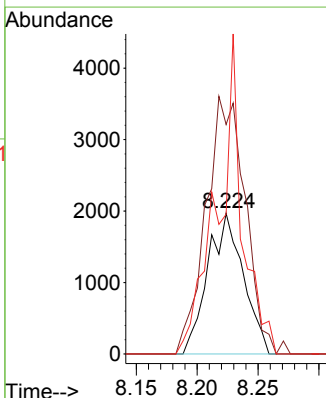
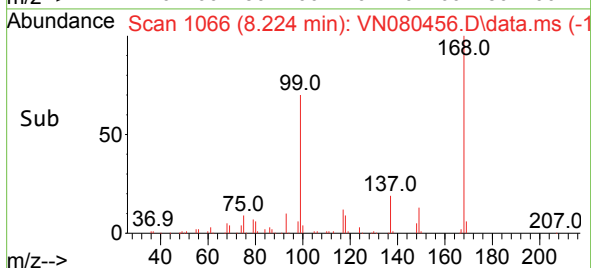
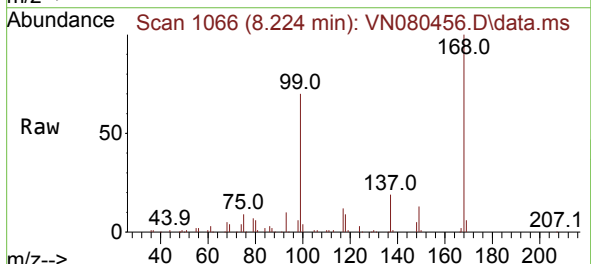


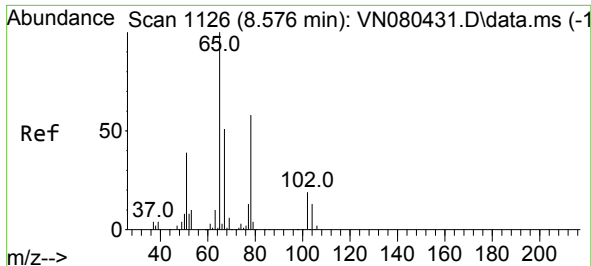
Tgt Ion:	84	Resp:	1743
Ion	Ratio	Lower	Upper
84	100		
49	62.5	79.7	119.5#
51	0.0	25.2	37.8#
86	61.0	53.3	79.9



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55

Tgt Ion:	56	Resp:	3998
Ion	Ratio	Lower	Upper
56	100		
69	163.0	26.8	40.2#
84	99.2	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 62.425 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080456.D

Acq: 13 Dec 2023 12:55

Instrument :

MSVOA_N

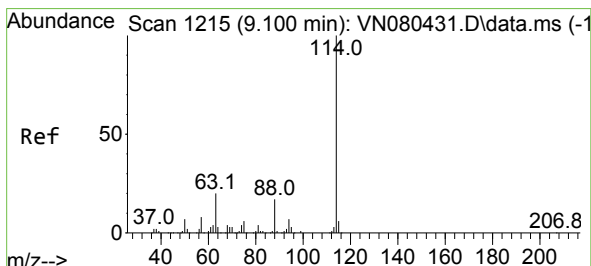
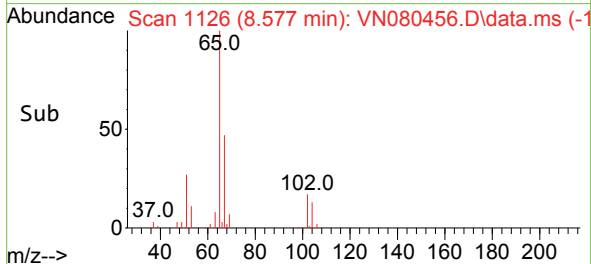
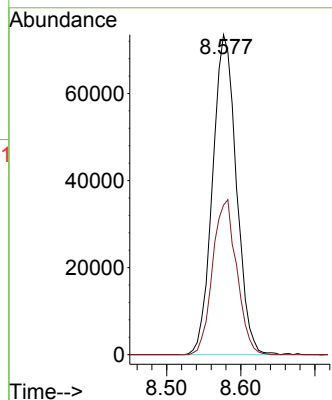
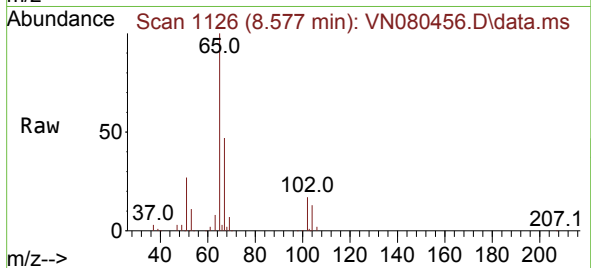
ClientSampleId :

Tgt Ion: 65 Resp: 164065

Ion Ratio Lower Upper

65 100

67 49.0 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: VN080456.D

Acq: 13 Dec 2023 12:55

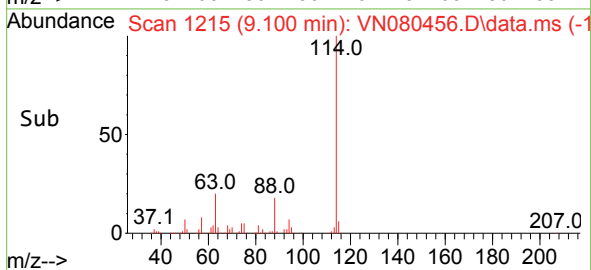
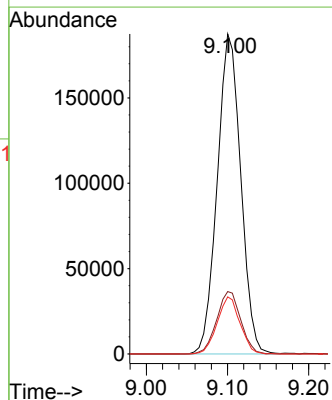
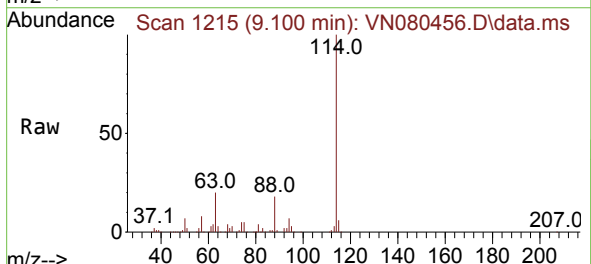
Tgt Ion: 114 Resp: 377626

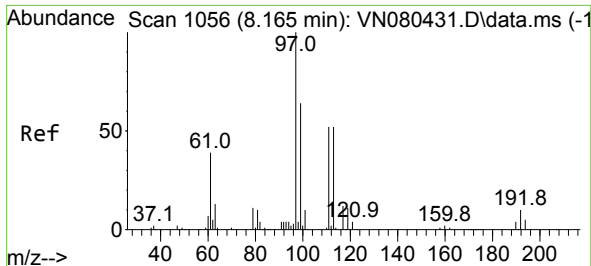
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 17.8 0.0 30.6

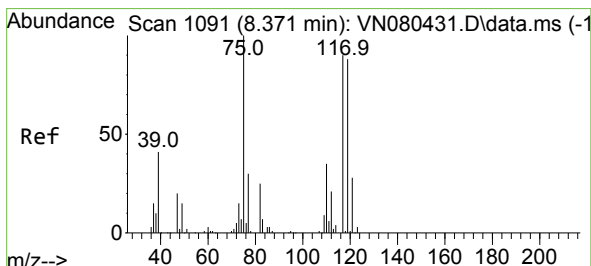
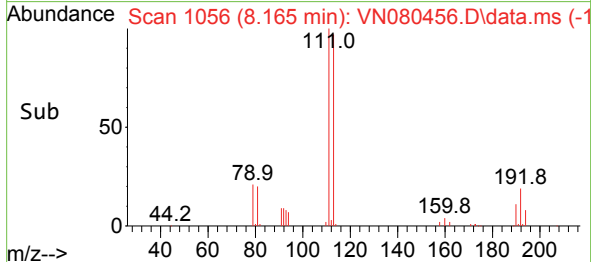
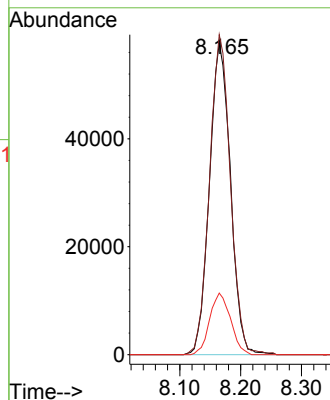
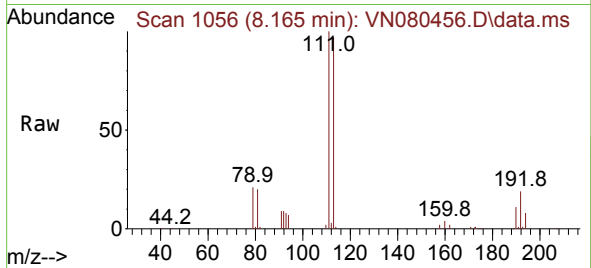




#35
 Dibromofluoromethane
 Concen: 57.867 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VN080456.D
 Acq: 13 Dec 2023 12:55

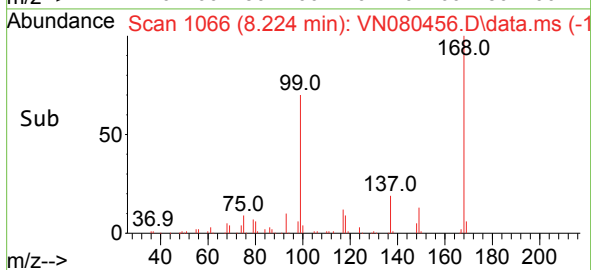
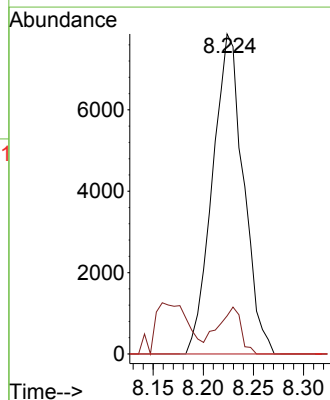
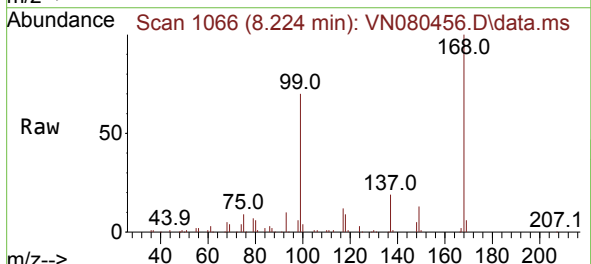
Instrument :
 MSVOA_N
 ClientSampleId :

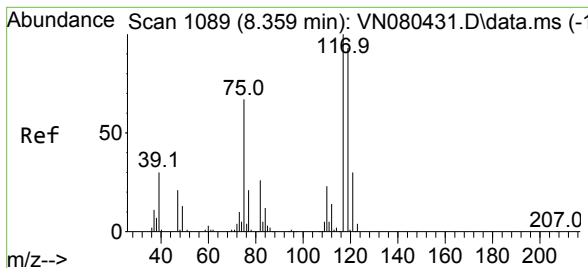
Tgt Ion:113 Resp: 138551
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 123.8
 192 19.7 12.7 19.1#



#36
 1,1-Dichloropropene
 Concen: 4.327 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN080456.D
 Acq: 13 Dec 2023 12:55

Tgt Ion: 75 Resp: 16939
 Ion Ratio Lower Upper
 75 100
 110 11.0 19.1 57.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.052 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

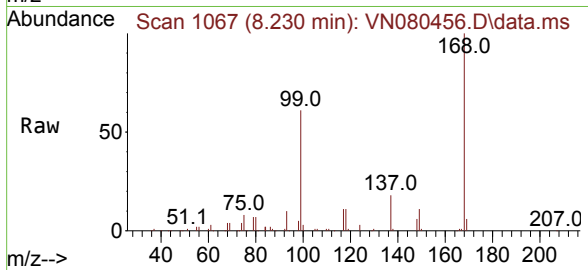
Lab File: VN080456.D

Acq: 13 Dec 2023 12:55

Instrument :

MSVOA_N

ClientSampleId :



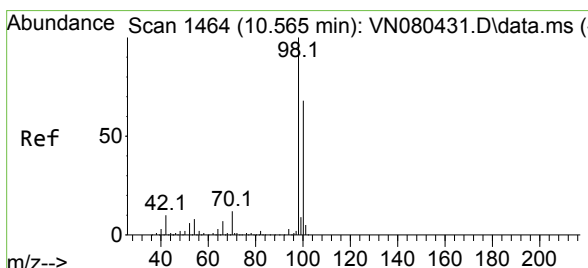
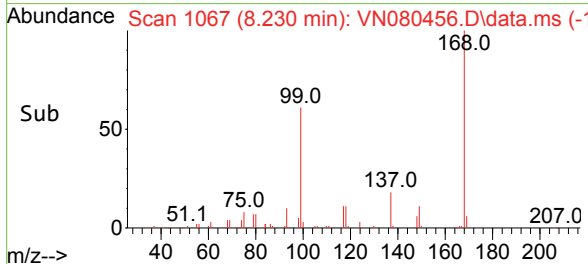
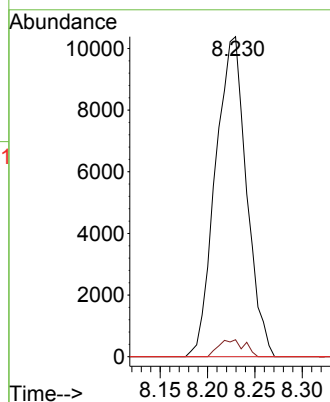
Tgt Ion:117 Resp: 23633

Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 55.766 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080456.D

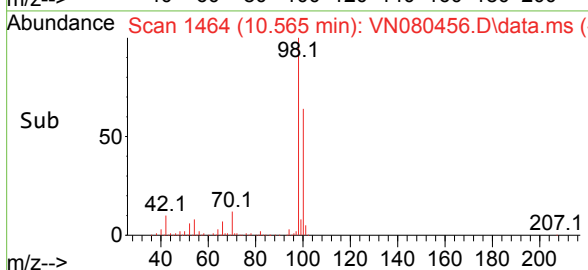
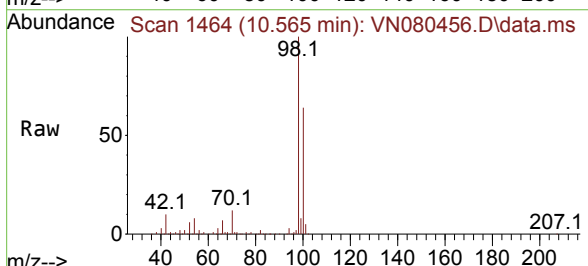
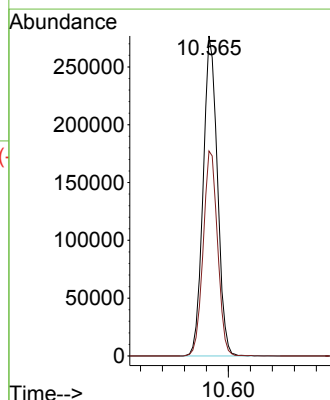
Acq: 13 Dec 2023 12:55

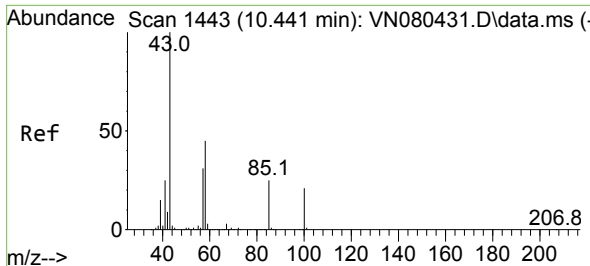
Tgt Ion: 98 Resp: 497959

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

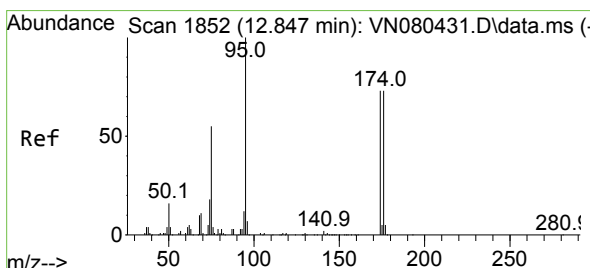
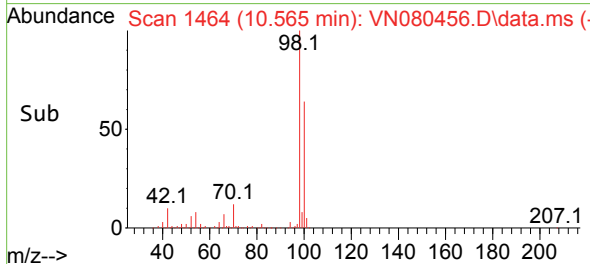
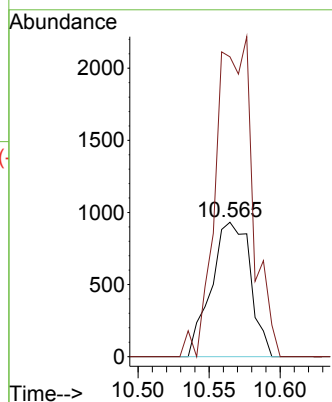
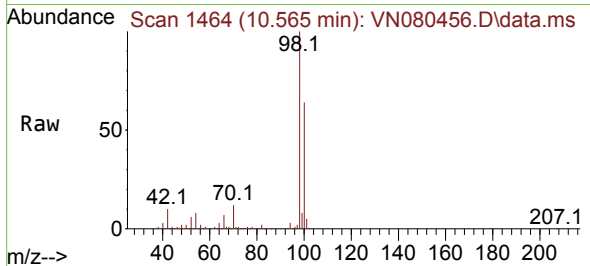




#51
 4-Methyl-2-Pentanone
 Concen: 0.734 ug/l
 RT: 10.565 min Scan# 1464
 Delta R.T. 0.124 min
 Lab File: VN080456.D
 Acq: 13 Dec 2023 12:55

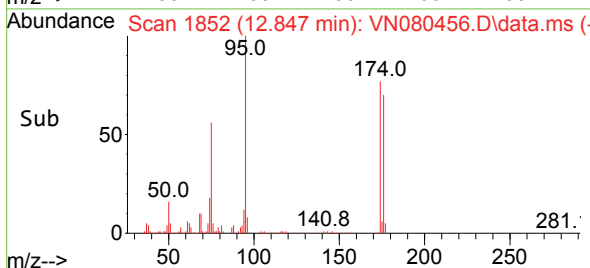
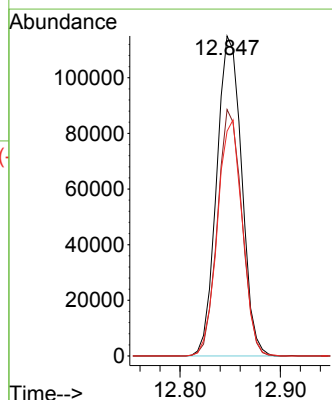
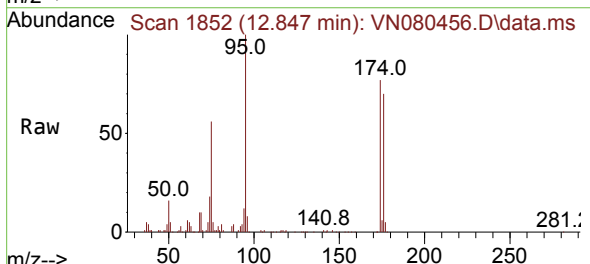
Instrument :
 MSVOA_N
 ClientSampleId :

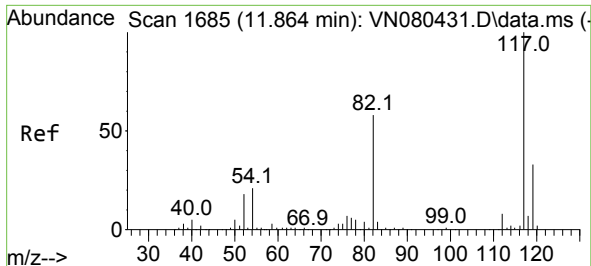
Tgt Ion: 43 Resp: 1781
 Ion Ratio Lower Upper
 43 100
 58 223.8 36.6 54.8#



#62
 4-Bromofluorobenzene
 Concen: 58.779 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN080456.D
 Acq: 13 Dec 2023 12:55

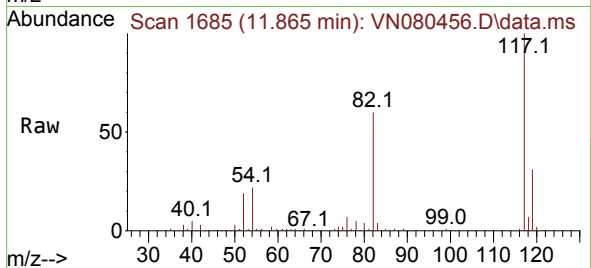
Tgt Ion: 95 Resp: 199306
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 143.8
 176 73.5 0.0 135.8



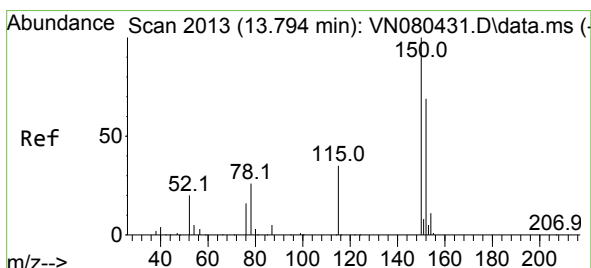
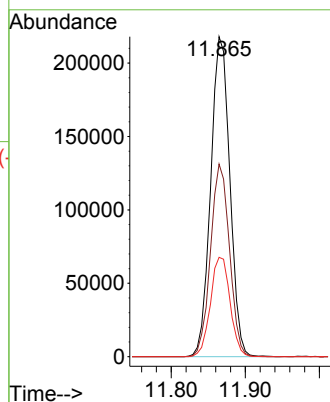
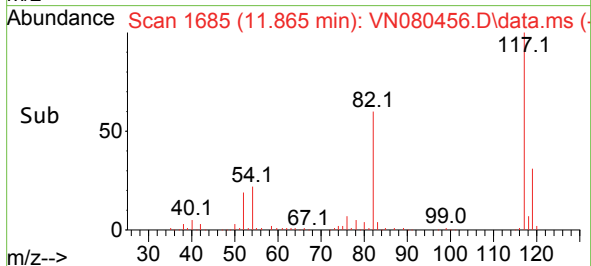


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55

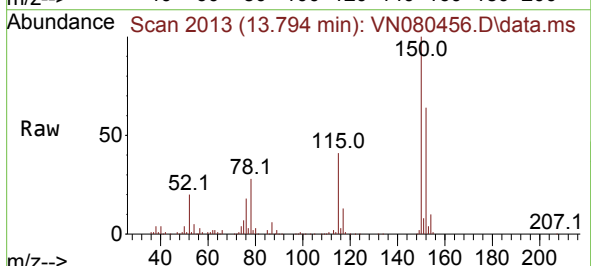
Instrument :
MSVOA_N
ClientSampleId :



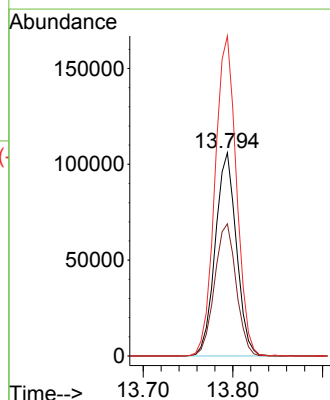
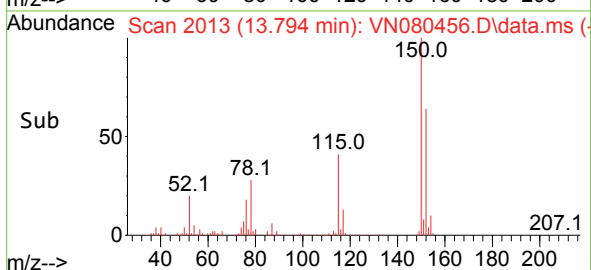
Tgt Ion:117 Resp: 390457
Ion Ratio Lower Upper
117 100
82 60.2 44.0 66.0
119 31.0 25.6 38.4

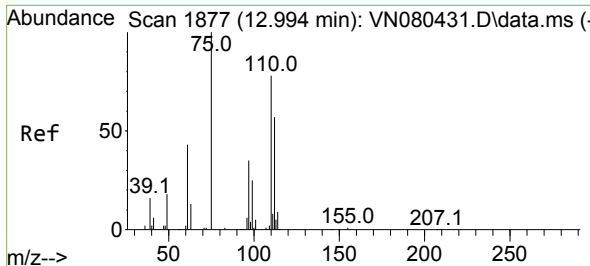


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55



Tgt Ion:152 Resp: 173259
Ion Ratio Lower Upper
152 100
115 66.7 32.3 96.8
150 159.6 0.0 355.8

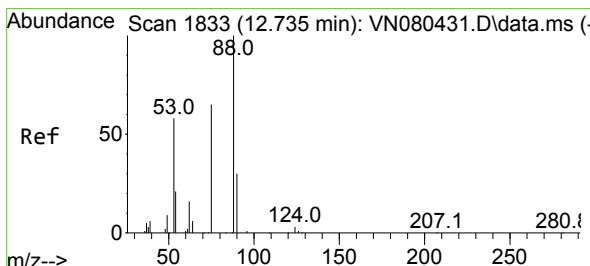
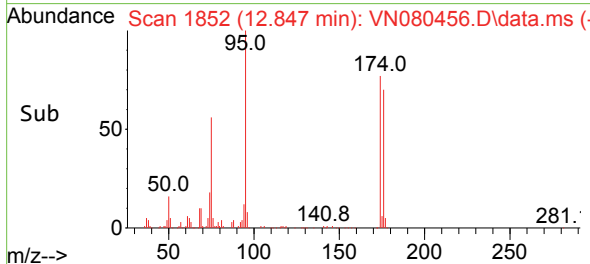
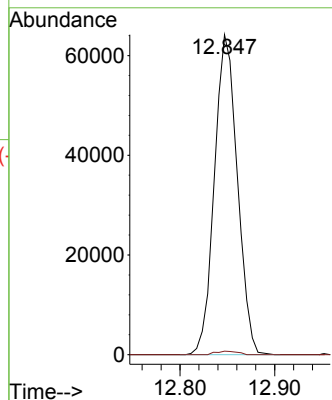
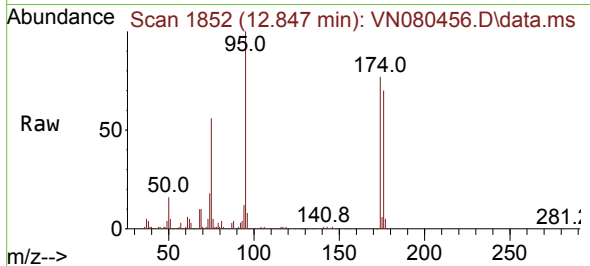




#76
1,2,3-Trichloropropane
Concen: 31.303 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55

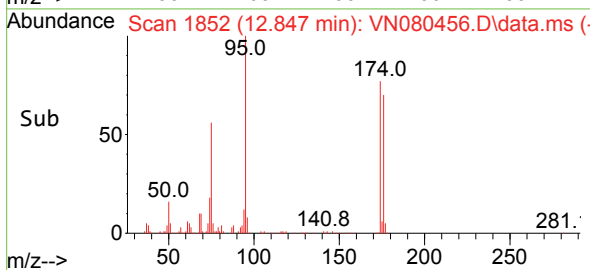
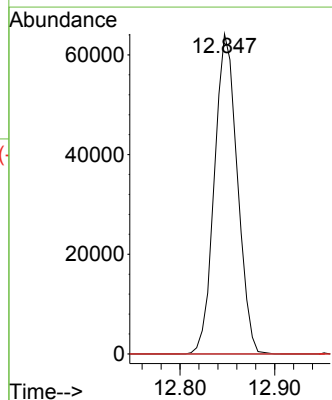
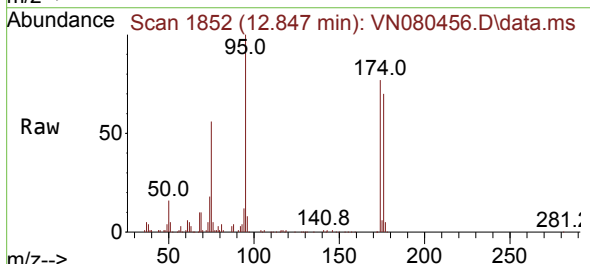
Instrument :
MSVOA_N
ClientSampleId :

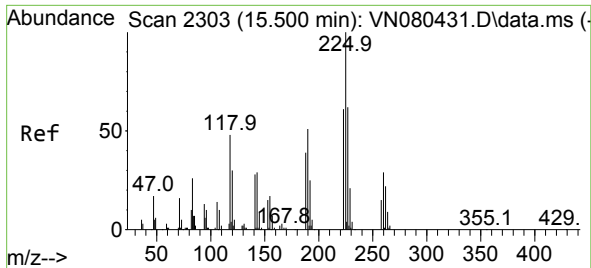
Tgt Ion: 75 Resp: 108198
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.189 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080456.D
Acq: 13 Dec 2023 12:55

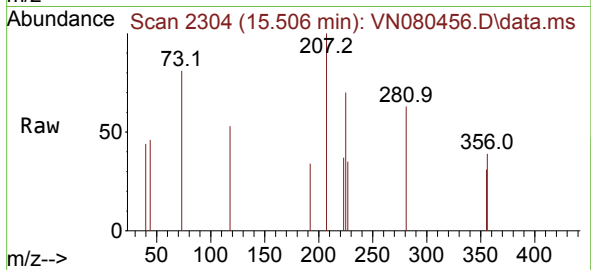
Tgt Ion: 75 Resp: 108198
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#94
 Hexachlorobutadiene
 Concen: 0.228 ug/l
 RT: 15.506 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080456.D
 Acq: 13 Dec 2023 12:55

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	412
Ion	Ratio	Lower	Upper
225	100		
223	41.3	31.3	93.8
227	59.7	31.9	95.9

