

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082722.D
 Acq On : 25 Jun 2024 17:00
 Operator : JC\MD
 Sample : P3009-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:25:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

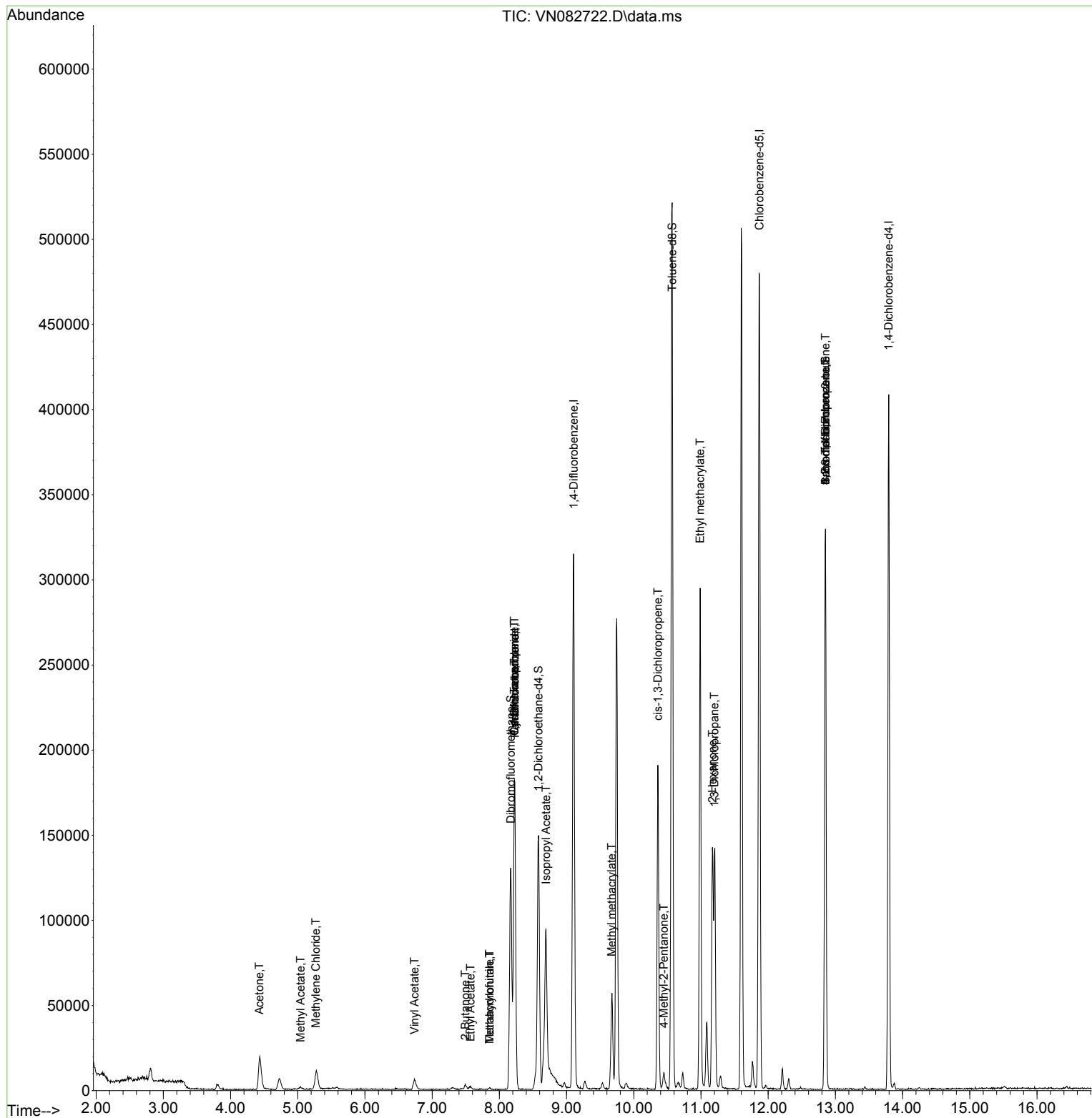
Internal Standards						
1) Pentafluorobenzene	8.229	168	129553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	246540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	260329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	122098	58.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.540%			
35) Dibromofluoromethane	8.171	113	92368	55.227	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.460%			
50) Toluene-d8	10.570	98	340366	53.814	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.620%			
62) 4-Bromofluorobenzene	12.853	95	102505	47.008	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.020%			
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	38097	40.321	ug/l	91
18) Methyl Acetate	5.041	43	3091	1.338	ug/l #	66
20) Methylene Chloride	5.271	84	7861	4.732	ug/l #	82
23) Vinyl Acetate	6.735	43	1393	0.297	ug/l #	75
25) 2-Butanone	7.494	43	4862	3.620	ug/l	99
29) Tetrahydrofuran	7.853	42	616	0.749	ug/l #	48
31) Cyclohexane	8.223	56	3672	1.225	ug/l #	44
36) 1,1-Dichloropropene	8.223	75	11676	4.670	ug/l #	50
37) Ethyl Acetate	7.571	43	3049	0.957	ug/l #	78
38) Carbon Tetrachloride	8.223	117	13908	4.936	ug/l #	17
41) Methacrylonitrile	7.853	41	446	0.274	ug/l #	42
43) Isopropyl Acetate	8.694	43	138787	23.318	ug/l #	81
48) Methyl methacrylate	9.670	41	3766	1.535	ug/l #	51
51) 4-Methyl-2-Pentanone	10.447	43	9322	3.054	ug/l #	81
54) cis-1,3-Dichloropropene	10.359	75	28329	9.325	ug/l #	71
56) Ethyl methacrylate	10.988	69	2034	0.725	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1341	0.428	ug/l #	43
59) 2-Hexanone	11.170	43	133736	57.638	ug/l #	28
71) Bromoform	12.853	173	1436	0.853	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	59986	24.739	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59986	59.187	ug/l #	6

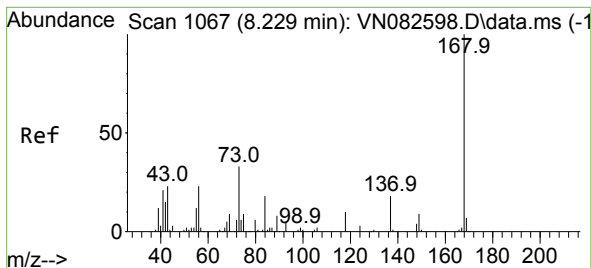
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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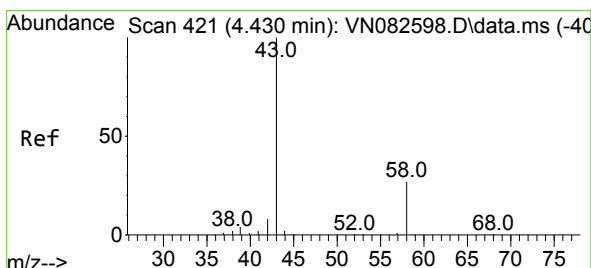
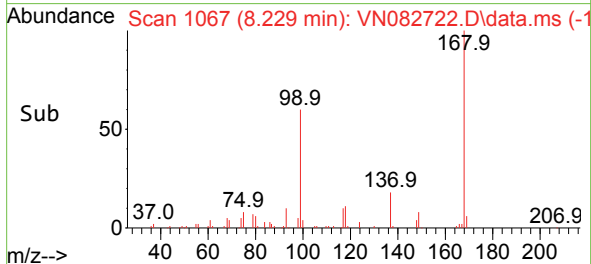
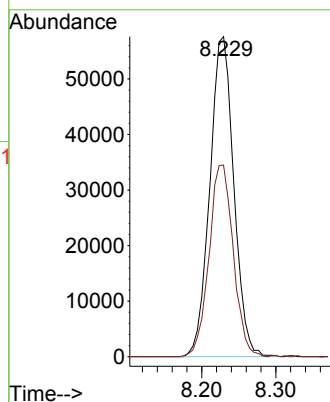
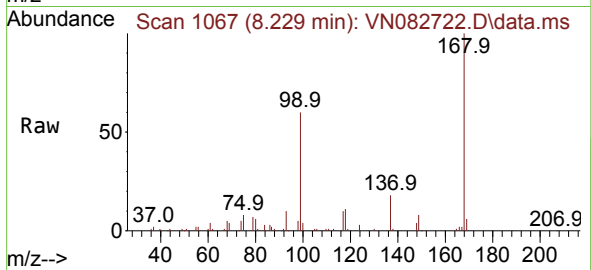




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

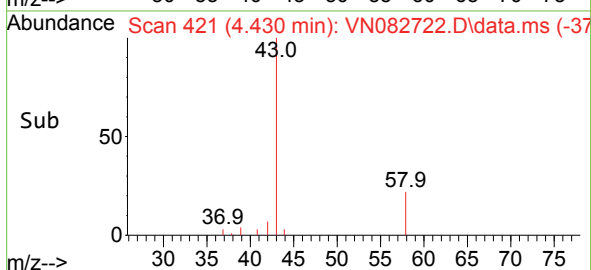
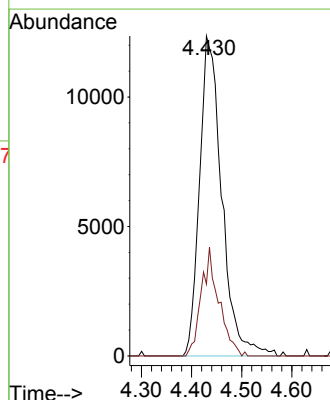
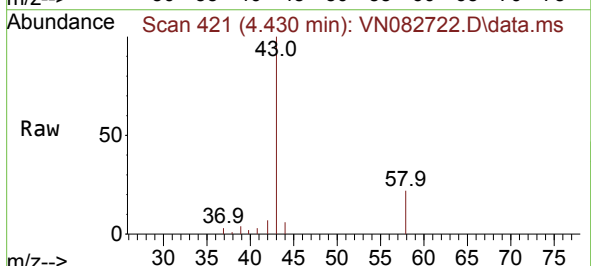
Instrument :
MSVOA_N
ClientSampleId :

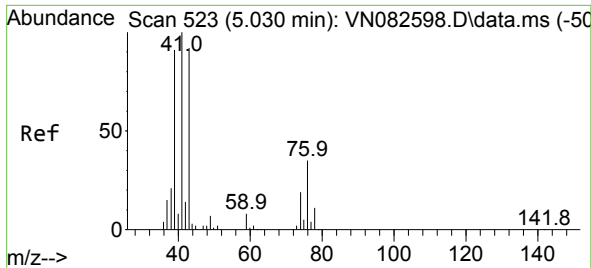
Tgt Ion:168 Resp: 129553
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4



#16
Acetone
Concen: 40.321 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

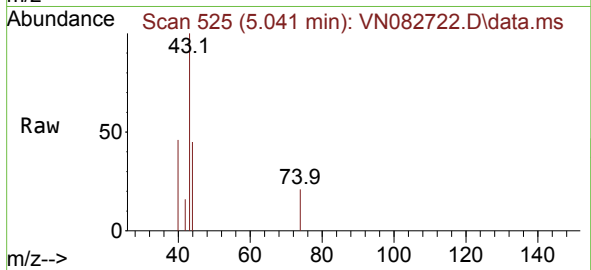
Tgt Ion: 43 Resp: 38097
Ion Ratio Lower Upper
43 100
58 22.4 21.8 32.6



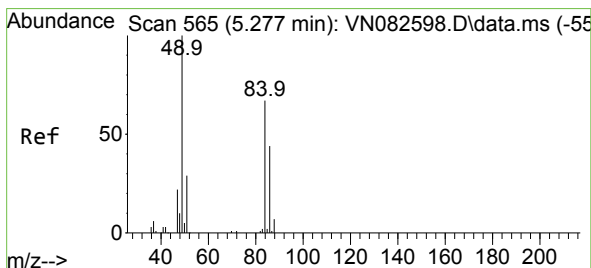
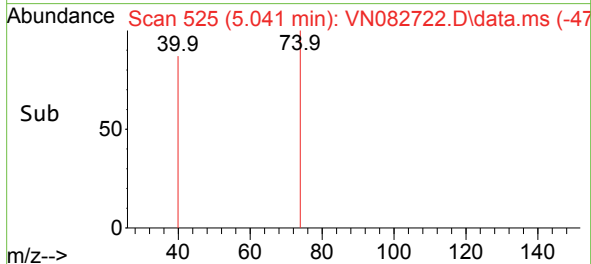
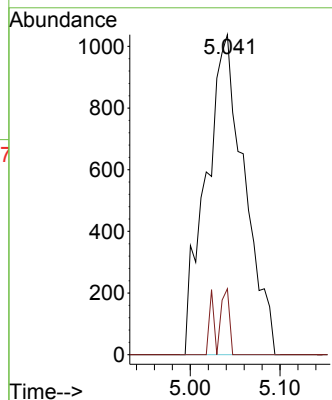


#18
Methyl Acetate
Concen: 1.338 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

Instrument :
MSVOA_N
ClientSampleId :

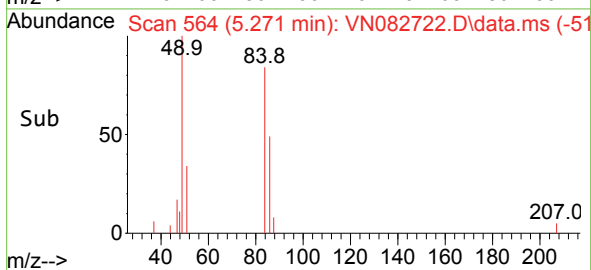
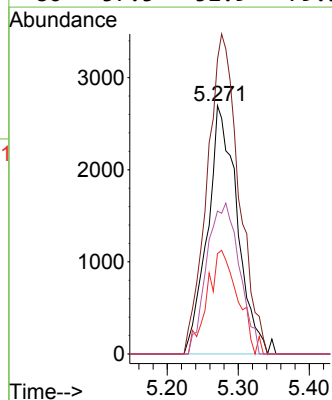
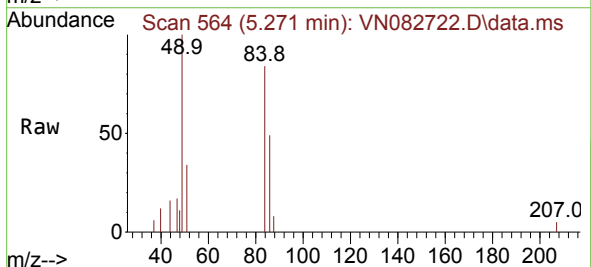


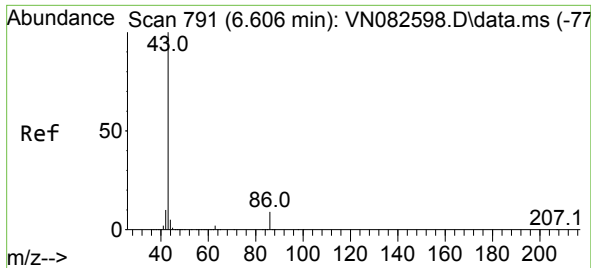
Tgt Ion: 43 Resp: 3091
Ion Ratio Lower Upper
43 100
74 4.5 16.3 24.5#



#20
Methylene Chloride
Concen: 4.732 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

Tgt Ion: 84 Resp: 7861
Ion Ratio Lower Upper
84 100
49 118.5 119.6 179.4#
51 40.4 34.8 52.2
86 57.5 52.9 79.3

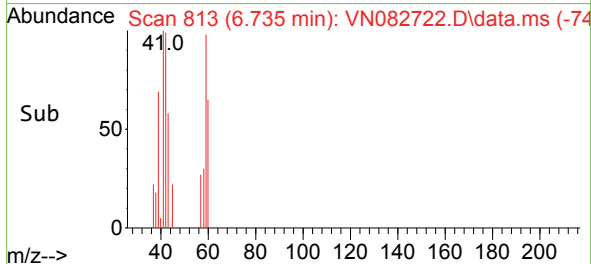
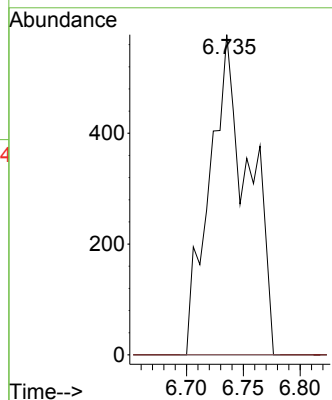
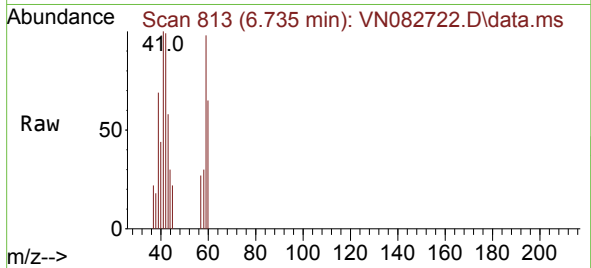




#23
 Vinyl Acetate
 Concen: 0.297 ug/l
 RT: 6.735 min Scan# 813
 Delta R.T. 0.129 min
 Lab File: VN082722.D
 Acq: 25 Jun 2024 17:00

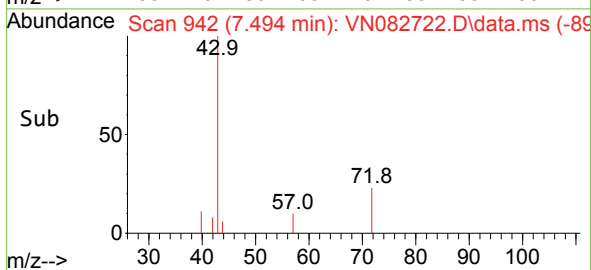
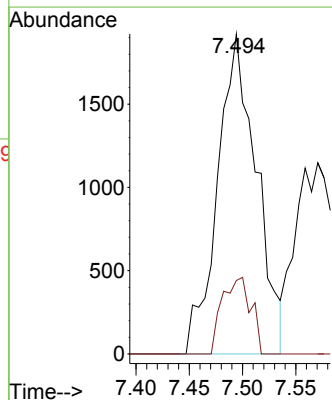
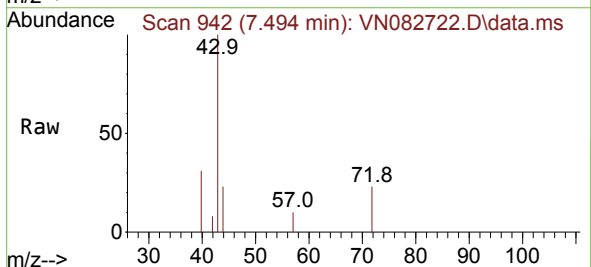
Instrument :
 MSVOA_N
 ClientSampleId :

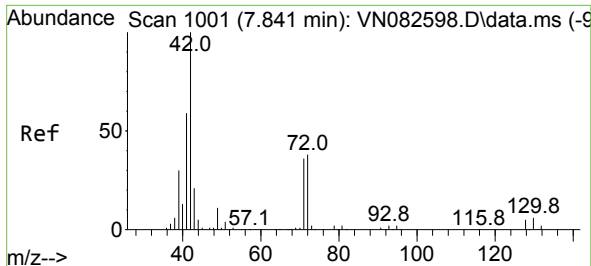
Tgt Ion: 43 Resp: 1393
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.3 10.9#



#25
 2-Butanone
 Concen: 3.620 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.006 min
 Lab File: VN082722.D
 Acq: 25 Jun 2024 17:00

Tgt Ion: 43 Resp: 4862
 Ion Ratio Lower Upper
 43 100
 72 22.9 18.2 27.2





#29

Tetrahydrofuran

Concen: 0.749 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.012 min

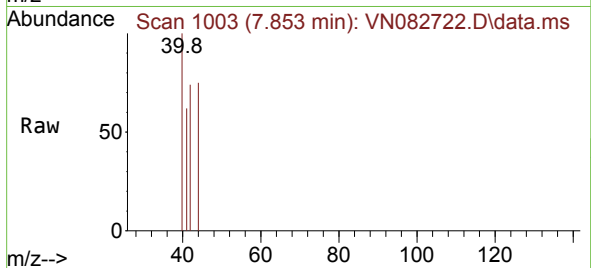
Lab File: VN082722.D

Acq: 25 Jun 2024 17:00

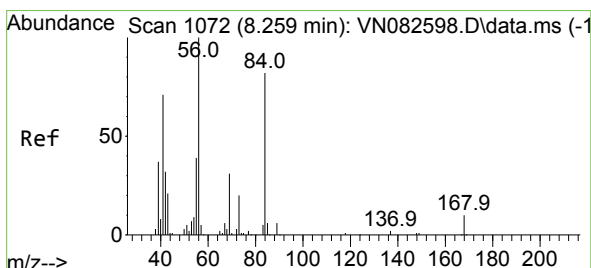
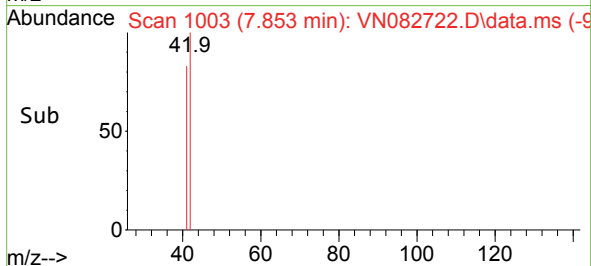
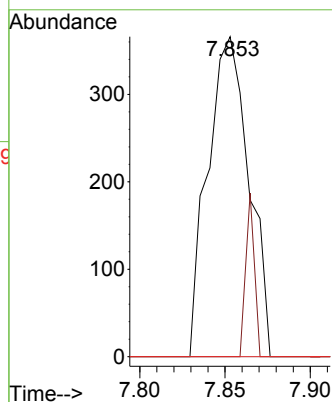
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	616
Ion Ratio	Lower	Upper	
42	100		
72	10.7	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.225 ug/l

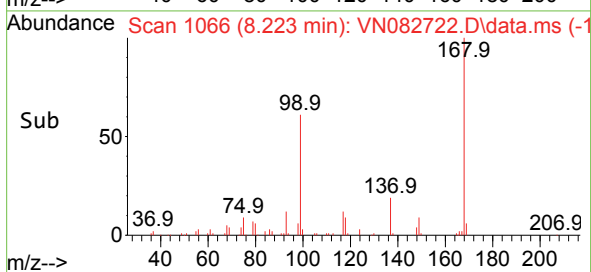
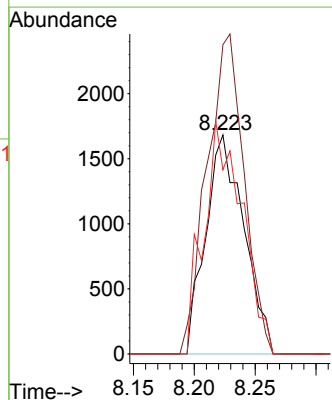
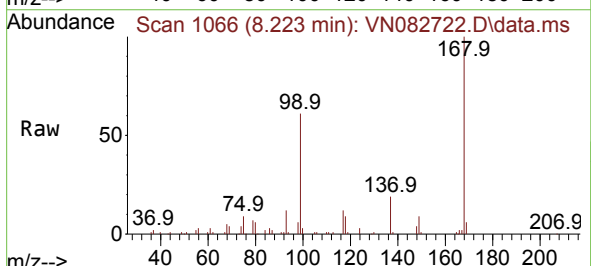
RT: 8.223 min Scan# 1066

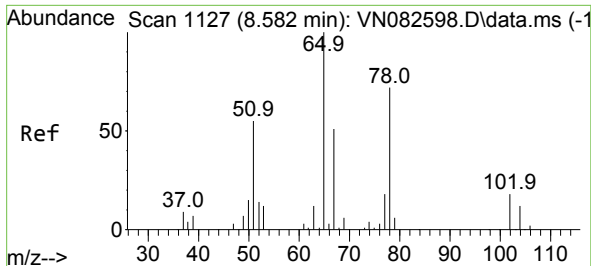
Delta R.T. -0.035 min

Lab File: VN082722.D

Acq: 25 Jun 2024 17:00

Tgt Ion:	56	Resp:	3672
Ion Ratio	Lower	Upper	
56	100		
69	141.2	24.5	36.7#
84	84.1	66.0	99.0





#33

1,2-Dichloroethane-d4

Concen: 58.770 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN082722.D

Acq: 25 Jun 2024 17:00

Instrument :

MSVOA_N

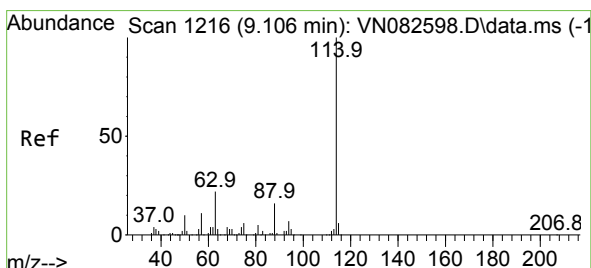
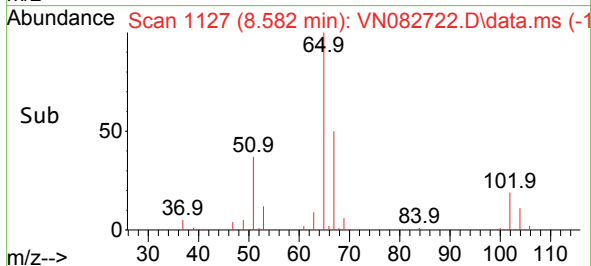
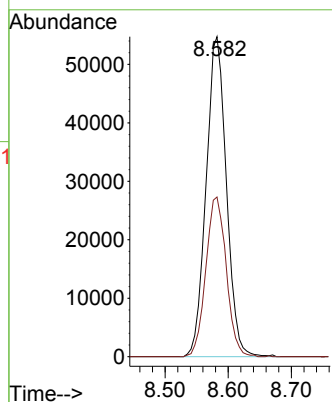
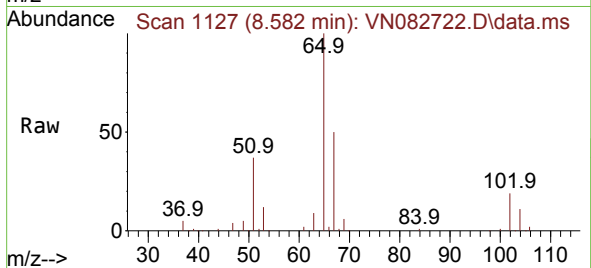
ClientSampleId :

Tgt Ion: 65 Resp: 122098

Ion Ratio Lower Upper

65 100

67 50.3 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: VN082722.D

Acq: 25 Jun 2024 17:00

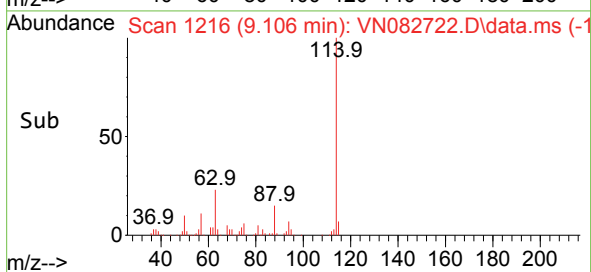
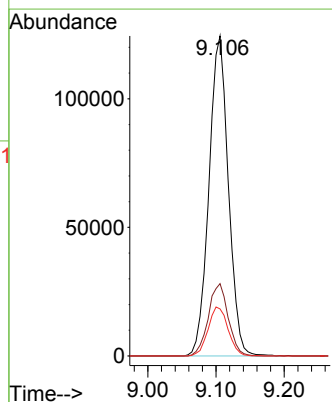
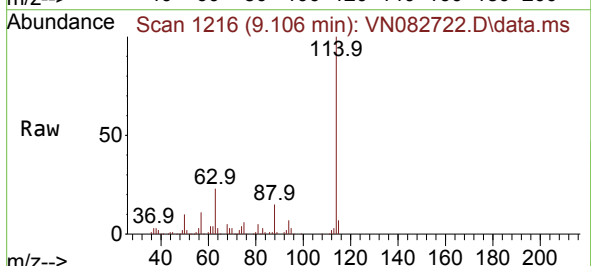
Tgt Ion: 114 Resp: 246540

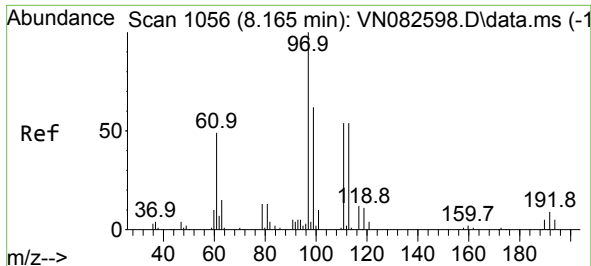
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

88 14.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.227 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

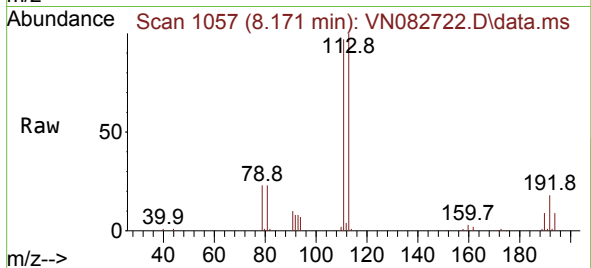
Lab File: VN082722.D

Acq: 25 Jun 2024 17:00

Instrument :

MSVOA_N

ClientSampleId :



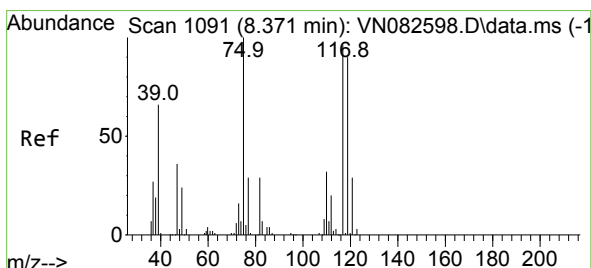
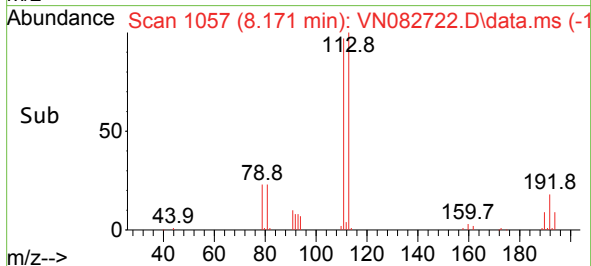
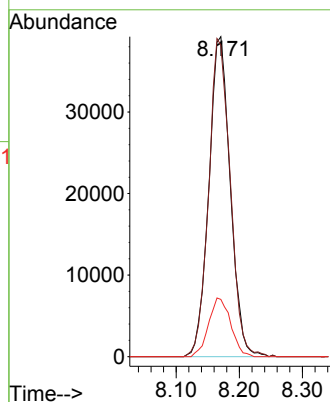
Tgt Ion:113 Resp: 92368

Ion Ratio Lower Upper

113 100

111 99.9 82.4 123.6

192 18.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082722.D

Acq: 25 Jun 2024 17:00

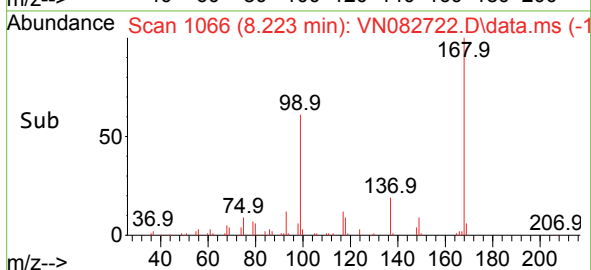
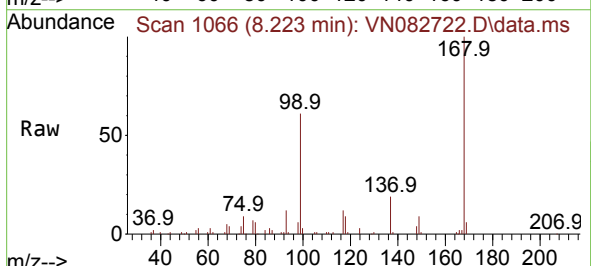
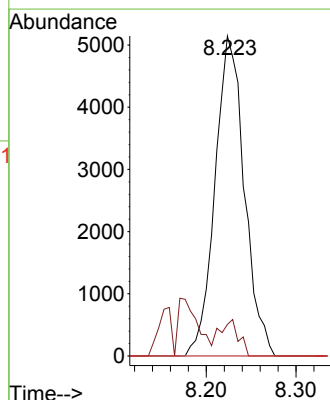
Tgt Ion: 75 Resp: 11676

Ion Ratio Lower Upper

75 100

110 7.4 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.957 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

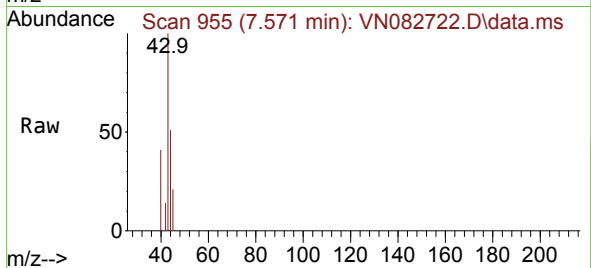
Lab File: VN082722.D

Acq: 25 Jun 2024 17:00

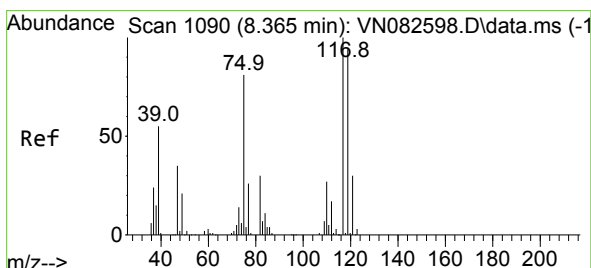
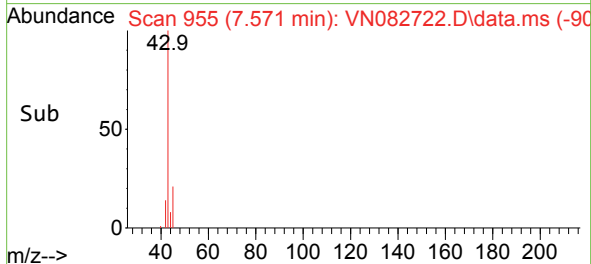
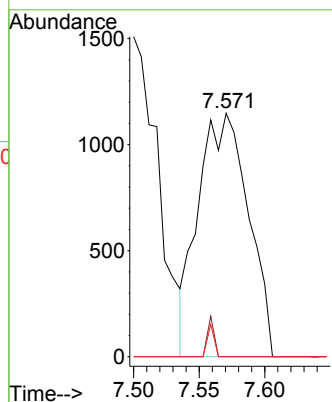
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3049
Ion	Ratio	Lower	Upper
43	100		
61	2.2	9.3	13.9#
70	1.8	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 4.936 ug/l

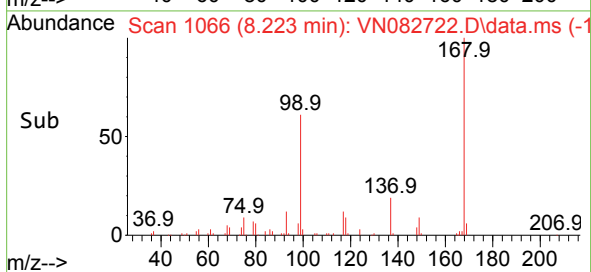
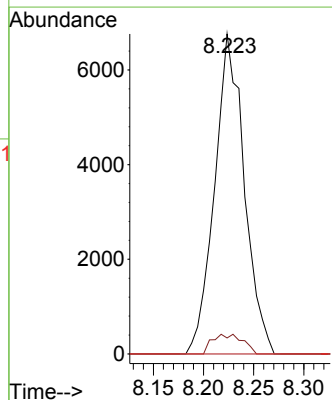
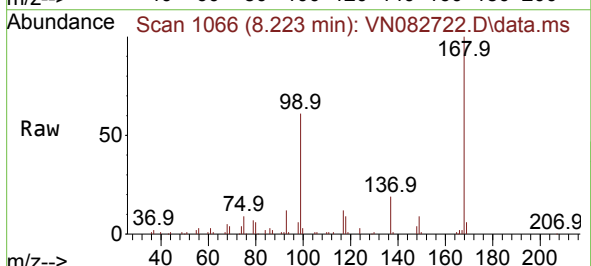
RT: 8.223 min Scan# 1066

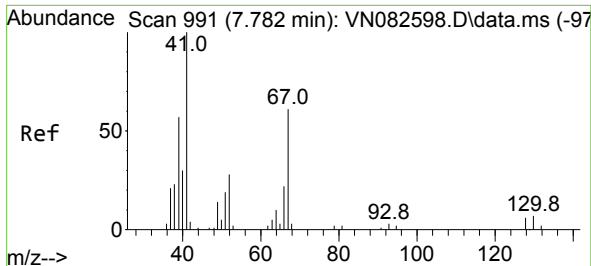
Delta R.T. -0.141 min

Lab File: VN082722.D

Acq: 25 Jun 2024 17:00

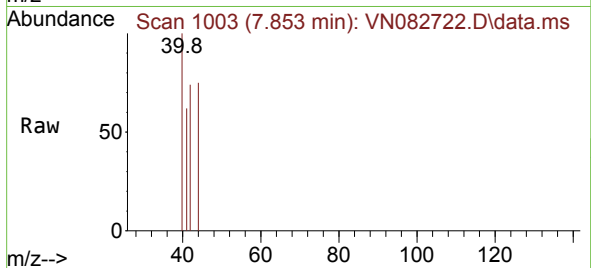
Tgt Ion:	117	Resp:	13908
Ion	Ratio	Lower	Upper
117	100		
119	5.0	74.9	112.3#
121	0.0	24.3	36.5#



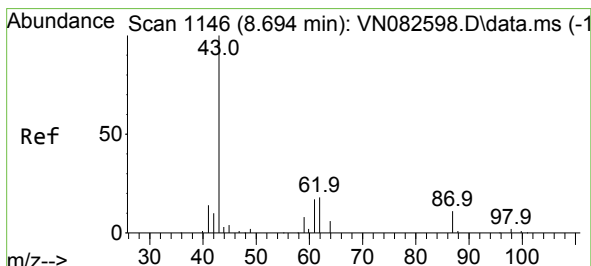
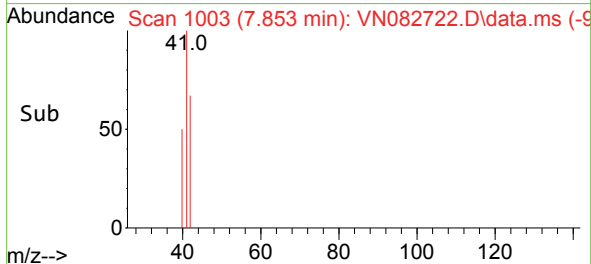
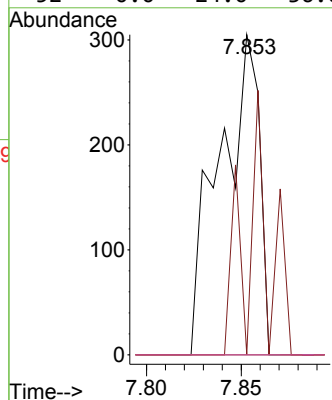


#41
Methacrylonitrile
Concen: 0.274 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.071 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

Instrument :
MSVOA_N
ClientSampleId :

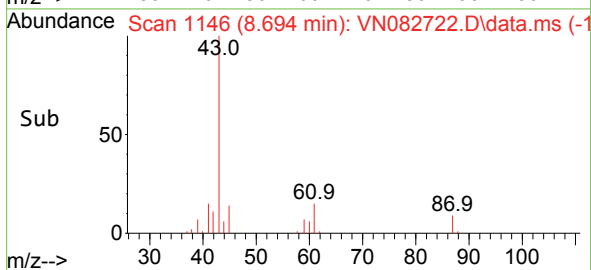
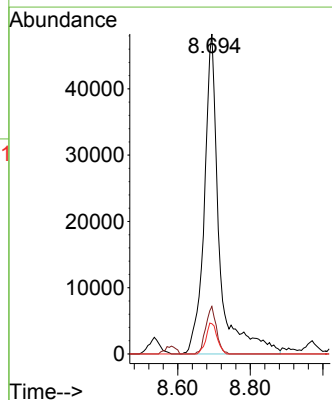
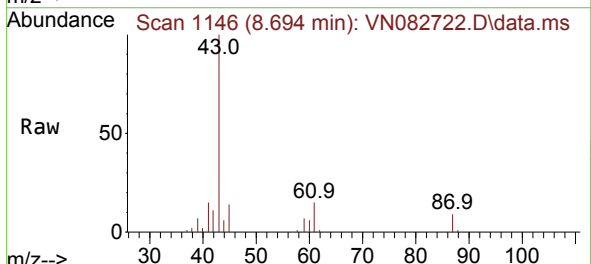


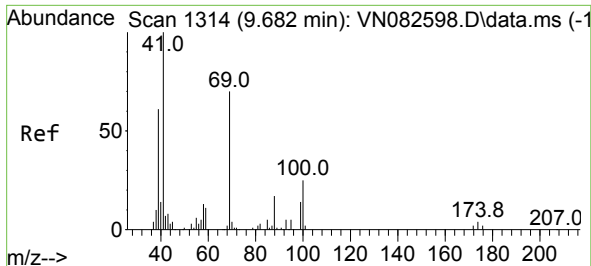
Tgt Ion: 41 Resp: 446
Ion Ratio Lower Upper
41 100
39 32.5 45.5 68.3#
67 0.0 50.5 75.7#
52 0.0 24.0 36.0#



#43
Isopropyl Acetate
Concen: 23.318 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

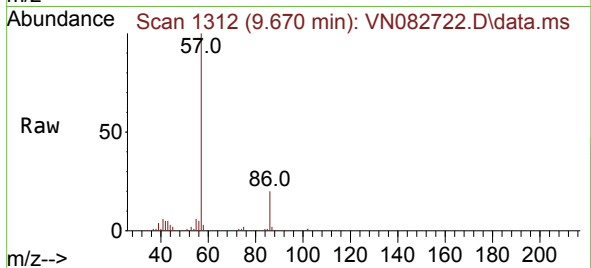
Tgt Ion: 43 Resp: 138787
Ion Ratio Lower Upper
43 100
61 10.6 17.8 26.6#
87 7.1 8.2 12.2#



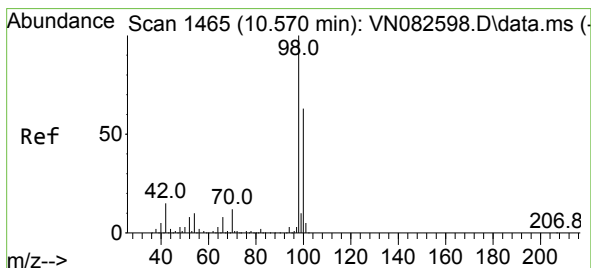
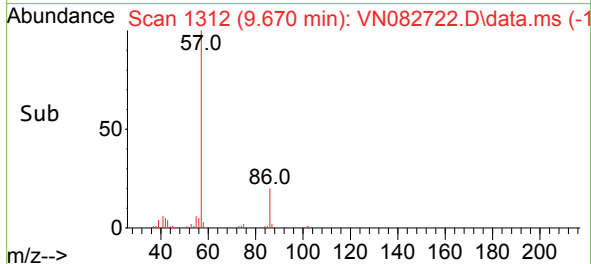
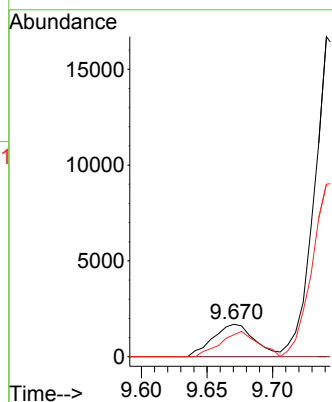


#48
Methyl methacrylate
Concen: 1.535 ug/l
RT: 9.670 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

Instrument :
MSVOA_N
ClientSampleId :

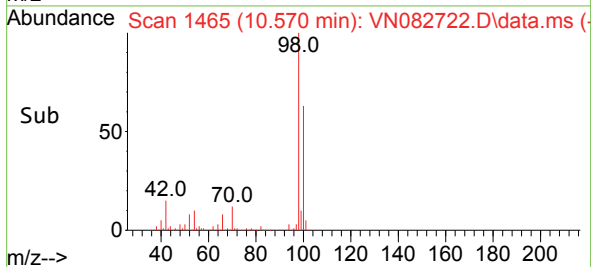
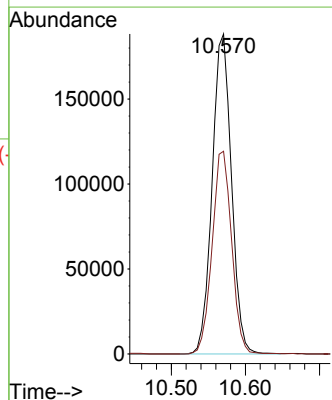
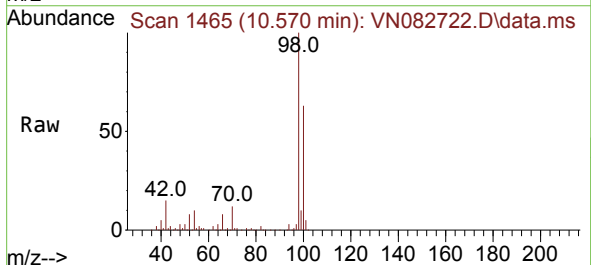


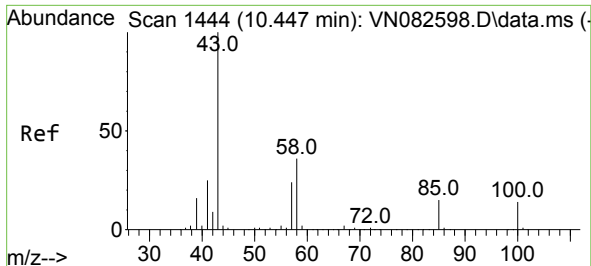
Tgt Ion: 41 Resp: 3766
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 68.4 50.3 75.5



#50
Toluene-d8
Concen: 53.814 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

Tgt Ion: 98 Resp: 340366
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3

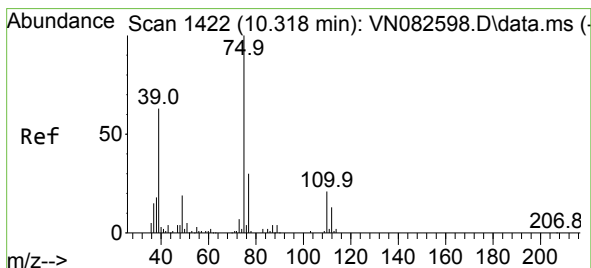
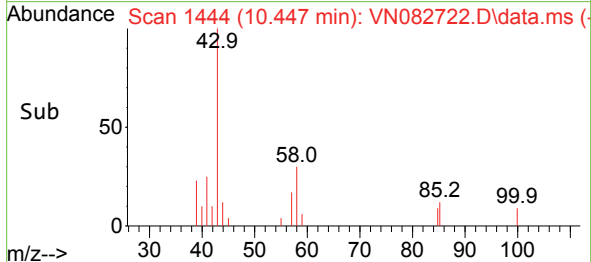
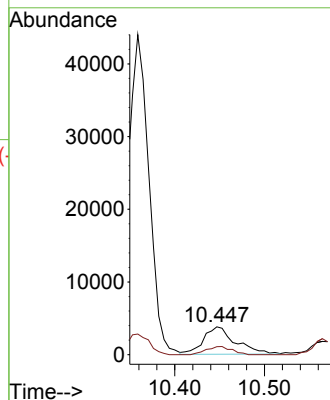
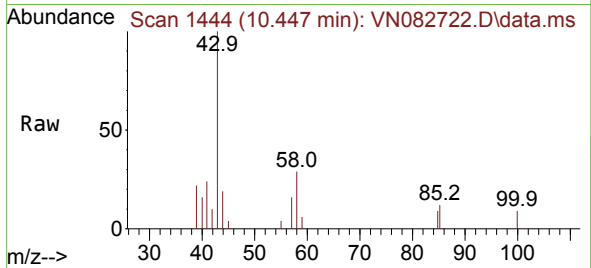




#51
4-Methyl-2-Pentanone
Concen: 3.054 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

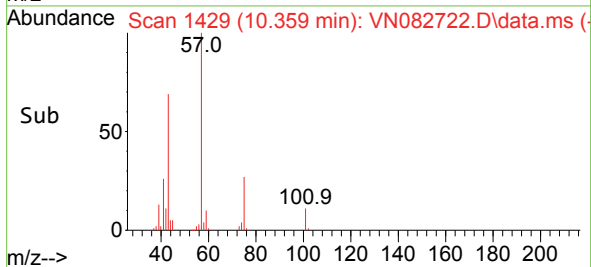
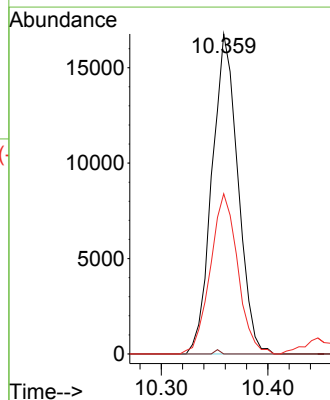
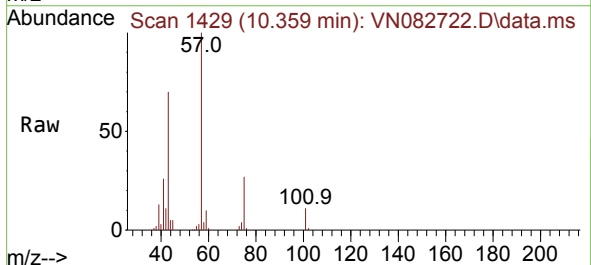
Instrument :
MSVOA_N
ClientSampleId :

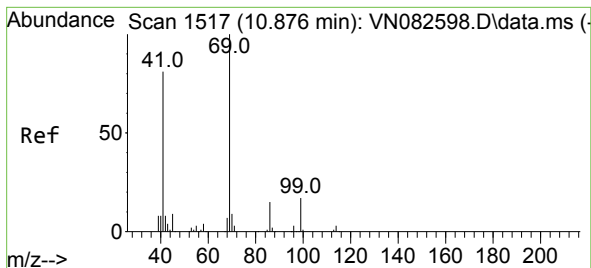
Tgt Ion: 43 Resp: 9322
Ion Ratio Lower Upper
43 100
58 24.0 28.2 42.4#



#54
cis-1,3-Dichloropropene
Concen: 9.325 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

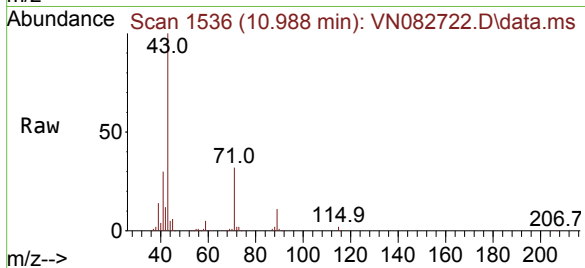
Tgt Ion: 75 Resp: 28329
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 50.1 50.5 75.7#



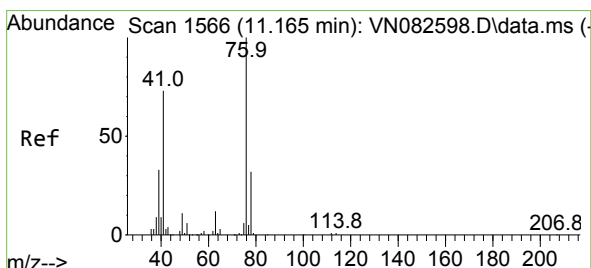
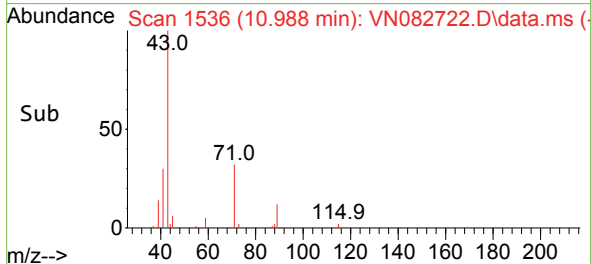
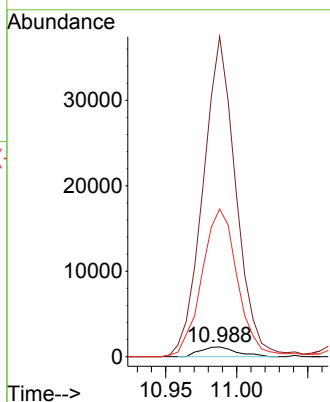


#56
Ethyl methacrylate
Concen: 0.725 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

Instrument :
MSVOA_N
ClientSampleId :

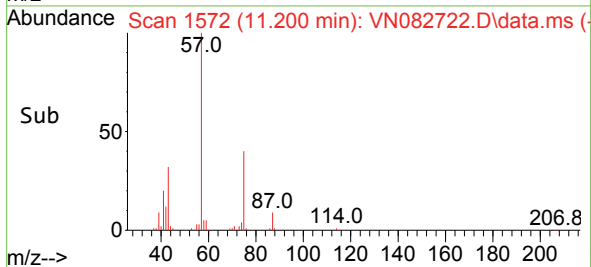
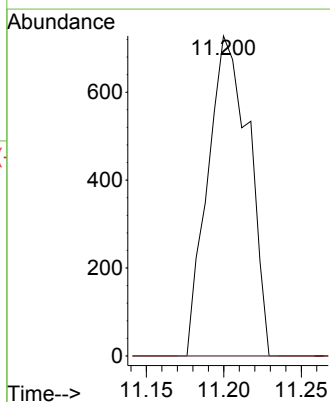
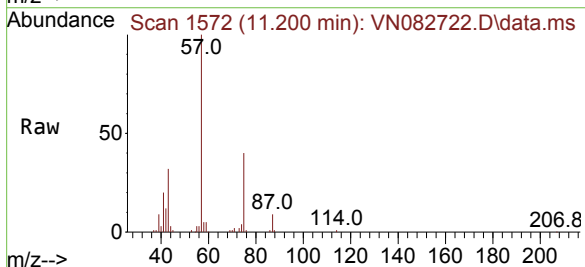


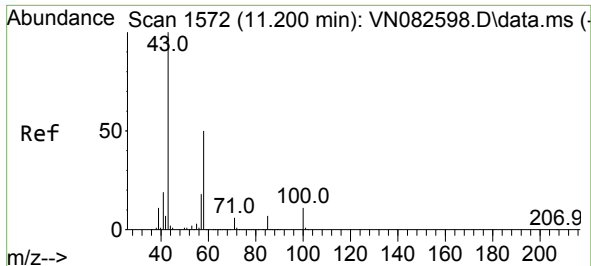
Tgt Ion: 69 Resp: 2034
Ion Ratio Lower Upper
69 100
41 2972.2 63.4 95.2#
39 1492.8 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 0.428 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

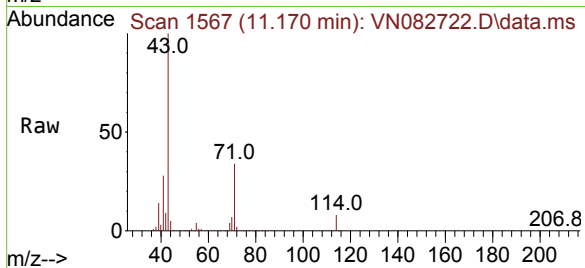
Tgt Ion: 76 Resp: 1341
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



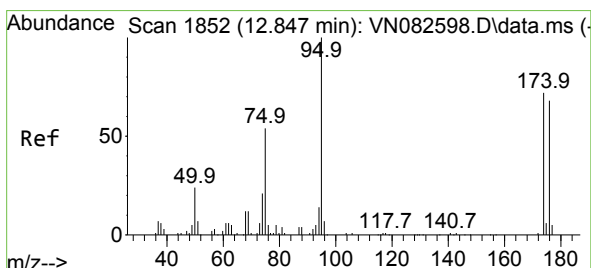
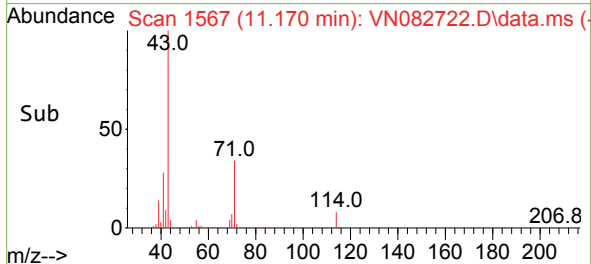
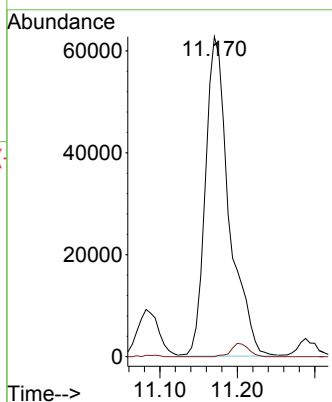


#59
2-Hexanone
Concen: 57.638 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

Instrument :
MSVOA_N
ClientSampleId :

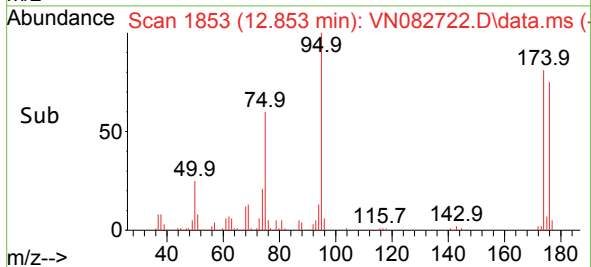
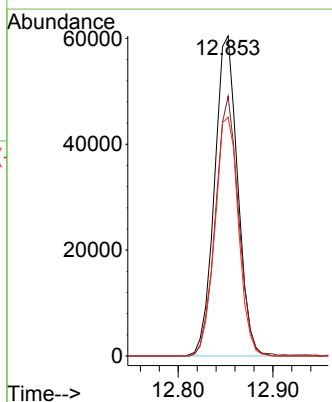
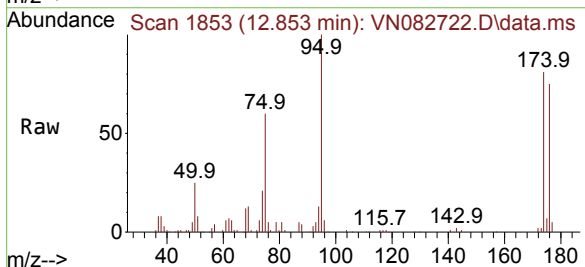


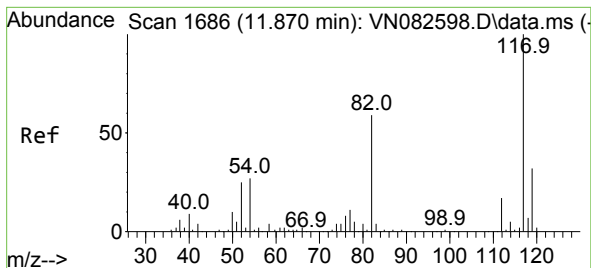
Tgt Ion: 43 Resp: 133736
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 47.008 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082722.D
Acq: 25 Jun 2024 17:00

Tgt Ion: 95 Resp: 102505
Ion Ratio Lower Upper
95 100
174 81.5 0.0 159.2
176 75.9 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082722.D

Acq: 25 Jun 2024 17:00

Instrument :

MSVOA_N

ClientSampleId :

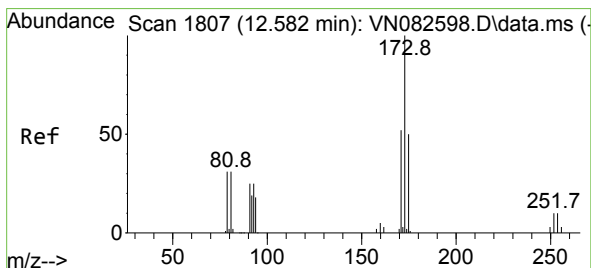
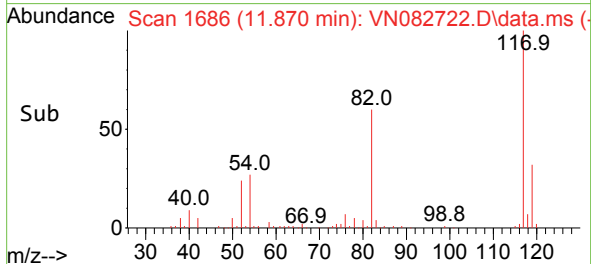
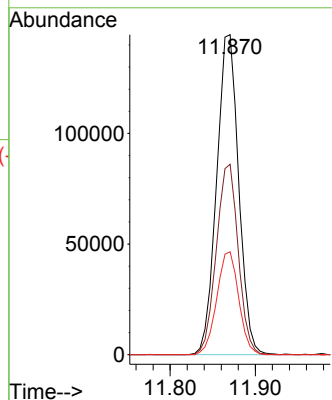
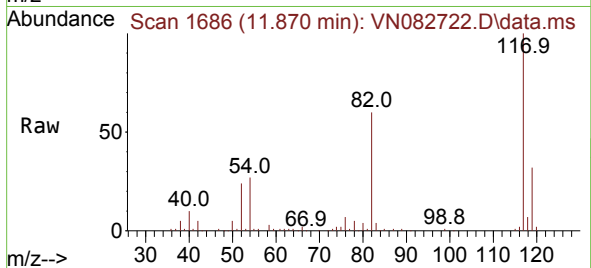
Tgt Ion:117 Resp: 260329

Ion Ratio Lower Upper

117 100

82 59.5 47.5 71.3

119 32.1 25.6 38.4



#71

Bromoform

Concen: 0.853 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.270 min

Lab File: VN082722.D

Acq: 25 Jun 2024 17:00

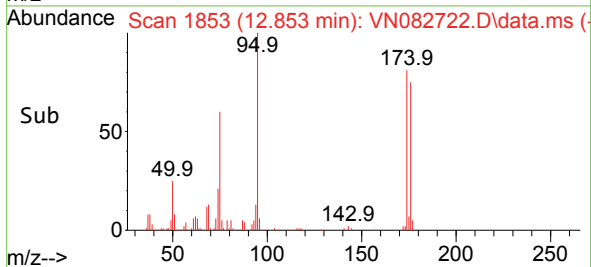
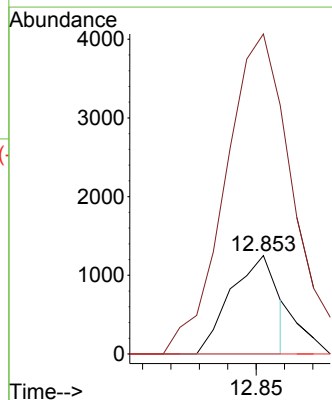
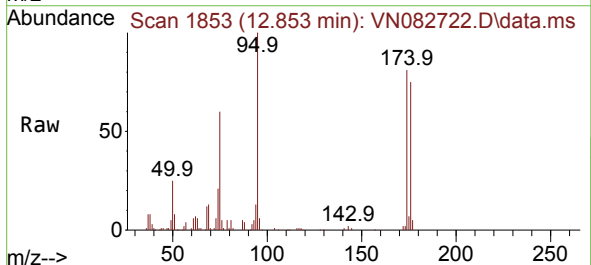
Tgt Ion:173 Resp: 1436

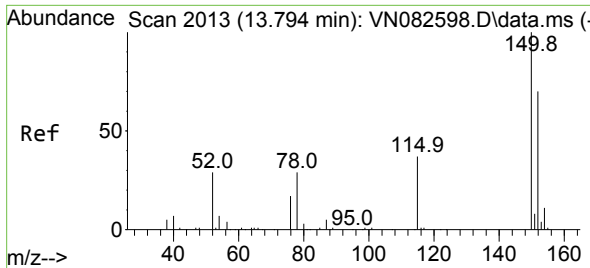
Ion Ratio Lower Upper

173 100

175 386.3 24.0 72.0#

254 0.0 0.0 0.0

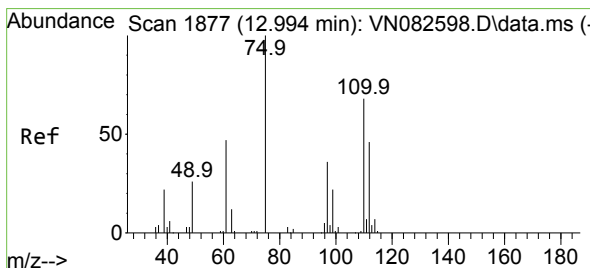
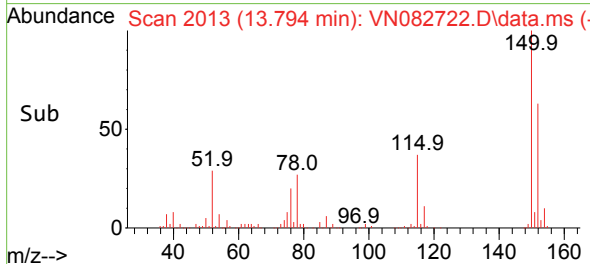
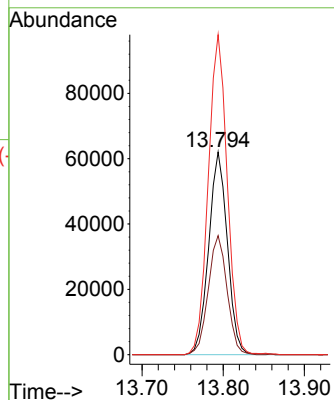
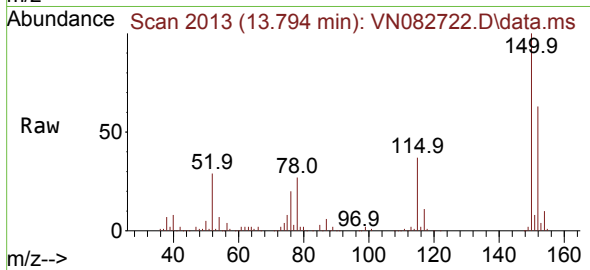




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082722.D
 Acq: 25 Jun 2024 17:00

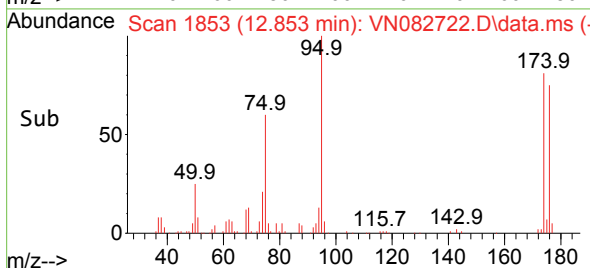
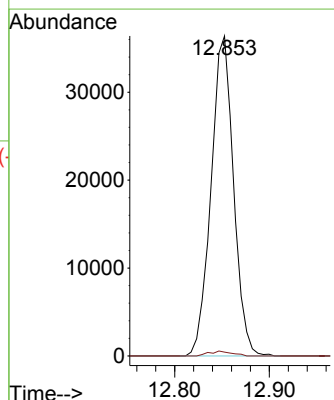
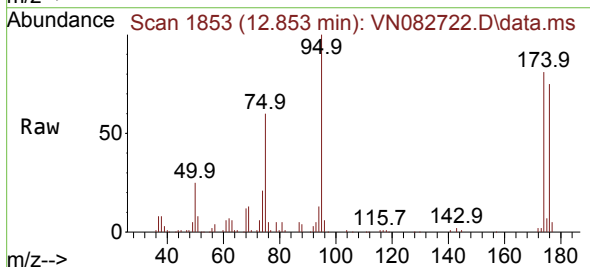
Instrument :
 MSVOA_N
 ClientSampleId :

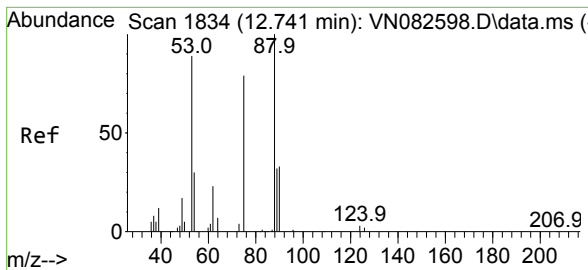
Tgt Ion:152 Resp: 99136
 Ion Ratio Lower Upper
 152 100
 115 59.2 30.6 91.6
 150 160.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 24.739 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082722.D
 Acq: 25 Jun 2024 17:00

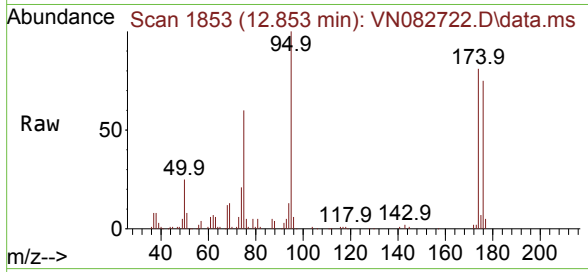
Tgt Ion: 75 Resp: 59986
 Ion Ratio Lower Upper
 75 100
 77 1.5 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.187 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082722.D
 Acq: 25 Jun 2024 17:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 59986
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.4 132.6#
 89 0.0 36.3 54.5#

