

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071024\
 Data File : VN082853.D
 Acq On : 10 Jul 2024 14:24
 Operator : JC\MD
 Sample : P3170-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 11 03:48:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

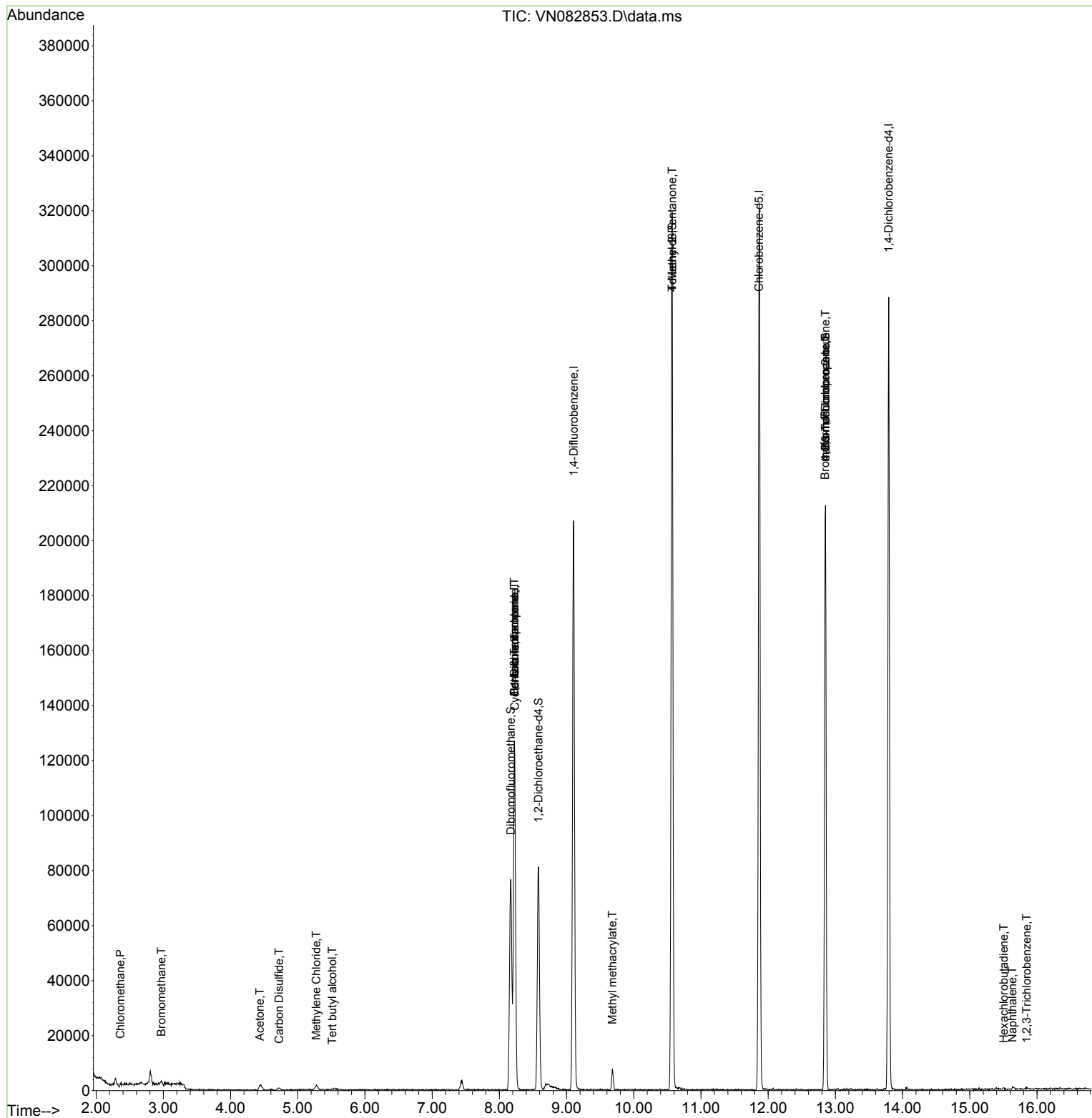
Internal Standards						
1) Pentafluorobenzene	8.224	168	88756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	174992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	179903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	74146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	67690	54.405	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.820%	
35) Dibromofluoromethane	8.171	113	56180	50.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	10.571	98	216264	52.145	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.300%	
62) 4-Bromofluorobenzene	12.853	95	69895	46.917	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 93.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	444	0.407	ug/l #	63
5) Bromomethane	2.971	94	634	0.768	ug/l	82
11) Tert butyl alcohol	5.512	59	67	0.320	ug/l #	71
16) Acetone	4.436	43	2210	5.045	ug/l #	82
17) Carbon Disulfide	4.724	76	1062	0.392	ug/l #	75
20) Methylene Chloride	5.277	84	1275	1.205	ug/l #	61
31) Cyclohexane	8.230	56	2243	1.379	ug/l #	44
36) 1,1-Dichloropropene	8.224	75	8104	5.235	ug/l #	50
38) Carbon Tetrachloride	8.224	117	9855	5.287	ug/l #	19
43) Isopropyl Acetate	8.688	43	1392	Below Cal	#	60
48) Methyl methacrylate	9.682	41	3748	3.033	ug/l #	89
51) 4-Methyl-2-Pentanone	10.571	43	1106	0.708	ug/l #	1
71) Bromoform	12.847	173	610	0.566	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	39568	30.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	39568	60.876	ug/l #	6
94) Hexachlorobutadiene	15.506	225	210	0.361	ug/l #	50
95) Naphthalene	15.635	128	1111	0.247	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.847	180	340	0.252	ug/l #	70

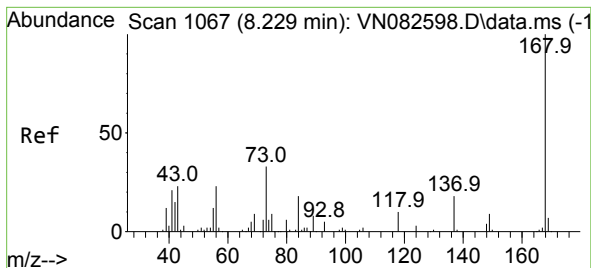
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 11 03:48:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.005 min

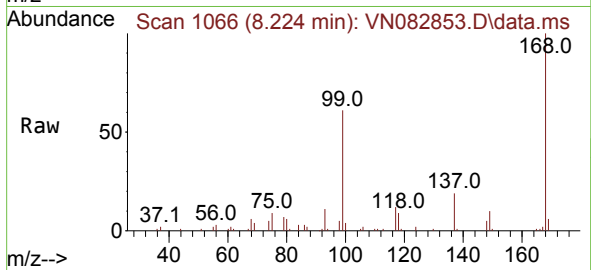
Lab File: VN082853.D

Acq: 10 Jul 2024 14:24

Instrument :

MSVOA_N

ClientSampleId :

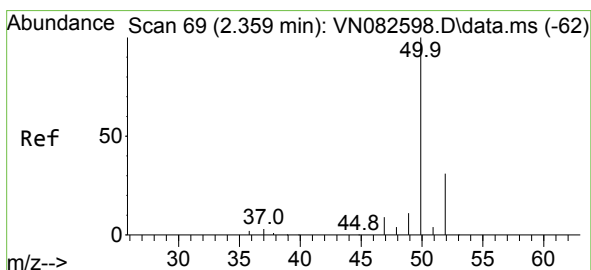
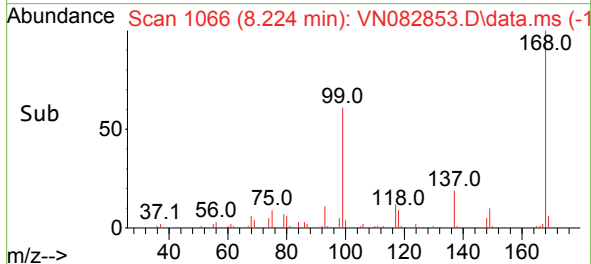
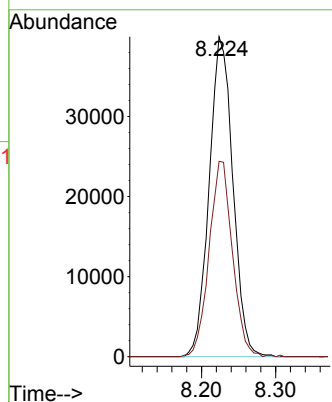


Tgt Ion:168 Resp: 88756

Ion Ratio Lower Upper

168 100

99 61.1 48.2 72.4



#3

Chloromethane

Concen: 0.407 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082853.D

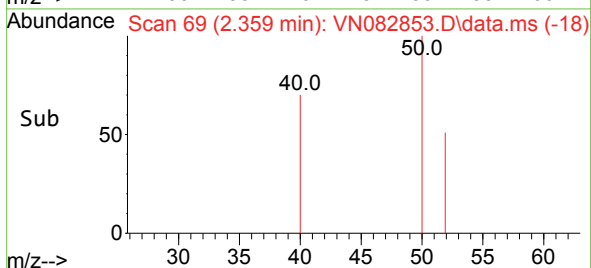
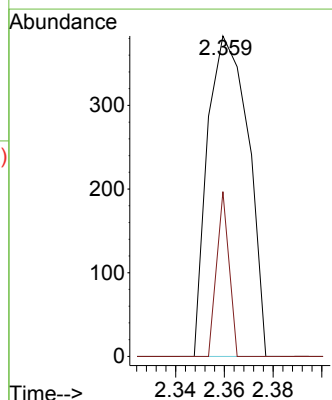
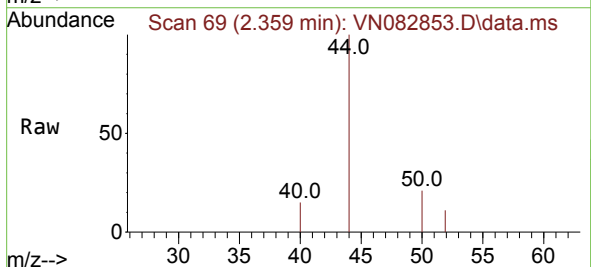
Acq: 10 Jul 2024 14:24

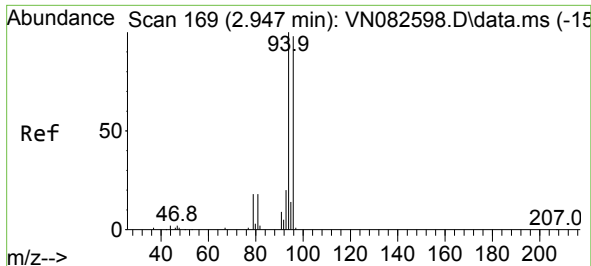
Tgt Ion: 50 Resp: 444

Ion Ratio Lower Upper

50 100

52 51.4 25.0 37.4#

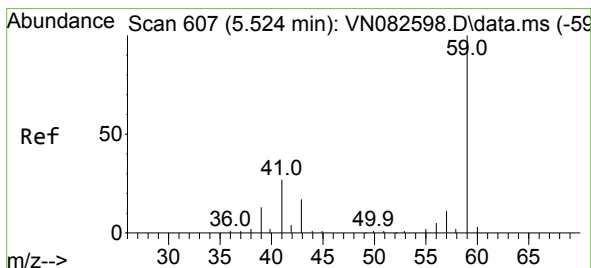
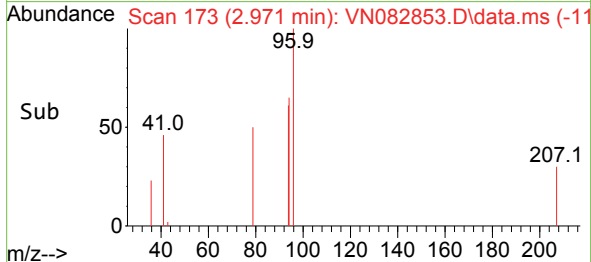
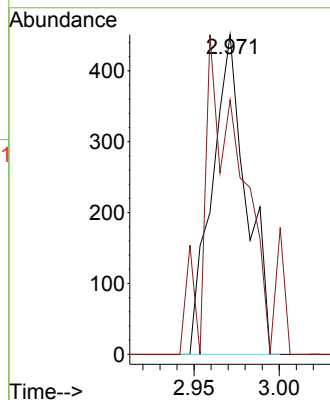
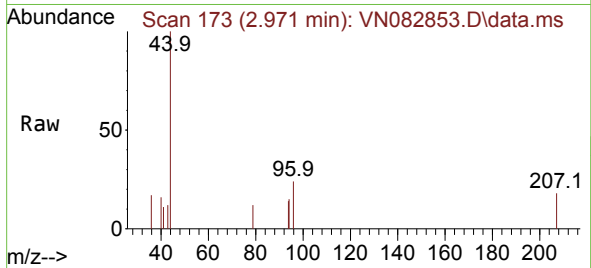




#5
Bromomethane
Concen: 0.768 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

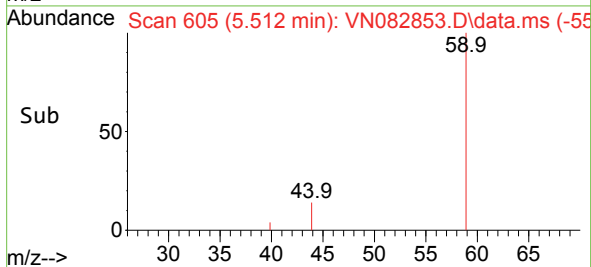
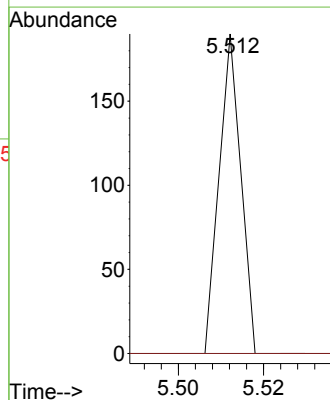
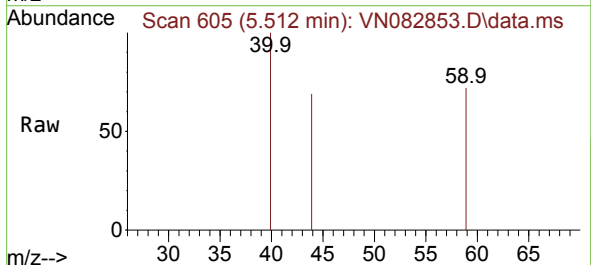
Instrument :
MSVOA_N
ClientSampleId :

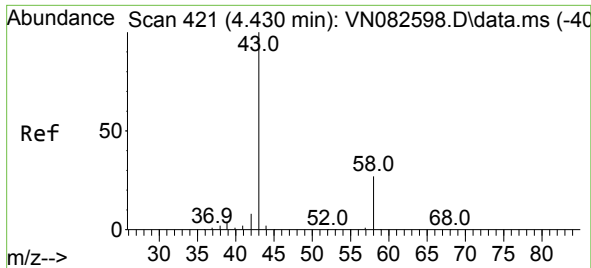
Tgt Ion: 94 Resp: 634
Ion Ratio Lower Upper
94 100
96 79.6 78.0 117.0



#11
Tert butyl alcohol
Concen: 0.320 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

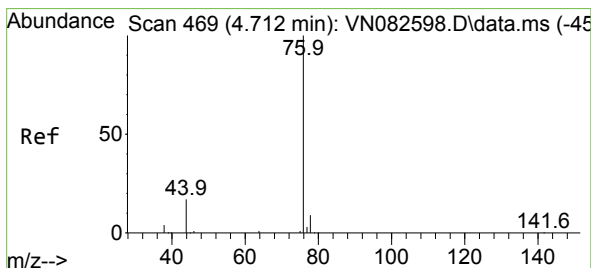
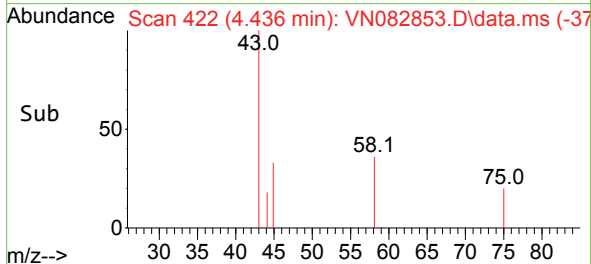
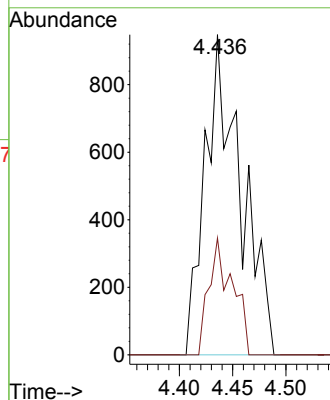
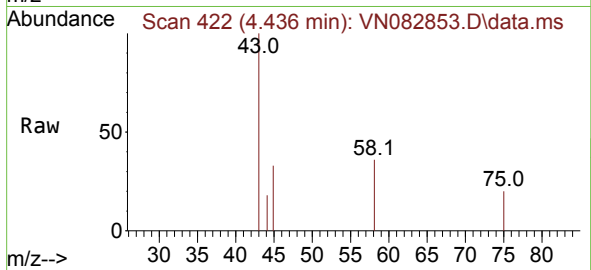




#16
Acetone
Concen: 5.045 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

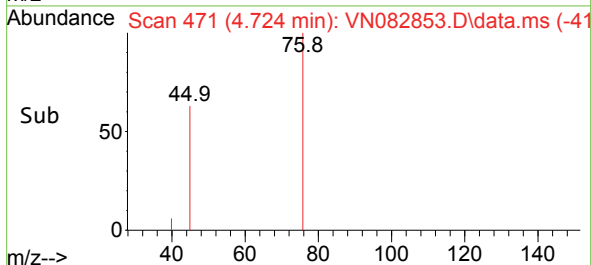
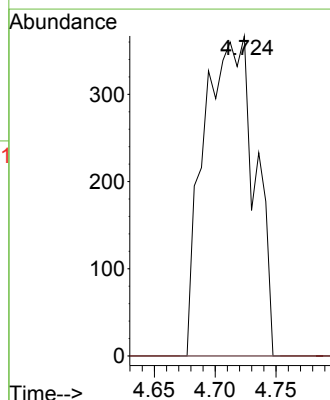
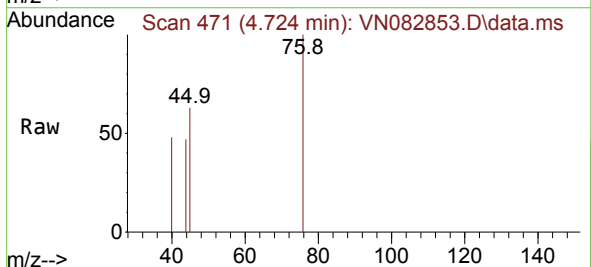
Instrument :
MSVOA_N
ClientSampleId :

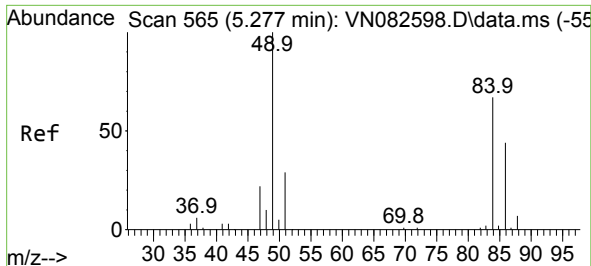
Tgt Ion: 43 Resp: 2210
Ion Ratio Lower Upper
43 100
58 36.5 21.8 32.6#



#17
Carbon Disulfide
Concen: 0.392 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

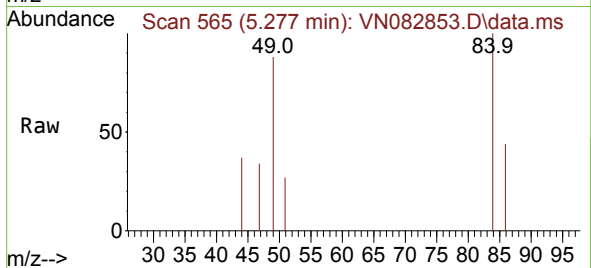
Tgt Ion: 76 Resp: 1062
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





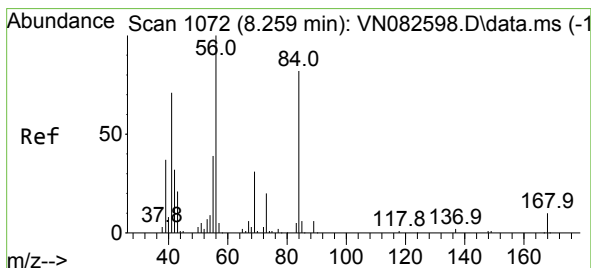
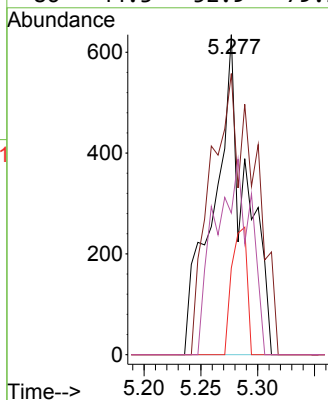
#20
Methylene Chloride
Concen: 1.205 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1275

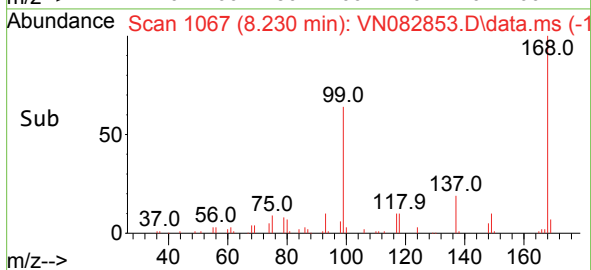
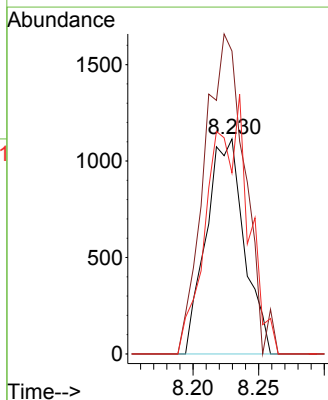
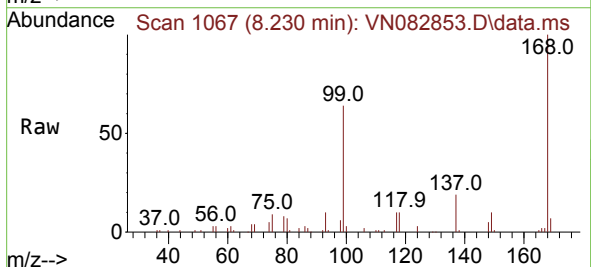
Ion	Ratio	Lower	Upper
84	100		
49	87.9	119.6	179.4#
51	27.1	34.8	52.2#
86	44.3	52.9	79.3#

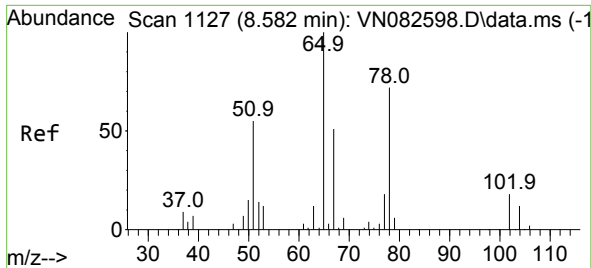


#31
Cyclohexane
Concen: 1.379 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Tgt Ion: 56 Resp: 2243

Ion	Ratio	Lower	Upper
56	100		
69	140.8	24.5	36.7#
84	84.2	66.0	99.0

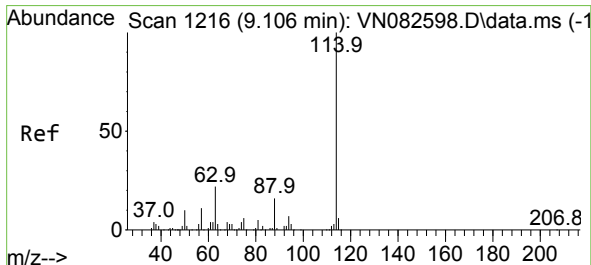
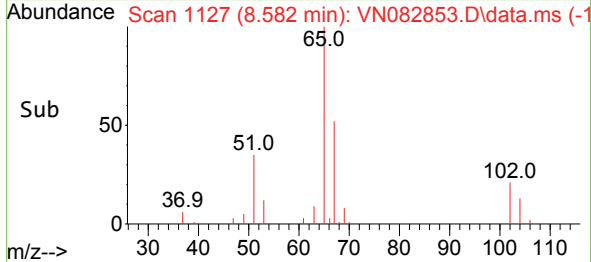
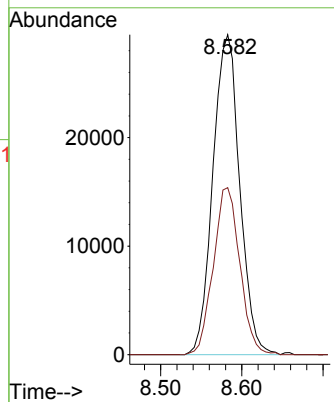
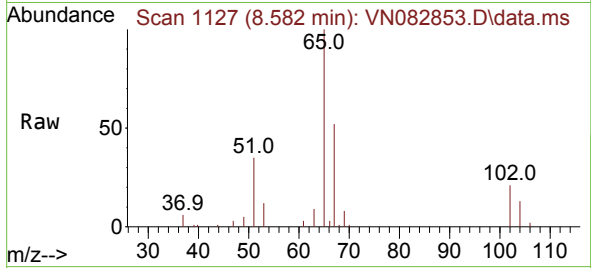




#33
 1,2-Dichloroethane-d4
 Concen: 54.405 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082853.D
 Acq: 10 Jul 2024 14:24

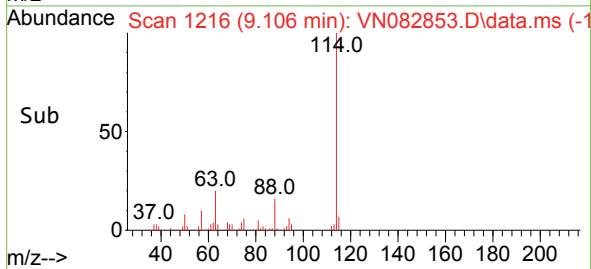
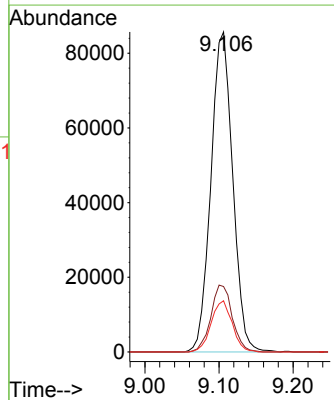
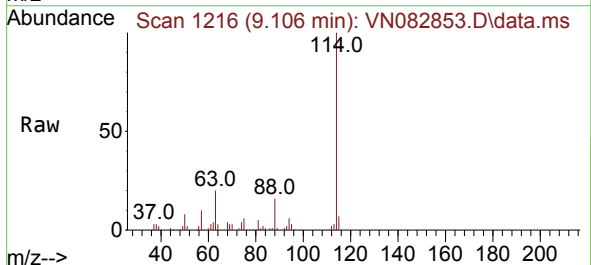
Instrument :
 MSVOA_N
 ClientSampleId :

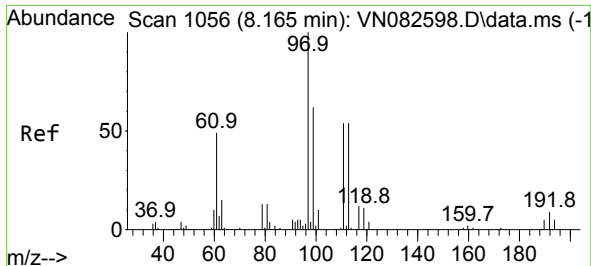
Tgt Ion: 65 Resp: 67690
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082853.D
 Acq: 10 Jul 2024 14:24

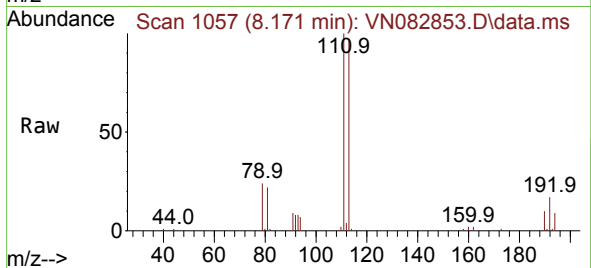
Tgt Ion: 114 Resp: 174992
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 44.6
 88 16.0 0.0 31.4



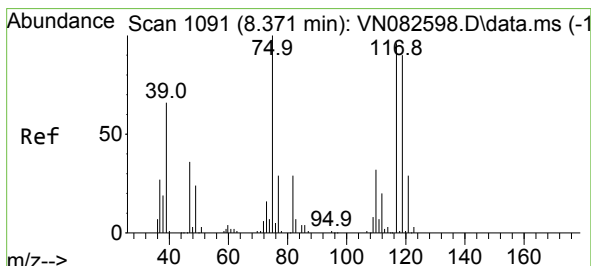
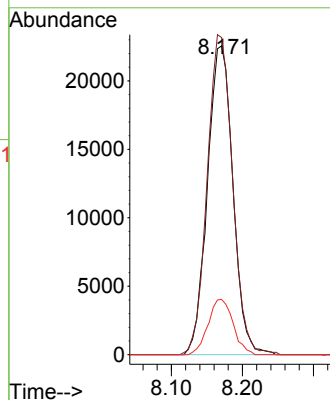
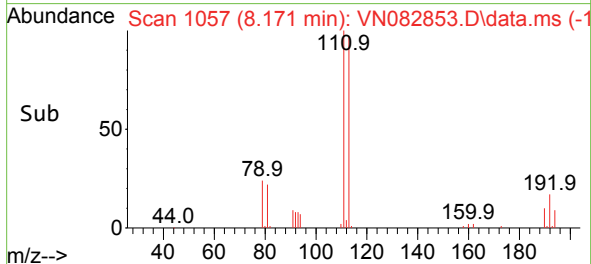


#35
Dibromofluoromethane
Concen: 50.032 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Instrument :
MSVOA_N
ClientSampleId :

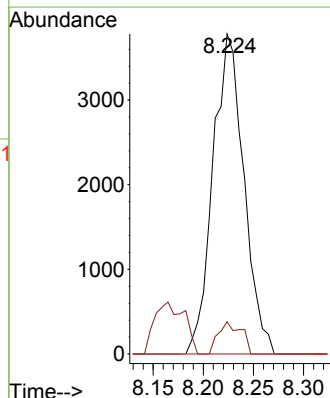
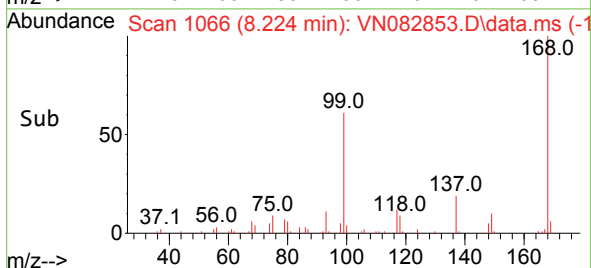
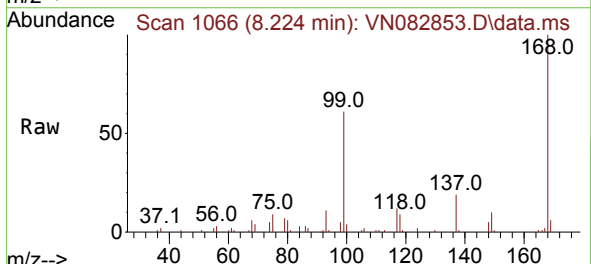


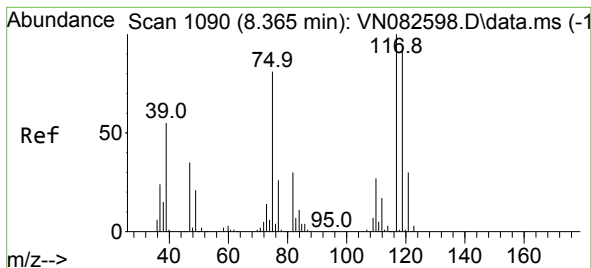
Tgt Ion:113 Resp: 56180
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 17.6 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.235 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Tgt Ion: 75 Resp: 8104
Ion Ratio Lower Upper
75 100
110 7.5 16.3 48.9#
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.287 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

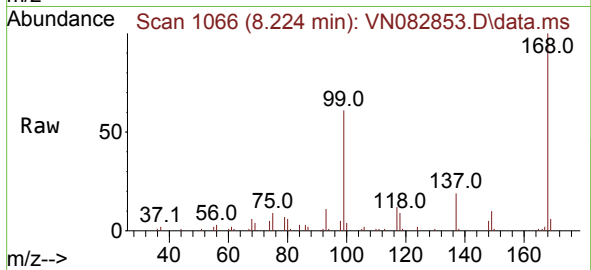
Lab File: VN082853.D

Acq: 10 Jul 2024 14:24

Instrument :

MSVOA_N

ClientSampleId :



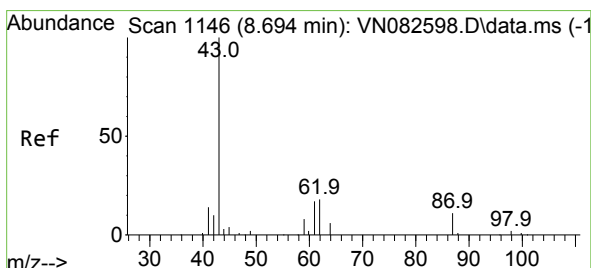
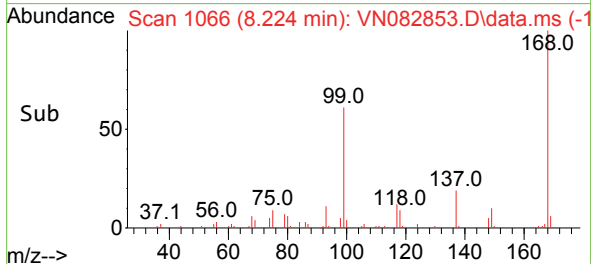
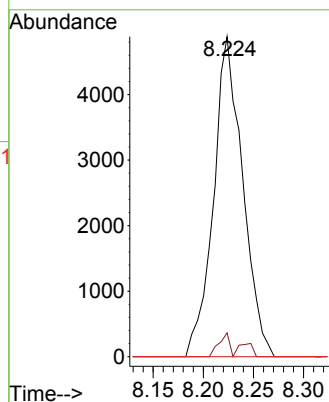
Tgt Ion:117 Resp: 9855

Ion Ratio Lower Upper

117 100

119 7.5 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN082853.D

Acq: 10 Jul 2024 14:24

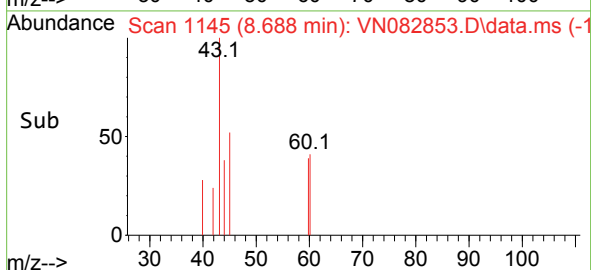
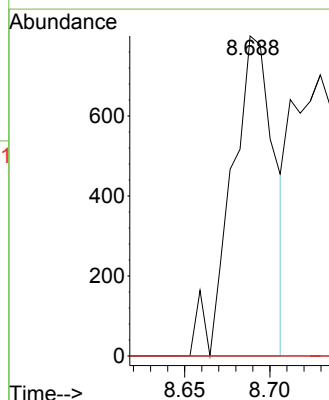
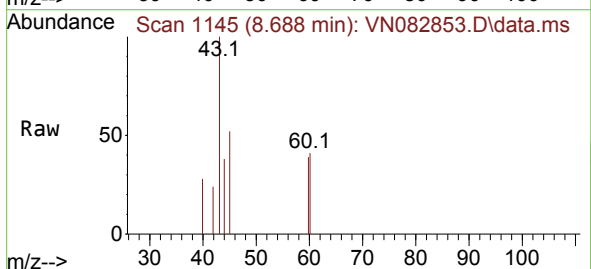
Tgt Ion: 43 Resp: 1392

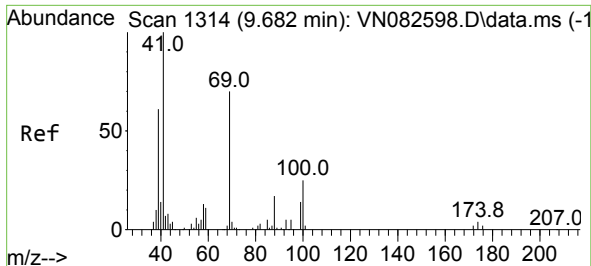
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

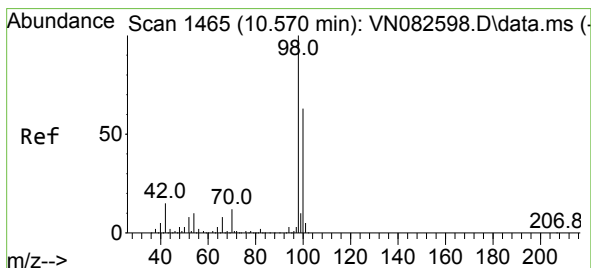
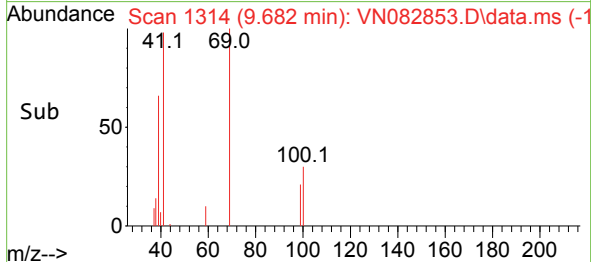
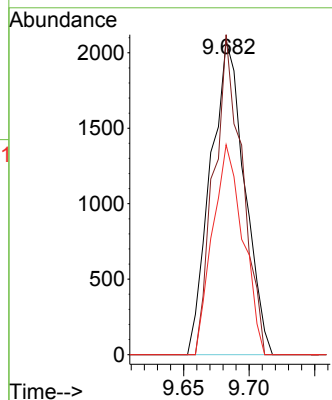
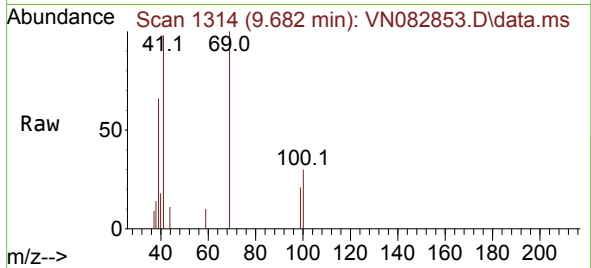




#48
Methyl methacrylate
Concen: 3.033 ug/l
RT: 9.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

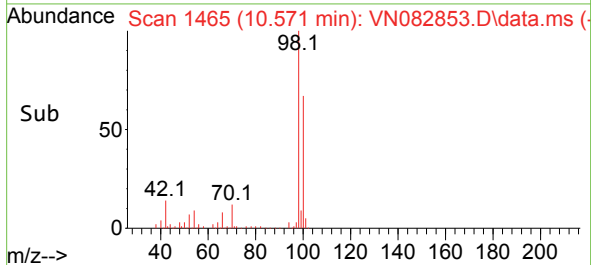
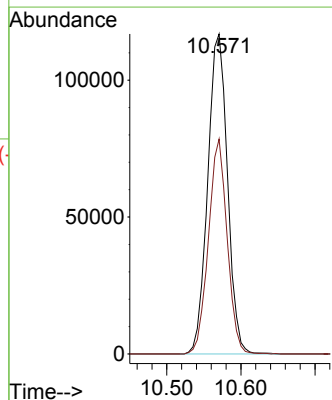
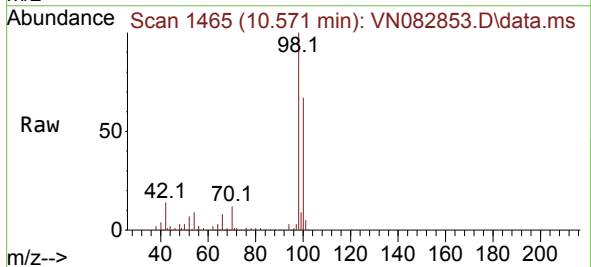
Instrument :
MSVOA_N
ClientSampleId :

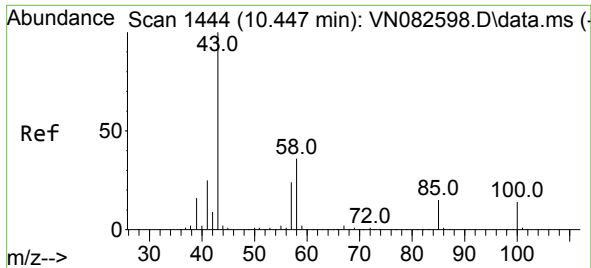
Tgt Ion: 41 Resp: 3748
Ion Ratio Lower Upper
41 100
69 84.6 56.3 84.5#
39 59.8 50.3 75.5



#50
Toluene-d8
Concen: 52.145 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Tgt Ion: 98 Resp: 216264
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3

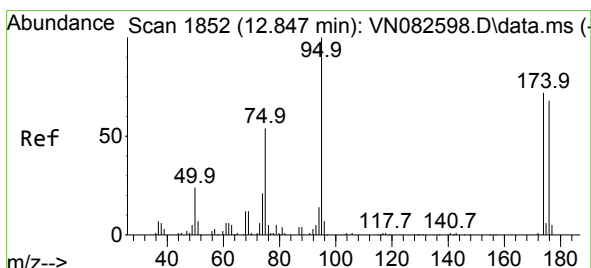
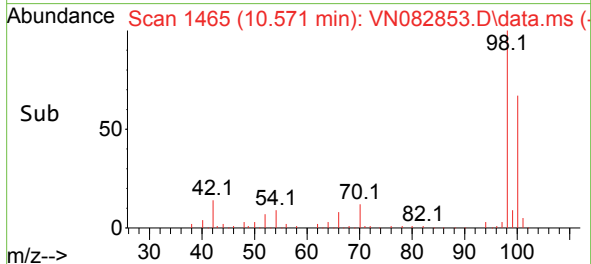
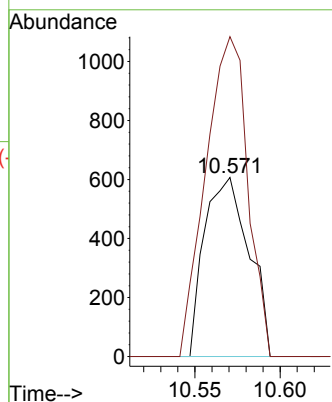
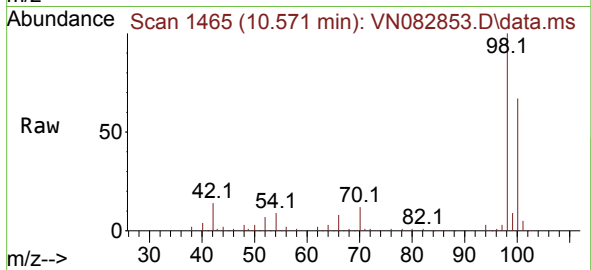




#51
4-Methyl-2-Pentanone
Concen: 0.708 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

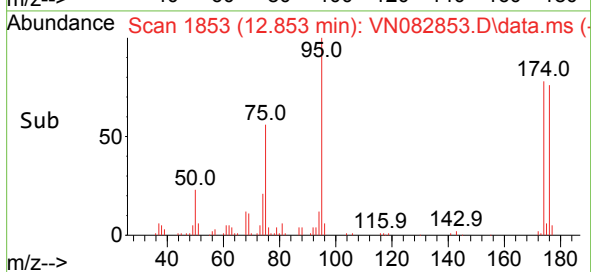
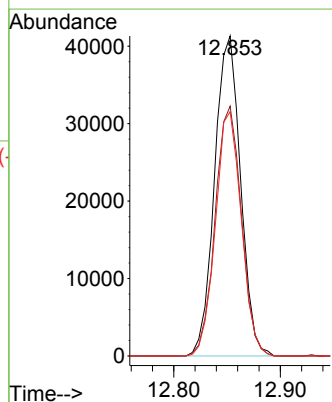
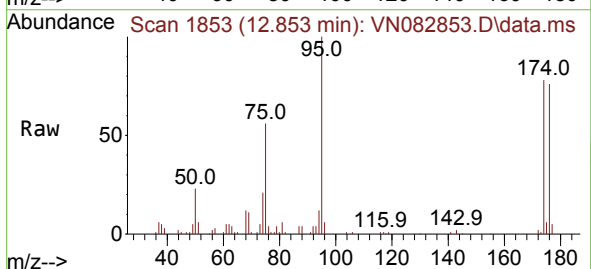
Instrument :
MSVOA_N
ClientSampleId :

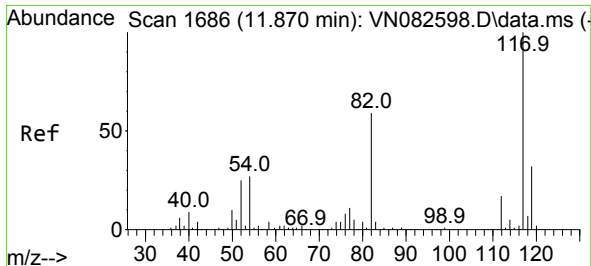
Tgt Ion: 43 Resp: 1106
Ion Ratio Lower Upper
43 100
58 168.2 28.2 42.4#



#62
4-Bromofluorobenzene
Concen: 46.917 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

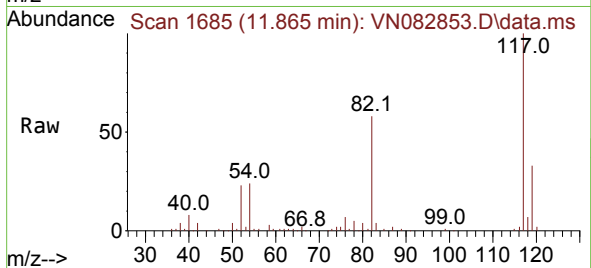
Tgt Ion: 95 Resp: 69895
Ion Ratio Lower Upper
95 100
174 78.9 0.0 159.2
176 76.1 0.0 147.6



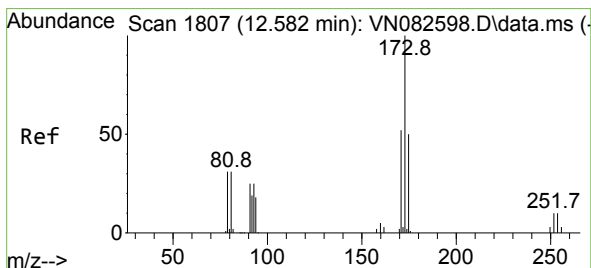
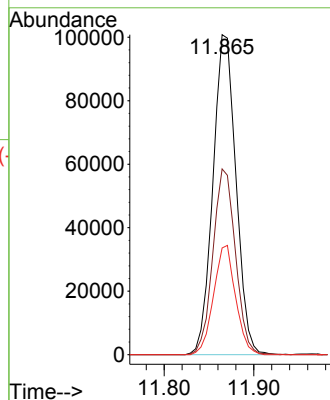
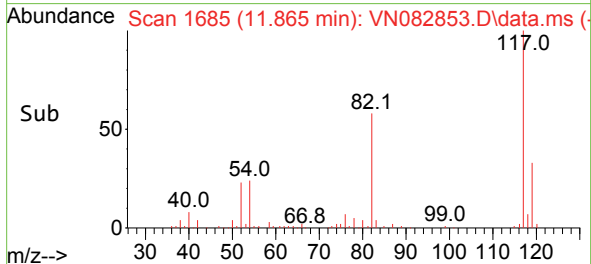


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1179
Delta R.T. -0.005 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Instrument :
MSVOA_N
ClientSampleId :

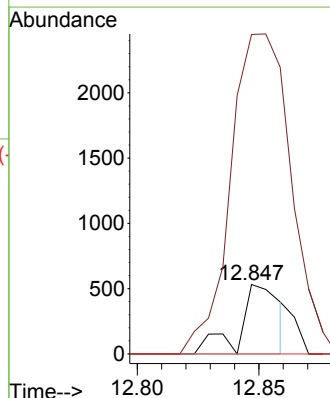
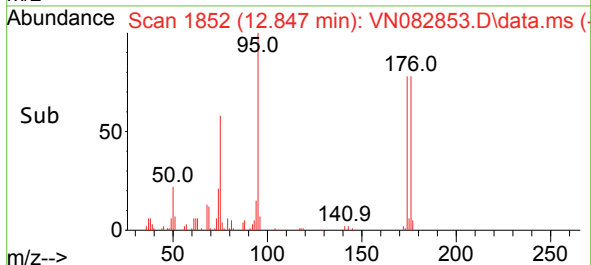
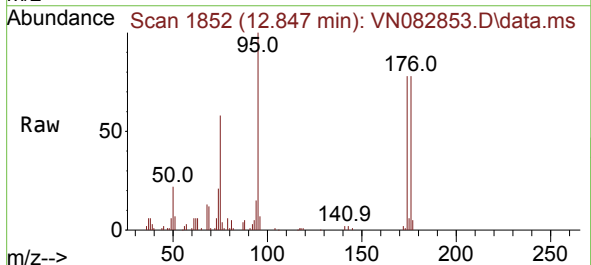


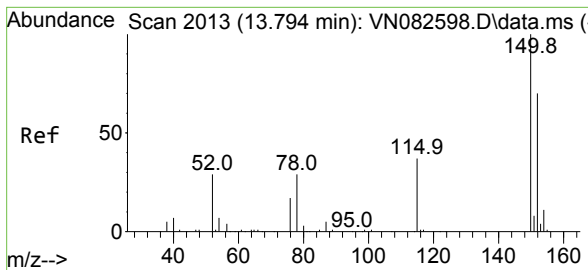
Tgt Ion:117 Resp: 179903
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 33.4 25.6 38.4



#71
Bromoform
Concen: 0.566 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Tgt Ion:173 Resp: 610
Ion Ratio Lower Upper
173 100
175 589.5 24.0 72.0#
254 0.0 0.0 0.0

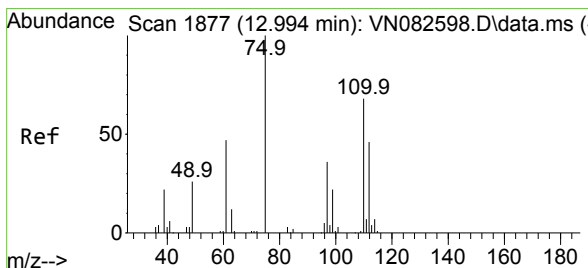
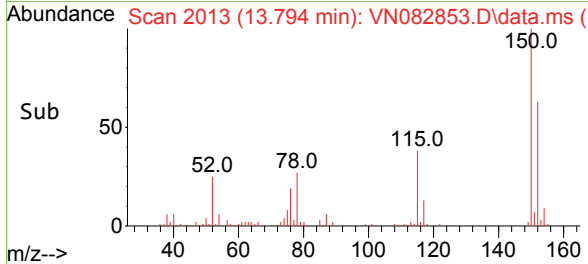
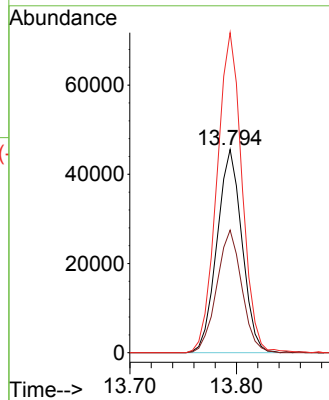
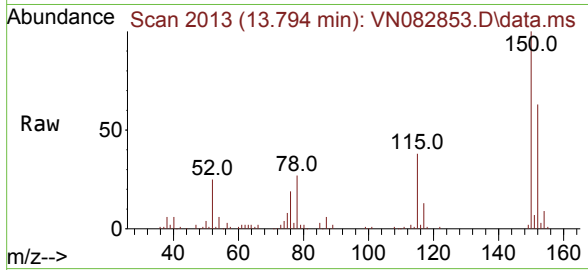




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082853.D
 Acq: 10 Jul 2024 14:24

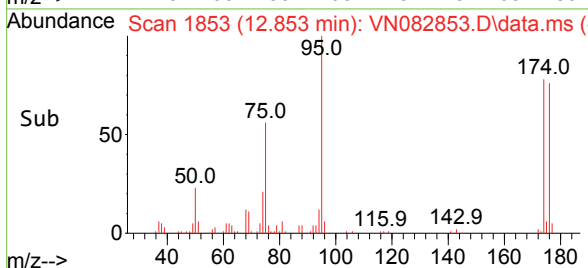
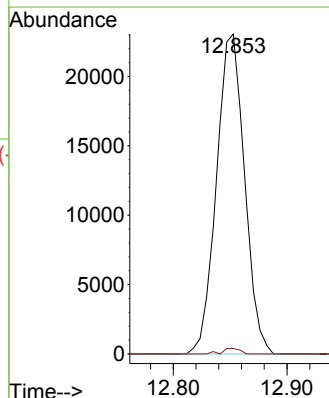
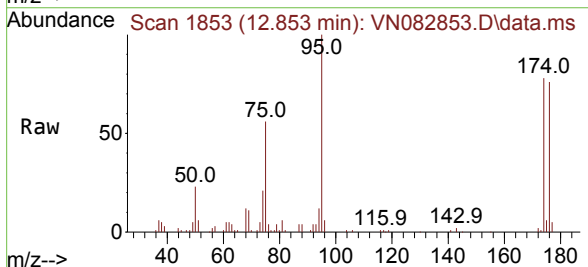
Instrument :
 MSVOA_N
 ClientSampleId :

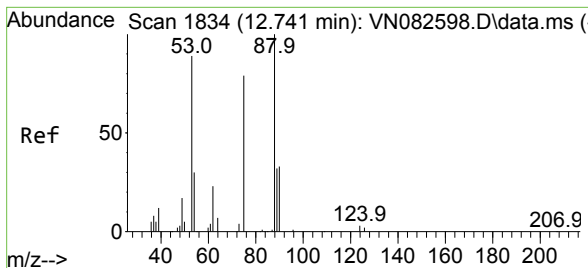
Tgt Ion:152 Resp: 74146
 Ion Ratio Lower Upper
 152 100
 115 60.4 30.6 91.6
 150 158.6 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 30.953 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082853.D
 Acq: 10 Jul 2024 14:24

Tgt Ion: 75 Resp: 39568
 Ion Ratio Lower Upper
 75 100
 77 1.1 110.9 332.6#

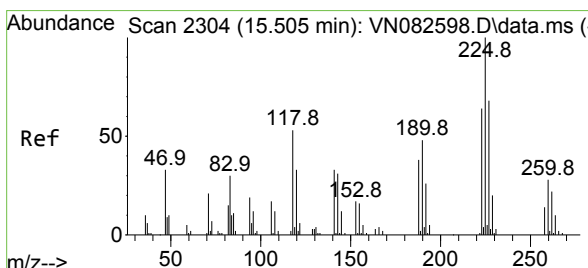
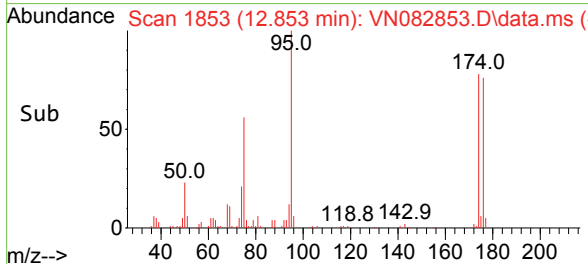
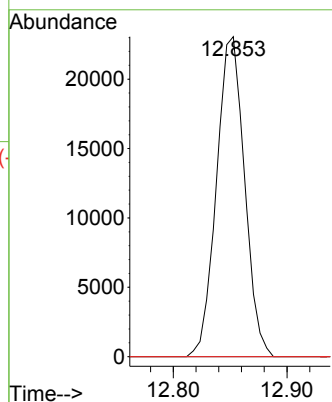
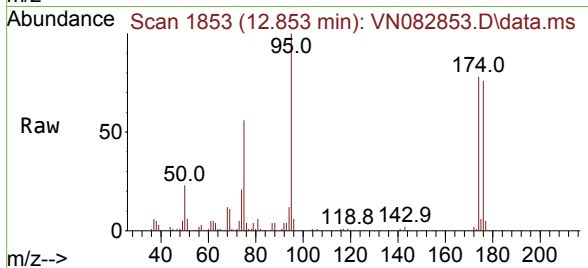




#81
trans-1,4-Dichloro-2-butene
Concen: 60.876 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

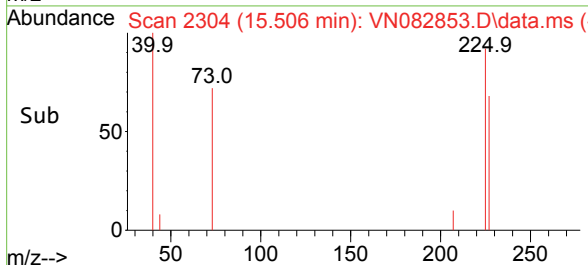
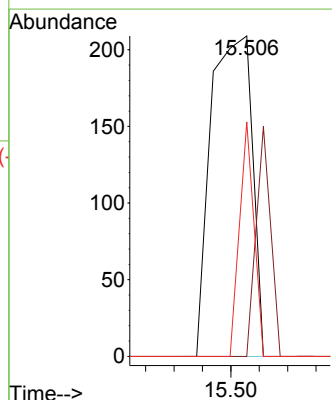
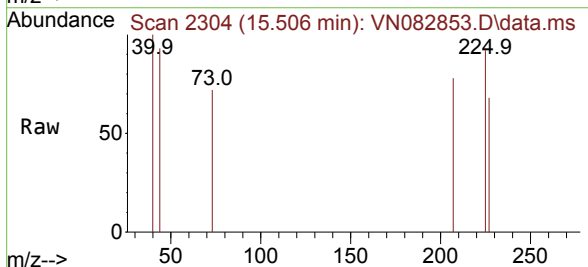
Instrument :
MSVOA_N
ClientSampleId :

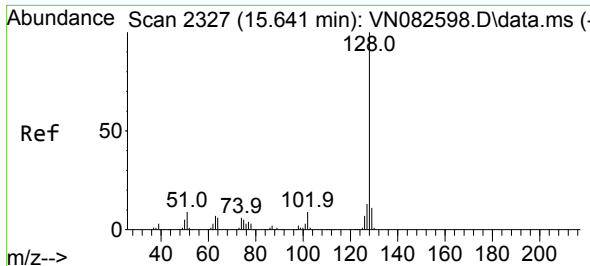
Tgt Ion: 75 Resp: 39568
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#94
Hexachlorobutadiene
Concen: 0.361 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.001 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Tgt Ion: 225 Resp: 210
Ion Ratio Lower Upper
225 100
223 25.2 31.9 95.7#
227 25.7 32.5 97.5#

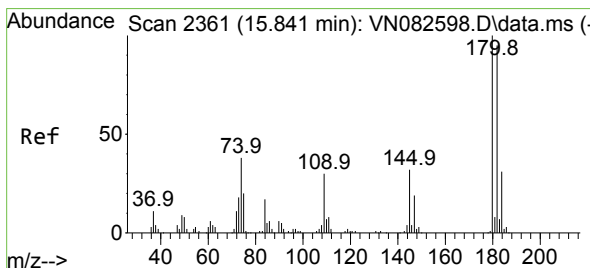
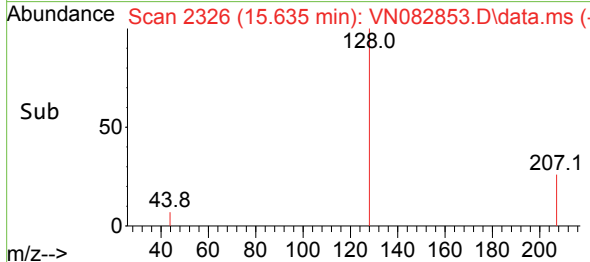
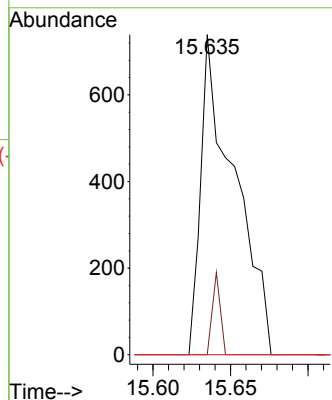
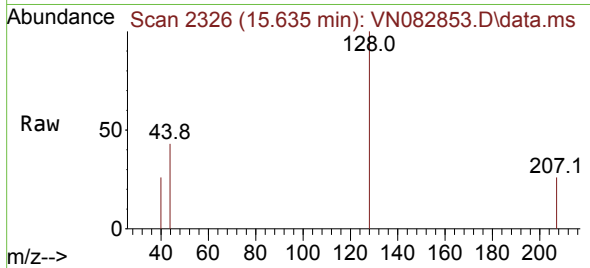




#95
Naphthalene
Concen: 0.247 ug/l
RT: 15.635 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1111
Ion Ratio Lower Upper
128 100
127 6.0 10.6 16.0#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.252 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN082853.D
Acq: 10 Jul 2024 14:24

Tgt Ion:180 Resp: 340
Ion Ratio Lower Upper
180 100
182 118.2 48.9 146.8
145 0.0 16.8 50.4#

