

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031924\
 Data File : VN081462.D
 Acq On : 19 Mar 2024 11:38
 Operator : JC\MD
 Sample : VN0319MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319MBL01

Quant Time: Mar 20 01:14:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

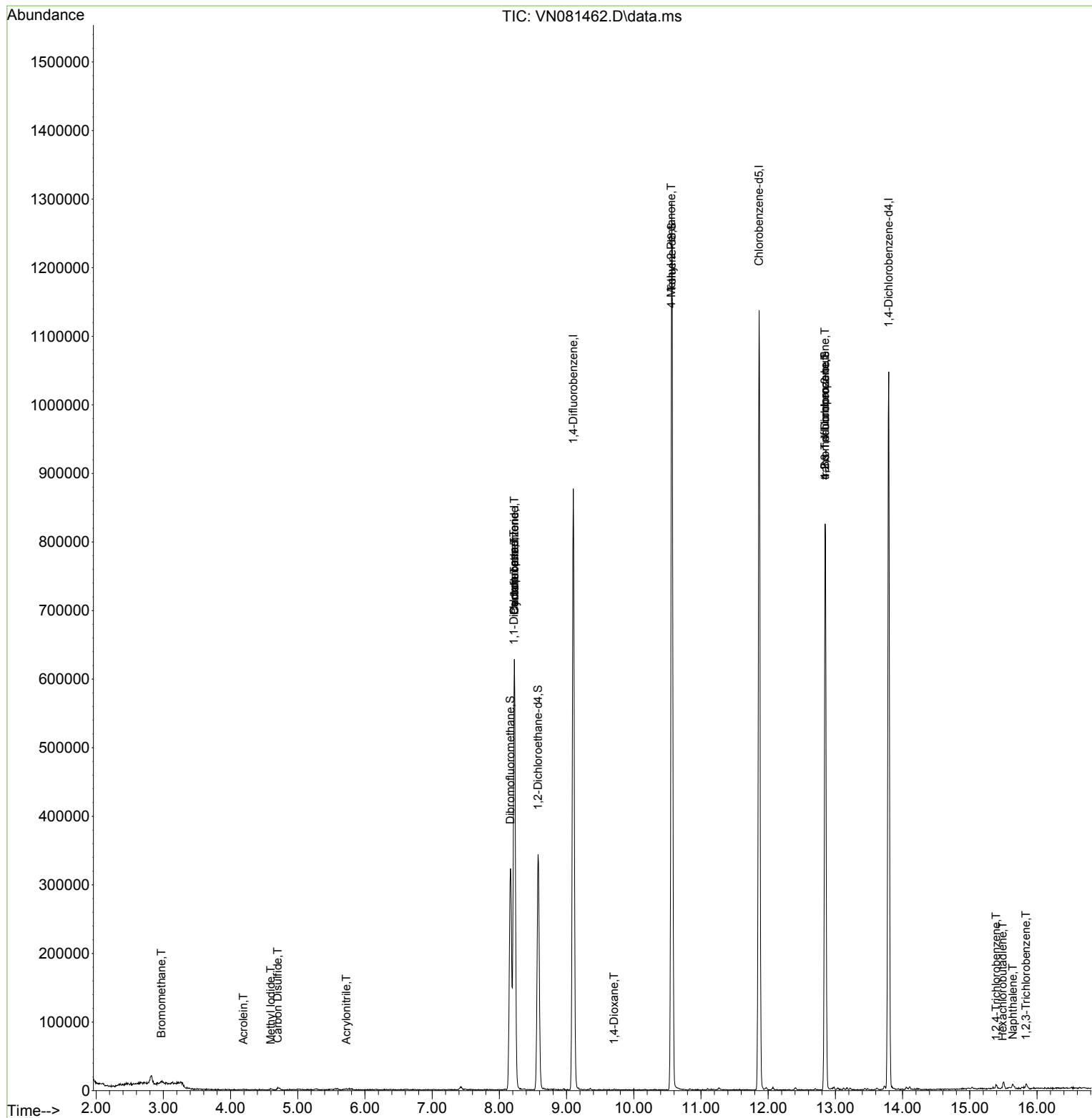
Internal Standards						
1) Pentafluorobenzene	8.224	168	453594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	766650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	669244	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	280044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	278900	48.215	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.420%		
35) Dibromofluoromethane	8.165	113	238718	49.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.680%		
50) Toluene-d8	10.565	98	896200	51.241	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.480%		
62) 4-Bromofluorobenzene	12.847	95	282201	45.791	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	91.580%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	2675	0.554	ug/l #	66
10) Methyl Iodide	4.600	142	2753	0.478	ug/l #	39
13) Acrolein	4.189	56	1092	1.207	ug/l #	15
15) Acrylonitrile	5.724	53	1028	0.381	ug/l #	87
17) Carbon Disulfide	4.700	76	3317	0.216	ug/l #	94
31) Cyclohexane	8.224	56	10487	1.114	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	37009	4.545	ug/l #	51
38) Carbon Tetrachloride	8.224	117	47178	5.289	ug/l #	17
49) 1,4-Dioxane	9.706	88	75	0.585	ug/l #	18
51) 4-Methyl-2-Pentanone	10.559	43	3856	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	147064	21.954	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	147064	59.326	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.394	180	2393	0.397	ug/l	85
94) Hexachlorobutadiene	15.488	225	1894	0.716	ug/l	87
95) Naphthalene	15.641	128	6903	0.353	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.835	180	3202	0.528	ug/l	79

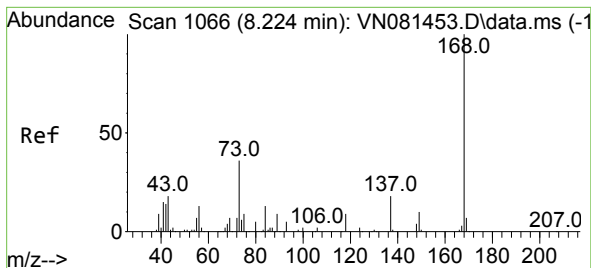
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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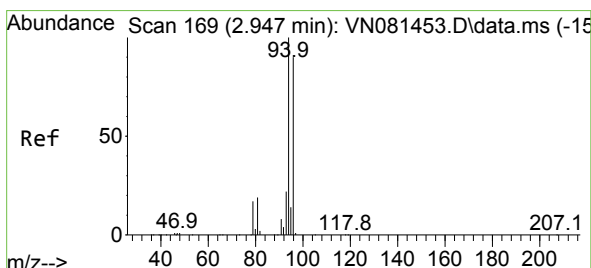
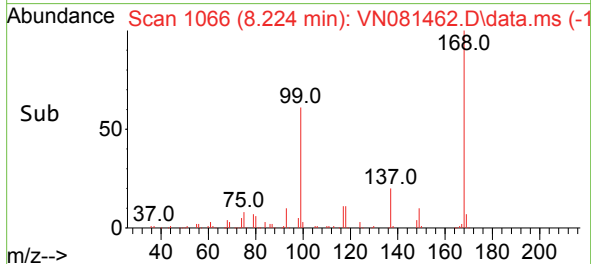
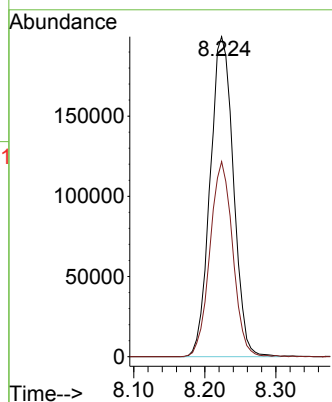
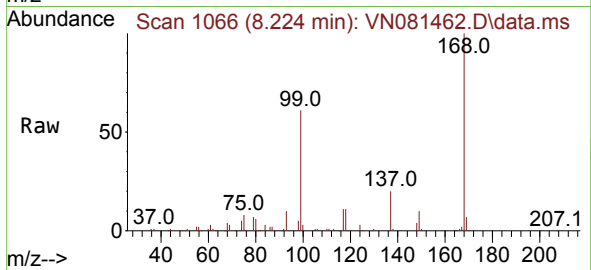




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

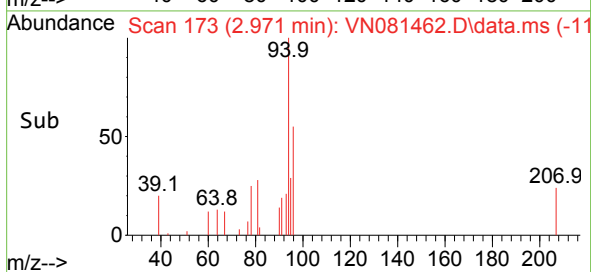
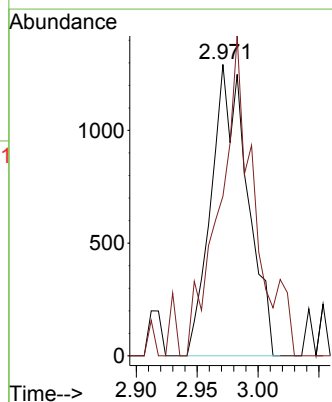
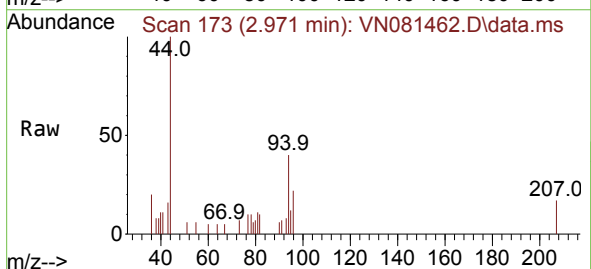
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

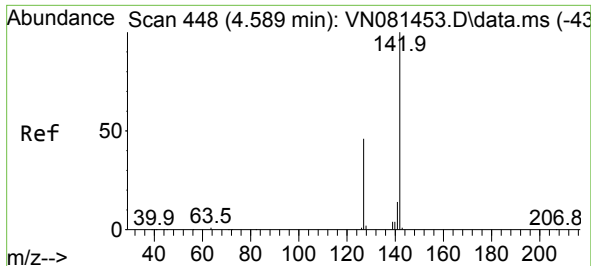
Tgt Ion:168 Resp: 453594
Ion Ratio Lower Upper
168 100
99 61.0 59.9 89.9



#5
Bromomethane
Concen: 0.554 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

Tgt Ion: 94 Resp: 2675
Ion Ratio Lower Upper
94 100
96 54.8 69.2 103.8#

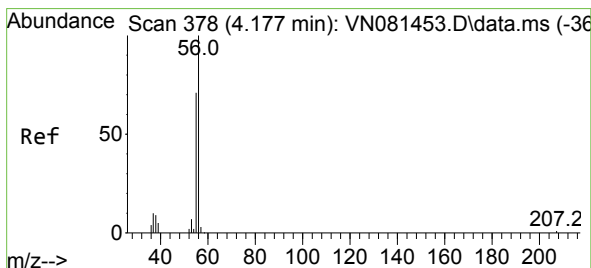
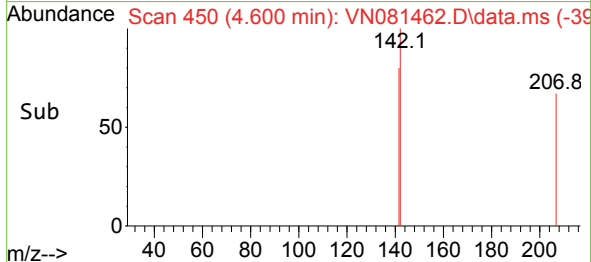
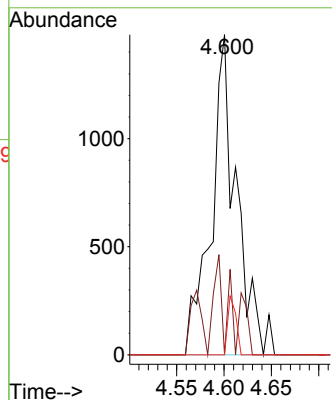
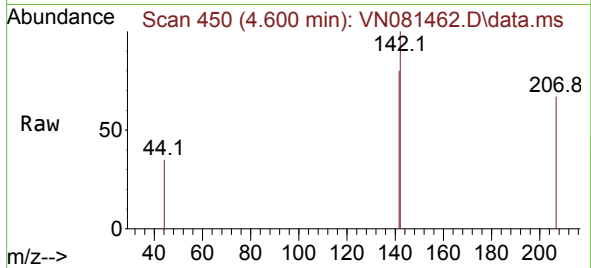




#10
Methyl Iodide
Concen: 0.478 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

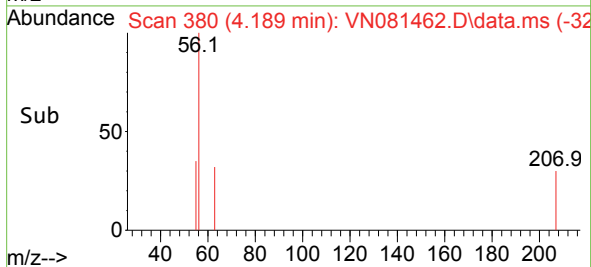
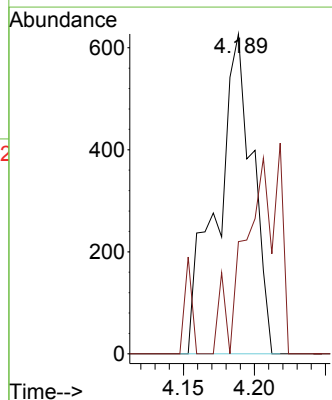
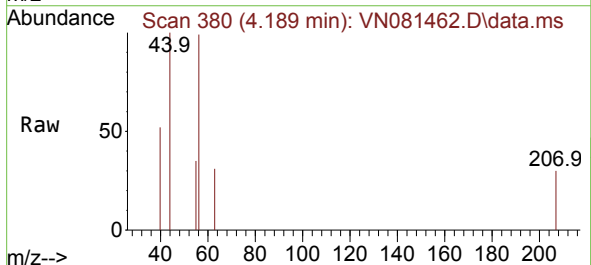
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

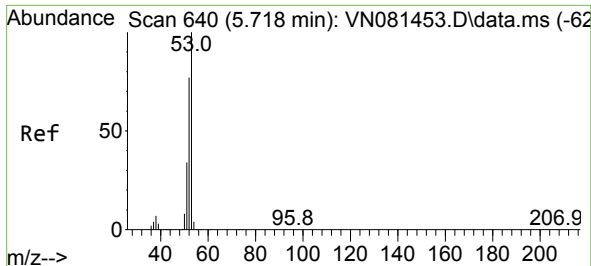
Tgt Ion:142 Resp: 2753
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 12.5 18.7#



#13
Acrolein
Concen: 1.207 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

Tgt Ion: 56 Resp: 1092
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

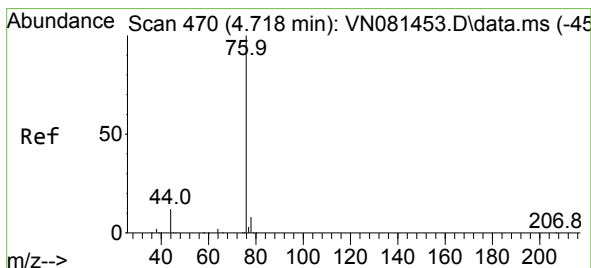
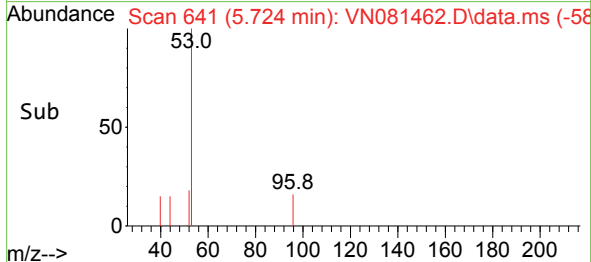
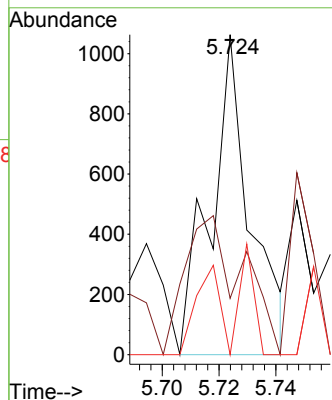
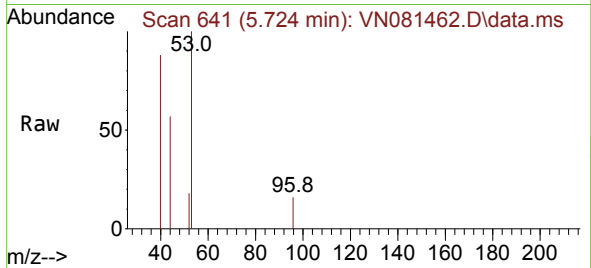




#15
Acrylonitrile
Concen: 0.381 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

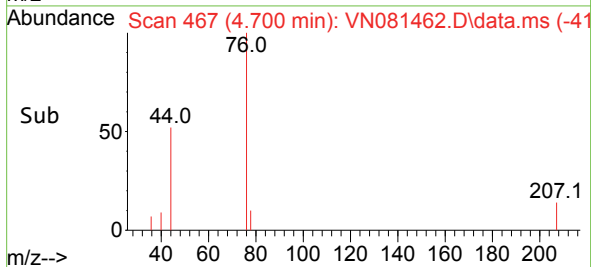
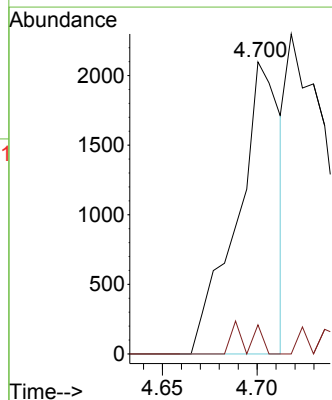
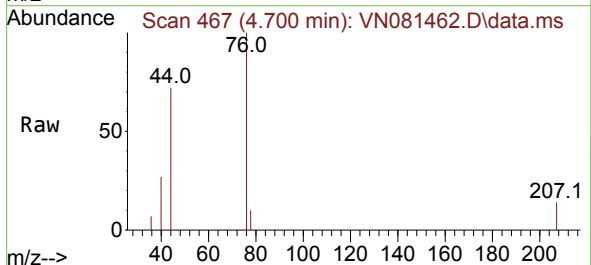
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

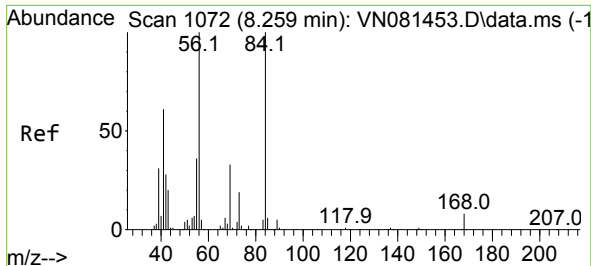
Tgt Ion: 53 Resp: 1028
Ion Ratio Lower Upper
53 100
52 75.8 64.8 97.2
51 16.9 26.9 40.3#



#17
Carbon Disulfide
Concen: 0.216 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.018 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

Tgt Ion: 76 Resp: 3317
Ion Ratio Lower Upper
76 100
78 10.0 6.3 9.5#

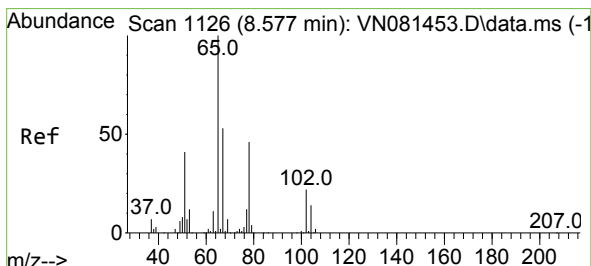
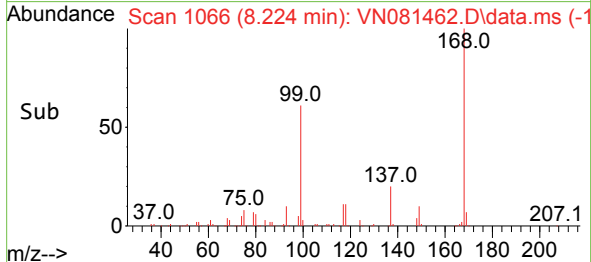
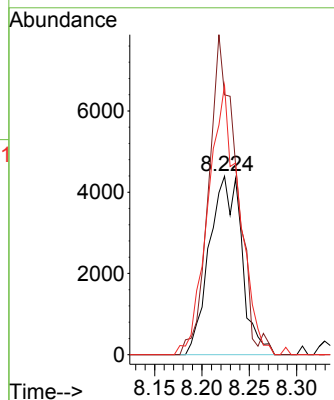
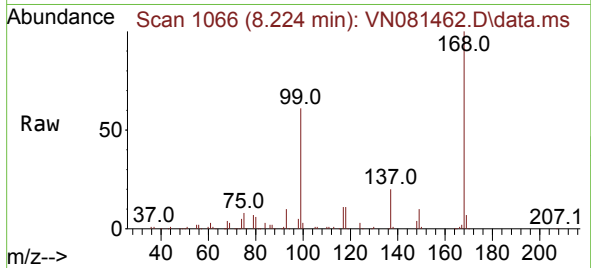




#31
Cyclohexane
Concen: 1.114 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

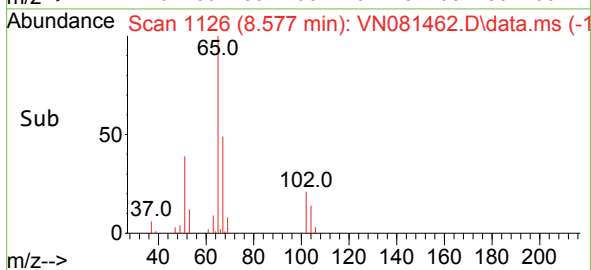
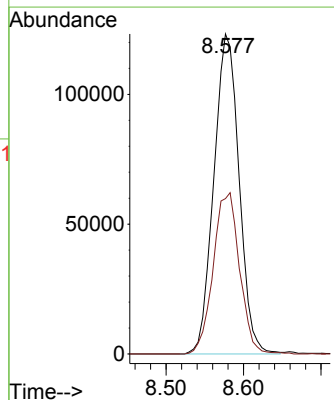
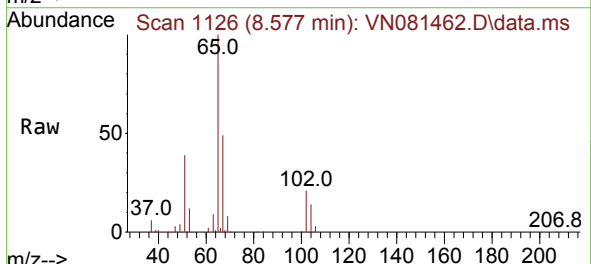
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

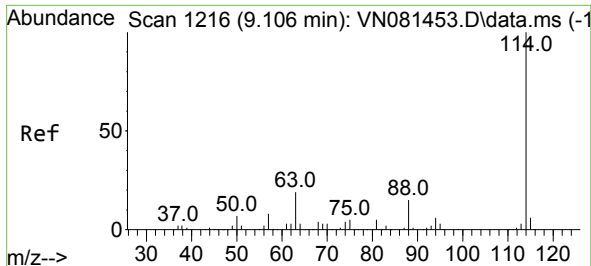
Tgt Ion: 56 Resp: 10487
Ion Ratio Lower Upper
56 100
69 145.6 20.1 30.1#
84 150.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 48.215 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

Tgt Ion: 65 Resp: 278900
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081462.D

Acq: 19 Mar 2024 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0319MBL01

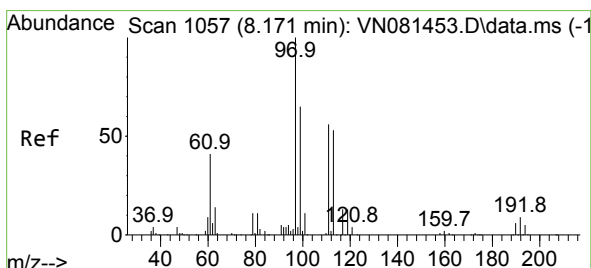
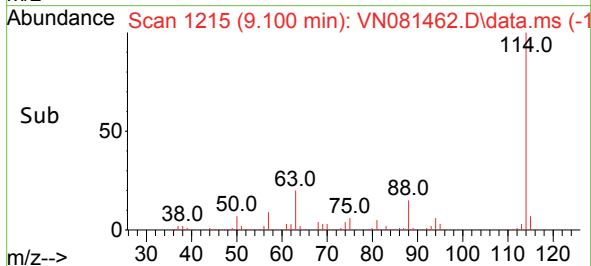
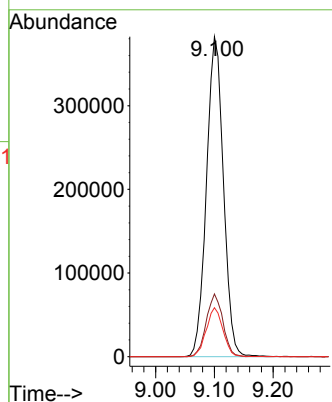
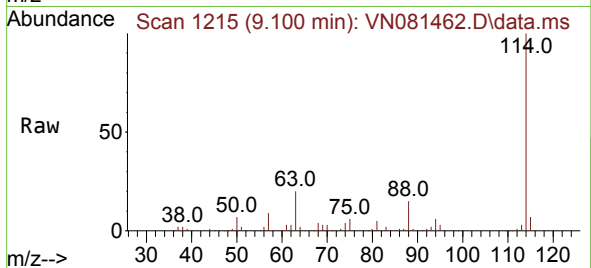
Tgt Ion:114 Resp: 766650

Ion Ratio Lower Upper

114 100

63 19.6 0.0 48.0

88 15.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.339 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN081462.D

Acq: 19 Mar 2024 11:38

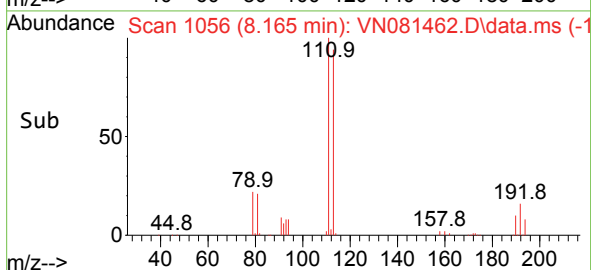
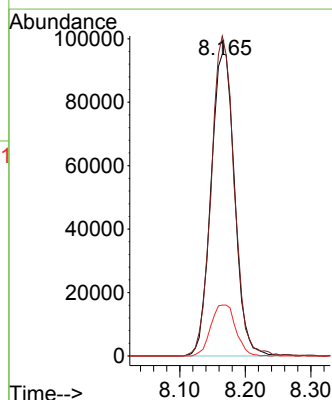
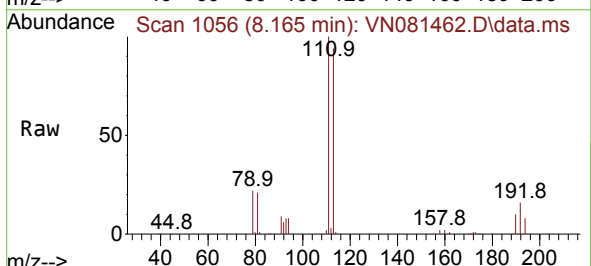
Tgt Ion:113 Resp: 238718

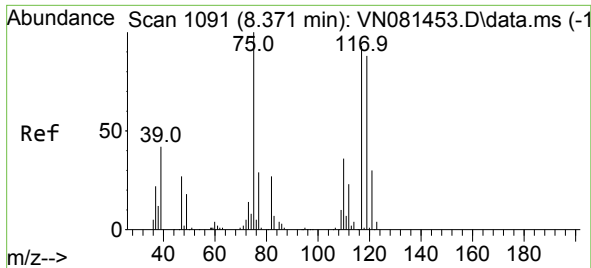
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 17.7 12.5 18.7

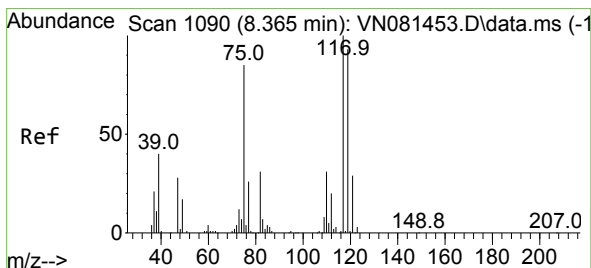
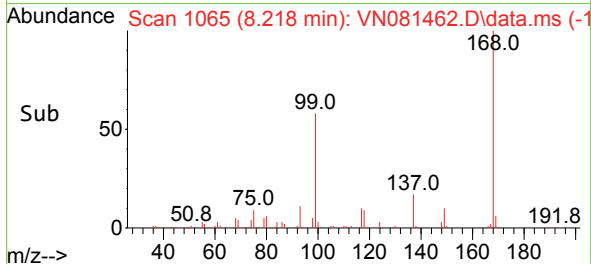
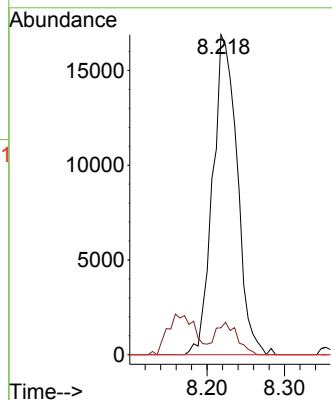
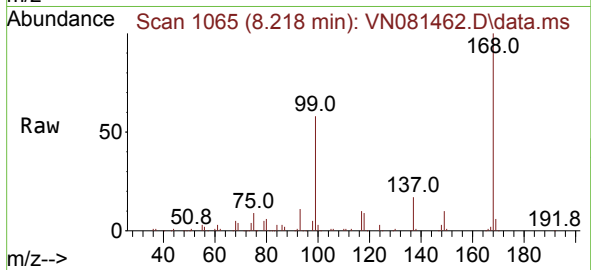




#36
1,1-Dichloropropene
Concen: 4.545 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

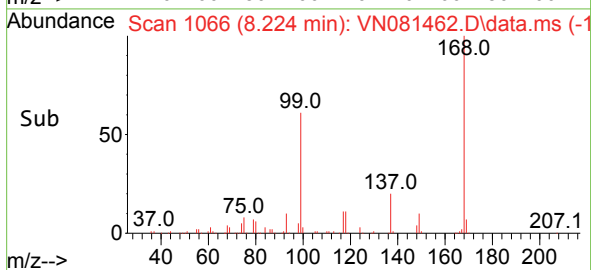
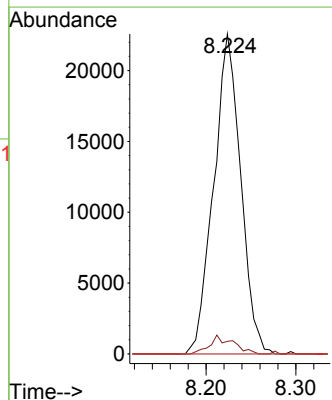
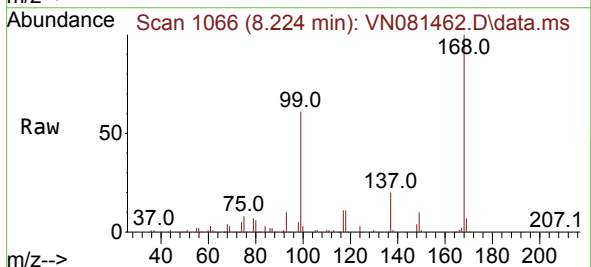
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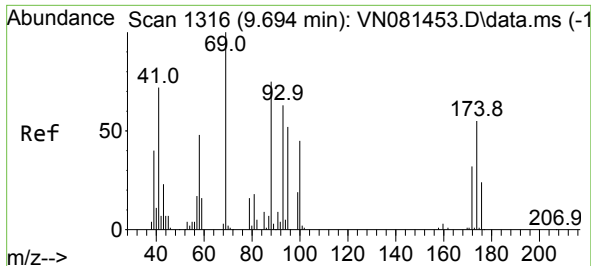
Tgt Ion: 75 Resp: 37009
Ion Ratio Lower Upper
75 100
110 9.0 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.289 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

Tgt Ion: 117 Resp: 47178
Ion Ratio Lower Upper
117 100
119 3.9 73.4 110.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.585 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN081462.D

Acq: 19 Mar 2024 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0319MBL01

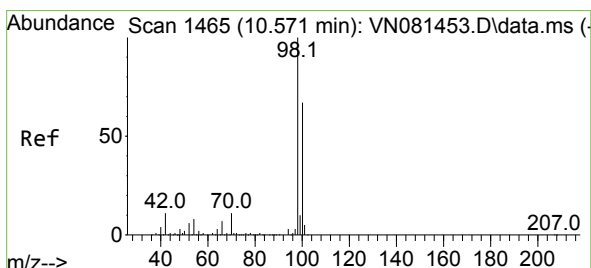
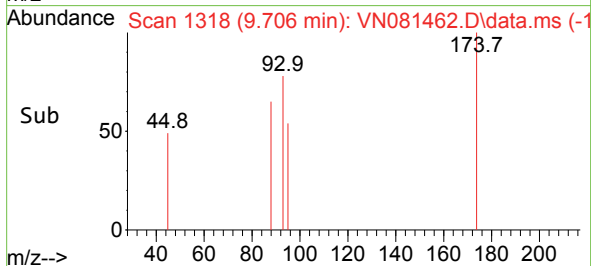
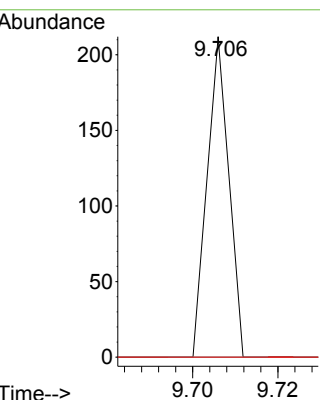
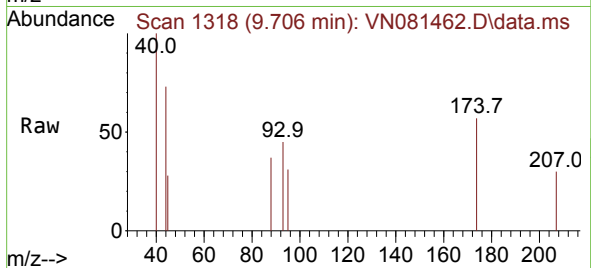
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 51.241 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081462.D

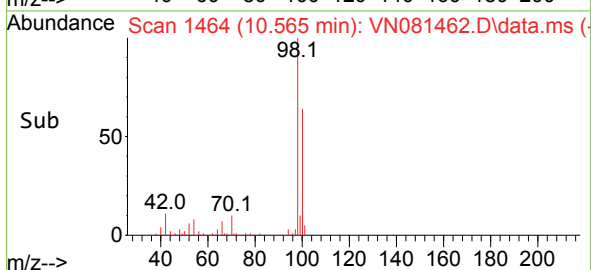
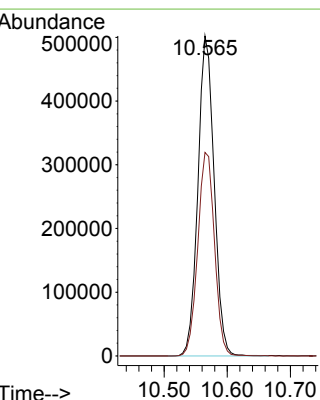
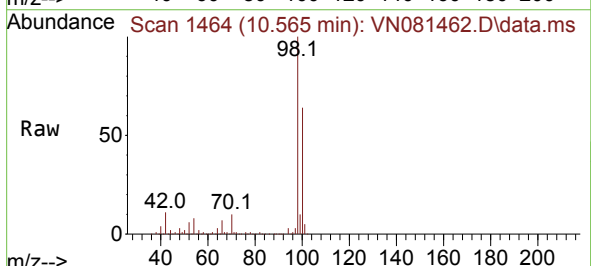
Acq: 19 Mar 2024 11:38

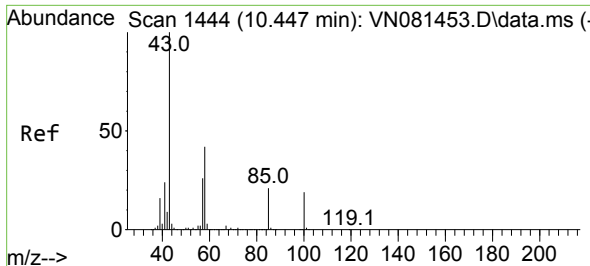
Tgt Ion: 98 Resp: 896200

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.547 ug/l

RT: 10.559 min Scan# 1444

Delta R.T. 0.112 min

Lab File: VN081462.D

Acq: 19 Mar 2024 11:38

Instrument :

MSVOA_N

ClientSampleId :

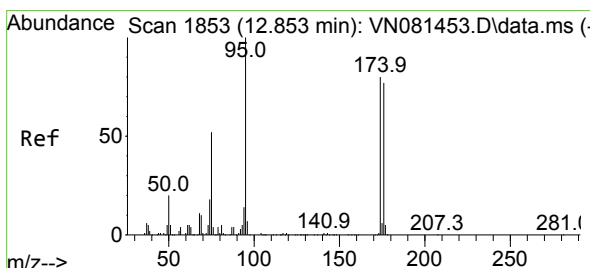
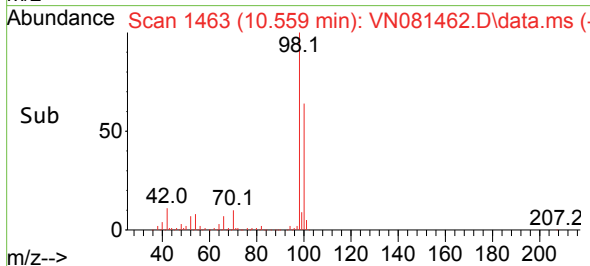
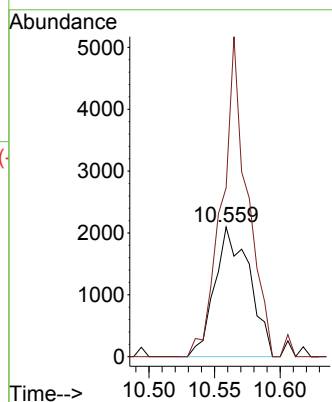
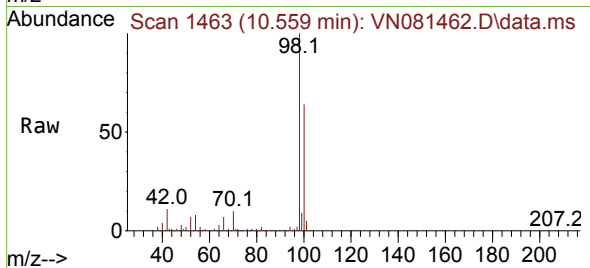
VN0319MBL01

Tgt Ion: 43 Resp: 3856

Ion Ratio Lower Upper

43 100

58 180.9 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 45.791 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VN081462.D

Acq: 19 Mar 2024 11:38

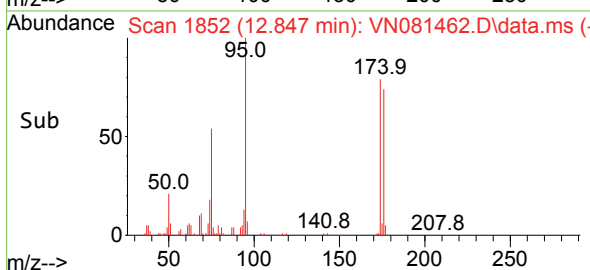
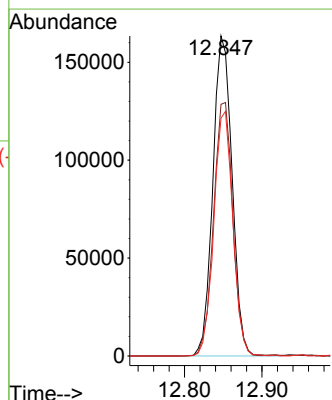
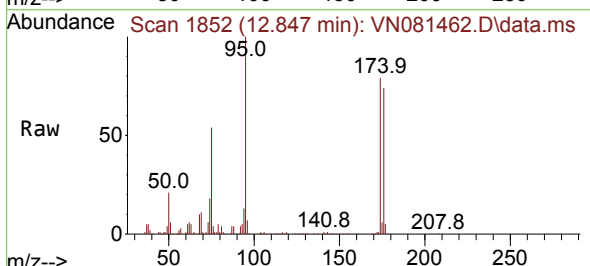
Tgt Ion: 95 Resp: 282201

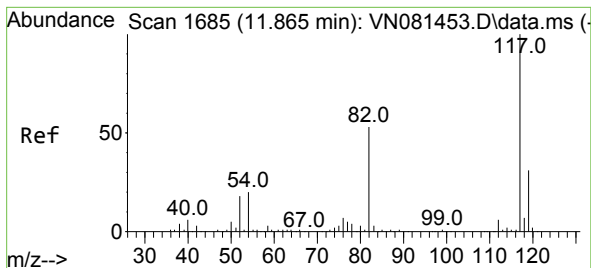
Ion Ratio Lower Upper

95 100

174 79.6 0.0 120.4

176 75.6 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081462.D

Acq: 19 Mar 2024 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0319MBL01

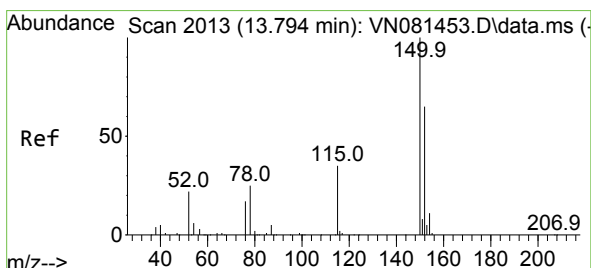
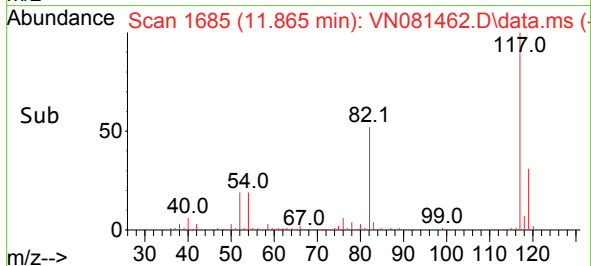
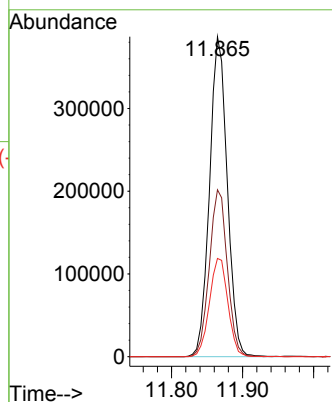
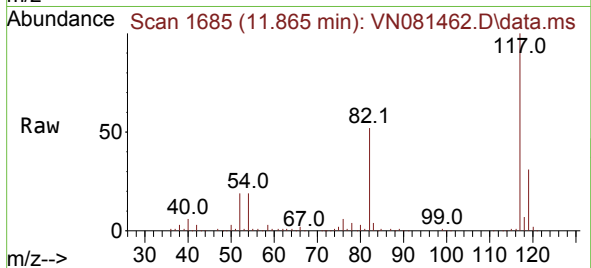
Tgt Ion:117 Resp: 669244

Ion Ratio Lower Upper

117 100

82 52.2 52.7 79.1#

119 30.7 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081462.D

Acq: 19 Mar 2024 11:38

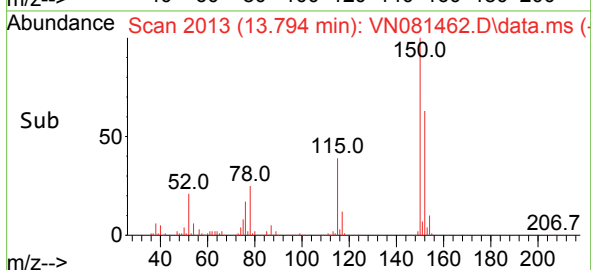
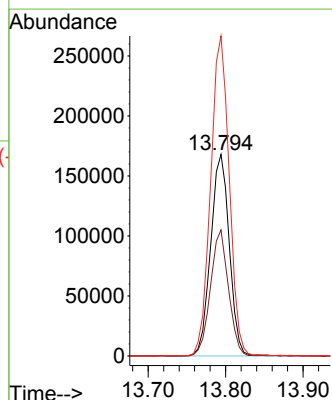
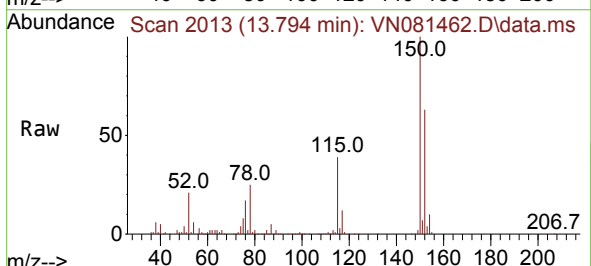
Tgt Ion:152 Resp: 280044

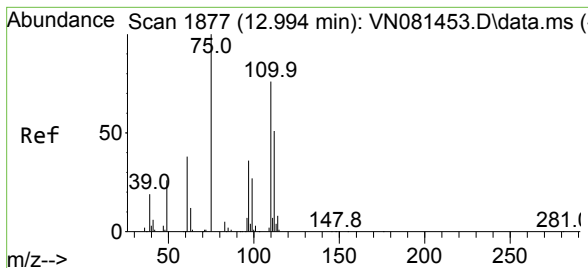
Ion Ratio Lower Upper

152 100

115 60.5 32.3 96.8

150 158.7 0.0 339.8

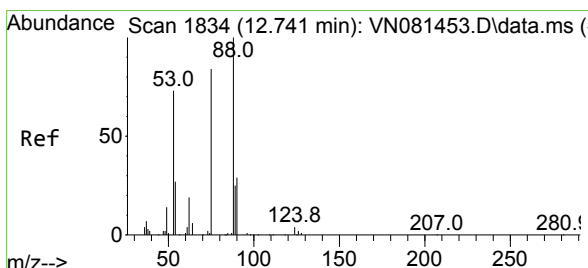
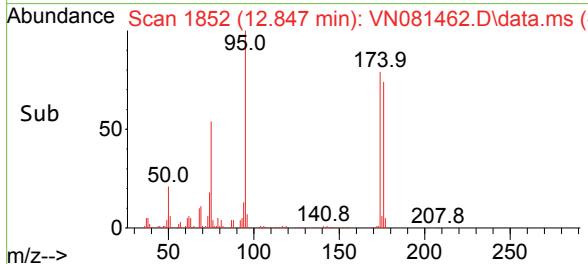
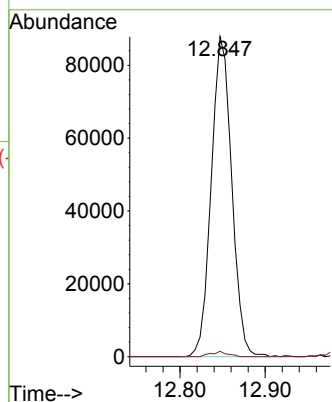
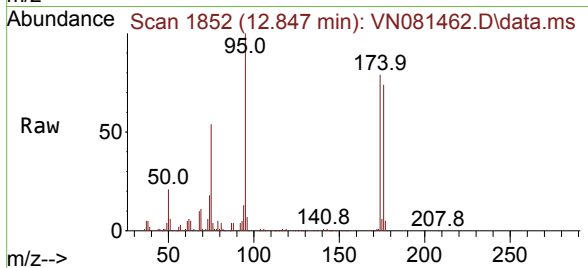




#76
1,2,3-Trichloropropane
Concen: 21.954 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

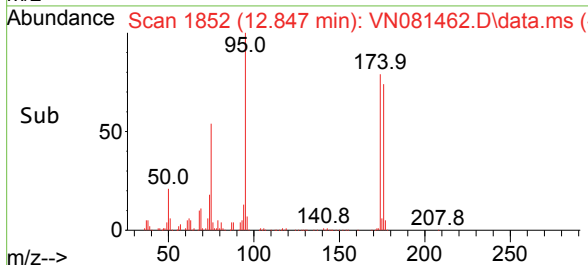
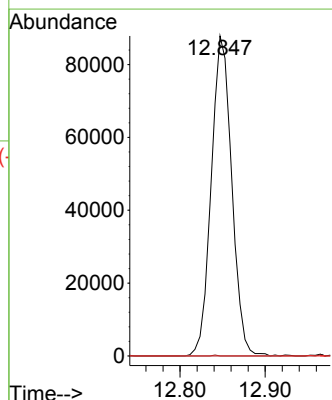
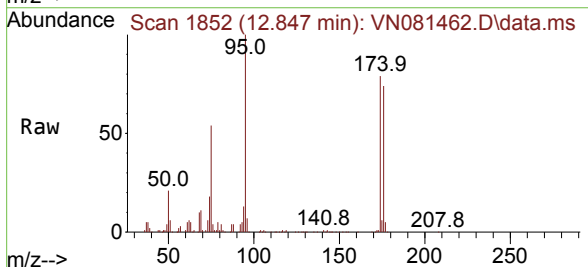
Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

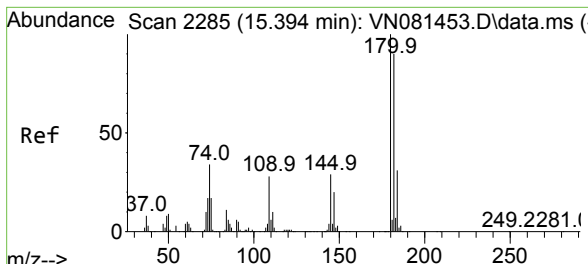
Tgt Ion: 75 Resp: 147064
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.326 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

Tgt Ion: 75 Resp: 147064
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

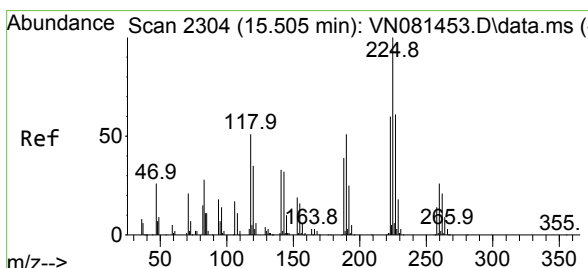
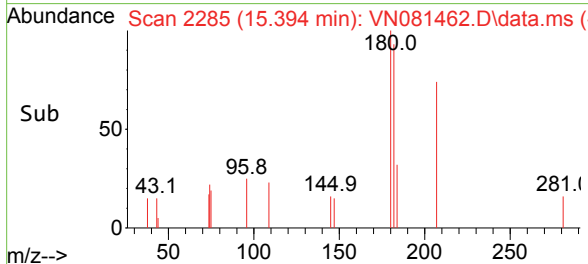
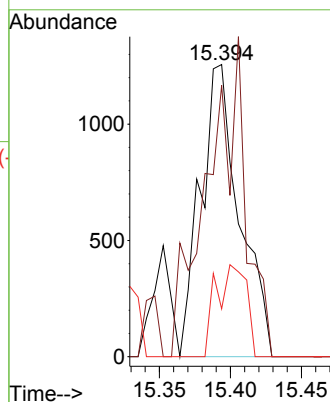
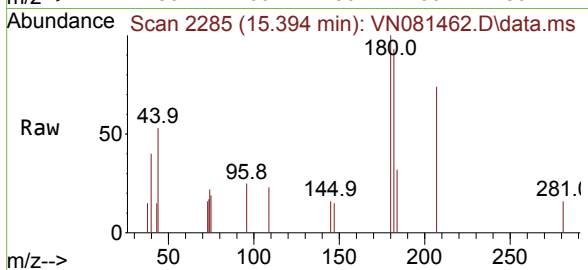




#93
 1,2,4-Trichlorobenzene
 Concen: 0.397 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN081462.D
 Acq: 19 Mar 2024 11:38

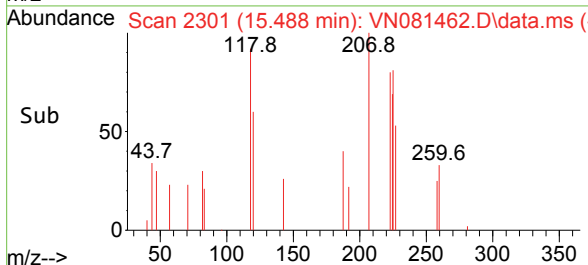
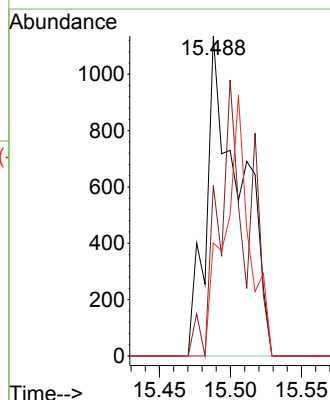
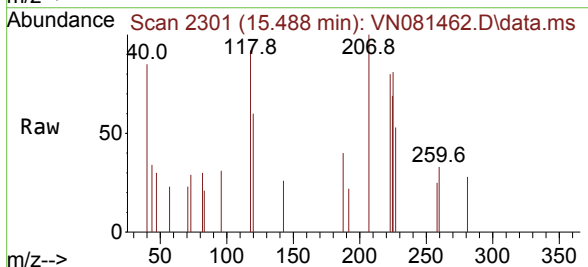
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319MBL01

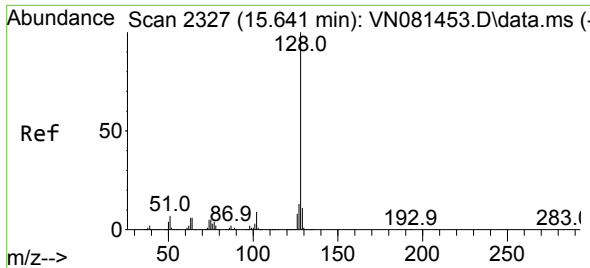
Tgt Ion:	180	Resp:	2393
Ion Ratio	Lower	Upper	
180	100		
182	106.9	46.6	139.7
145	24.4	16.8	50.3



#94
 Hexachlorobutadiene
 Concen: 0.716 ug/l
 RT: 15.488 min Scan# 2301
 Delta R.T. -0.018 min
 Lab File: VN081462.D
 Acq: 19 Mar 2024 11:38

Tgt Ion:	225	Resp:	1894
Ion Ratio	Lower	Upper	
225	100		
223	53.4	33.3	99.8
227	59.1	33.1	99.2

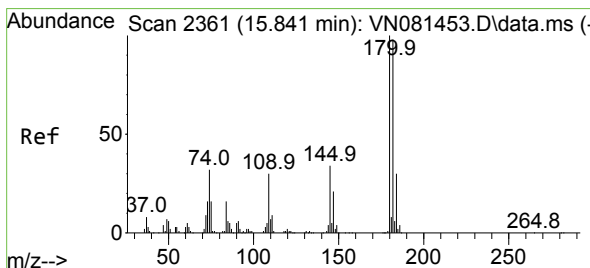
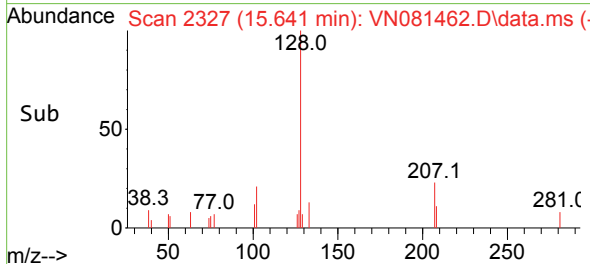
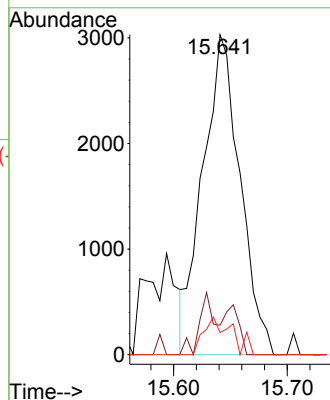
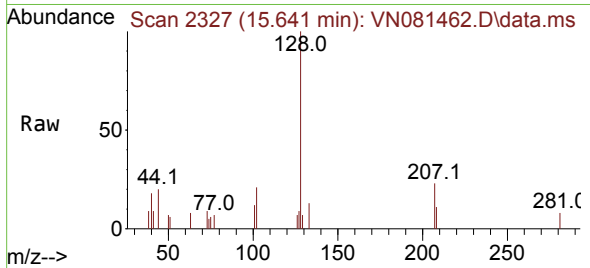




#95
Naphthalene
Concen: 0.353 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0319MBL01

Tgt Ion:128 Resp: 6903
Ion Ratio Lower Upper
128 100
127 8.4 10.0 15.0#
129 8.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.528 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN081462.D
Acq: 19 Mar 2024 11:38

Tgt Ion:180 Resp: 3202
Ion Ratio Lower Upper
180 100
182 71.1 46.5 139.3
145 25.3 17.8 53.4

