

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070124\
 Data File : VN082773.D
 Acq On : 01 Jul 2024 18:18
 Operator : JC\MD
 Sample : PB161815ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 00:12:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

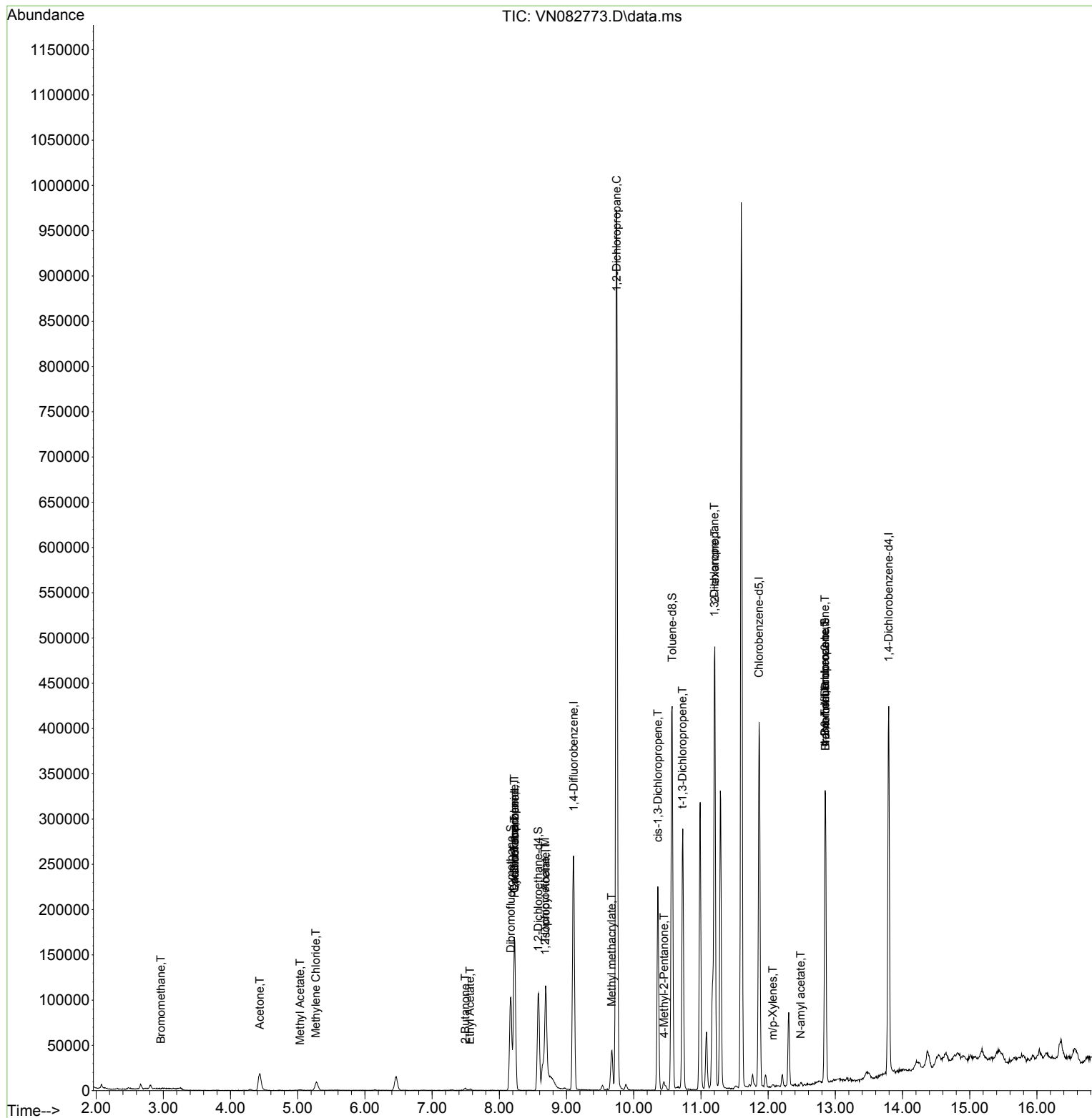
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

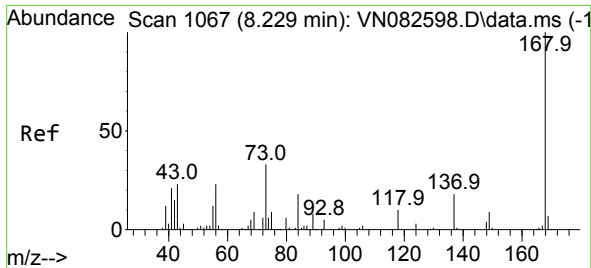
Internal Standards						
1) Pentafluorobenzene	8.230	168	119148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	228482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	91164	49.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.220%		
35) Dibromofluoromethane	8.171	113	75659	50.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.580%		
50) Toluene-d8	10.571	98	293660	52.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.400%		
62) 4-Bromofluorobenzene	12.847	95	111738	57.835	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	115.680%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	298	0.208	ug/l	92
16) Acetone	4.436	43	37482	53.841	ug/l	98
18) Methyl Acetate	5.036	43	1609	0.869	ug/l #	56
20) Methylene Chloride	5.271	84	7589	4.308	ug/l #	75
25) 2-Butanone	7.494	43	4347	4.087	ug/l	95
31) Cyclohexane	8.224	56	3080	1.190	ug/l #	13
36) 1,1-Dichloropropene	8.224	75	9992	4.621	ug/l #	53
37) Ethyl Acetate	7.565	43	2633	1.127	ug/l #	85
38) Carbon Tetrachloride	8.224	117	12466	4.929	ug/l #	18
42) 1,2-Dichloroethane	8.683	62	730	0.287	ug/l #	78
43) Isopropyl Acetate	8.688	43	167374	41.166	ug/l #	85
45) 1,2-Dichloropropane	9.747	63	1198	0.697	ug/l #	44
48) Methyl methacrylate	9.671	41	2932	1.630	ug/l #	53
51) 4-Methyl-2-Pentanone	10.453	43	10356	4.333	ug/l #	75
53) t-1,3-Dichloropropene	10.724	75	660	0.273	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	40258	15.823	ug/l #	56
57) 1,3-Dichloropropane	11.200	76	5241	1.846	ug/l #	43
59) 2-Hexanone	11.206	43	66181	37.341	ug/l #	57
68) m/p-Xylenes	12.071	106	960	0.304	ug/l	80
71) Bromoform	12.853	173	847	0.606	ug/l #	1
74) N-amyl acetate	12.482	43	1192	0.344	ug/l #	59
76) 1,2,3-Trichloropropane	12.847	75	61223	26.332	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61223	68.672	ug/l #	6

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

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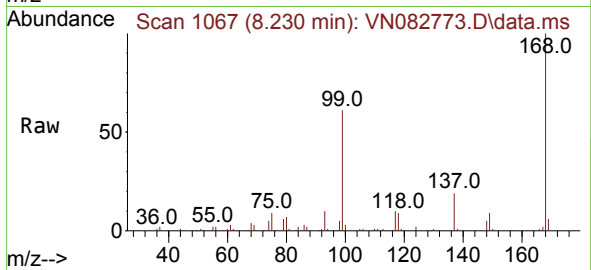
Instrument :
MSVOA_N
ClientSampleId :



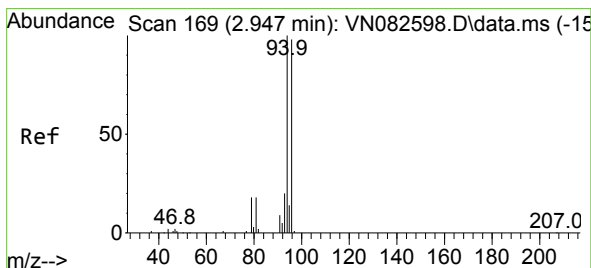
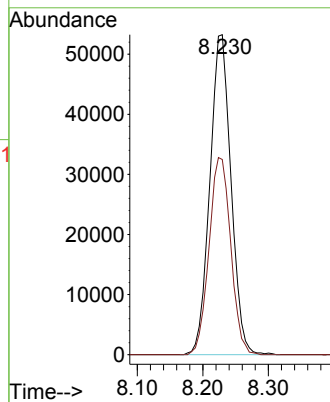
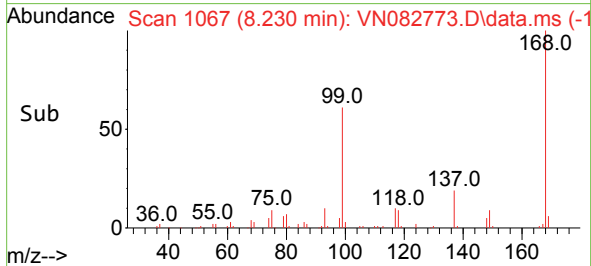


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

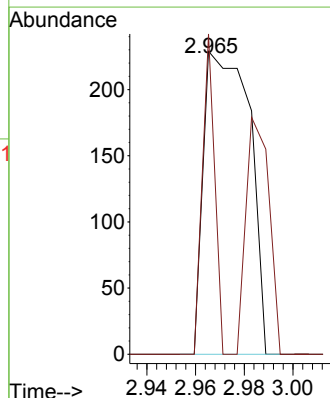
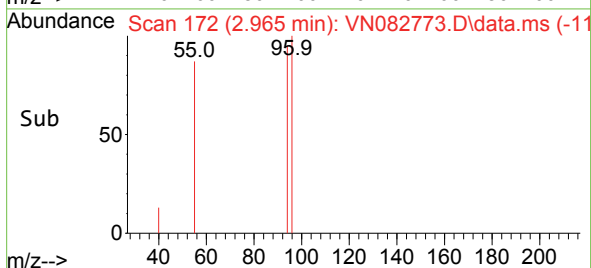
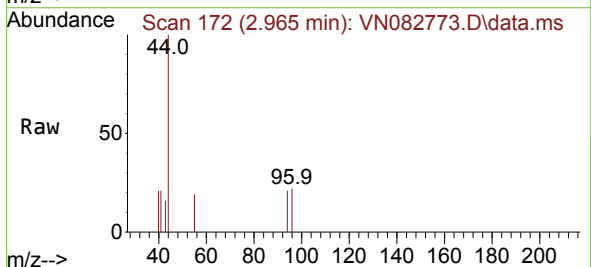


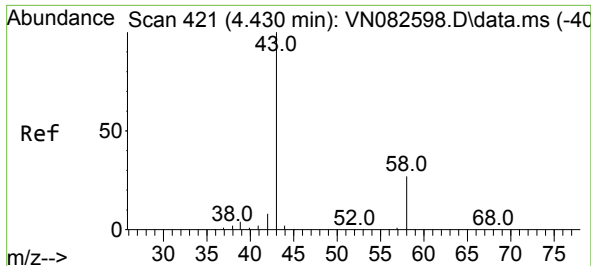
Tgt Ion:168 Resp: 119148
Ion Ratio Lower Upper
168 100
99 61.0 48.2 72.4



#5
Bromomethane
Concen: 0.208 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Tgt Ion: 94 Resp: 298
Ion Ratio Lower Upper
94 100
96 105.7 78.0 117.0

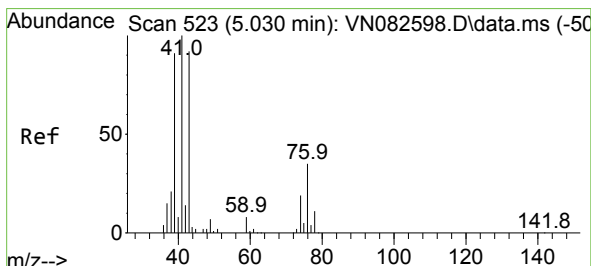
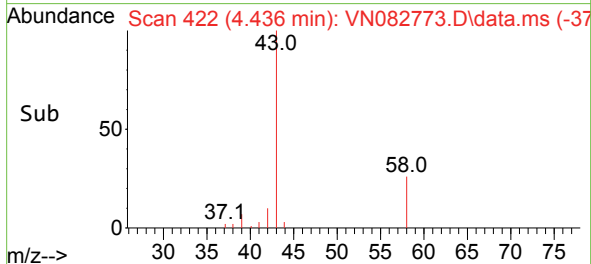
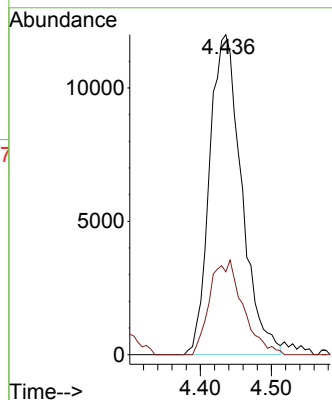
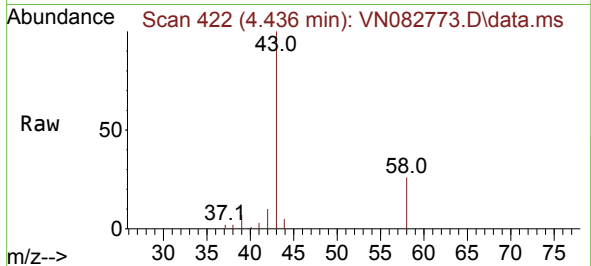




#16
Acetone
Concen: 53.841 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

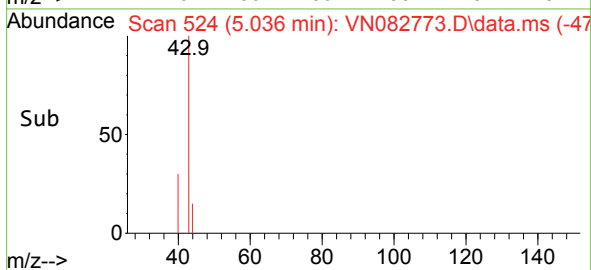
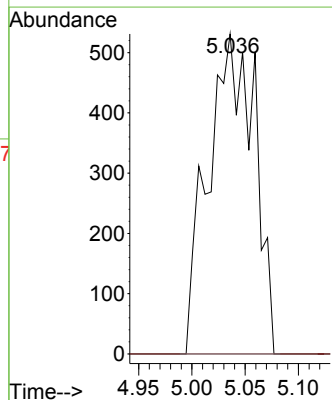
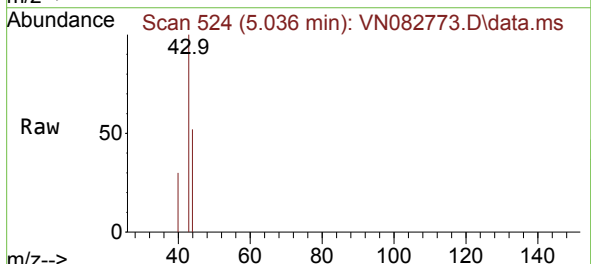
Instrument :
MSVOA_N
ClientSampleId :

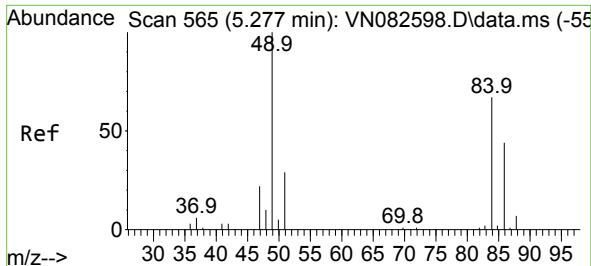
Tgt Ion: 43 Resp: 37482
Ion Ratio Lower Upper
43 100
58 25.9 21.8 32.6



#18
Methyl Acetate
Concen: 0.869 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

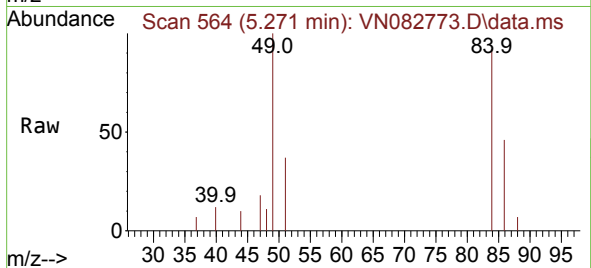
Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



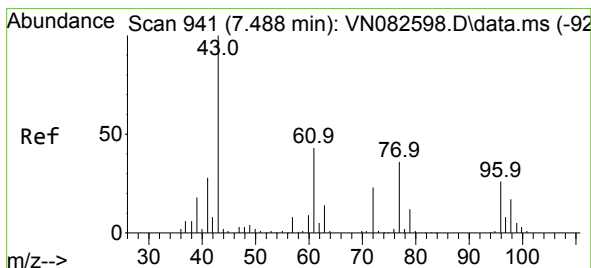
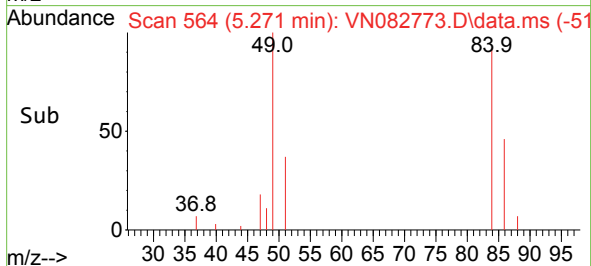
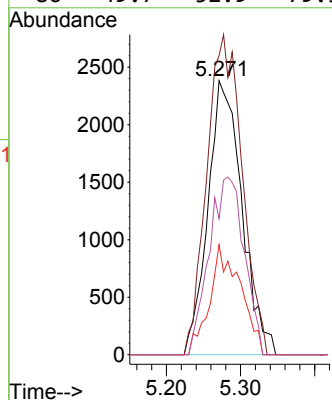


#20
Methylene Chloride
Concen: 4.308 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

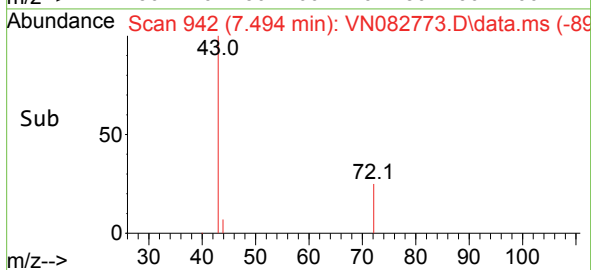
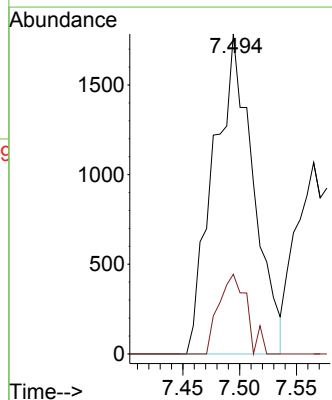
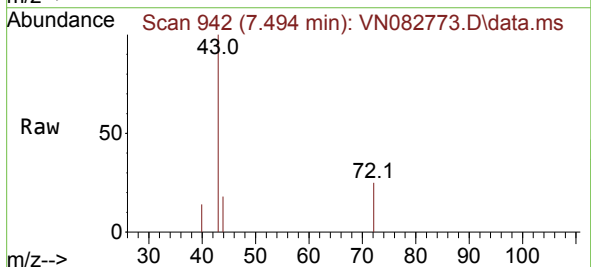


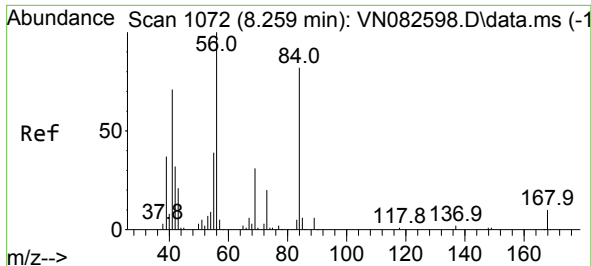
Tgt Ion:	84	Resp:	7589
Ion	Ratio	Lower	Upper
84	100		
49	109.1	119.6	179.4#
51	40.1	34.8	52.2
86	49.7	52.9	79.3#



#25
2-Butanone
Concen: 4.087 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

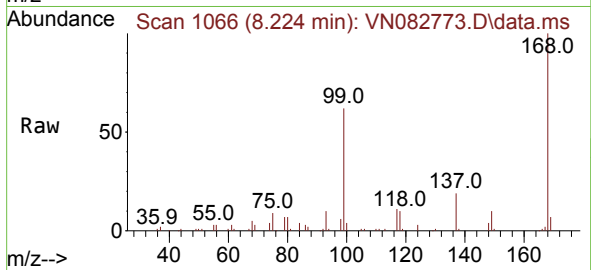
Tgt Ion:	43	Resp:	4347
Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.2	27.2



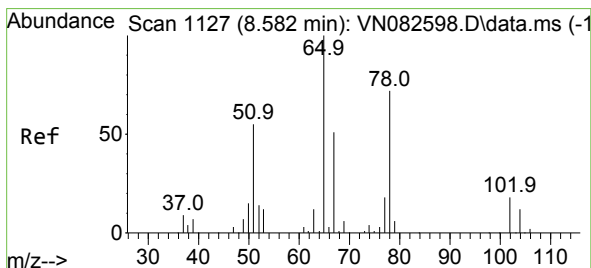
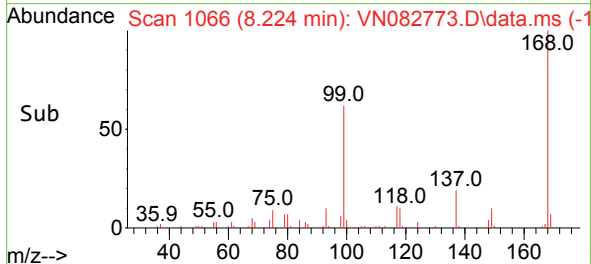
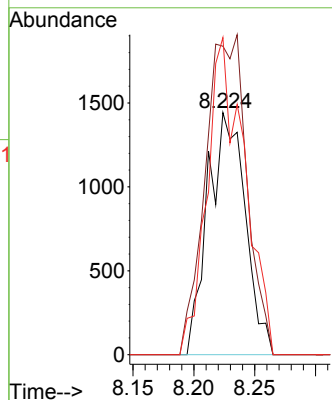


#31
Cyclohexane
Concen: 1.190 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

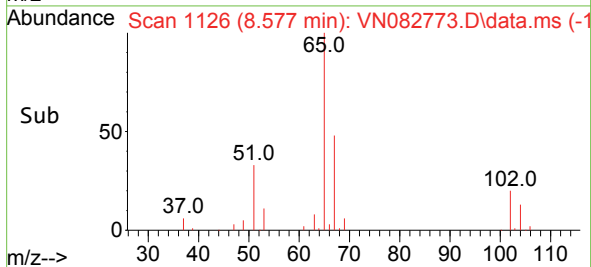
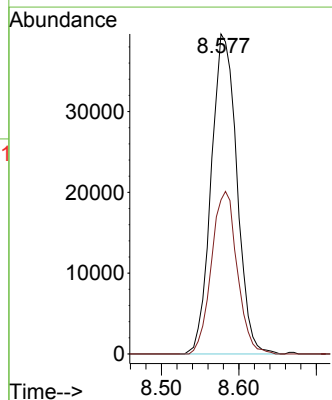
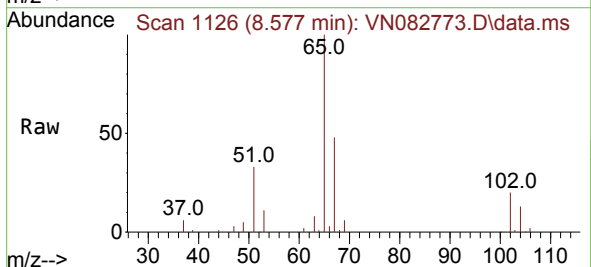


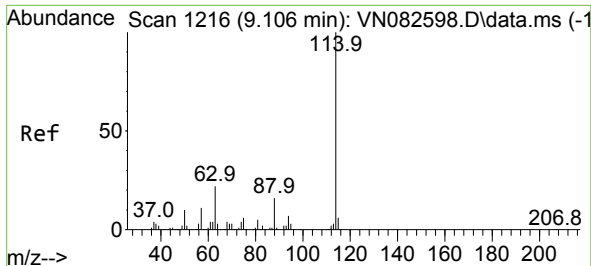
Tgt Ion: 56 Resp: 3080
Ion Ratio Lower Upper
56 100
69 127.4 24.5 36.7#
84 131.0 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 49.615 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Tgt Ion: 65 Resp: 91164
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

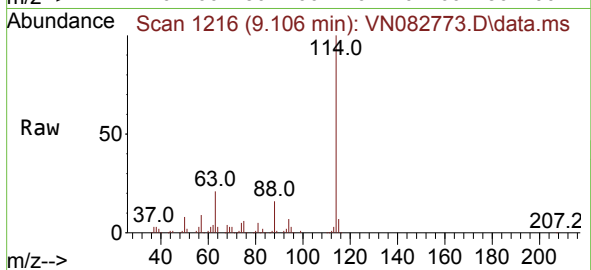
Lab File: VN082773.D

Acq: 01 Jul 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :



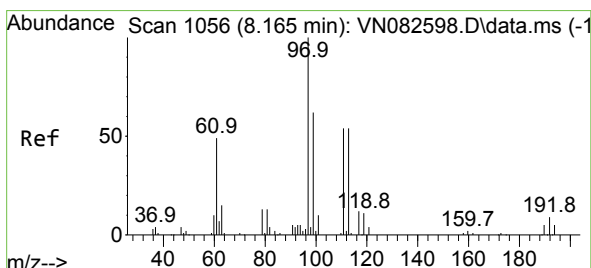
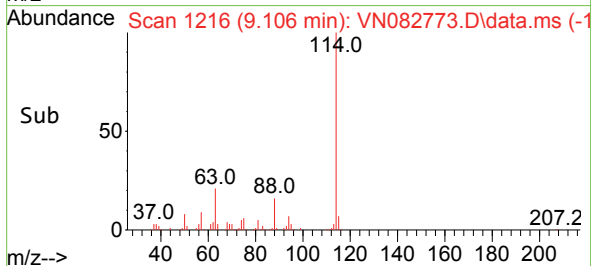
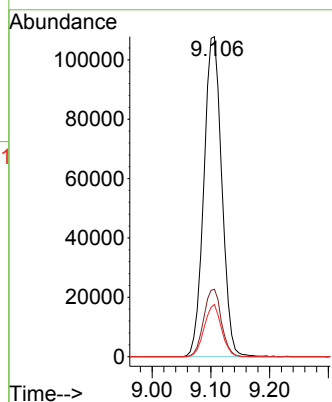
Tgt Ion:114 Resp: 228482

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.6

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.295 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082773.D

Acq: 01 Jul 2024 18:18

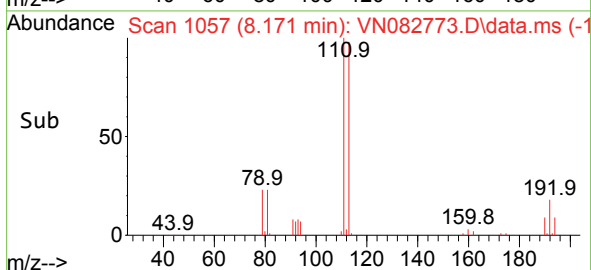
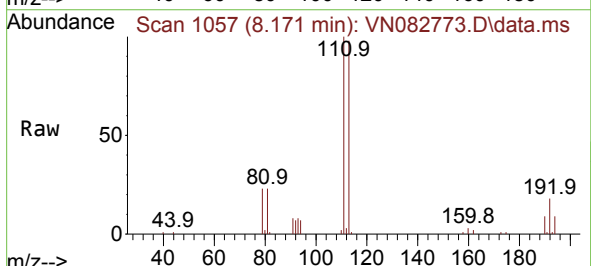
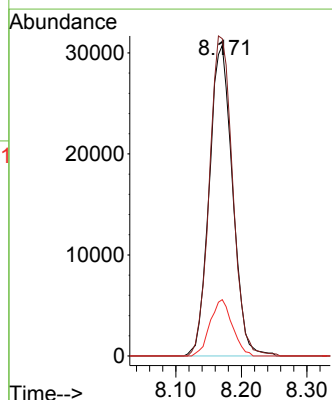
Tgt Ion:113 Resp: 75659

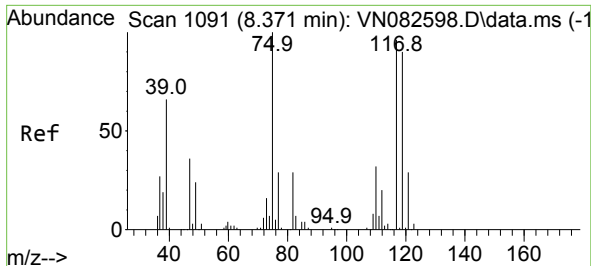
Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

192 17.4 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.621 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

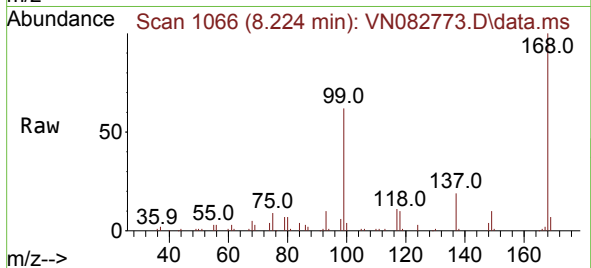
Lab File: VN082773.D

Acq: 01 Jul 2024 18:18

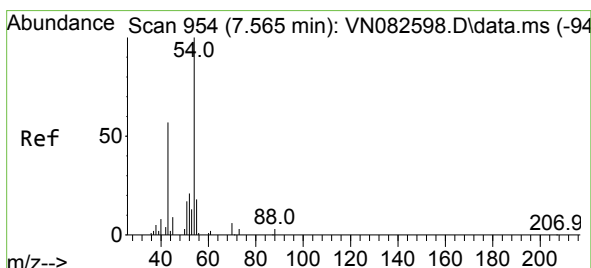
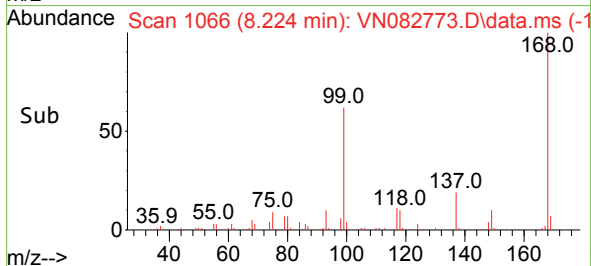
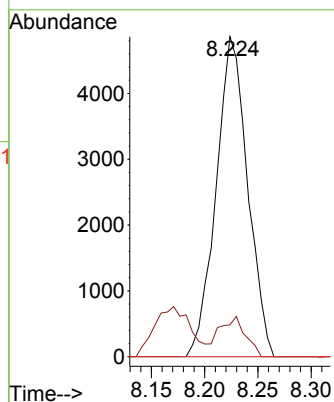
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	9992
Ion	Ratio	Lower	Upper
75	100		
110	10.6	16.3	48.9#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 1.127 ug/l

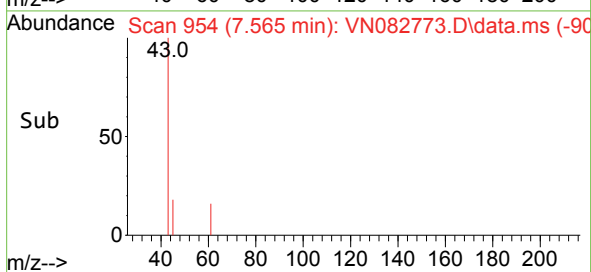
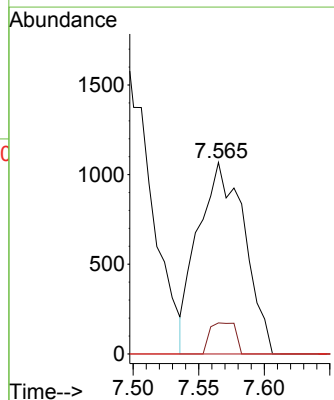
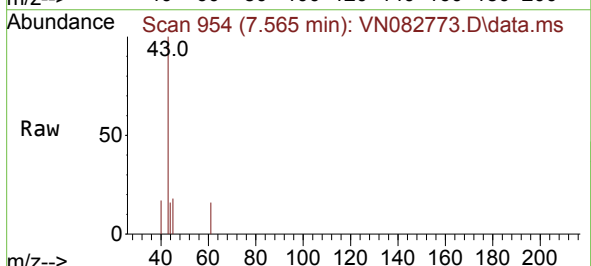
RT: 7.565 min Scan# 954

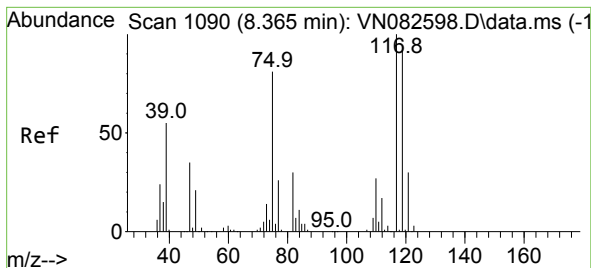
Delta R.T. 0.000 min

Lab File: VN082773.D

Acq: 01 Jul 2024 18:18

Tgt Ion:	43	Resp:	2633
Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.3	13.9#
70	0.0	7.0	10.6#





#38

Carbon Tetrachloride

Concen: 4.929 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

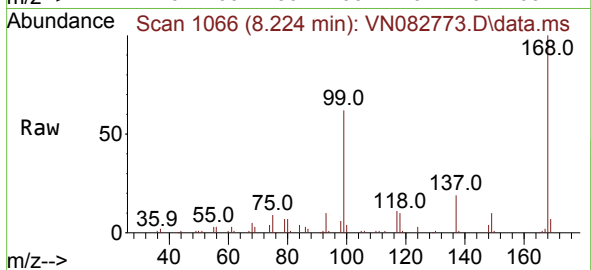
Lab File: VN082773.D

Acq: 01 Jul 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :



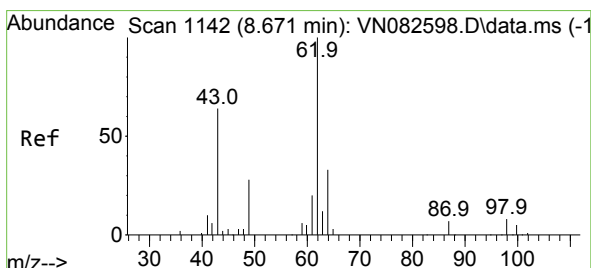
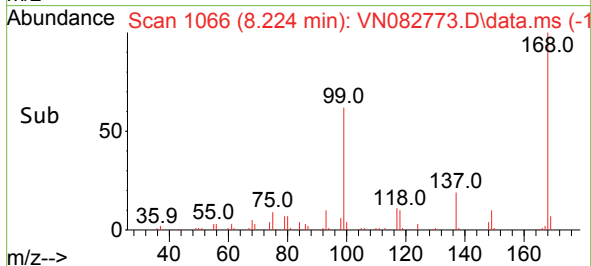
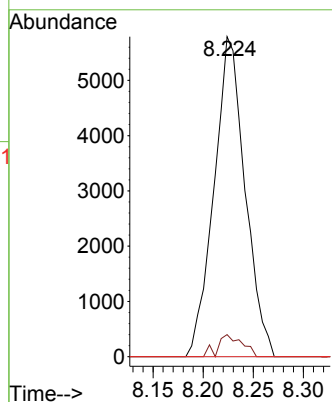
Tgt Ion:117 Resp: 12466

Ion Ratio Lower Upper

117 100

119 6.9 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.287 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082773.D

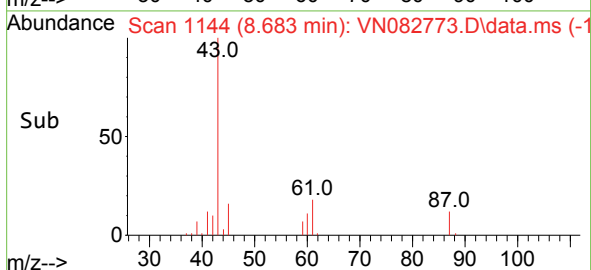
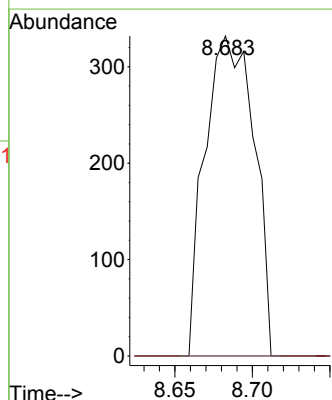
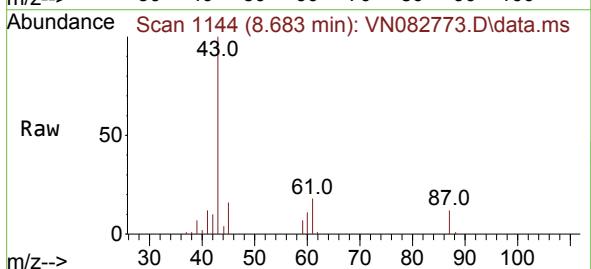
Acq: 01 Jul 2024 18:18

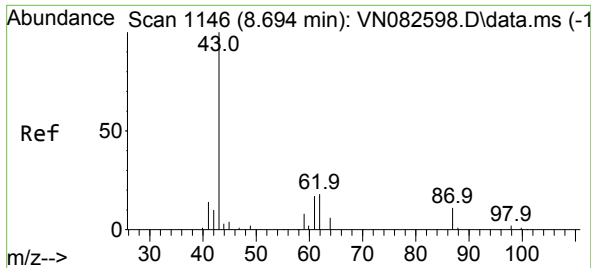
Tgt Ion: 62 Resp: 730

Ion Ratio Lower Upper

62 100

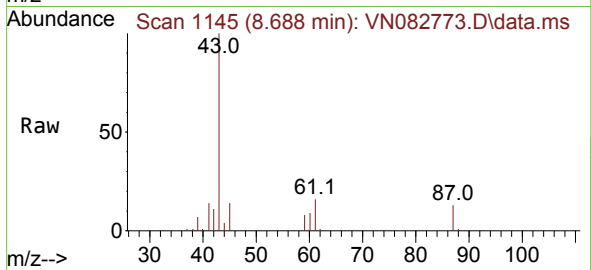
98 0.0 0.0 15.8



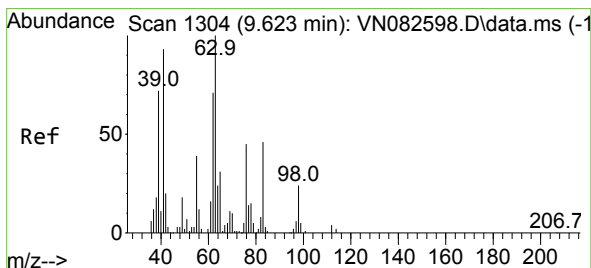
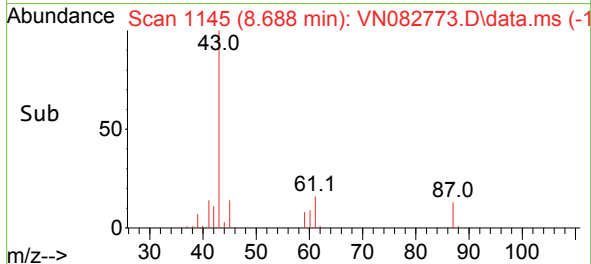
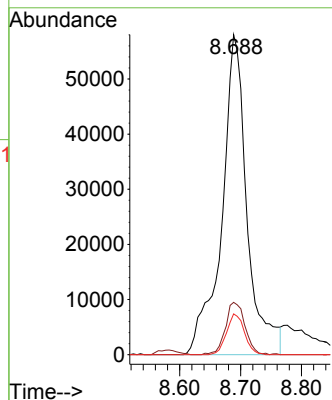


#43
Isopropyl Acetate
Concen: 41.166 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

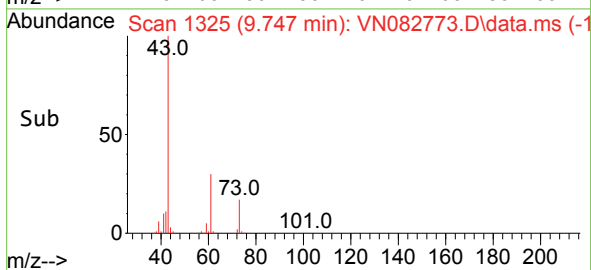
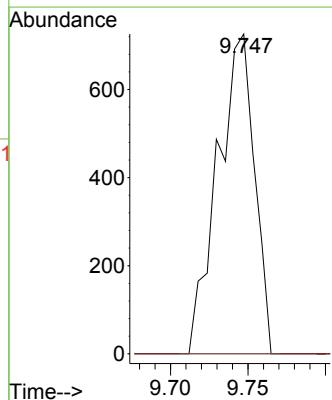
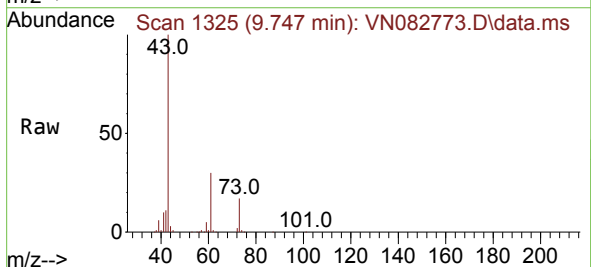


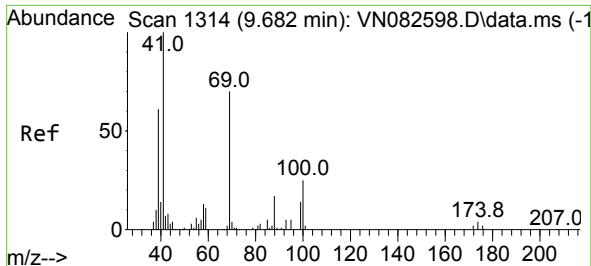
Tgt Ion: 43 Resp: 167374
Ion Ratio Lower Upper
43 100
61 12.7 17.8 26.6#
87 9.0 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.697 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

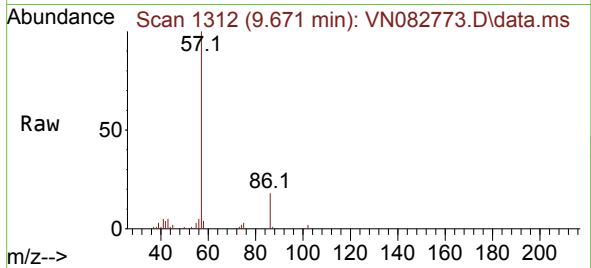
Tgt Ion: 63 Resp: 1198
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



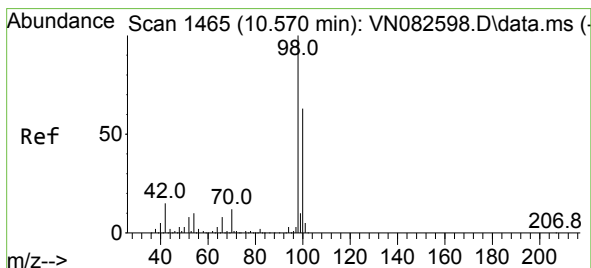
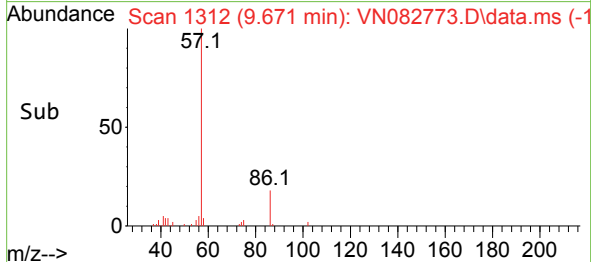
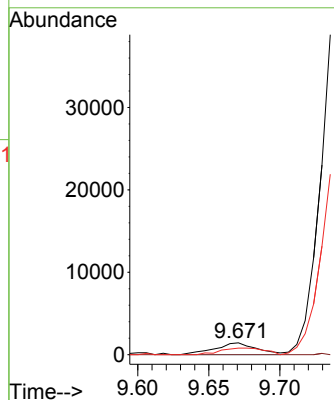


#48
Methyl methacrylate
Concen: 1.630 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

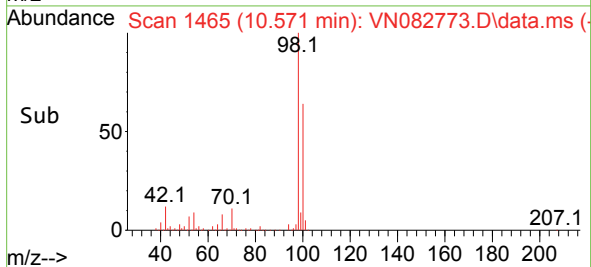
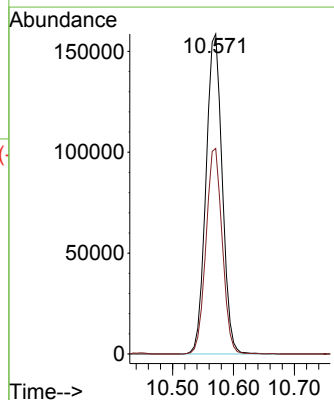
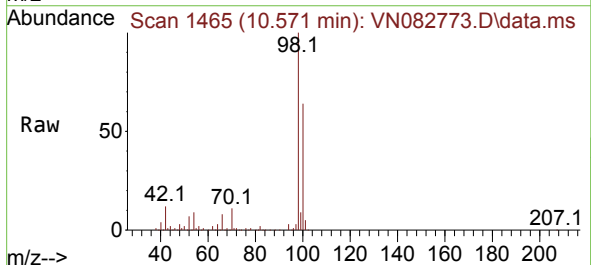


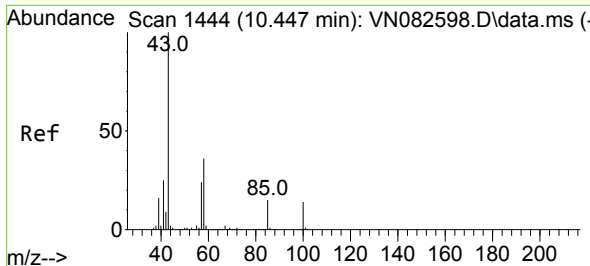
Tgt Ion: 41 Resp: 2932
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 59.4 50.3 75.5



#50
Toluene-d8
Concen: 52.199 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

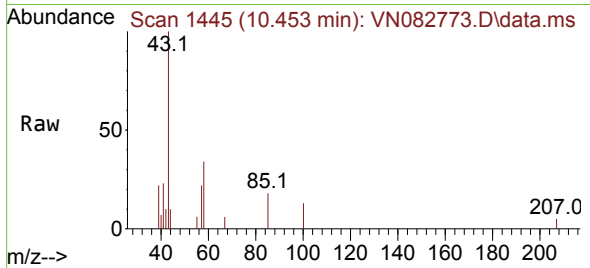
Tgt Ion: 98 Resp: 293660
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



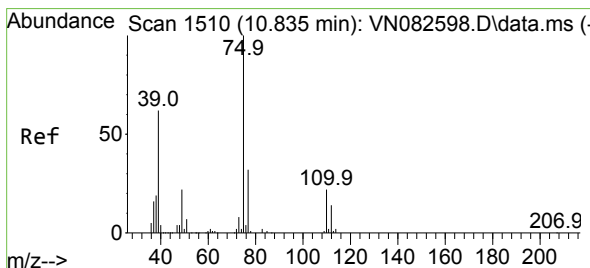
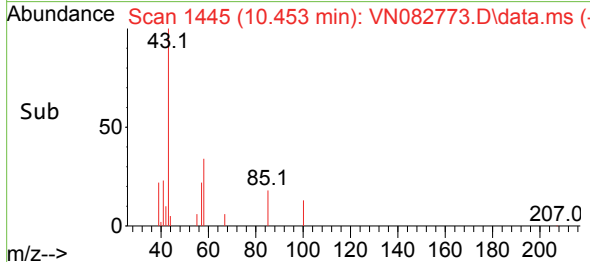
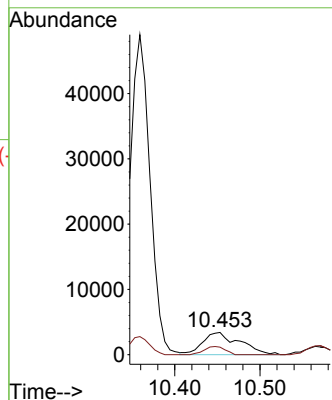


#51
4-Methyl-2-Pentanone
Concen: 4.333 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

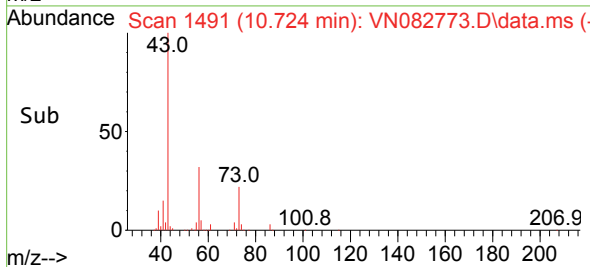
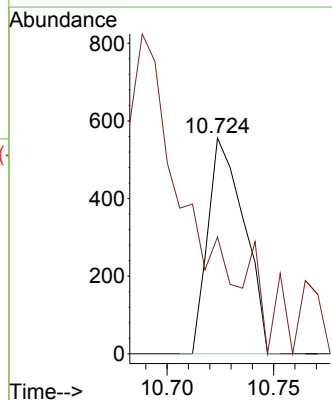
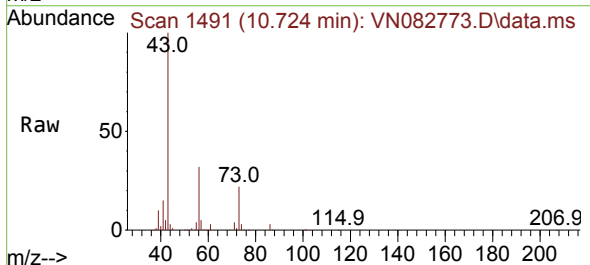


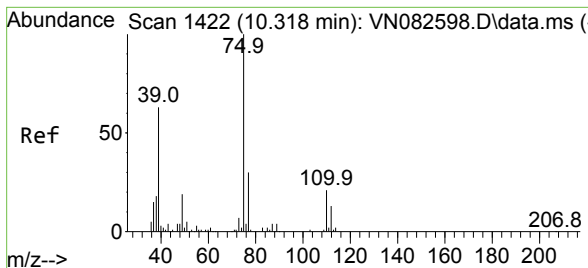
Tgt Ion: 43 Resp: 10356
Ion Ratio Lower Upper
43 100
58 20.7 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.273 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.111 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

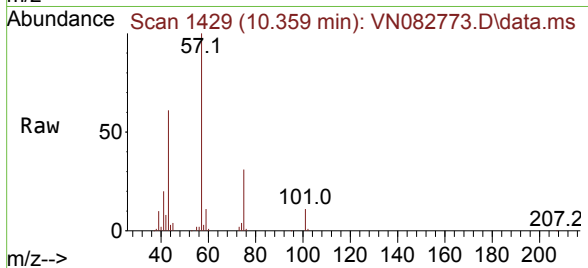
Tgt Ion: 75 Resp: 660
Ion Ratio Lower Upper
75 100
77 16.9 25.7 38.5#



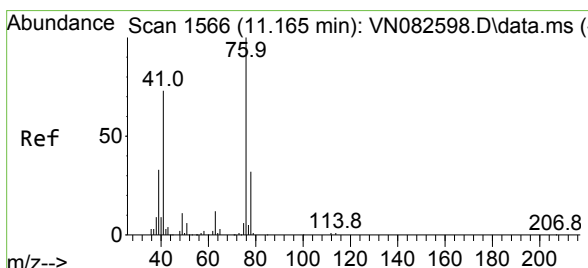
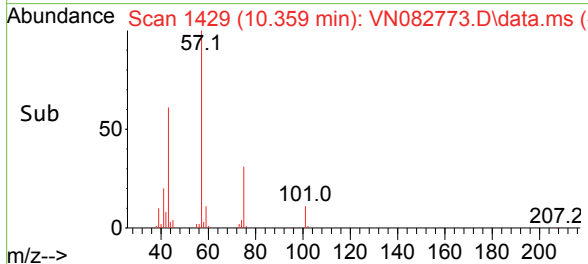
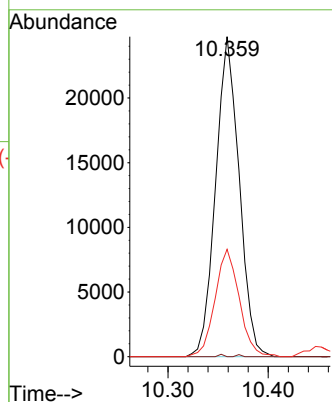


#54
cis-1,3-Dichloropropene
Concen: 15.823 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

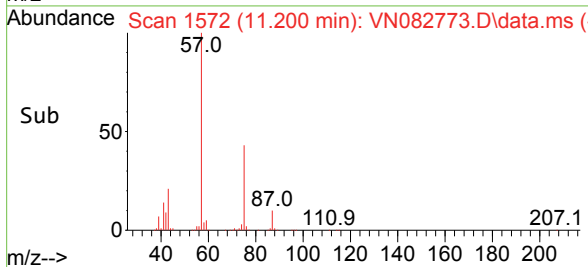
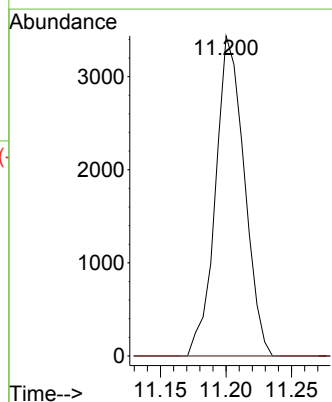
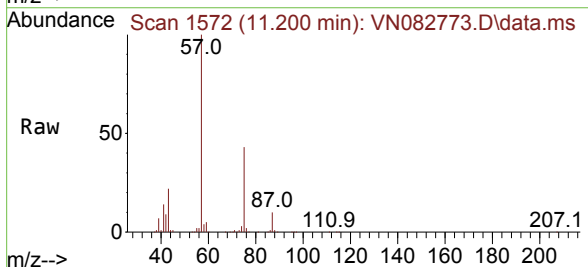


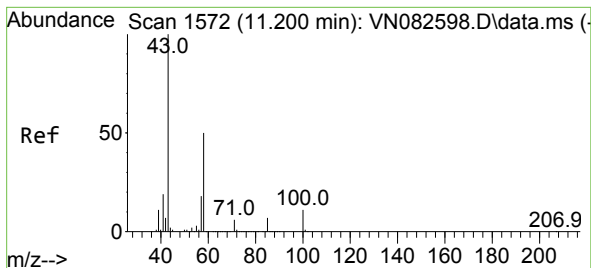
Tgt Ion: 75 Resp: 40258
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 33.5 50.5 75.7#



#57
1,3-Dichloropropane
Concen: 1.846 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

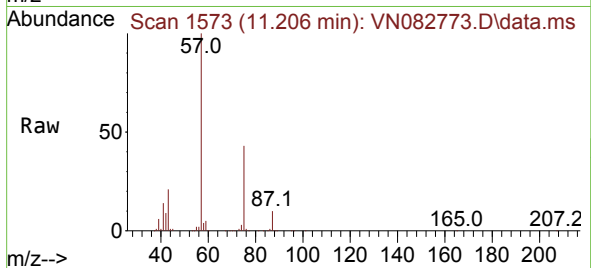
Tgt Ion: 76 Resp: 5241
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



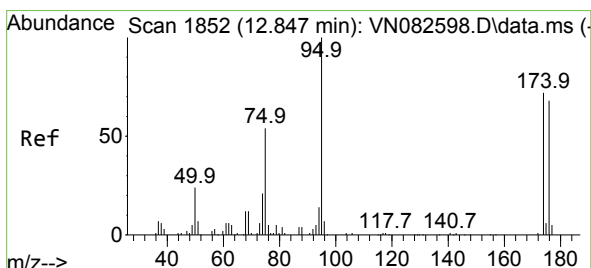
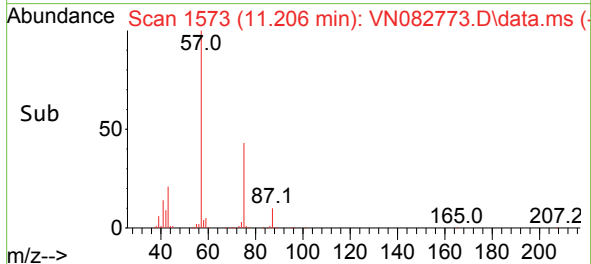
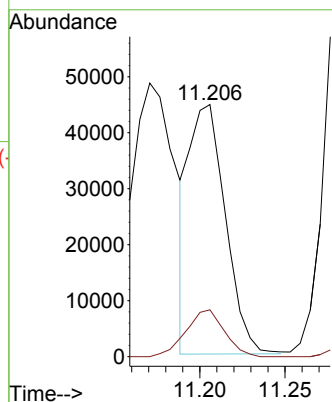


#59
2-Hexanone
Concen: 37.341 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

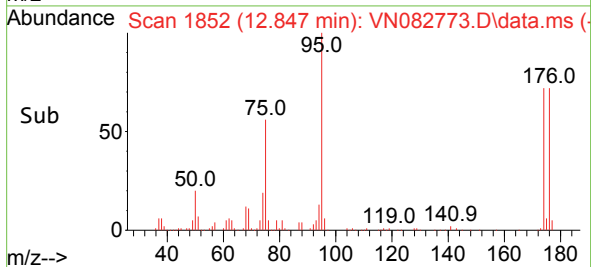
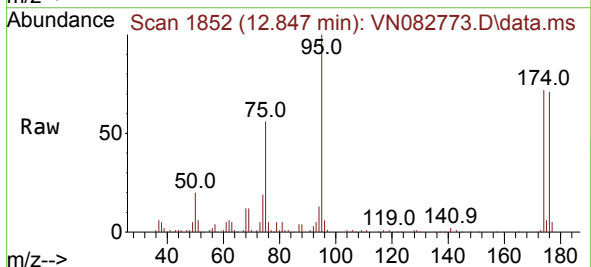
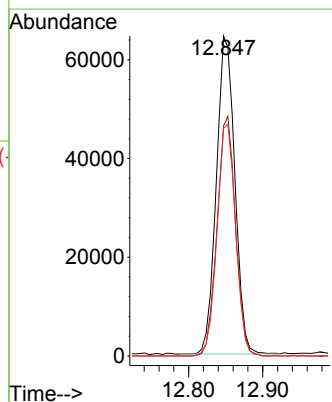


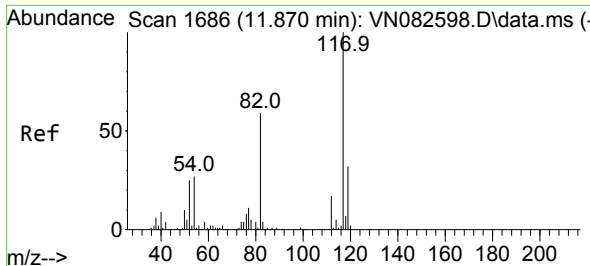
Tgt Ion: 43 Resp: 66181
Ion Ratio Lower Upper
43 100
58 19.9 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 57.835 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

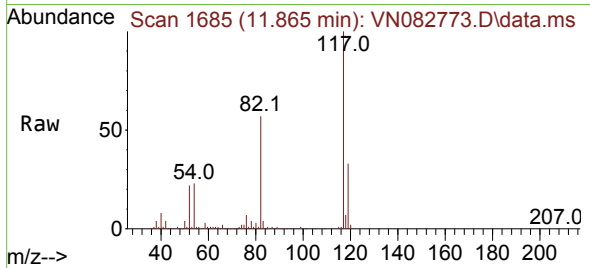
Tgt Ion: 95 Resp: 111738
Ion Ratio Lower Upper
95 100
174 75.1 0.0 159.2
176 72.7 0.0 147.6



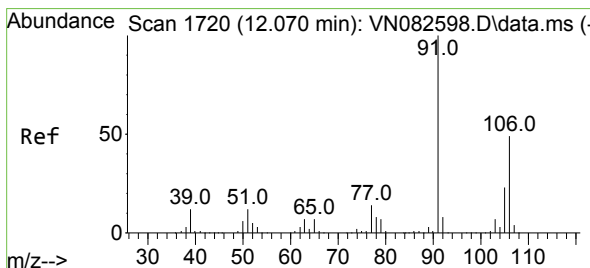
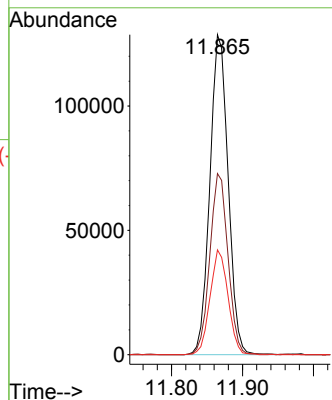
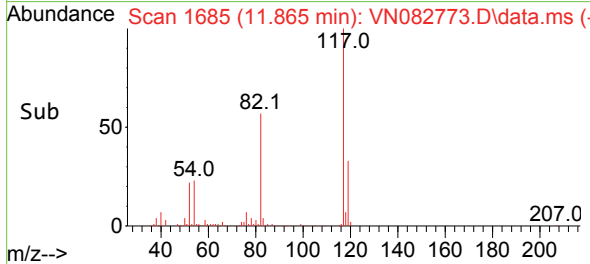


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.005 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :

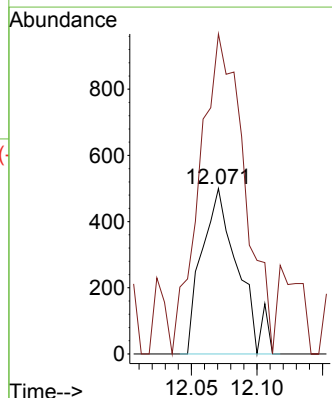
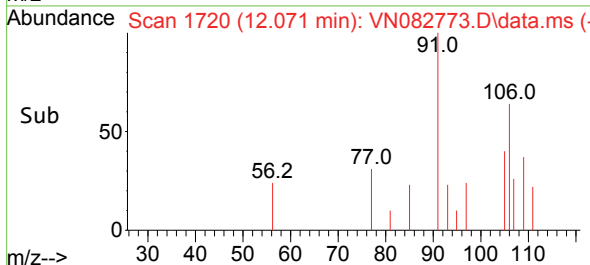
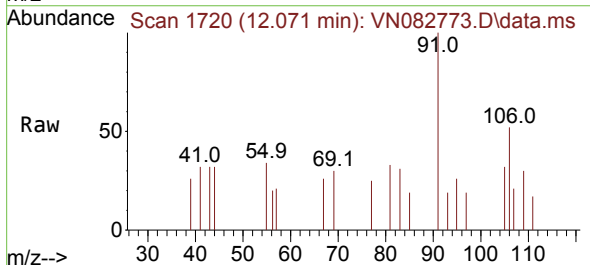


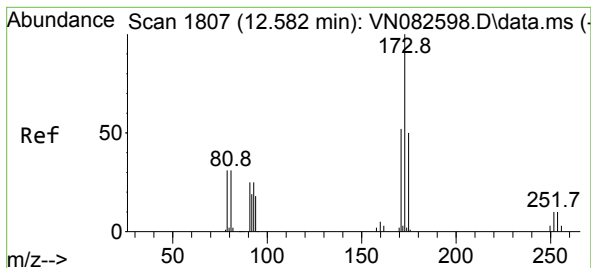
Tgt Ion:117 Resp: 229439
Ion Ratio Lower Upper
117 100
82 56.6 47.5 71.3
119 32.8 25.6 38.4



#68
m/p-Xylenes
Concen: 0.304 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.001 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Tgt Ion:106 Resp: 960
Ion Ratio Lower Upper
106 100
91 238.6 166.1 249.1





#71

Bromoform

Concen: 0.606 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

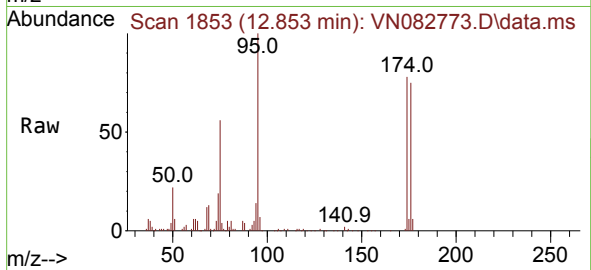
Lab File: VN082773.D

Acq: 01 Jul 2024 18:18

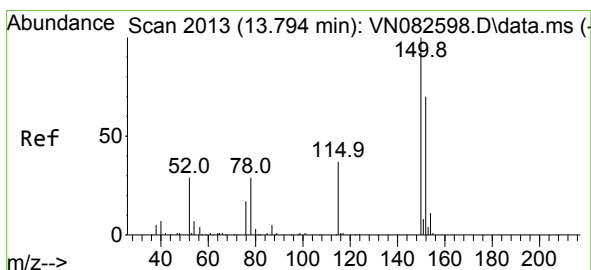
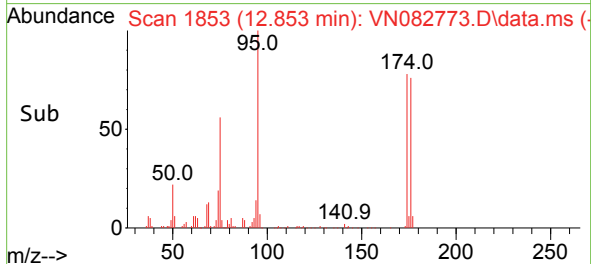
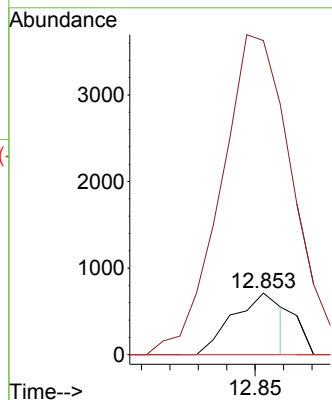
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	847
Ion Ratio	Lower	Upper	
173	100		
175	637.7	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

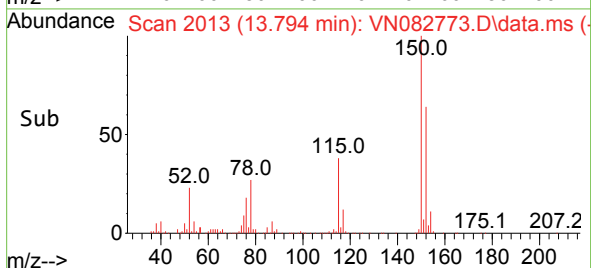
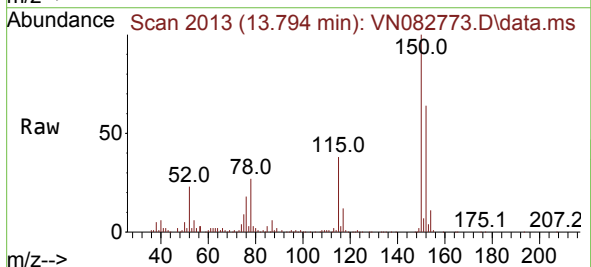
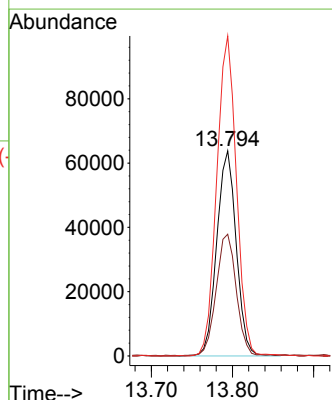
RT: 13.794 min Scan# 2013

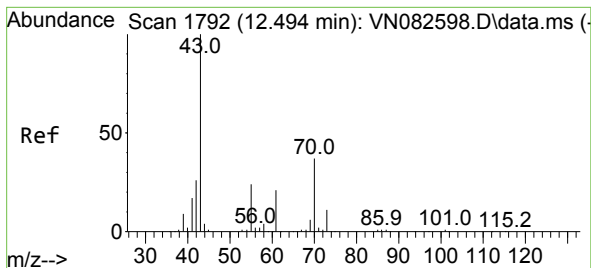
Delta R.T. 0.000 min

Lab File: VN082773.D

Acq: 01 Jul 2024 18:18

Tgt Ion:	152	Resp:	106592
Ion Ratio	Lower	Upper	
152	100		
115	61.7	30.6	91.6
150	157.4	0.0	348.6





#74

N-amy1 acetate

Concen: 0.344 ug/l

RT: 12.482 min Scan# 1192

Delta R.T. -0.012 min

Lab File: VN082773.D

Acq: 01 Jul 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 1192

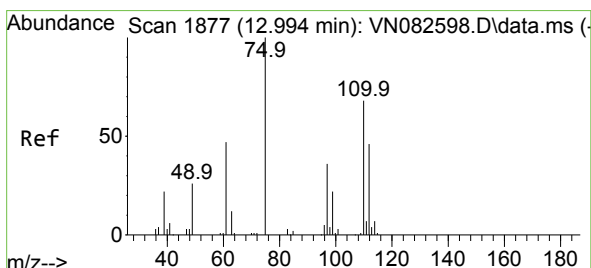
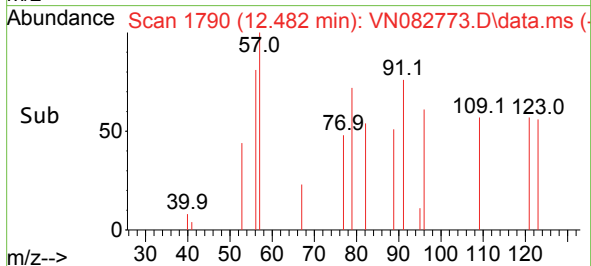
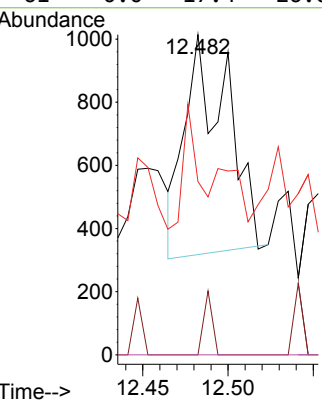
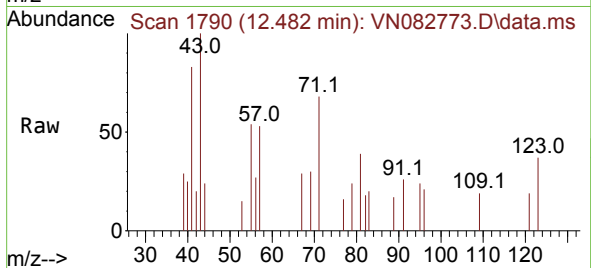
Ion Ratio Lower Upper

43 100

70 6.0 29.8 44.6#

55 14.6 18.7 28.1#

61 0.0 17.4 26.0#



#76

1,2,3-Trichloropropane

Concen: 26.332 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082773.D

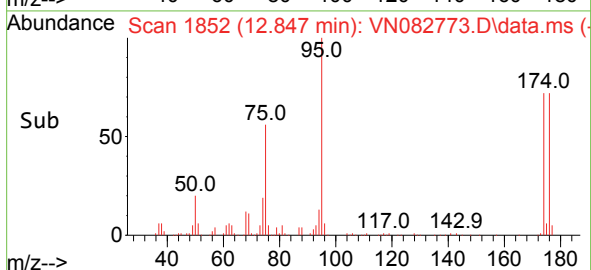
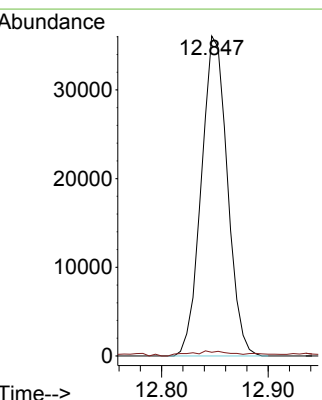
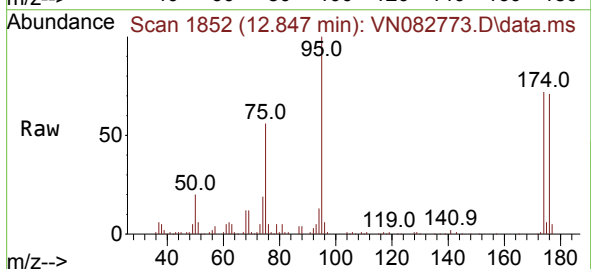
Acq: 01 Jul 2024 18:18

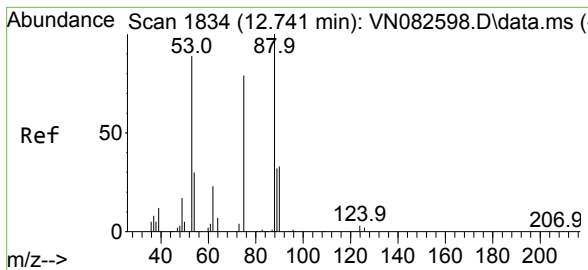
Tgt Ion: 75 Resp: 61223

Ion Ratio Lower Upper

75 100

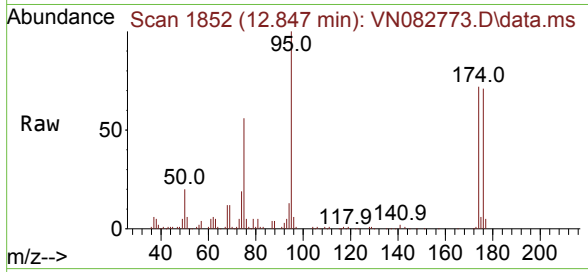
77 2.3 110.9 332.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.672 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN082773.D
Acq: 01 Jul 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	88.4	132.6#
89	0.0	36.3	54.5#

