

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062024\
 Data File : VN082672.D
 Acq On : 20 Jun 2024 16:50
 Operator : JC\MD
 Sample : P2993-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

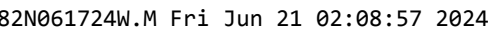
Quant Time: Jun 21 02:08:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

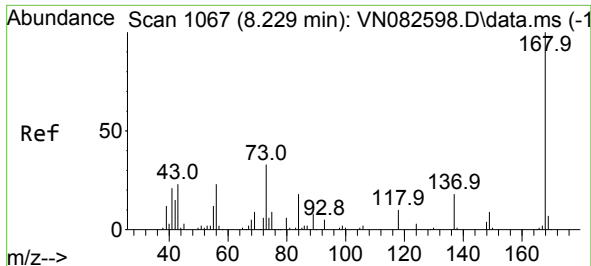
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	126512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	233550	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	239596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117929	58.128	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.260%	
35) Dibromofluoromethane	8.171	113	87317	55.111	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.220%	
50) Toluene-d8	10.571	98	312980	52.237	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.480%	
62) 4-Bromofluorobenzene	12.853	95	109122	52.826	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 105.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	822	0.388	ug/l #	43
11) Tert butyl alcohol	5.542	59	6025	18.145	ug/l #	83
16) Acetone	4.436	43	331243	359.004	ug/l	99
17) Carbon Disulfide	4.718	76	1404	0.314	ug/l #	75
20) Methylene Chloride	5.271	84	2756	1.699	ug/l #	71
25) 2-Butanone	7.494	43	13007	9.918	ug/l	93
31) Cyclohexane	8.224	56	3985	1.361	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	11980	5.058	ug/l #	51
37) Ethyl Acetate	7.494	43	13007	4.311	ug/l #	72
38) Carbon Tetrachloride	8.224	117	14051	5.264	ug/l #	19
43) Isopropyl Acetate	8.718	43	4183	0.742	ug/l #	60
51) 4-Methyl-2-Pentanone	10.447	43	4457	1.541	ug/l #	84
52) Toluene	10.635	92	338314	76.281	ug/l	99
53) t-1,3-Dichloropropene	10.635	75	4721	1.696	ug/l #	1
59) 2-Hexanone	11.200	43	1248	0.568	ug/l #	47
67) Ethyl Benzene	11.965	91	42388	4.528	ug/l	99
68) m/p-Xylenes	12.071	106	63367	18.194	ug/l	97
69) o-Xylene	12.400	106	15911	4.862	ug/l	97
70) Styrene	12.400	104	1879	0.338	ug/l #	1
71) Bromoform	12.847	173	606	0.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	62435	24.440	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	62435	58.470	ug/l #	6

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

Quant Time: Jun 21 02:08:42 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

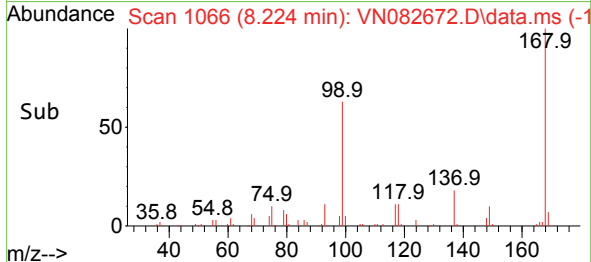
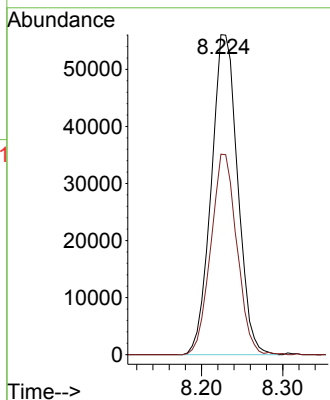
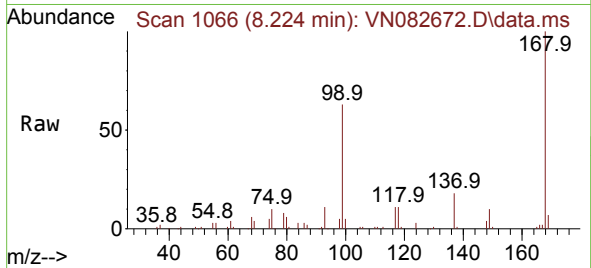




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

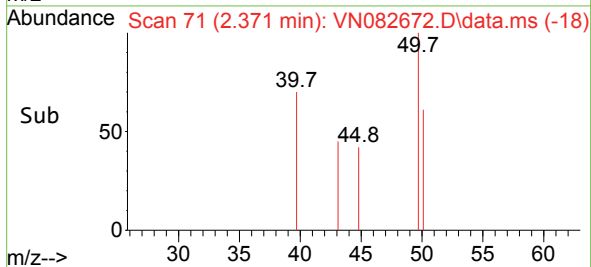
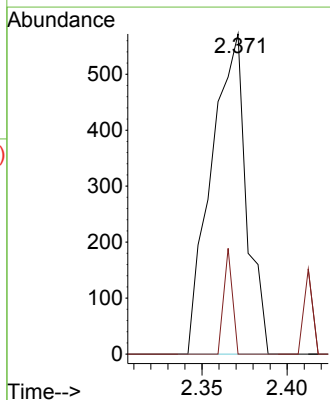
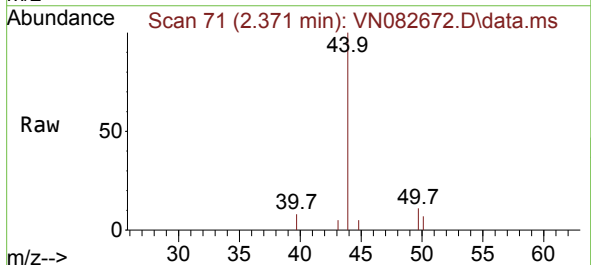
Instrument :
MSVOA_N
ClientSampleId :

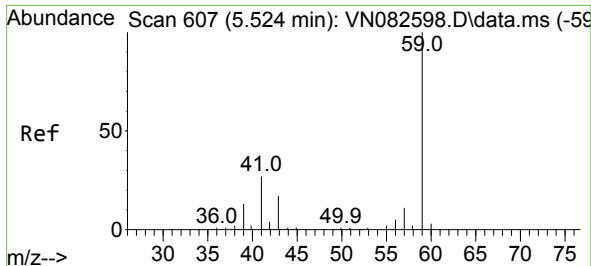
Tgt Ion:168 Resp: 126512
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.4



#3
Chloromethane
Concen: 0.388 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 50 Resp: 822
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

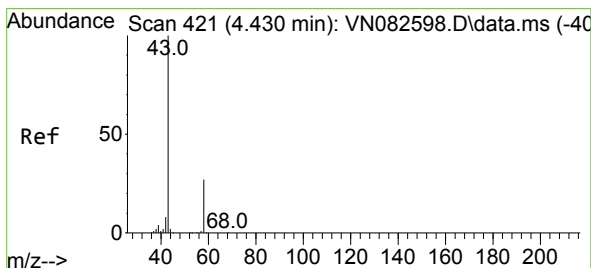
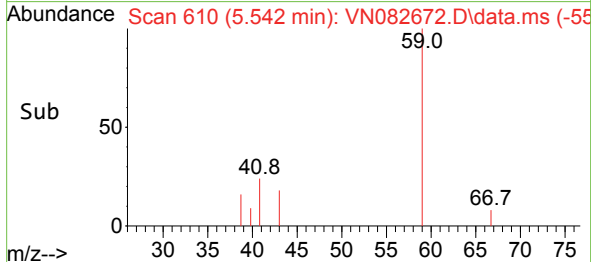
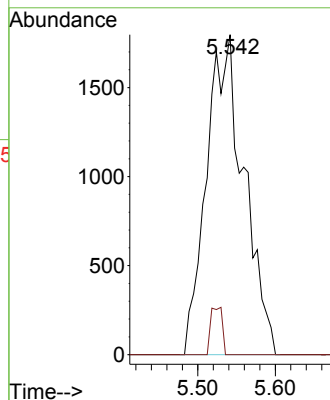
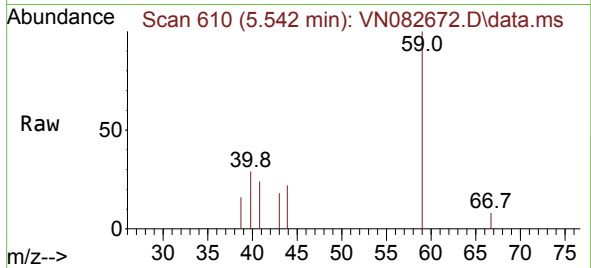




#11
Tert butyl alcohol
Concen: 18.145 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

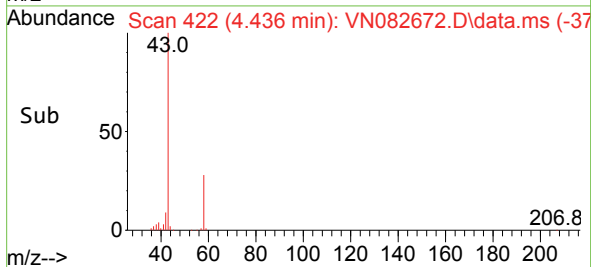
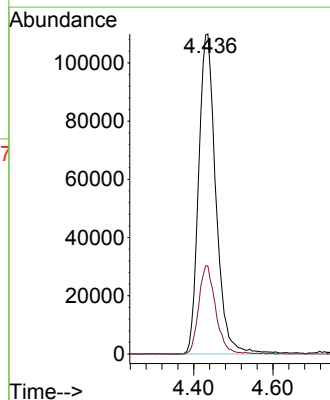
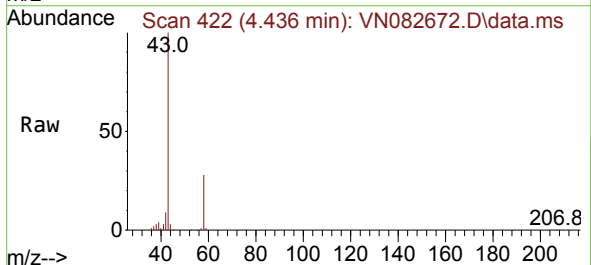
Instrument :
MSVOA_N
ClientSampleId :

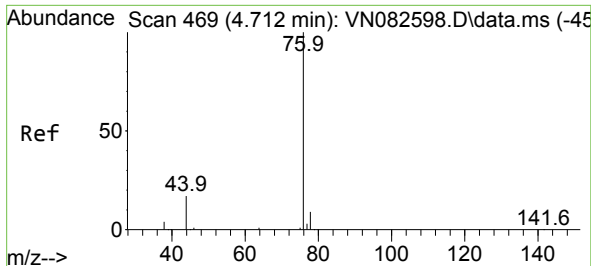
Tgt Ion: 59 Resp: 6025
Ion Ratio Lower Upper
59 100
57 4.6 8.9 13.3#



#16
Acetone
Concen: 359.004 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 43 Resp: 331243
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.6





#17

Carbon Disulfide

Concen: 0.314 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

Instrument :

MSVOA_N

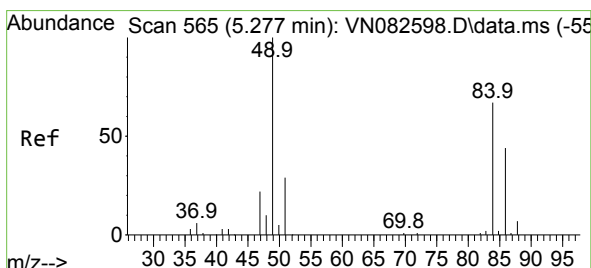
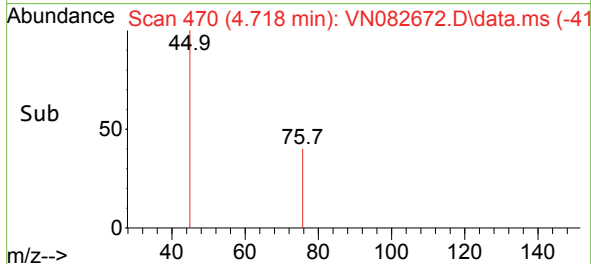
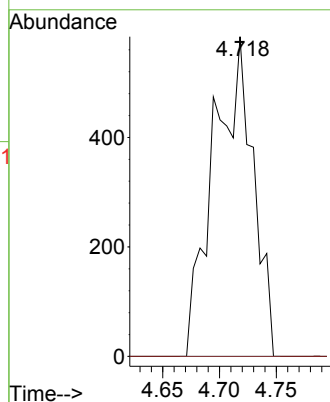
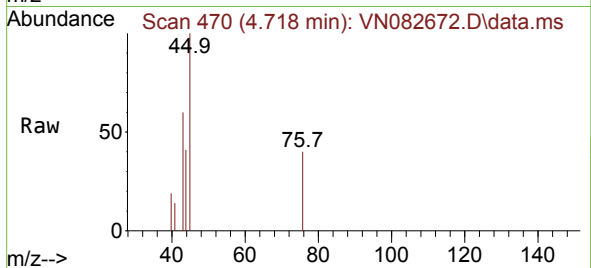
ClientSampleId :

Tgt Ion: 76 Resp: 1404

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 1.699 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

Tgt Ion: 84 Resp: 2756

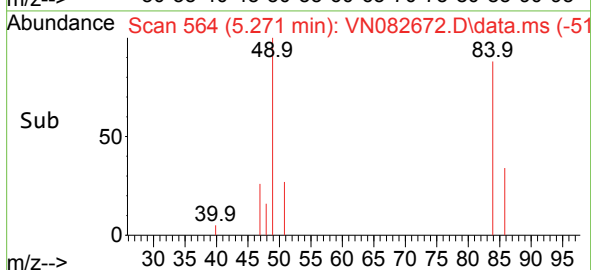
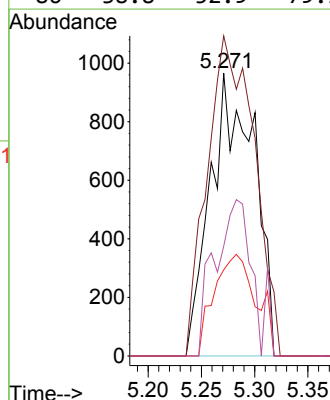
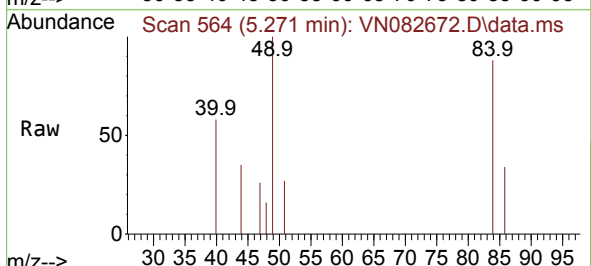
Ion Ratio Lower Upper

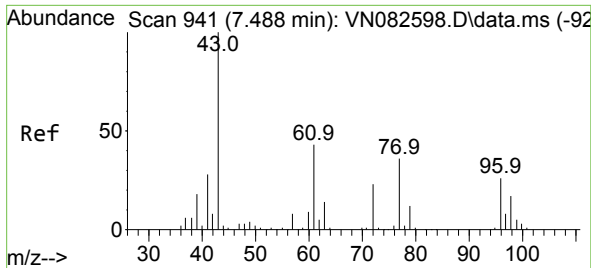
84 100

49 113.1 119.6 179.4#

51 30.4 34.8 52.2#

86 38.8 52.9 79.3#

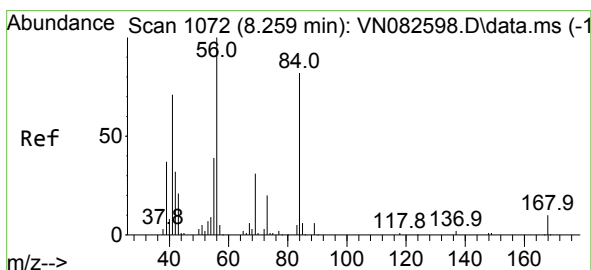
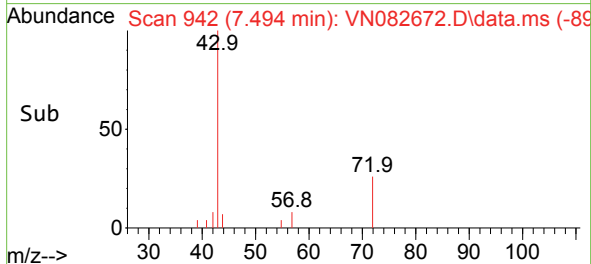
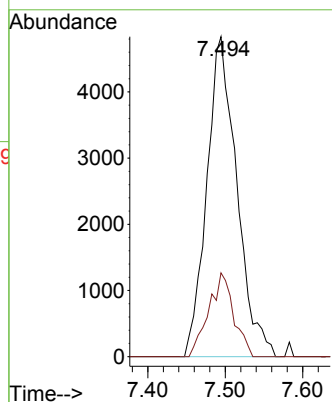
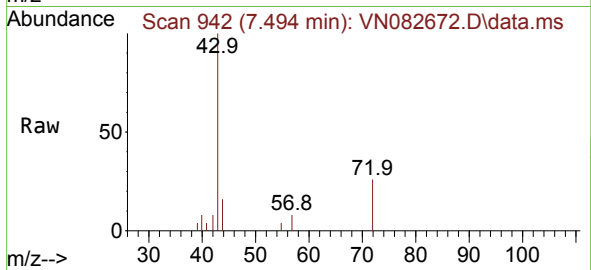




#25
2-Butanone
Concen: 9.918 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

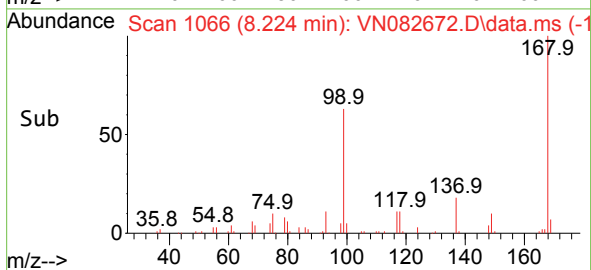
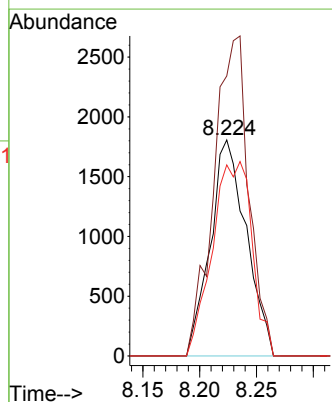
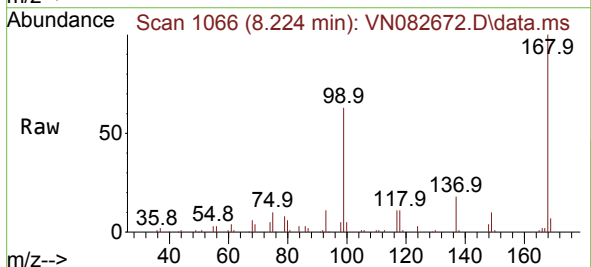
Instrument :
MSVOA_N
ClientSampleId :

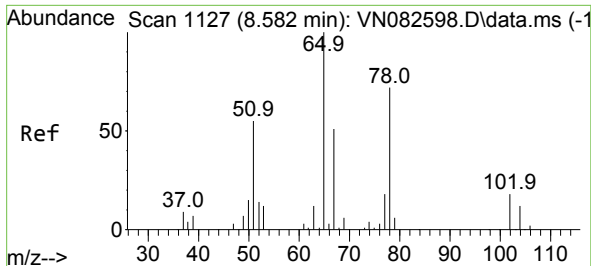
Tgt Ion: 43 Resp: 13007
Ion Ratio Lower Upper
43 100
72 26.2 18.2 27.2



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 56 Resp: 3985
Ion Ratio Lower Upper
56 100
69 129.7 24.5 36.7#
84 88.5 66.0 99.0





#33

1,2-Dichloroethane-d4

Concen: 58.128 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

Instrument :

MSVOA_N

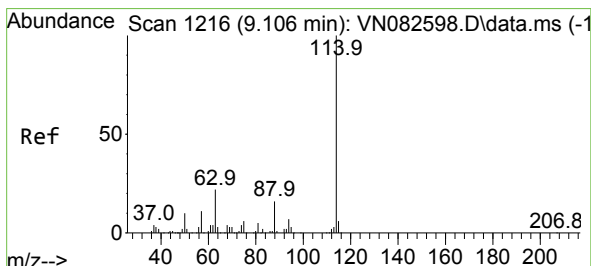
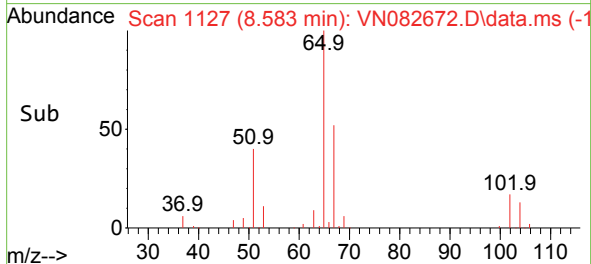
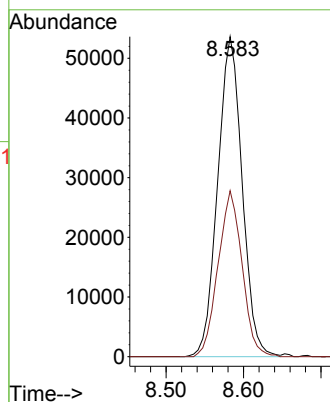
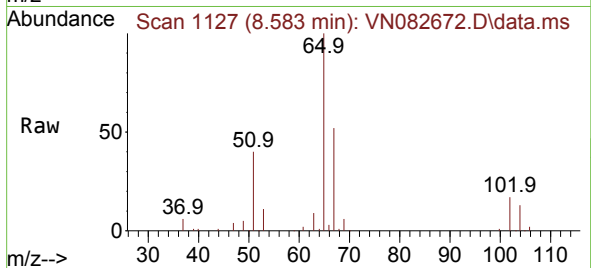
ClientSampleId :

Tgt Ion: 65 Resp: 117929

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# 1216

Delta R.T. 0.000 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

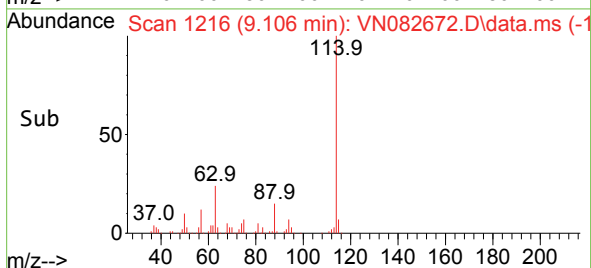
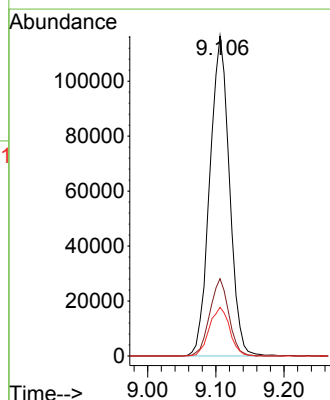
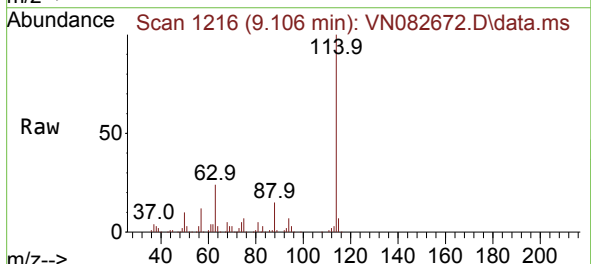
Tgt Ion: 114 Resp: 233550

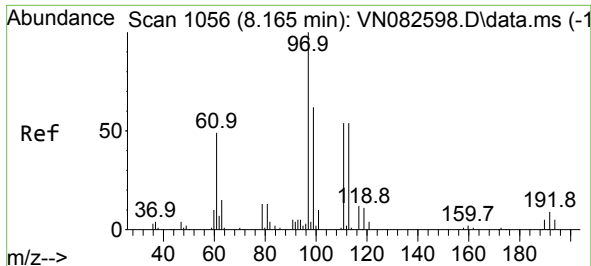
Ion Ratio Lower Upper

114 100

63 24.2 0.0 44.6

88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.111 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

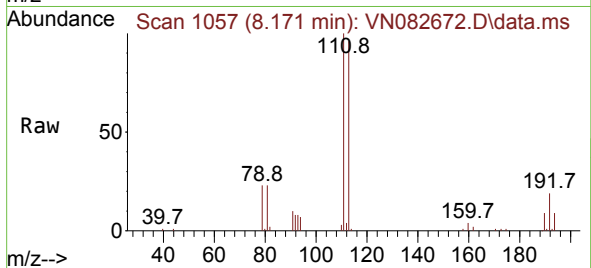
Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :



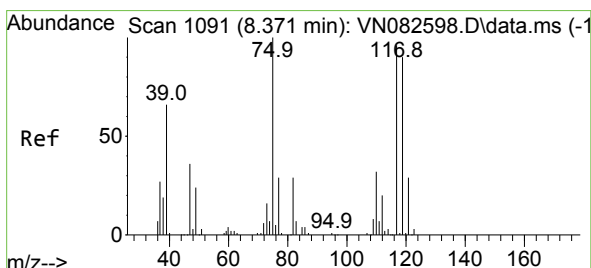
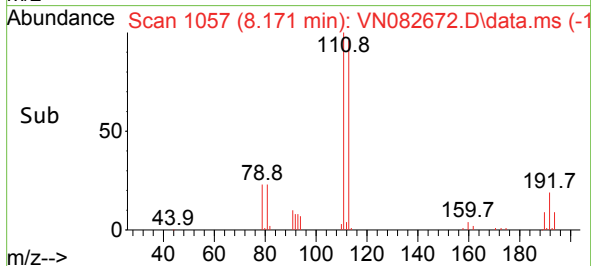
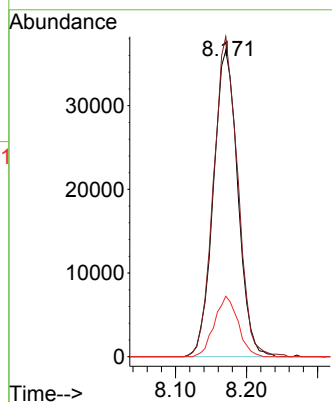
Tgt Ion:113 Resp: 87317

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

192 19.0 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.058 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

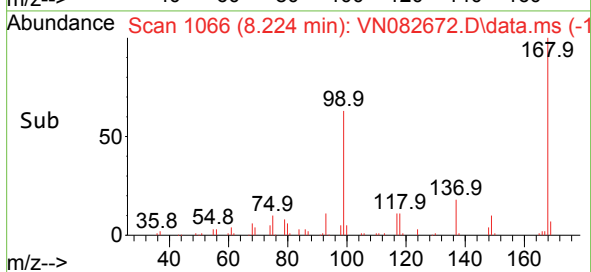
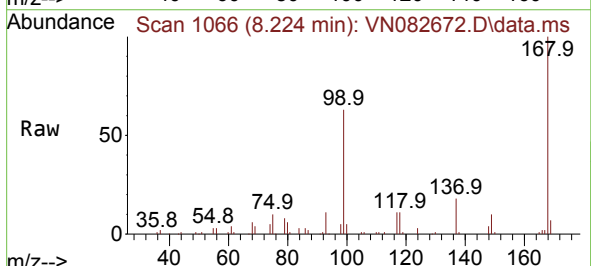
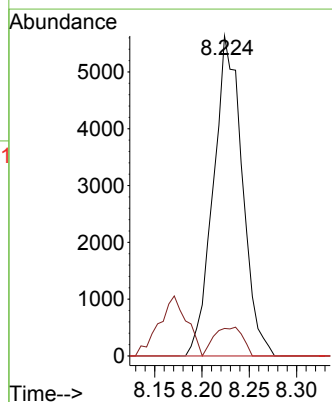
Tgt Ion: 75 Resp: 11980

Ion Ratio Lower Upper

75 100

110 8.9 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 4.311 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.070 min

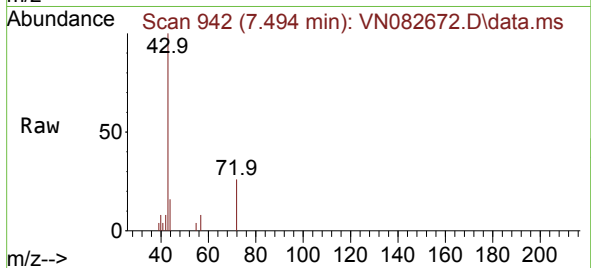
Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :



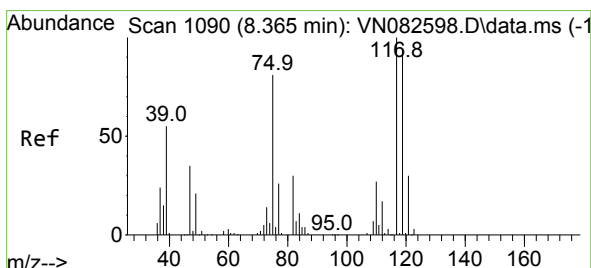
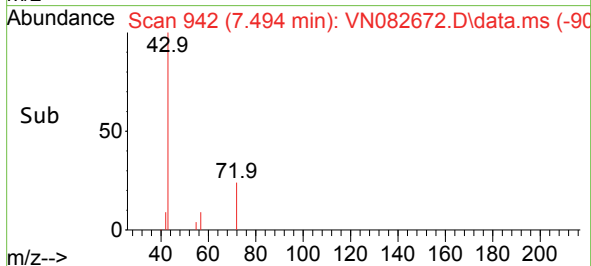
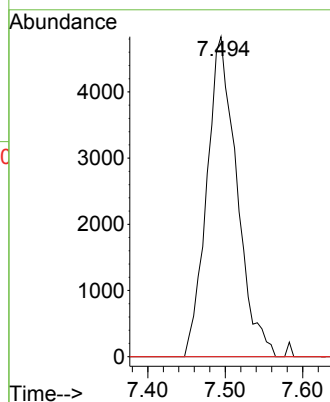
Tgt Ion: 43 Resp: 13007

Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.264 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

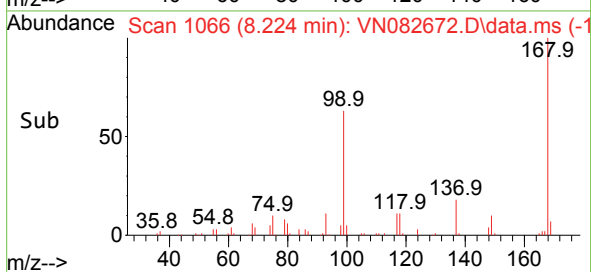
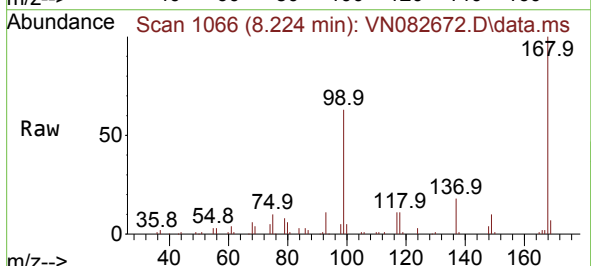
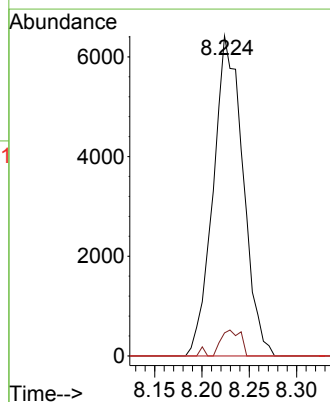
Tgt Ion: 117 Resp: 14051

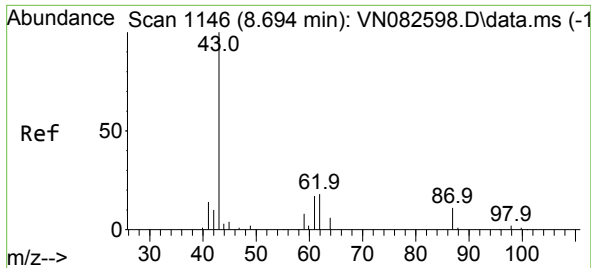
Ion Ratio Lower Upper

117 100

119 7.2 74.9 112.3#

121 0.0 24.3 36.5#

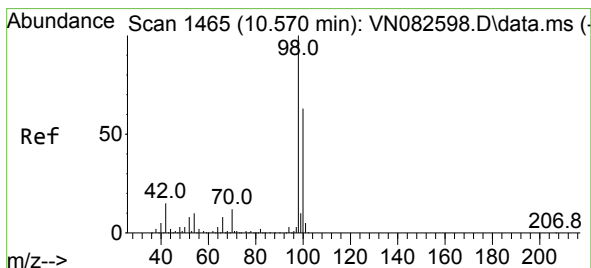
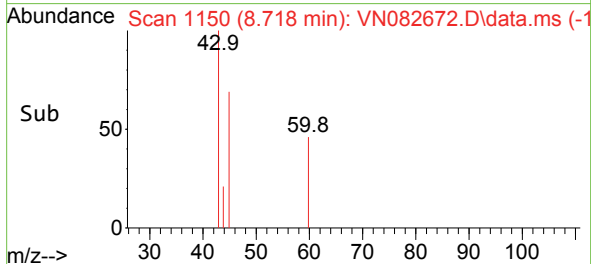
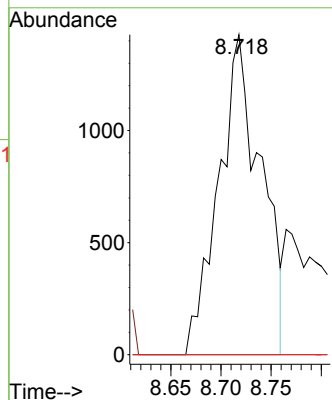
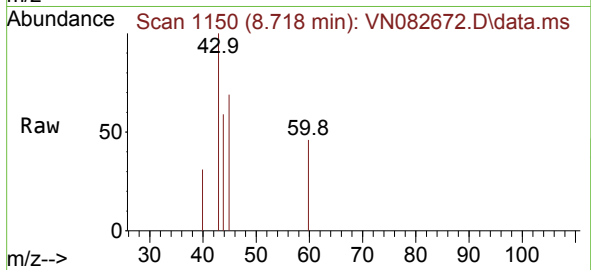




#43
Isopropyl Acetate
Concen: 0.742 ug/l
RT: 8.718 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

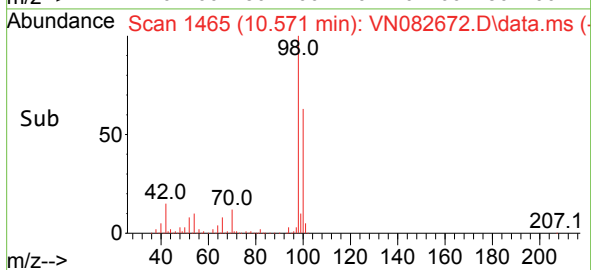
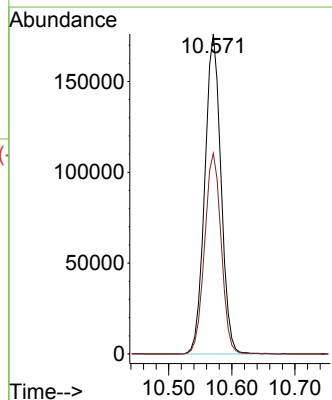
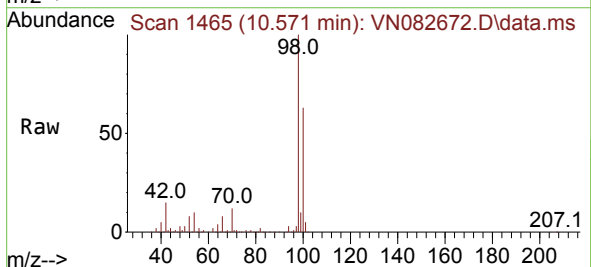
Instrument :
MSVOA_N
ClientSampleId :

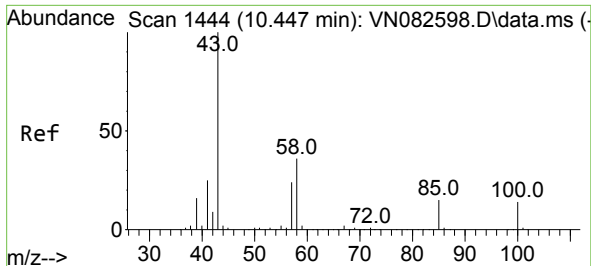
Tgt Ion: 43 Resp: 4183
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 52.237 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 98 Resp: 312980
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3

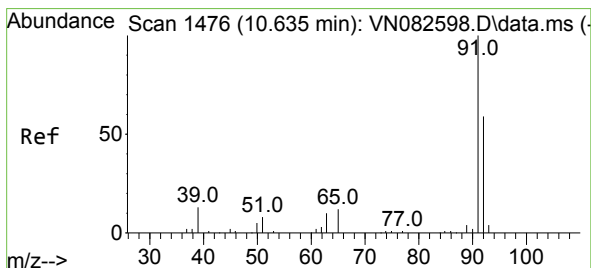
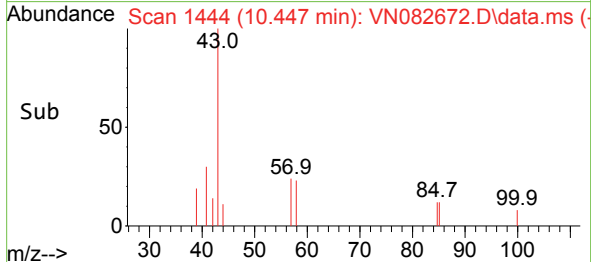
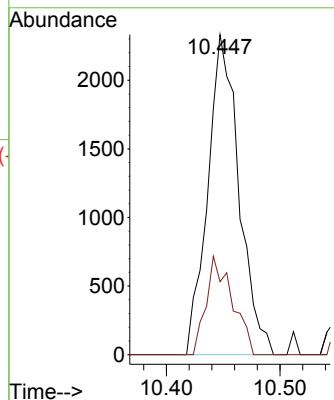
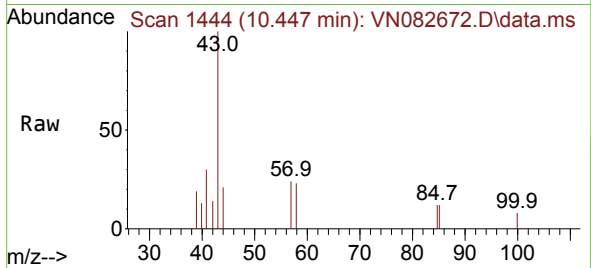




#51
4-Methyl-2-Pentanone
Concen: 1.541 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

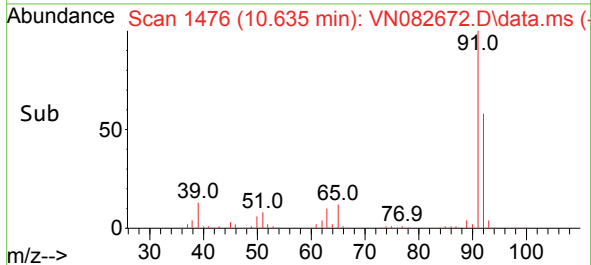
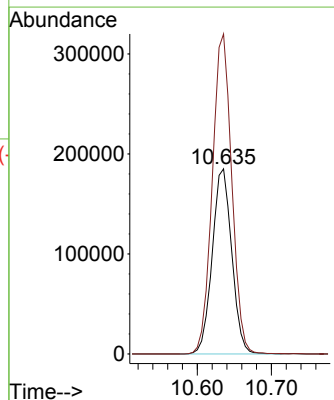
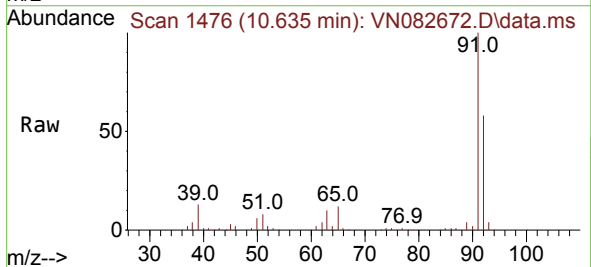
Instrument :
MSVOA_N
ClientSampleId :

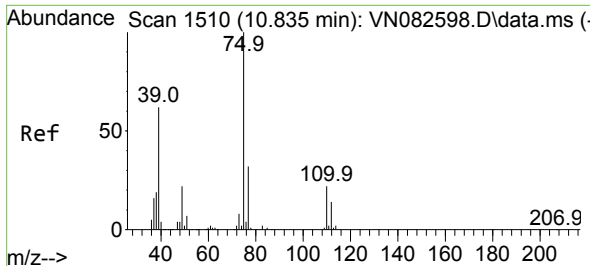
Tgt Ion: 43 Resp: 4457
Ion Ratio Lower Upper
43 100
58 25.8 28.2 42.4#



#52
Toluene
Concen: 76.281 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 92 Resp: 338314
Ion Ratio Lower Upper
92 100
91 172.5 139.4 209.0

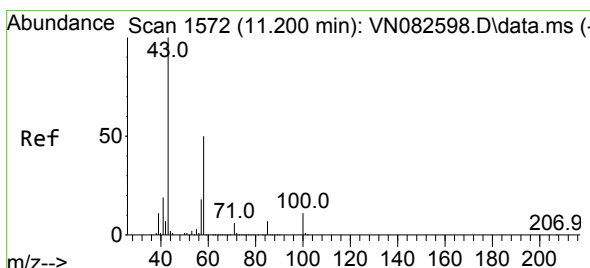
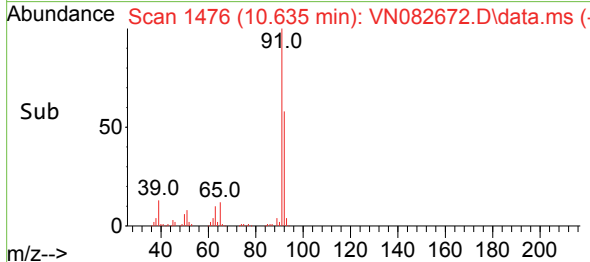
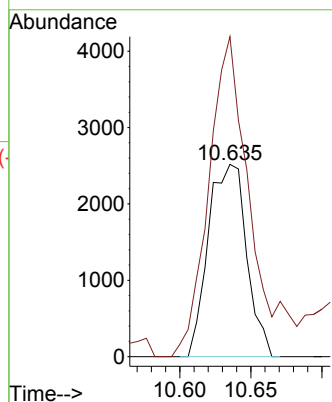
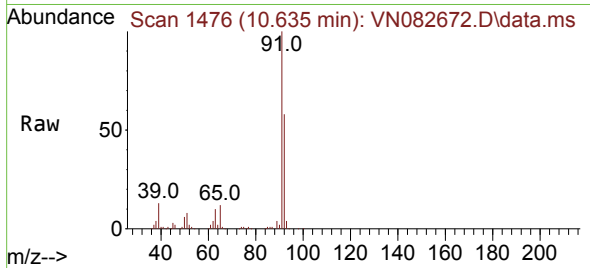




#53
t-1,3-Dichloropropene
Concen: 1.696 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.200 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

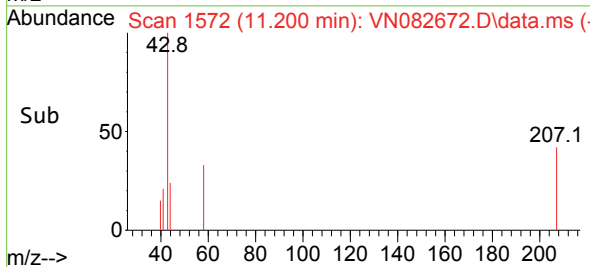
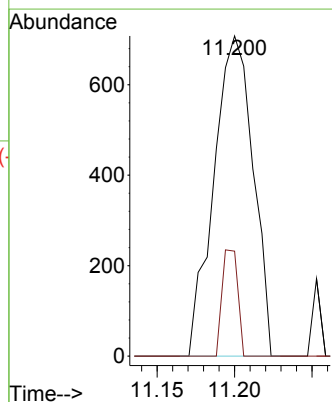
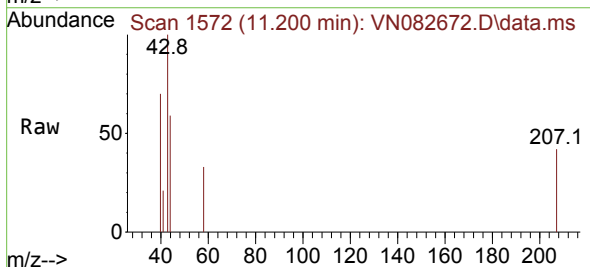
Instrument :
MSVOA_N
ClientSampleId :

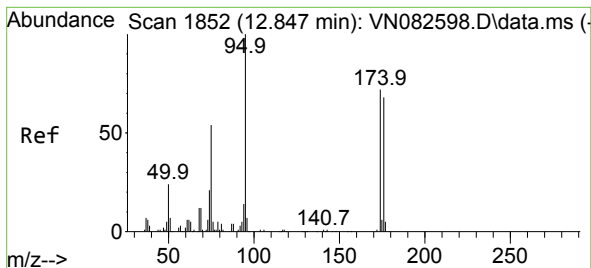
Tgt Ion: 75 Resp: 4721
Ion Ratio Lower Upper
75 100
77 159.9 25.7 38.5#



#59
2-Hexanone
Concen: 0.568 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
58 13.2 24.6 73.8#

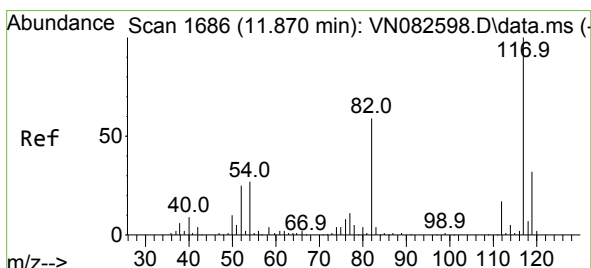
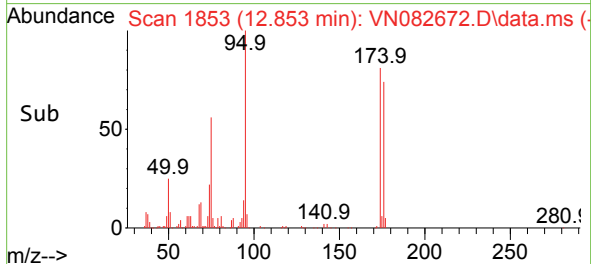
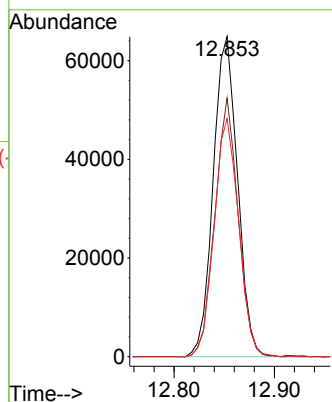
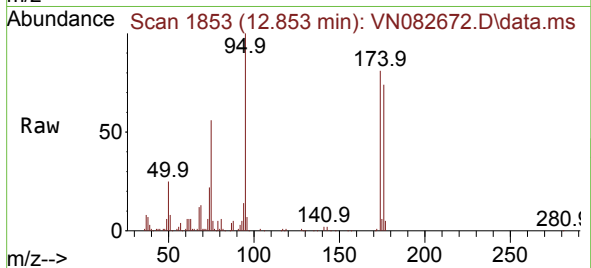




#62
4-Bromofluorobenzene
Concen: 52.826 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

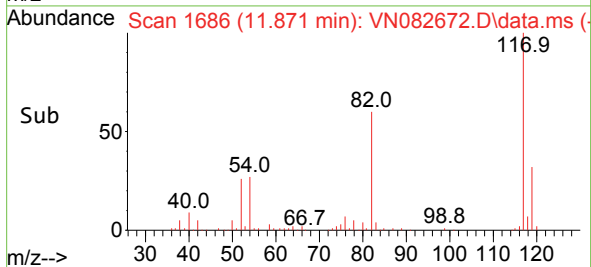
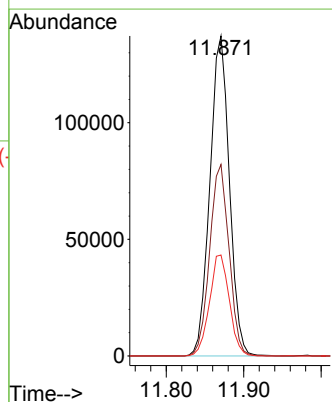
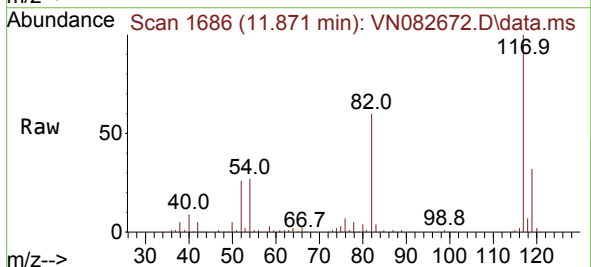
Instrument :
MSVOA_N
ClientSampleId :

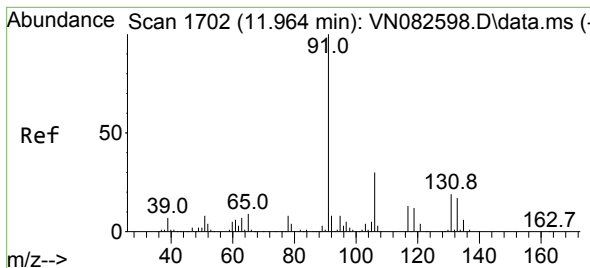
Tgt Ion: 95 Resp: 109122
Ion Ratio Lower Upper
95 100
174 77.6 0.0 159.2
176 74.7 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 117 Resp: 239596
Ion Ratio Lower Upper
117 100
82 59.9 47.5 71.3
119 31.6 25.6 38.4

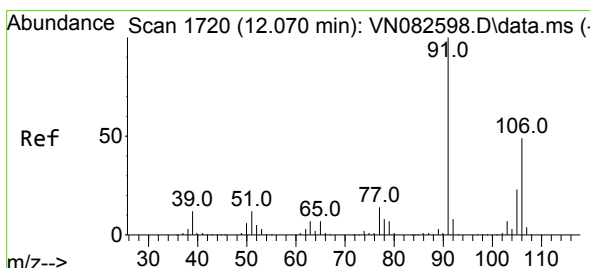
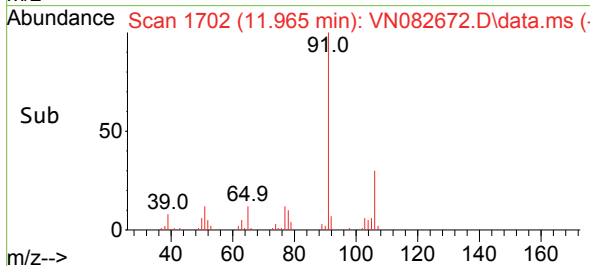
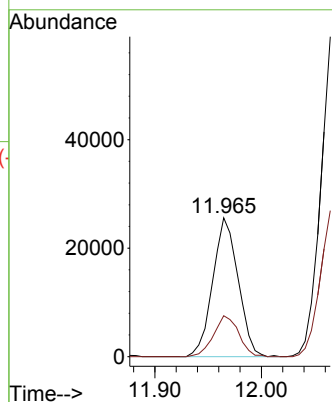
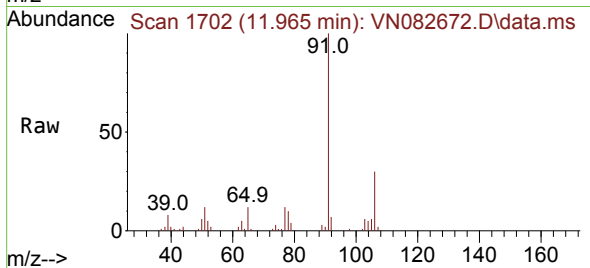




#67
Ethyl Benzene
Concen: 4.528 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

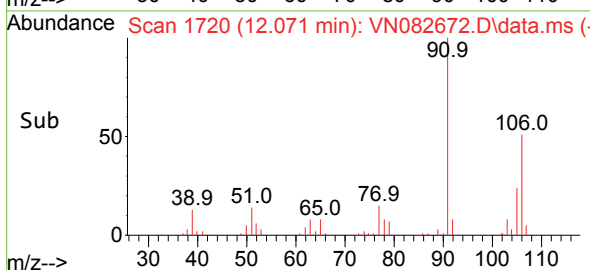
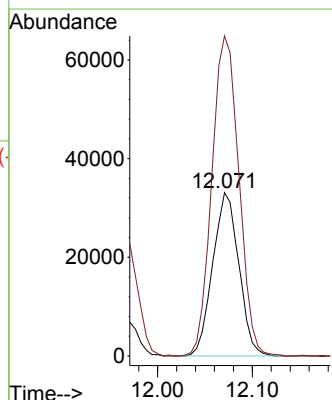
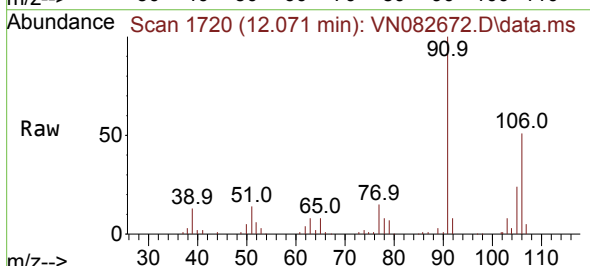
Instrument :
MSVOA_N
ClientSampleId :

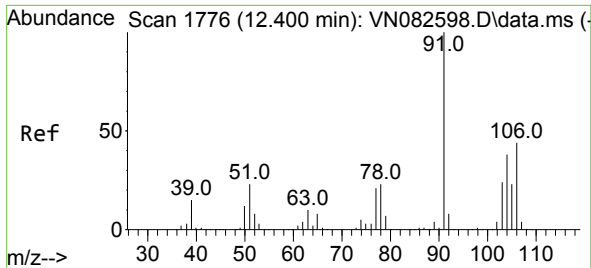
Tgt Ion: 91 Resp: 42388
Ion Ratio Lower Upper
91 100
106 29.5 24.0 36.0



#68
m/p-Xylenes
Concen: 18.194 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion: 106 Resp: 63367
Ion Ratio Lower Upper
106 100
91 202.9 166.1 249.1

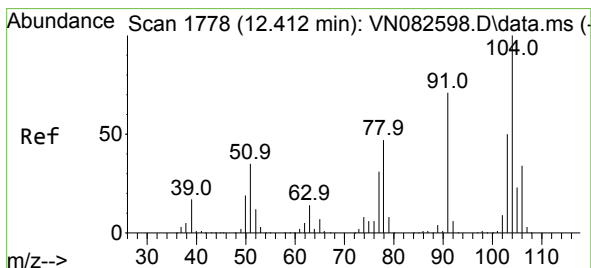
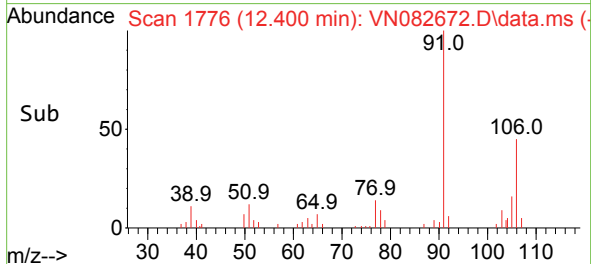
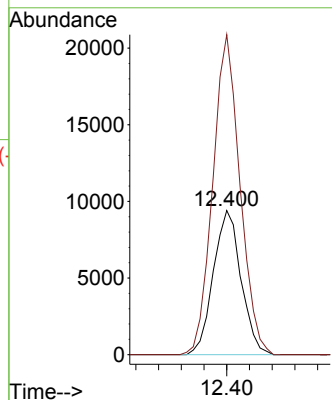
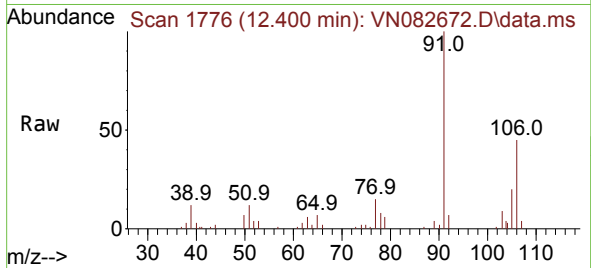




#69
o-Xylene
Concen: 4.862 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

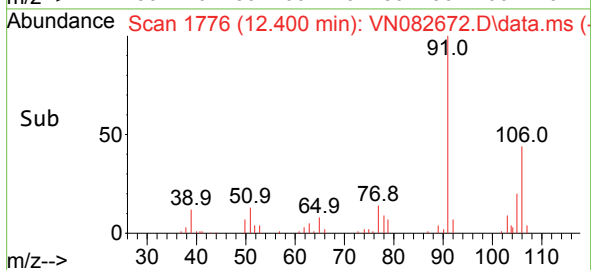
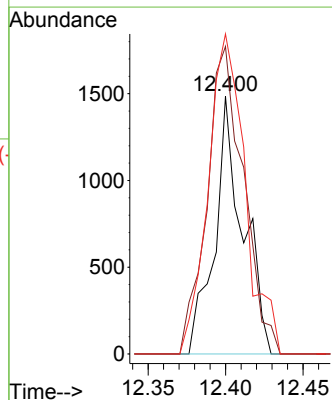
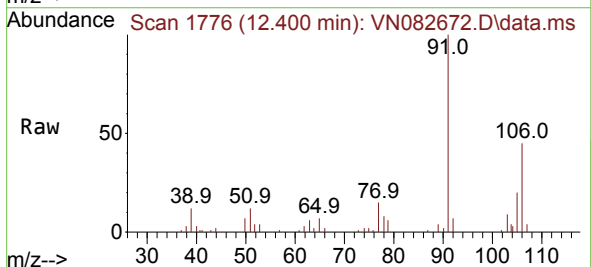
Instrument :
MSVOA_N
ClientSampleId :

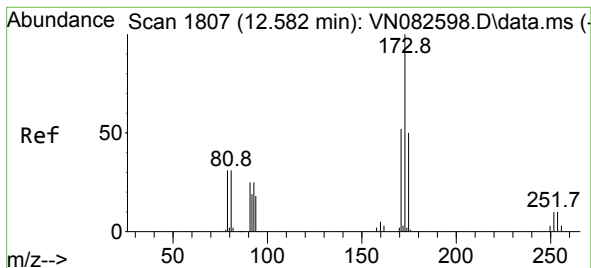
Tgt Ion:106 Resp: 15911
Ion Ratio Lower Upper
106 100
91 217.9 111.3 333.9



#70
Styrene
Concen: 0.338 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.012 min
Lab File: VN082672.D
Acq: 20 Jun 2024 16:50

Tgt Ion:104 Resp: 1879
Ion Ratio Lower Upper
104 100
78 155.2 41.6 62.4#
103 162.8 44.0 66.0#





#71

Bromoform

Concen: 0.391 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

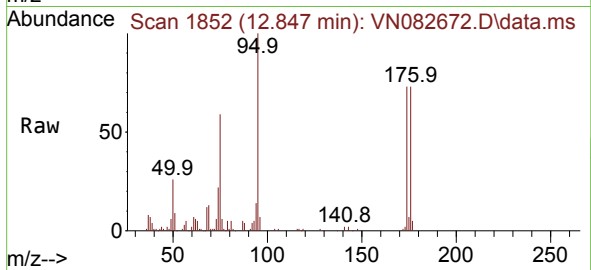
Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

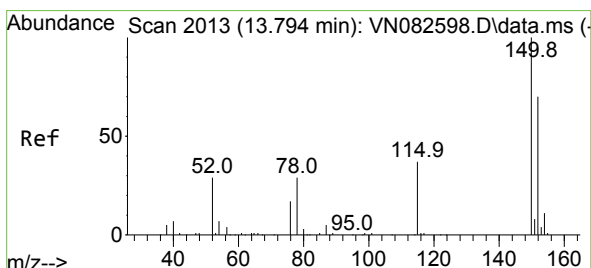
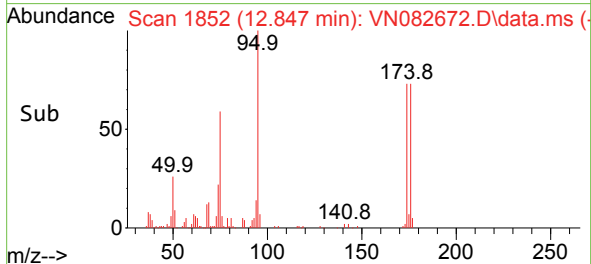
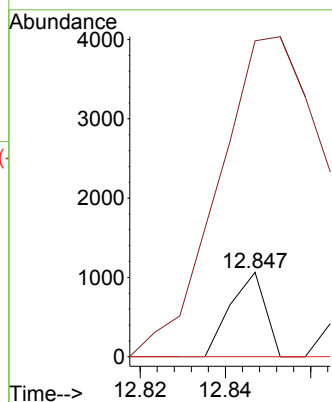
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	606
Ion Ratio	Lower	Upper	
173	100		
175	957.6	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

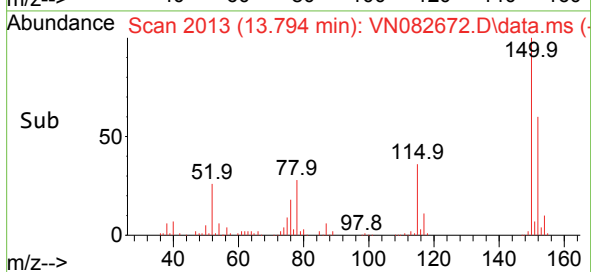
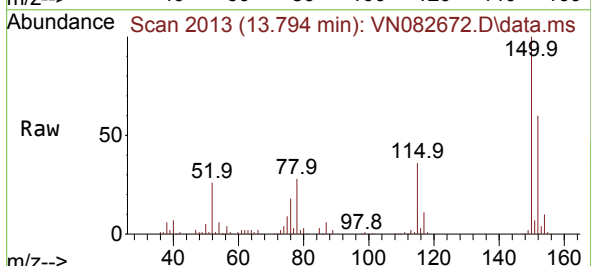
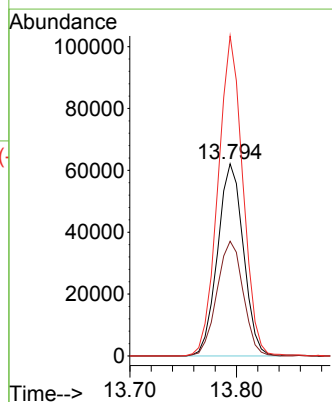
RT: 13.794 min Scan# 2013

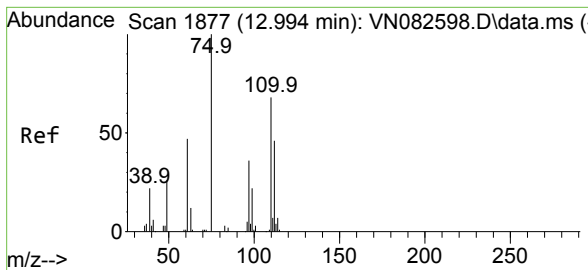
Delta R.T. 0.000 min

Lab File: VN082672.D

Acq: 20 Jun 2024 16:50

Tgt Ion:	152	Resp:	104449
Ion Ratio	Lower	Upper	
152	100		
115	60.7	30.6	91.6
150	160.6	0.0	348.6

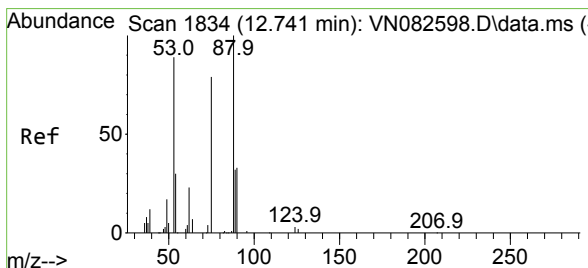
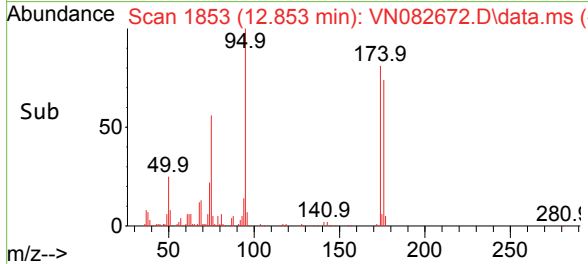
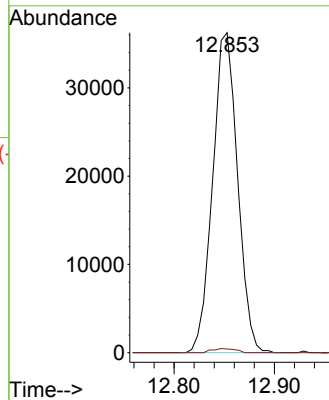
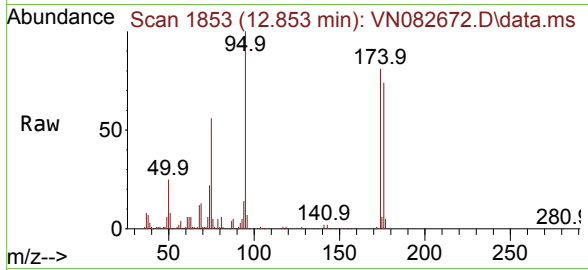




#76
 1,2,3-Trichloropropane
 Concen: 24.440 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082672.D
 Acq: 20 Jun 2024 16:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 62435
 Ion Ratio Lower Upper
 75 100
 77 1.2 110.9 332.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.470 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN082672.D
 Acq: 20 Jun 2024 16:50

Tgt Ion: 75 Resp: 62435
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

