

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010224\
 Data File : VN080622.D
 Acq On : 02 Jan 2024 14:08
 Operator : JC\MD
 Sample : 06038-05 100X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 03 01:44:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

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

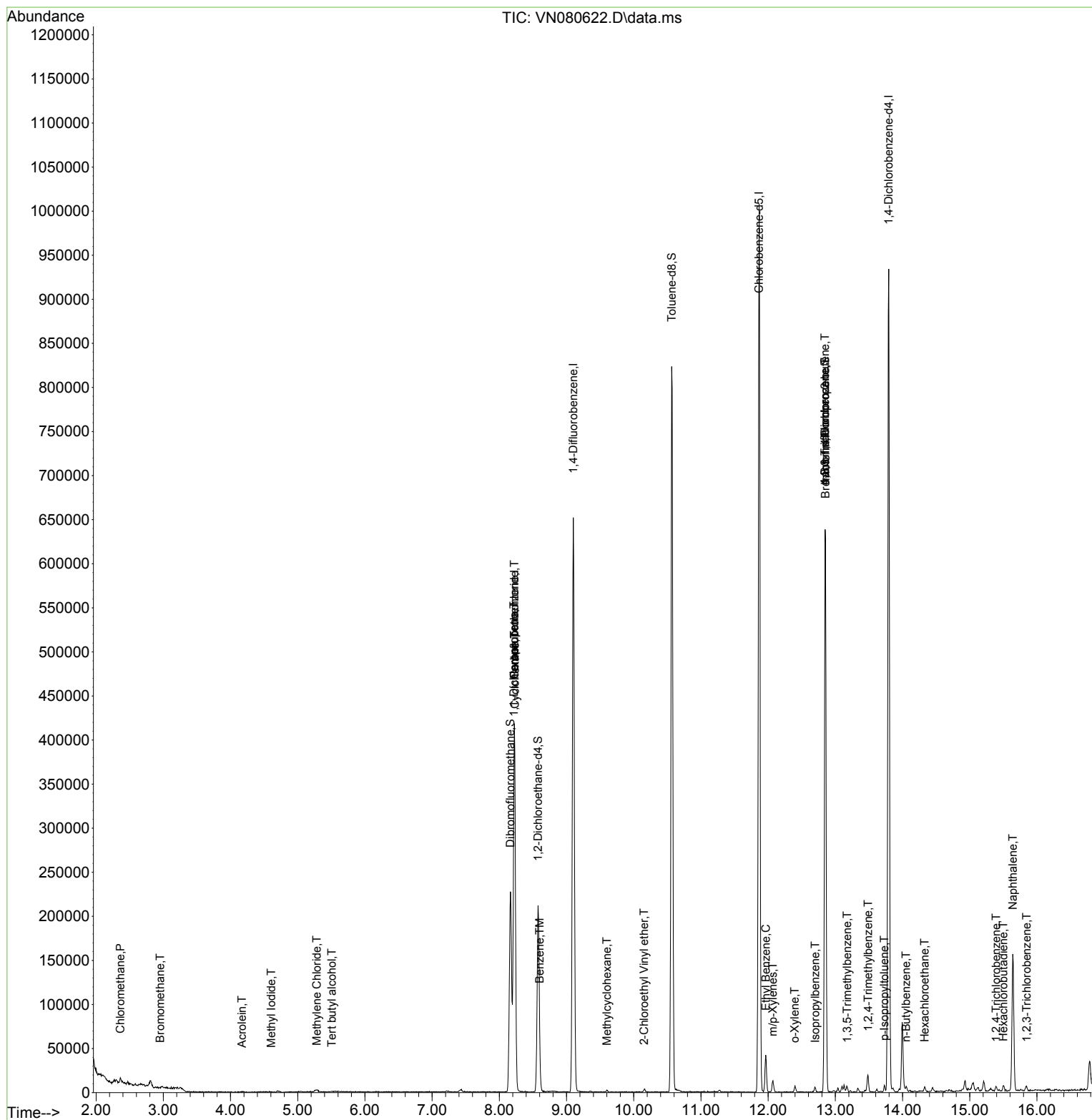
Internal Standards						
1) Pentafluorobenzene	8.224	168	301410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	572874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	593313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	258621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	172523	44.623	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.240%
35) Dibromofluoromethane	8.165	113	163635	44.165	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.320%
50) Toluene-d8	10.565	98	584318	45.168	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.340%
62) 4-Bromofluorobenzene	12.847	95	234999	53.977	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	8930	1.468	ug/l	89
5) Bromomethane	2.954	94	391	0.276	ug/l #	15
10) Methyl Iodide	4.606	142	860	0.429	ug/l #	38
11) Tert butyl alcohol	5.506	59	120	0.231	ug/l #	72
13) Acrolein	4.171	56	436	0.741	ug/l #	32
20) Methylene Chloride	5.283	84	1745	0.520	ug/l #	83
31) Cyclohexane	8.230	56	6779	1.296	ug/l #	28
36) 1,1-Dichloropropene	8.218	75	23526	4.126	ug/l #	47
38) Carbon Tetrachloride	8.224	117	33764	5.788	ug/l #	18
39) Methylcyclohexane	9.600	83	1072	0.229	ug/l #	83
40) Benzene	8.600	78	3893	0.604	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.153	63	2166	0.871	ug/l #	83
67) Ethyl Benzene	11.965	91	28739	1.393	ug/l	100
68) m/p-Xylenes	12.071	106	3869	0.505	ug/l	79
69) o-Xylene	12.394	106	1528	0.203	ug/l	62
71) Bromoform	12.853	173	1437	0.428	ug/l #	1
73) Isopropylbenzene	12.700	105	4169	0.236	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	120990	21.751	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.176	105	3235	0.216	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	120990	58.918	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.488	105	11593	0.766	ug/l	94
86) p-Isopropyltoluene	13.729	119	3039	0.658	ug/l	97
89) n-Butylbenzene	14.053	91	3913	0.317	ug/l	98
90) Hexachloroethane	14.329	117	715	0.277	ug/l #	21
93) 1,2,4-Trichlorobenzene	15.394	180	1665	0.386	ug/l	81
94) Hexachlorobutadiene	15.500	225	1256	0.564	ug/l	83
95) Naphthalene	15.641	128	147258	10.966	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	1916	0.439	ug/l	91

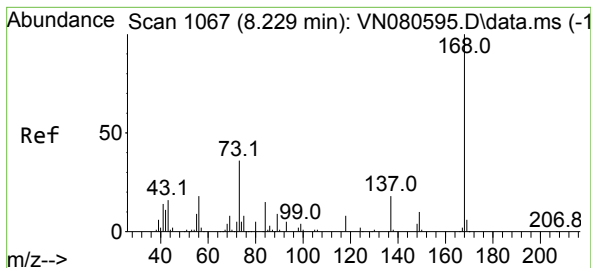
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010224\
Data File : VN080622.D
Acq On : 02 Jan 2024 14:08
Operator : JC\MD
Sample : 06038-05 100X
Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 03 01:44:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 28 03:07:01 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.005 min

Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

Instrument :

MSVOA_N

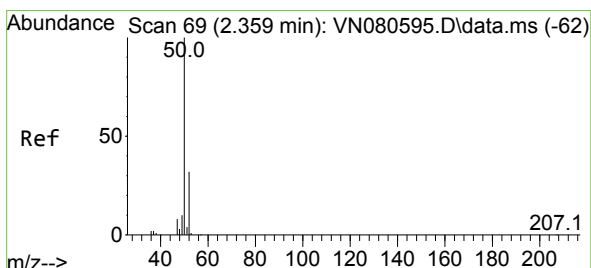
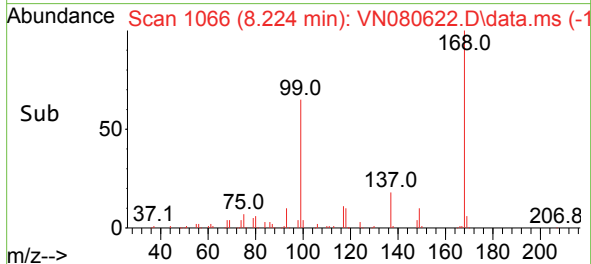
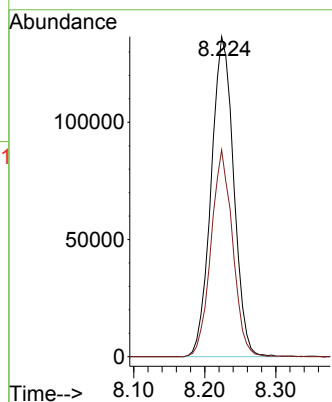
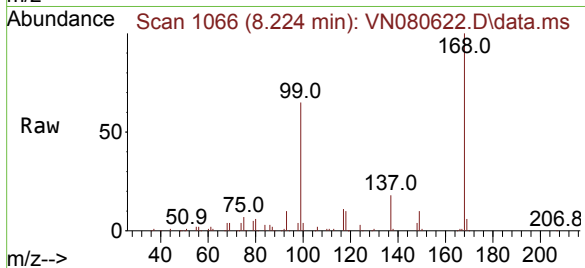
ClientSampleId :

Tgt Ion:168 Resp: 301410

Ion Ratio Lower Upper

168 100

99 64.6 53.0 79.6



#3

Chloromethane

Concen: 1.468 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080622.D

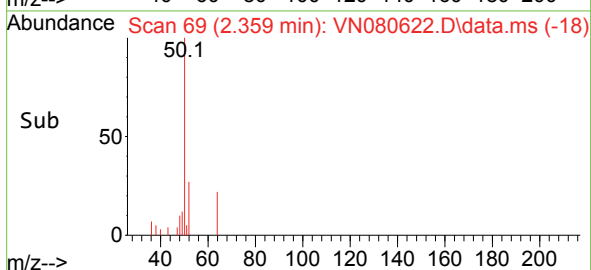
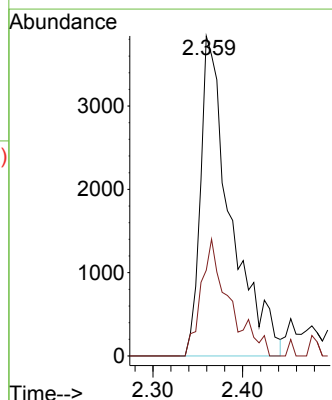
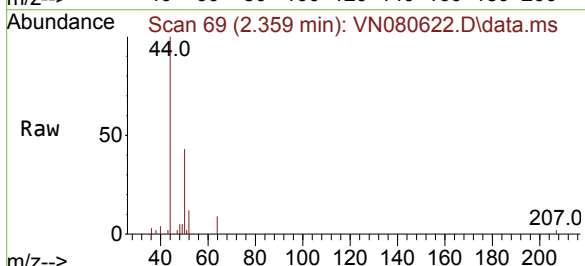
Acq: 02 Jan 2024 14:08

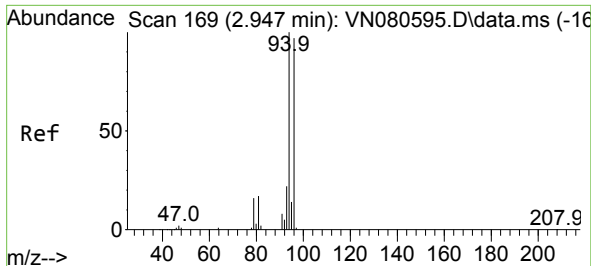
Tgt Ion: 50 Resp: 8930

Ion Ratio Lower Upper

50 100

52 26.8 26.5 39.7

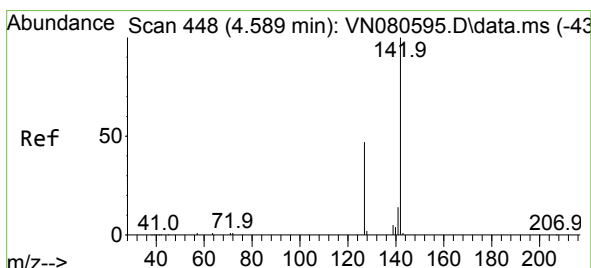
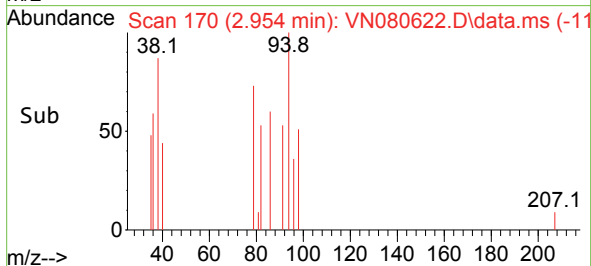
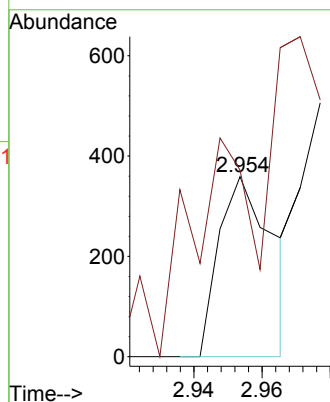
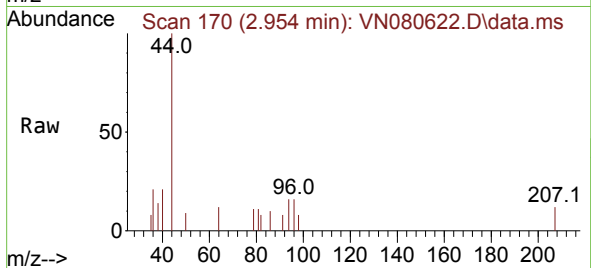




#5
Bromomethane
Concen: 0.276 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

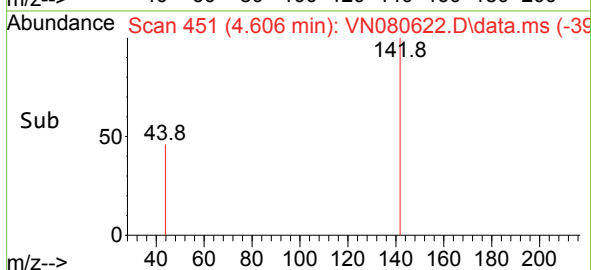
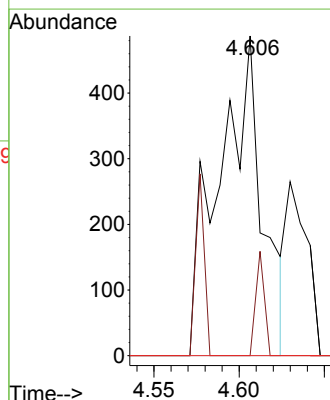
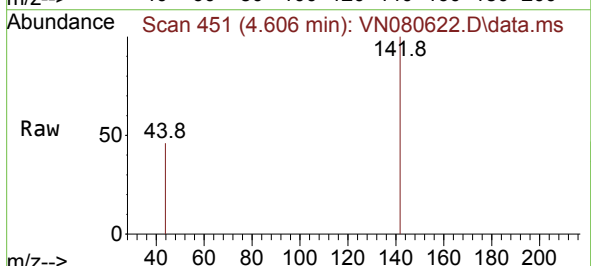
Instrument :
MSVOA_N
ClientSampleId :

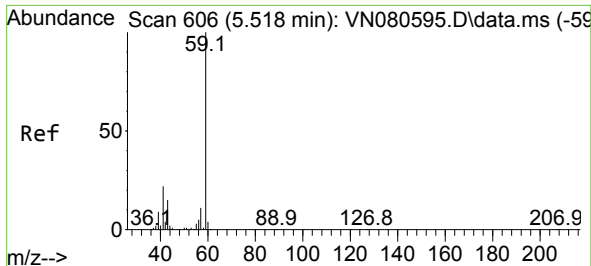
Tgt Ion: 94 Resp: 391
Ion Ratio Lower Upper
94 100
96 10.9 73.1 109.7#



#10
Methyl Iodide
Concen: 0.429 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.017 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

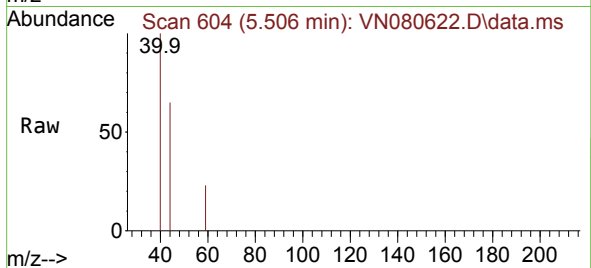
Tgt Ion:142 Resp: 860
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



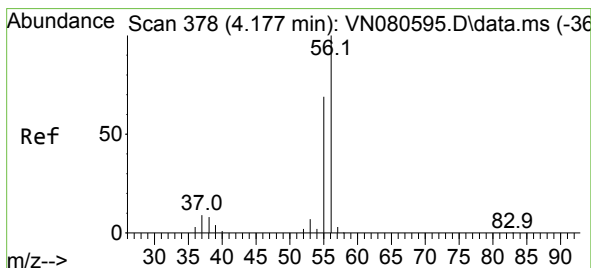
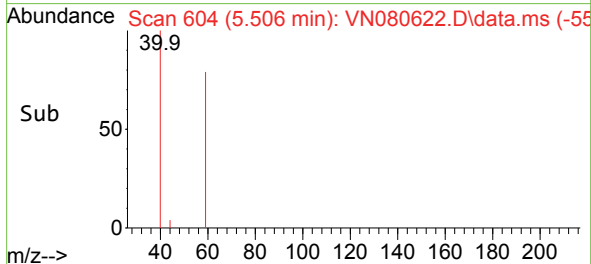
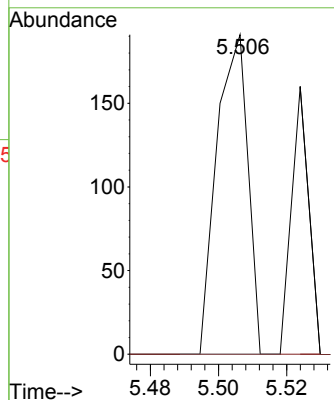


#11
Tert butyl alcohol
Concen: 0.231 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :

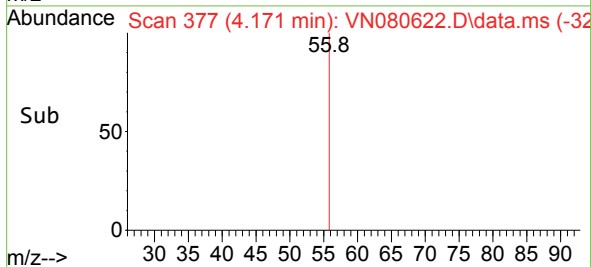
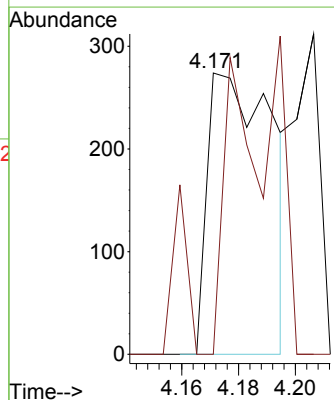
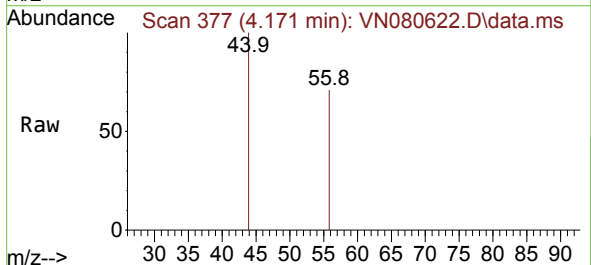


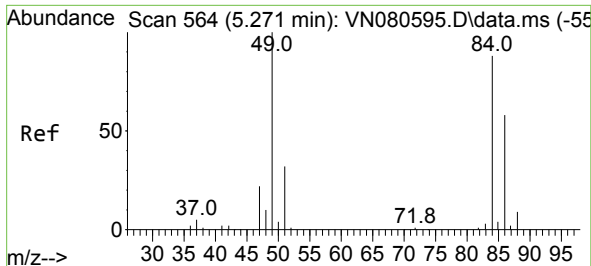
Tgt Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.741 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

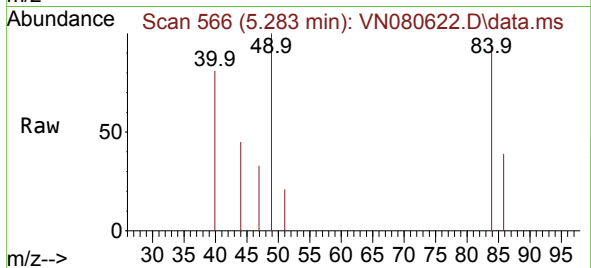
Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
55 13.3 54.5 81.7#



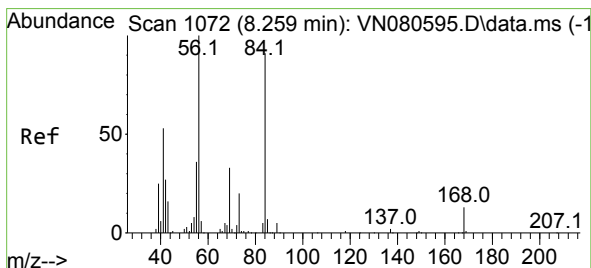
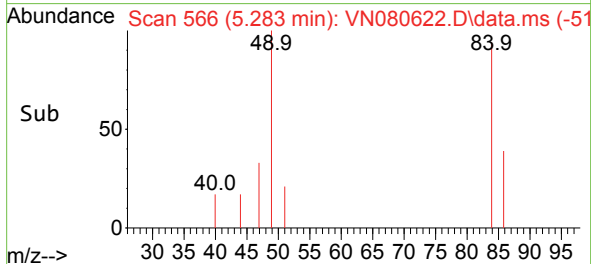
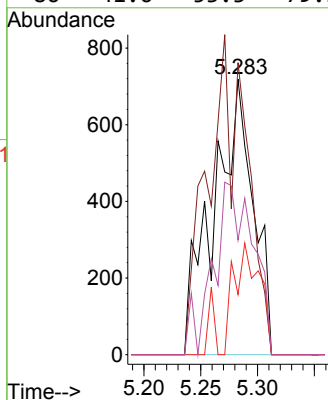


#20
Methylene Chloride
Concen: 0.520 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :

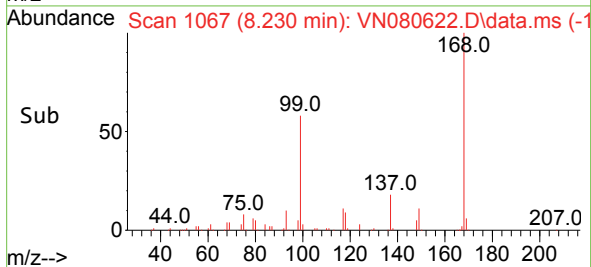
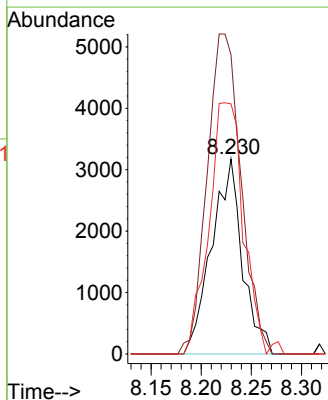
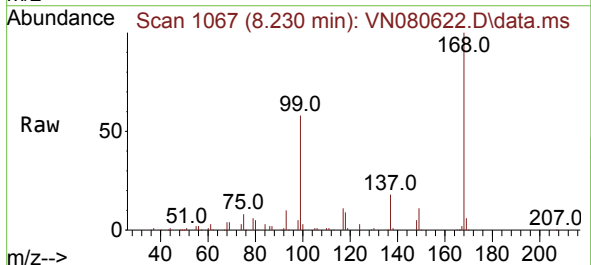


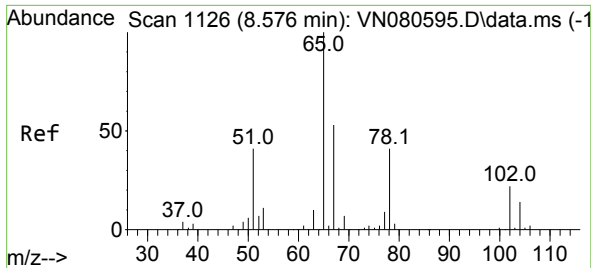
Tgt Ion: 84	Resp: 1745
Ion Ratio	Lower Upper
84	100
49	106.0 79.7 119.5
51	21.8 25.2 37.8#
86	41.6 53.3 79.9#



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

Tgt Ion: 56	Resp: 6779
Ion Ratio	Lower Upper
56	100
69	153.6 26.8 40.2#
84	128.3 81.8 122.6#

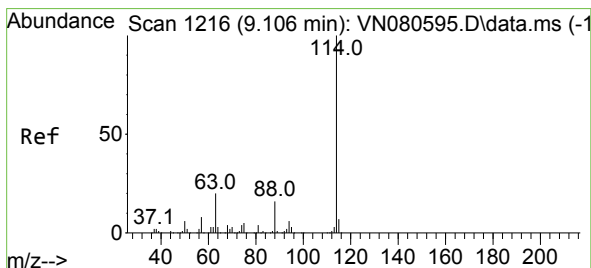
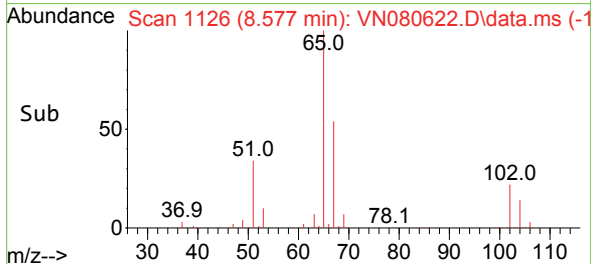
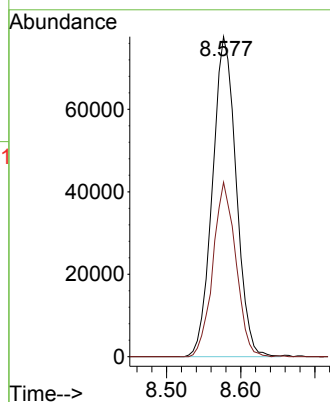
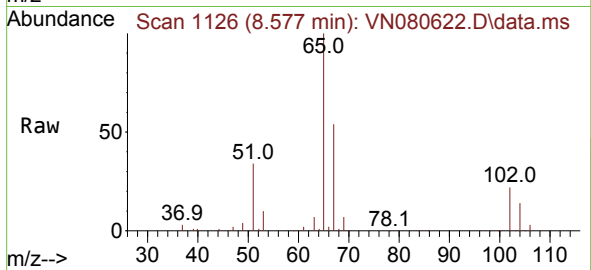




#33
 1,2-Dichloroethane-d4
 Concen: 44.623 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN080622.D
 Acq: 02 Jan 2024 14:08

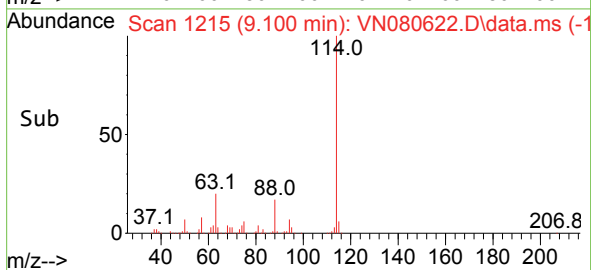
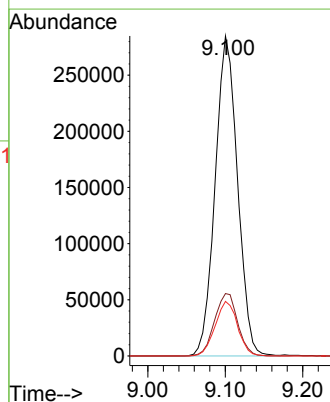
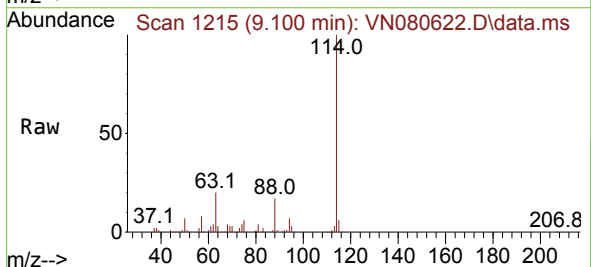
Instrument :
 MSVOA_N
 ClientSampleId :

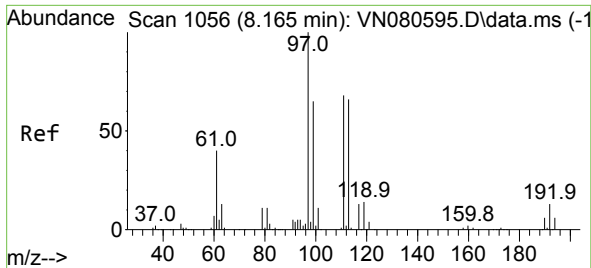
Tgt Ion: 65 Resp: 172523
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.006 min
 Lab File: VN080622.D
 Acq: 02 Jan 2024 14:08

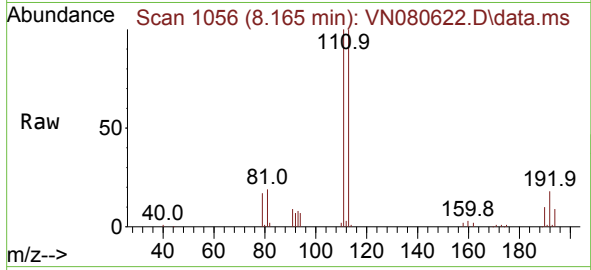
Tgt Ion: 114 Resp: 572874
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 36.4
 88 17.1 0.0 30.6



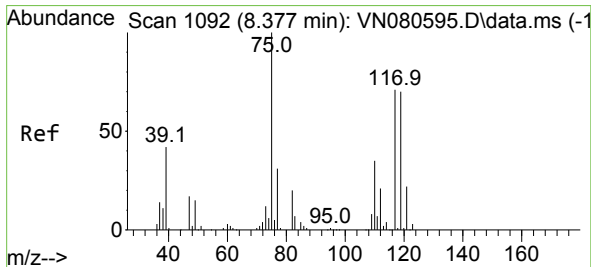
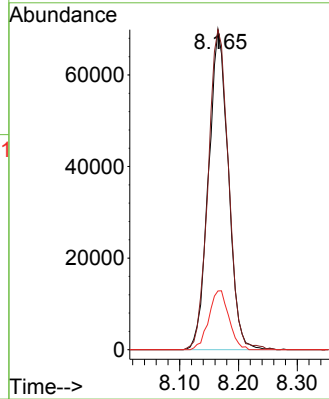
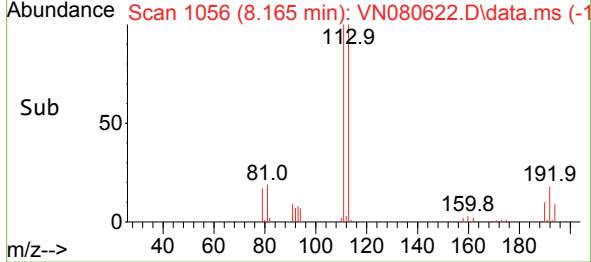


#35
Dibromofluoromethane
Concen: 44.165 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :

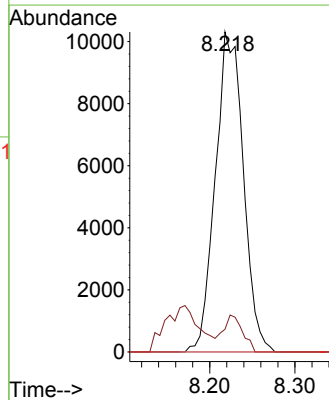
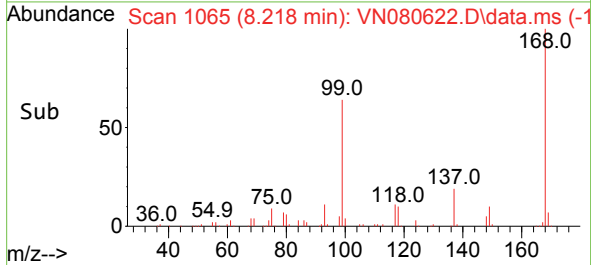
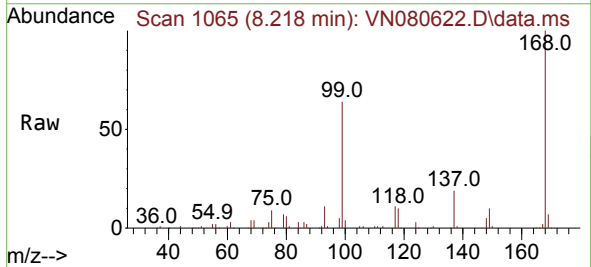


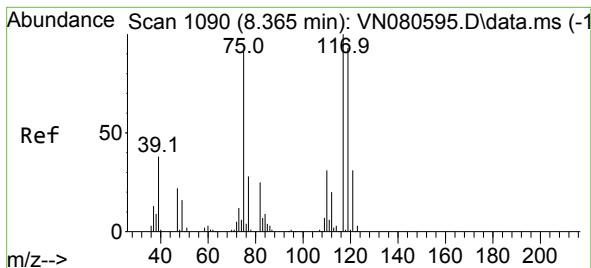
Tgt Ion:113 Resp: 163635
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 18.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.126 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.159 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

Tgt Ion: 75 Resp: 23526
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.788 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

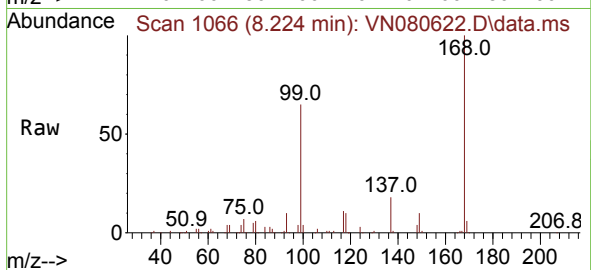
Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :



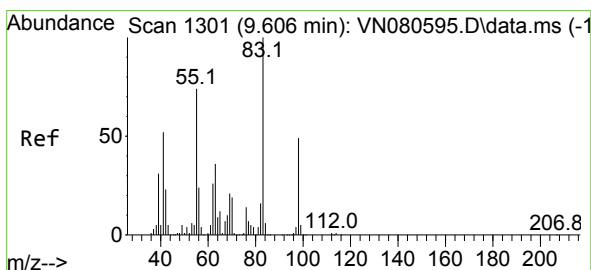
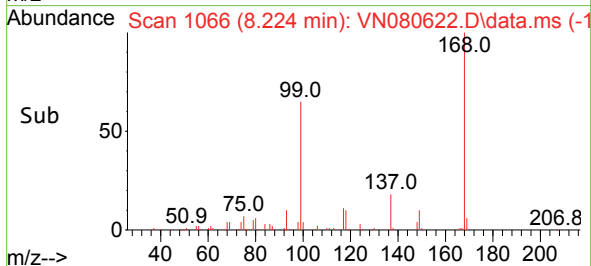
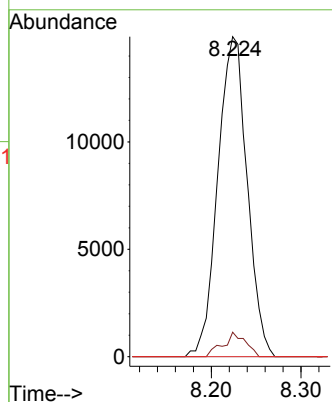
Tgt Ion:117 Resp: 33764

Ion Ratio Lower Upper

117 100

119 7.7 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 0.229 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

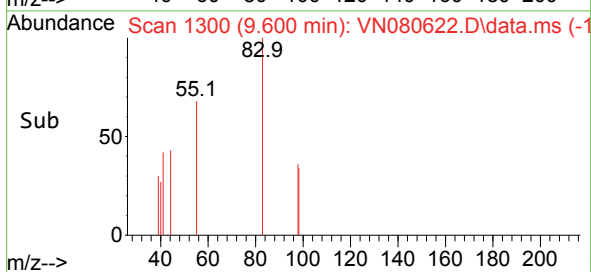
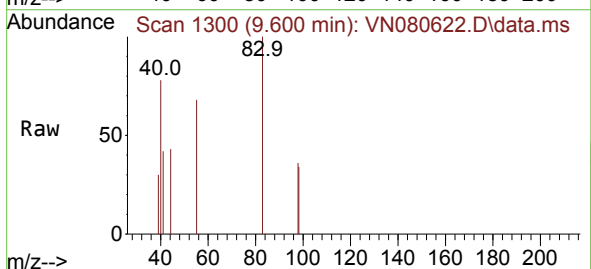
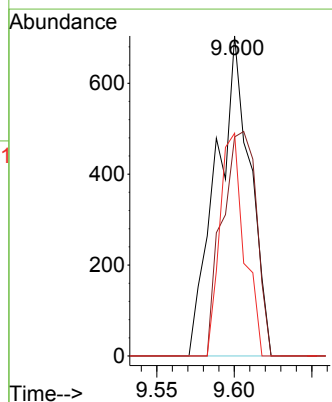
Tgt Ion: 83 Resp: 1072

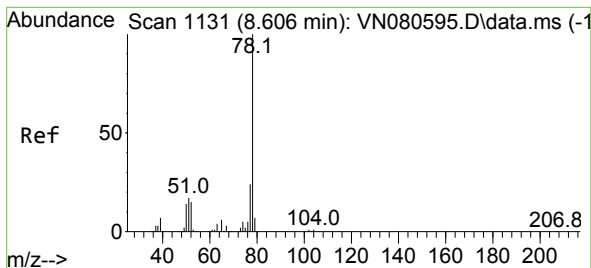
Ion Ratio Lower Upper

83 100

55 68.5 49.1 73.7

98 69.6 40.6 61.0#





#40

Benzene

Concen: 0.604 ug/l

RT: 8.600 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

Instrument :

MSVOA_N

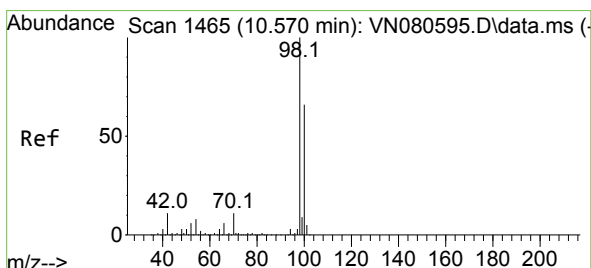
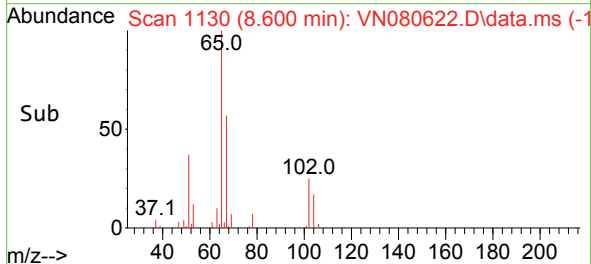
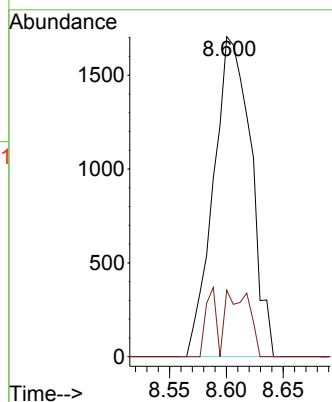
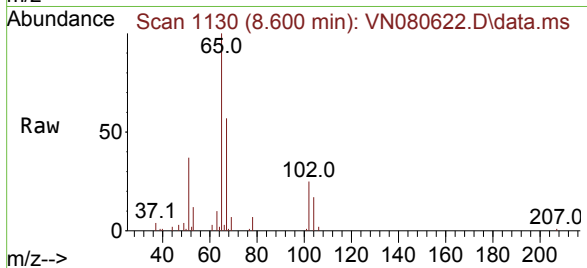
ClientSampleId :

Tgt Ion: 78 Resp: 3893

Ion Ratio Lower Upper

78 100

77 20.8 19.0 28.6



#50

Toluene-d8

Concen: 45.168 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN080622.D

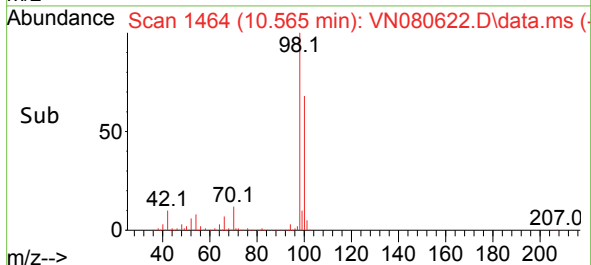
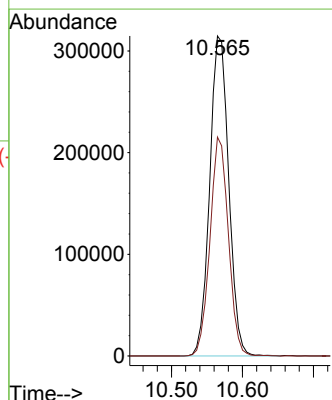
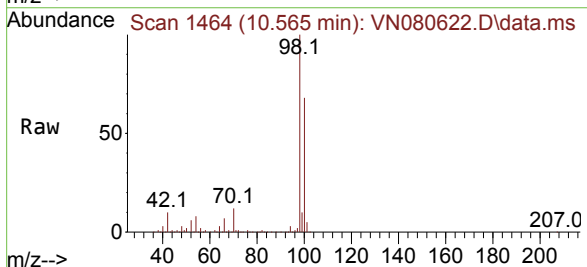
Acq: 02 Jan 2024 14:08

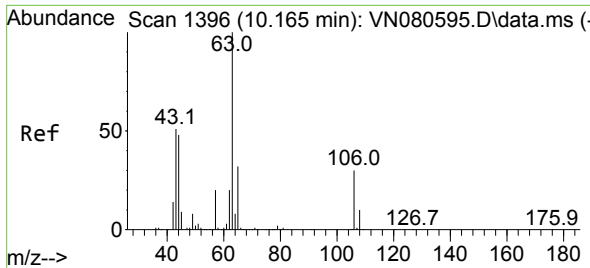
Tgt Ion: 98 Resp: 584318

Ion Ratio Lower Upper

98 100

100 66.3 52.0 78.0

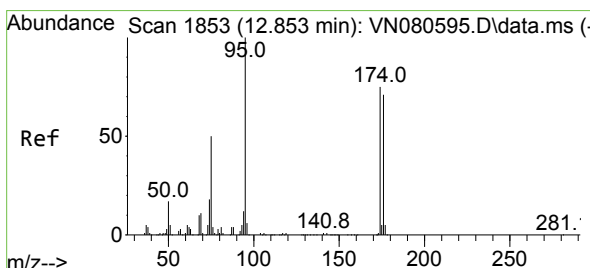
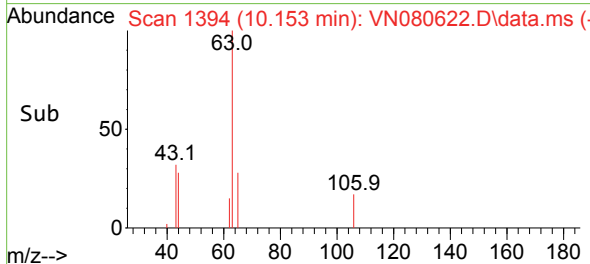
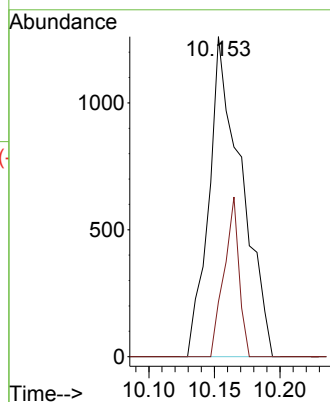
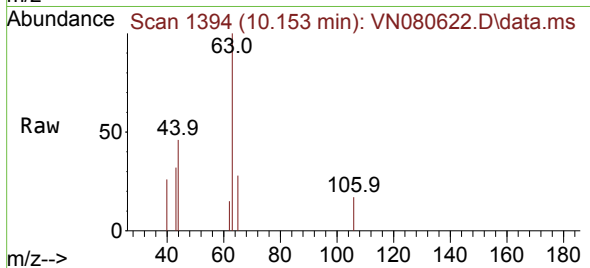




#58
2-Chloroethyl Vinyl ether
Concen: 0.871 ug/l
RT: 10.153 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

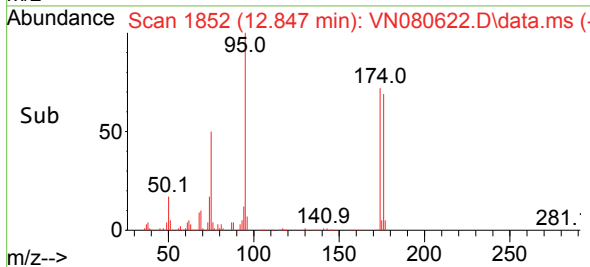
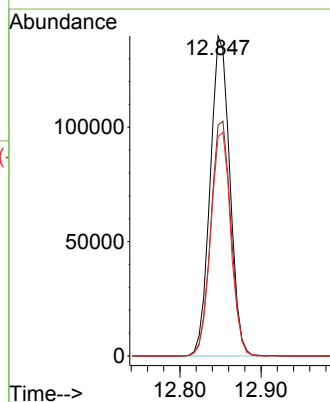
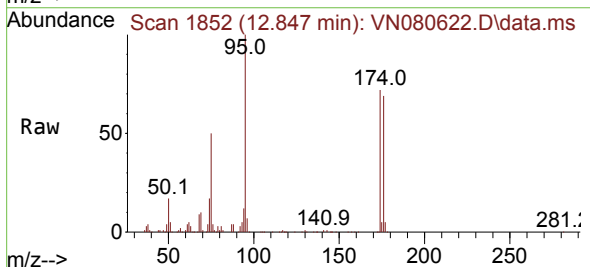
Instrument :
MSVOA_N
ClientSampleId :

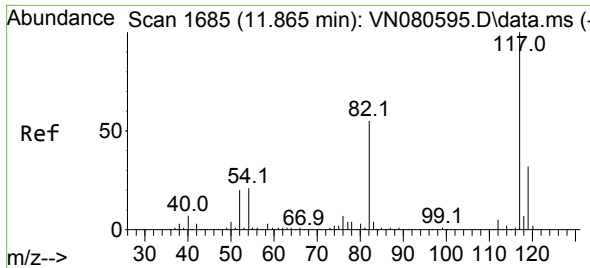
Tgt Ion: 63 Resp: 2166
Ion Ratio Lower Upper
63 100
106 23.0 26.2 39.4#



#62
4-Bromofluorobenzene
Concen: 53.977 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

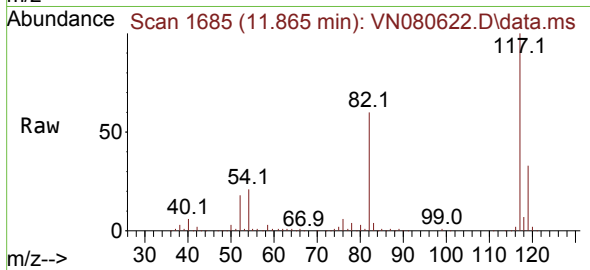
Tgt Ion: 95 Resp: 234999
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 71.3 0.0 135.8



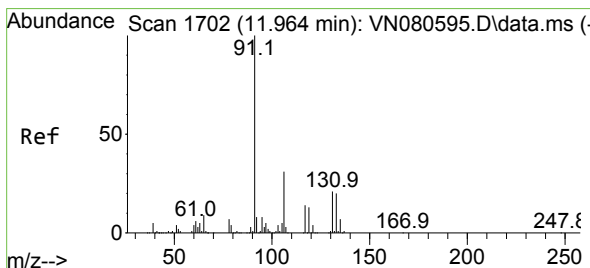
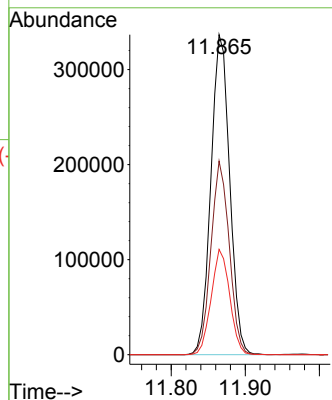
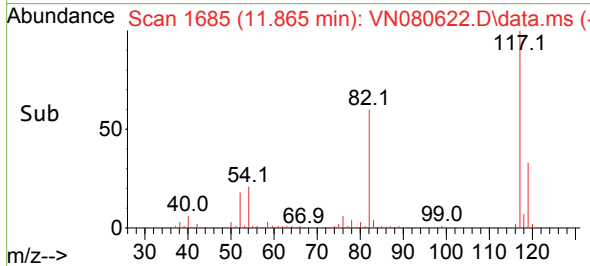


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :

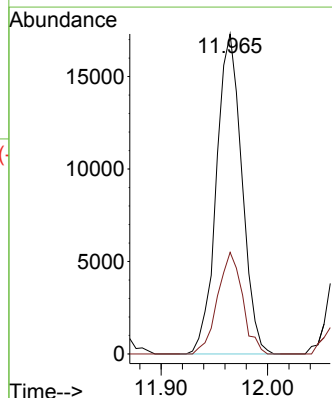
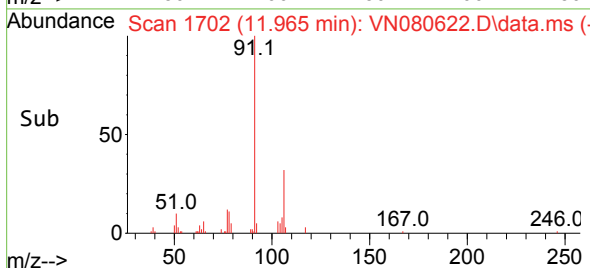
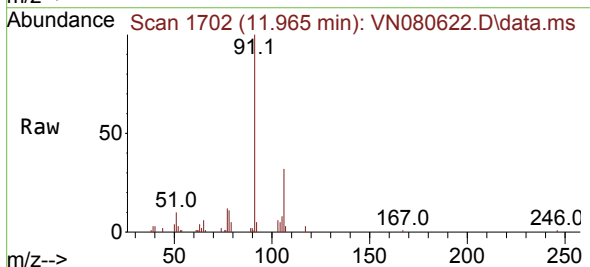


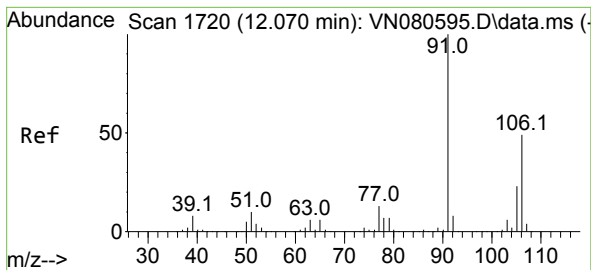
Tgt Ion:117 Resp: 593313
Ion Ratio Lower Upper
117 100
82 60.5 44.0 66.0
119 32.9 25.6 38.4



#67
Ethyl Benzene
Concen: 1.393 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

Tgt Ion: 91 Resp: 28739
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4





#68

m/p-Xylenes

Concen: 0.505 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

Instrument :

MSVOA_N

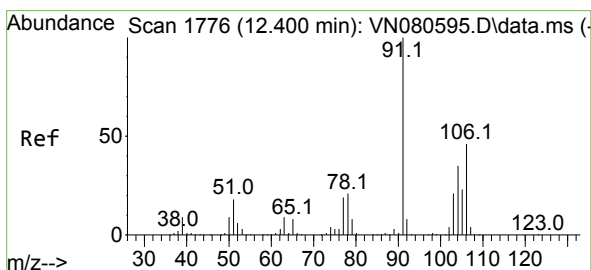
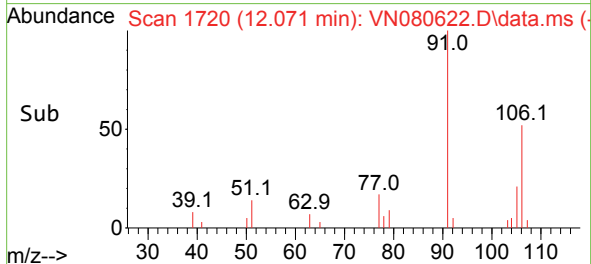
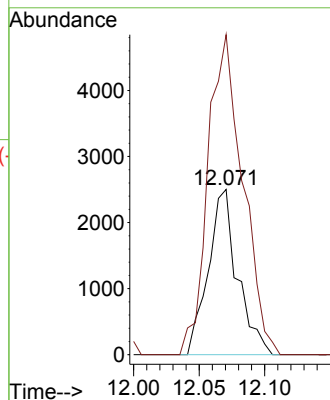
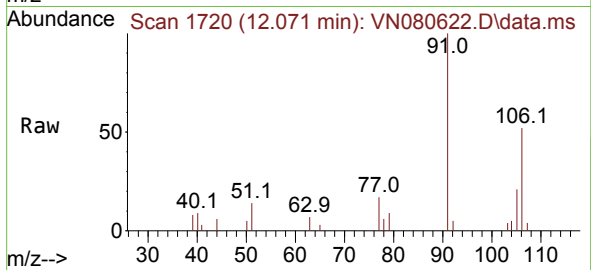
ClientSampleId :

Tgt Ion:106 Resp: 3869

Ion Ratio Lower Upper

106 100

91 231.6 159.6 239.4



#69

o-Xylene

Concen: 0.203 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VN080622.D

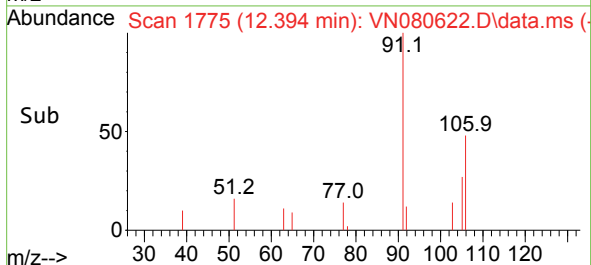
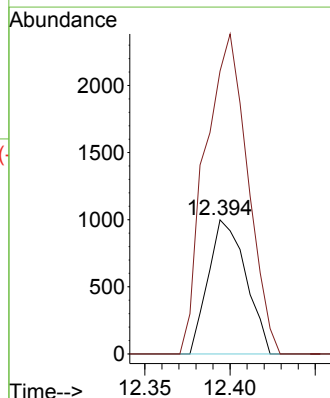
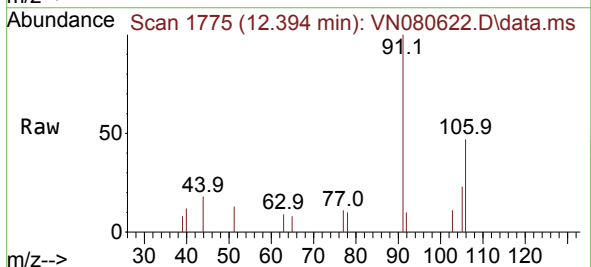
Acq: 02 Jan 2024 14:08

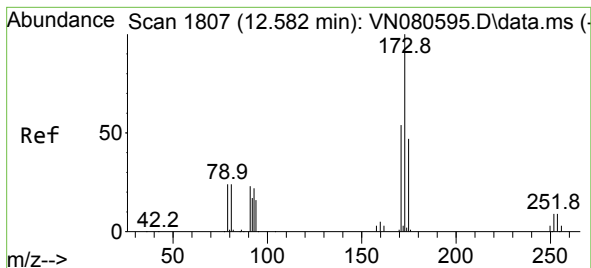
Tgt Ion:106 Resp: 1528

Ion Ratio Lower Upper

106 100

91 269.9 105.2 315.5





#71

Bromoform

Concen: 0.428 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

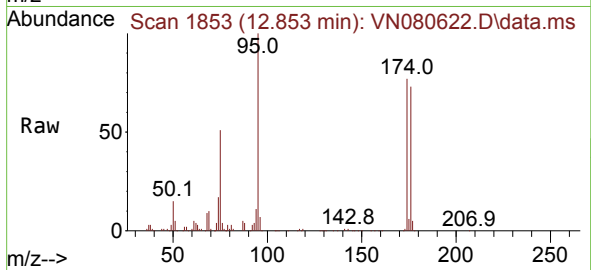
Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

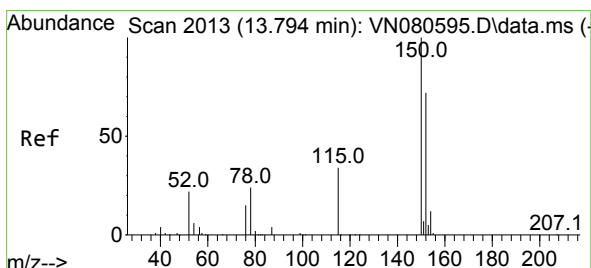
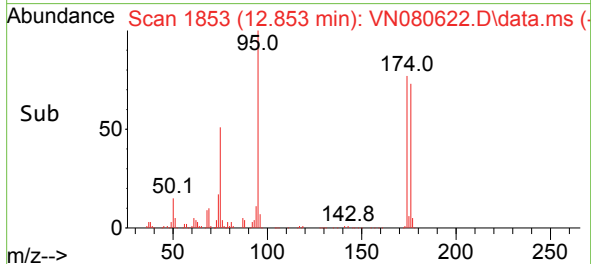
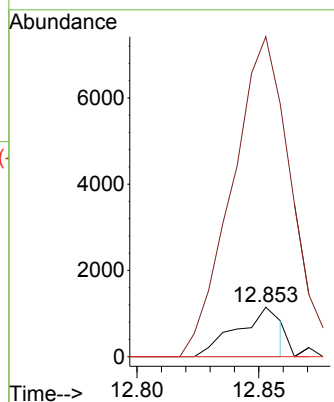
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1437
Ion Ratio	Lower	Upper	
173	100		
175	723.0	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

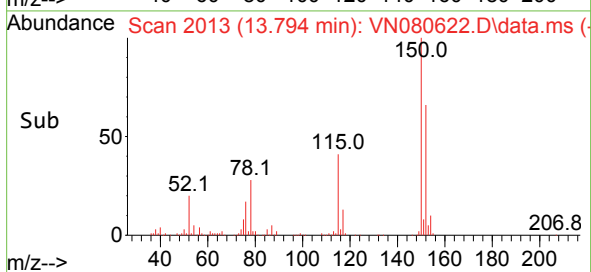
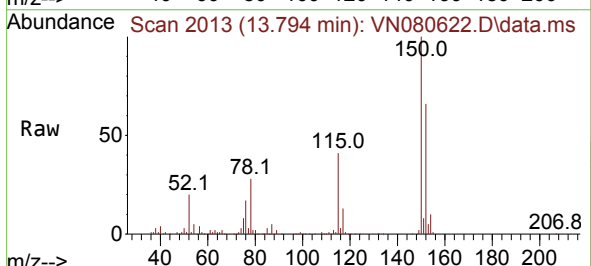
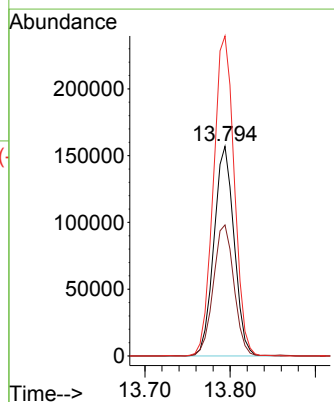
RT: 13.794 min Scan# 2013

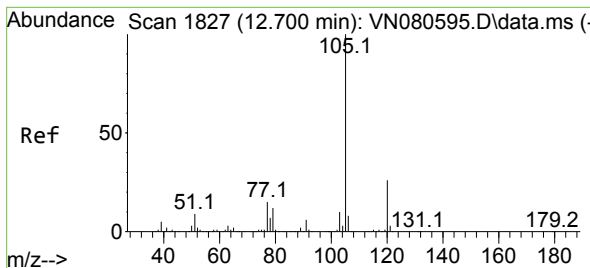
Delta R.T. 0.000 min

Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

Tgt Ion:	152	Resp:	258621
Ion Ratio	Lower	Upper	
152	100		
115	64.1	32.3	96.8
150	157.9	0.0	355.8





#73

Isopropylbenzene

Concen: 0.236 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

Instrument :

MSVOA_N

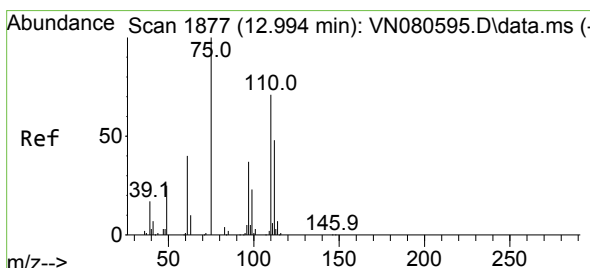
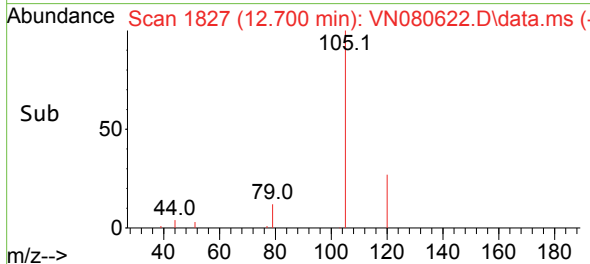
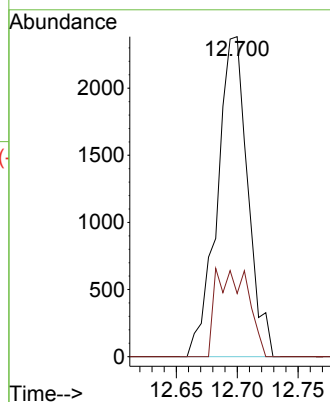
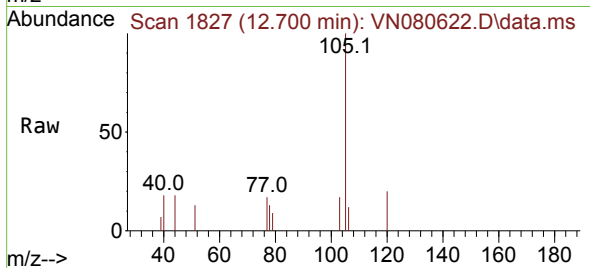
ClientSampleId :

Tgt Ion:105 Resp: 4169

Ion Ratio Lower Upper

105 100

120 29.0 13.1 39.1



#76

1,2,3-Trichloropropane

Concen: 21.751 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080622.D

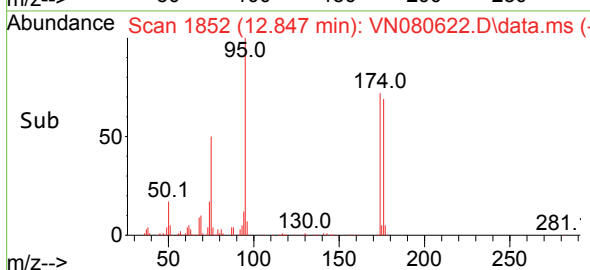
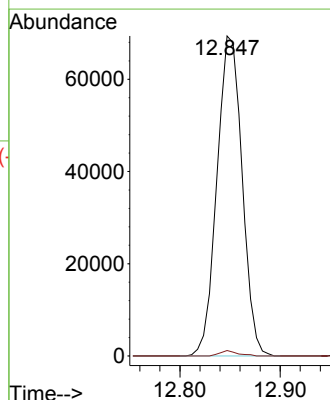
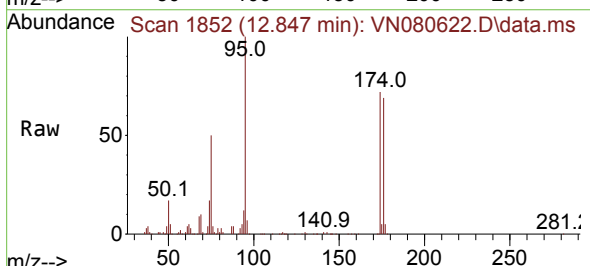
Acq: 02 Jan 2024 14:08

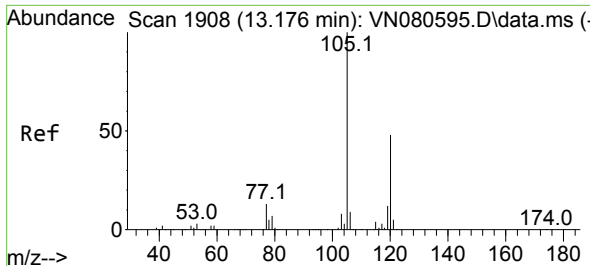
Tgt Ion: 75 Resp: 120990

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

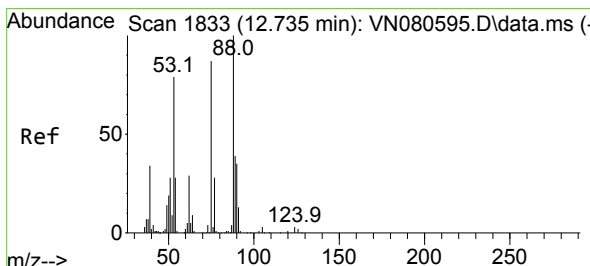
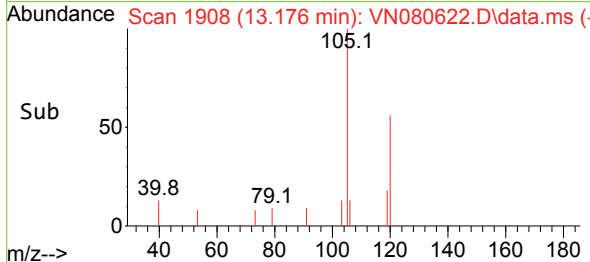
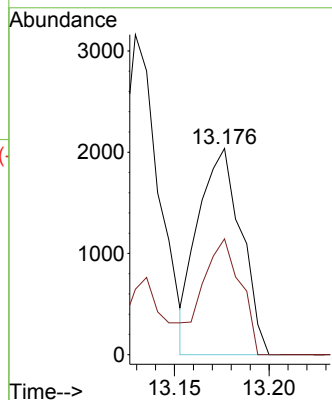
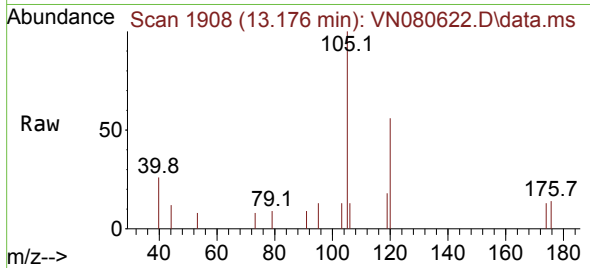




#80
 1,3,5-Trimethylbenzene
 Concen: 0.216 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN080622.D
 Acq: 02 Jan 2024 14:08

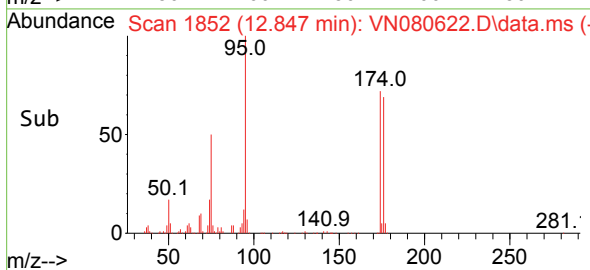
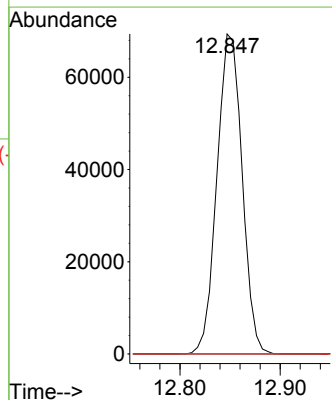
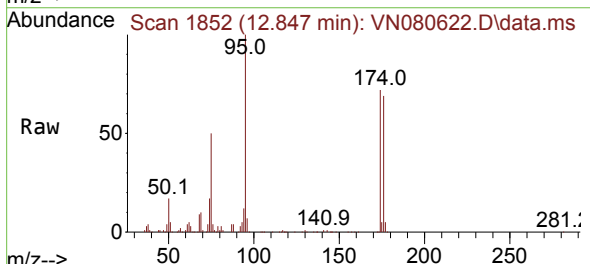
Instrument :
 MSVOA_N
 ClientSampleId :

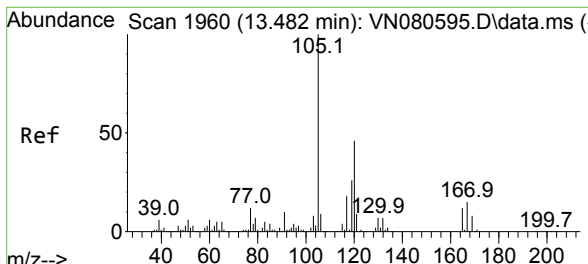
Tgt Ion:105 Resp: 3235
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.918 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN080622.D
 Acq: 02 Jan 2024 14:08

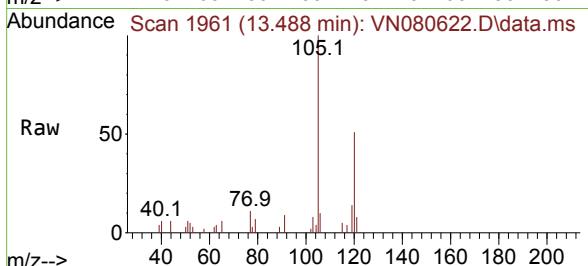
Tgt Ion: 75 Resp: 120990
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#





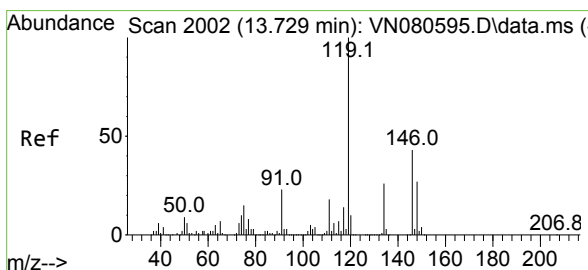
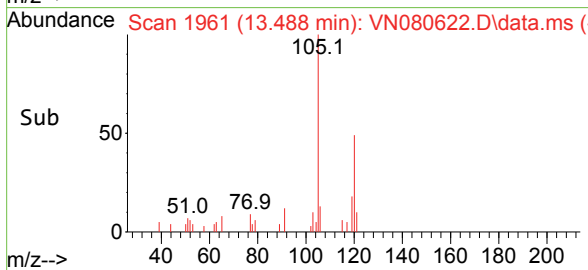
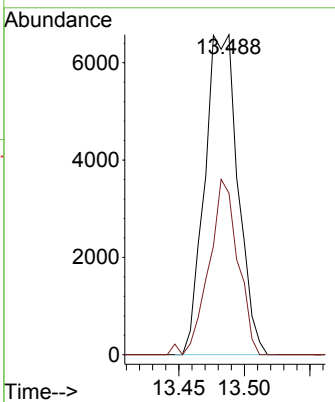
#84
 1,2,4-Trimethylbenzene
 Concen: 0.766 ug/l
 RT: 13.488 min Scan# 1960
 Delta R.T. 0.006 min
 Lab File: VN080622.D
 Acq: 02 Jan 2024 14:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:105 Resp: 11593

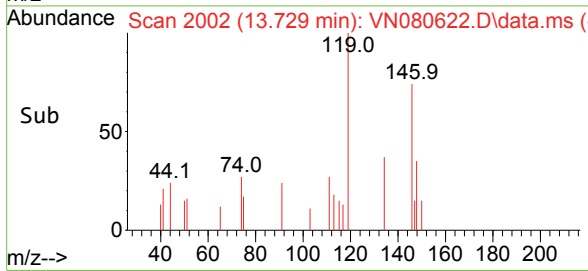
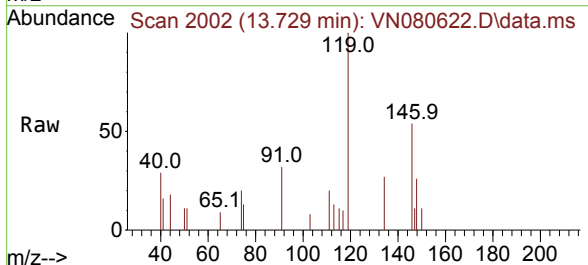
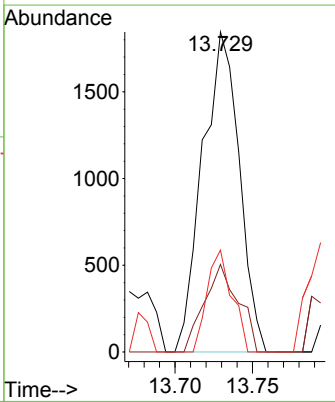
Ion	Ratio	Lower	Upper
105	100		
120	47.7	22.0	66.0

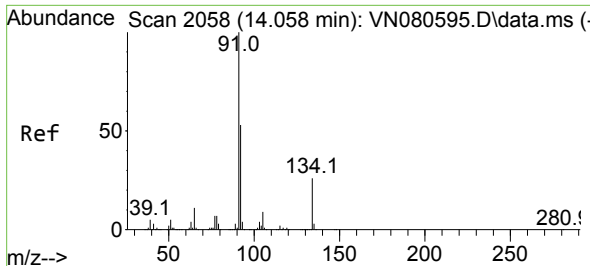


#86
 p-Isopropyltoluene
 Concen: 0.658 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080622.D
 Acq: 02 Jan 2024 14:08

Tgt Ion:119 Resp: 3039

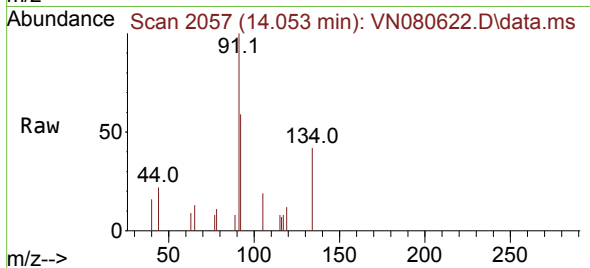
Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.6	37.8
91	21.6	12.4	37.2



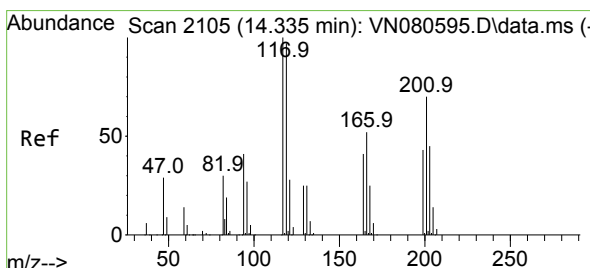
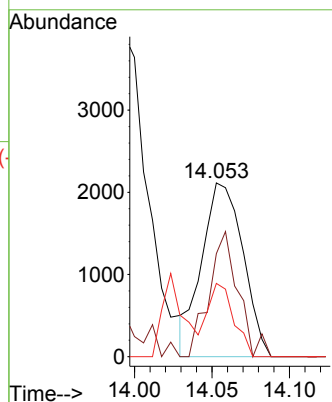
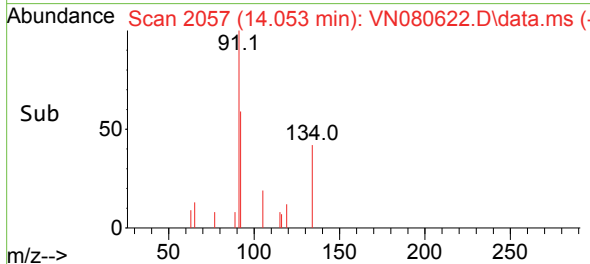


#89
n-Butylbenzene
Concen: 0.317 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

Instrument :
MSVOA_N
ClientSampleId :

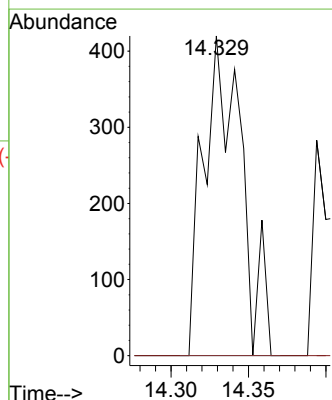
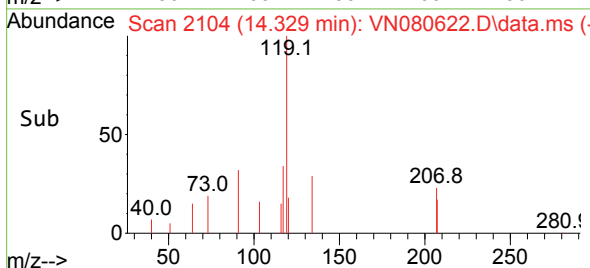
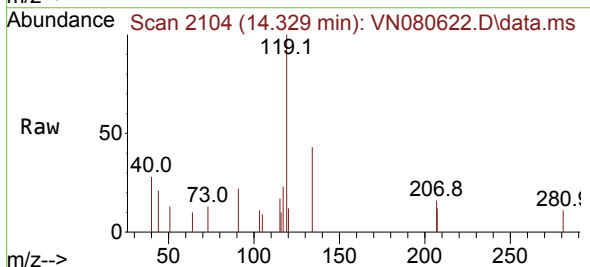


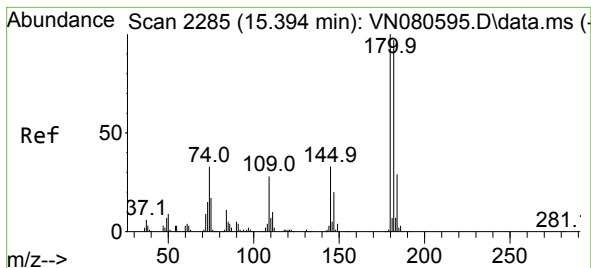
Tgt Ion: 91 Resp: 3913
Ion Ratio Lower Upper
91 100
92 51.0 26.4 79.0
134 26.5 12.6 37.6



#90
Hexachloroethane
Concen: 0.277 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN080622.D
Acq: 02 Jan 2024 14:08

Tgt Ion: 117 Resp: 715
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.386 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

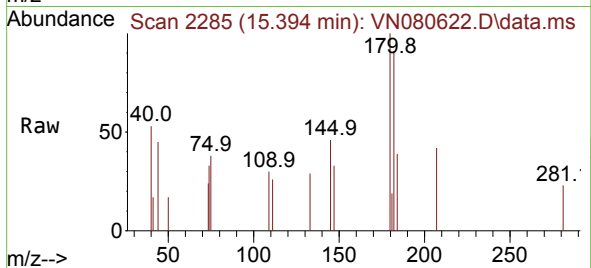
Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :



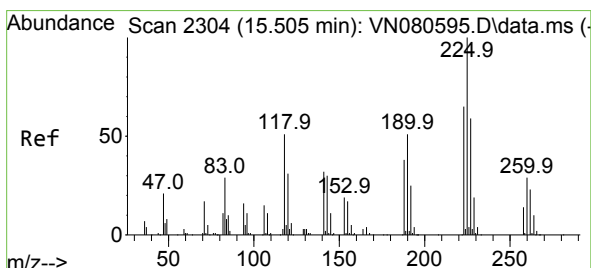
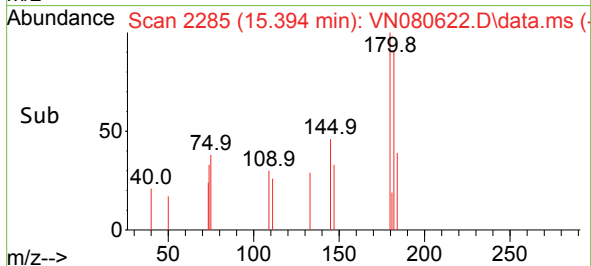
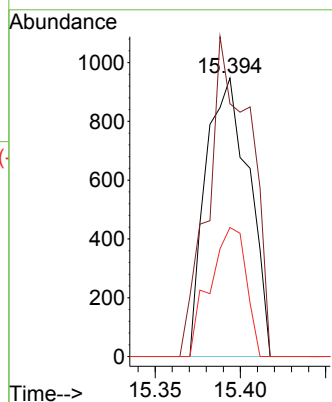
Tgt Ion:180 Resp: 1665

Ion Ratio Lower Upper

180 100

182 112.7 46.1 138.2

145 39.1 16.6 49.8



#94

Hexachlorobutadiene

Concen: 0.564 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.006 min

Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

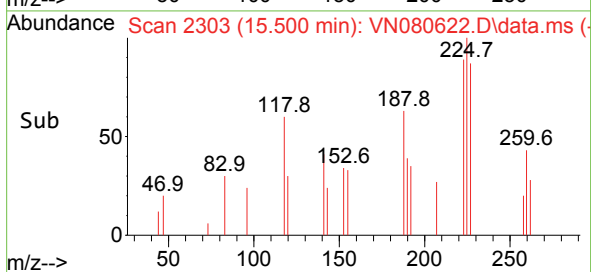
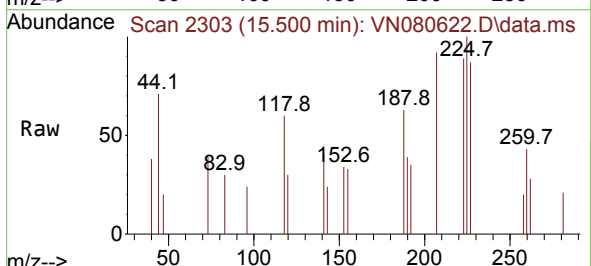
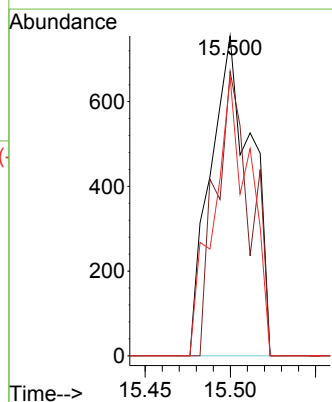
Tgt Ion:225 Resp: 1256

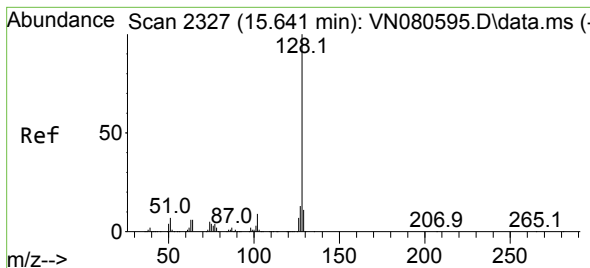
Ion Ratio Lower Upper

225 100

223 75.2 31.3 93.8

227 77.9 31.9 95.9





#95

Naphthalene

Concen: 10.966 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

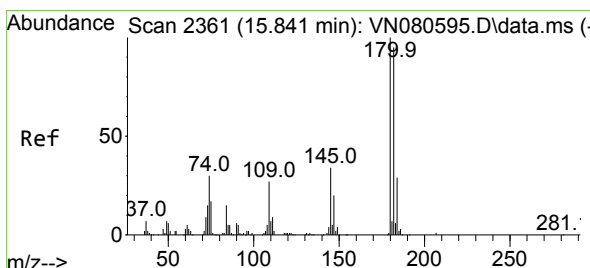
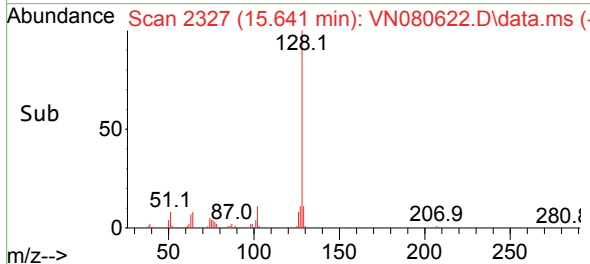
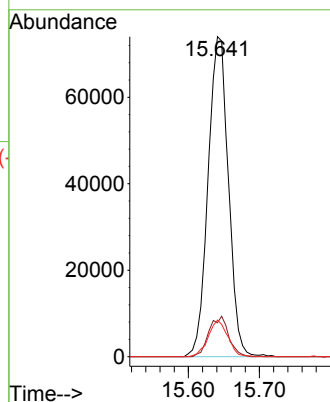
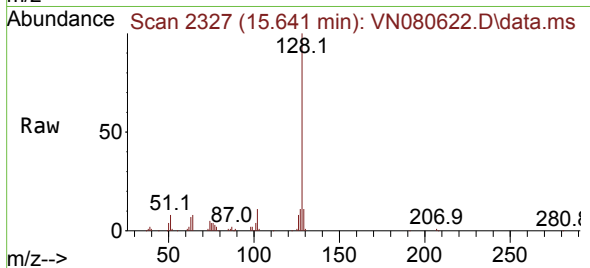
Tgt Ion:128 Resp: 147258

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

129 11.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.439 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN080622.D

Acq: 02 Jan 2024 14:08

Tgt Ion:180 Resp: 1916

Ion Ratio Lower Upper

180 100

182 102.2 46.2 138.6

145 39.5 17.5 52.6

