

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070124\
 Data File : VN082772.D
 Acq On : 01 Jul 2024 17:53
 Operator : JC\MD
 Sample : PB161815ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 00:11:29 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)

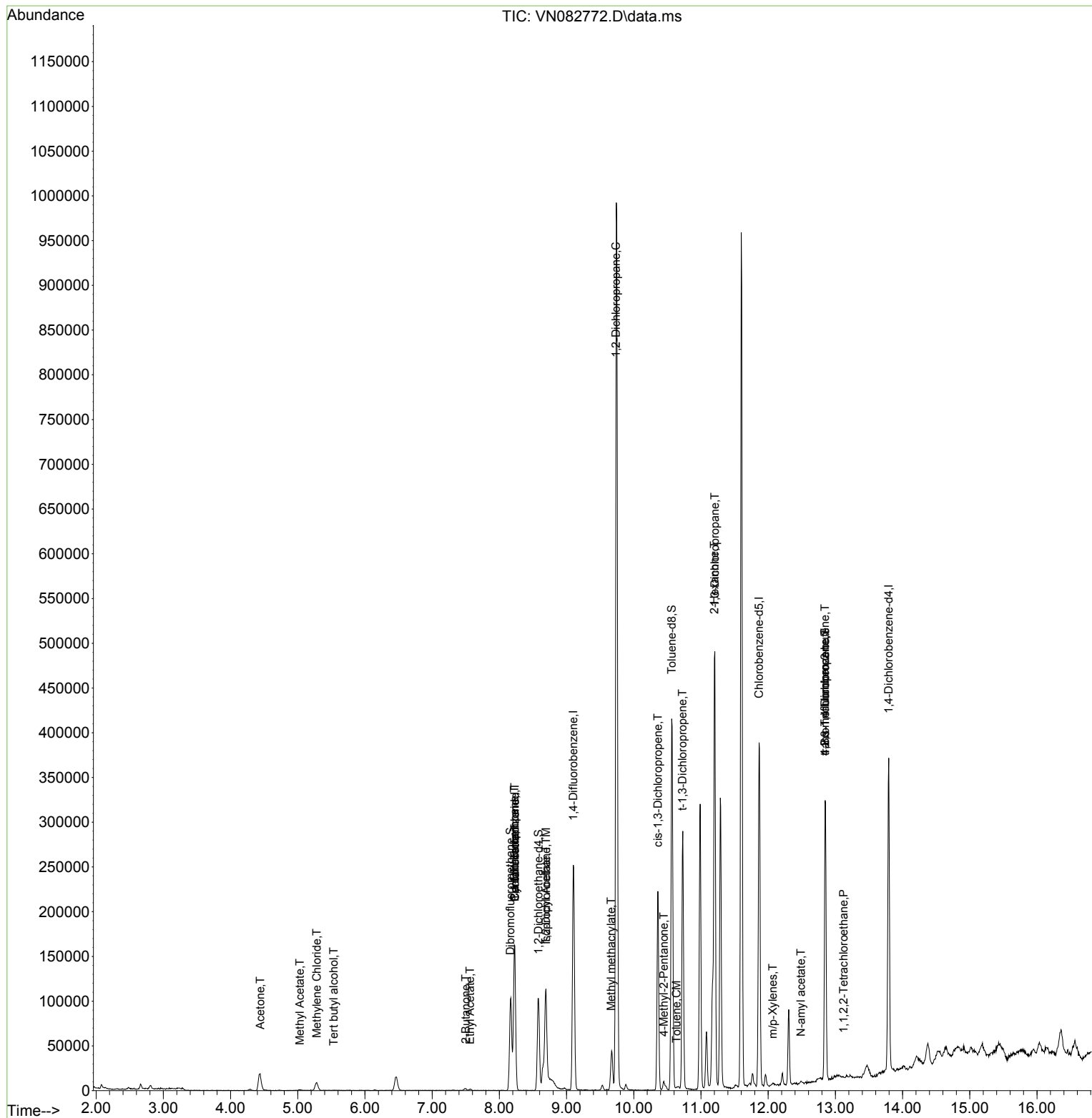
Internal Standards						
1) Pentafluorobenzene	8.230	168	116288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	219698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	88743	49.485	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.960%
35) Dibromofluoromethane	8.165	113	73295	50.671	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.340%
50) Toluene-d8	10.565	98	280532	51.859	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.720%
62) 4-Bromofluorobenzene	12.847	95	106378	57.262	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	114.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	71	0.248	ug/l #	71
16) Acetone	4.442	43	38339	56.426	ug/l	100
18) Methyl Acetate	5.030	43	1523	0.843	ug/l #	64
20) Methylene Chloride	5.283	84	7043	4.096	ug/l #	71
25) 2-Butanone	7.500	43	4180	4.027	ug/l	93
31) Cyclohexane	8.230	56	2935	1.162	ug/l #	15
36) 1,1-Dichloropropene	8.224	75	9852	4.739	ug/l #	51
37) Ethyl Acetate	7.565	43	2789	1.241	ug/l #	82
38) Carbon Tetrachloride	8.230	117	13098	5.386	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	766	0.313	ug/l #	78
43) Isopropyl Acetate	8.694	43	175782	44.890	ug/l #	84
45) 1,2-Dichloropropane	9.735	63	1161	0.702	ug/l #	44
48) Methyl methacrylate	9.665	41	2923	1.690	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	9647	4.197	ug/l #	83
52) Toluene	10.635	92	916	0.229	ug/l	96
53) t-1,3-Dichloropropene	10.724	75	721	0.310	ug/l #	66
54) cis-1,3-Dichloropropene	10.359	75	39242	16.040	ug/l #	59
57) 1,3-Dichloropropane	11.206	76	5165	1.892	ug/l #	43
59) 2-Hexanone	11.200	43	67031	39.333	ug/l #	57
68) m/p-Xylenes	12.070	106	748	0.244	ug/l #	1
74) N-amyl acetate	12.488	43	2110	0.713	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	13.123	83	468	0.201	ug/l	92
76) 1,2,3-Trichloropropane	12.847	75	58050	29.259	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58050	76.304	ug/l #	6

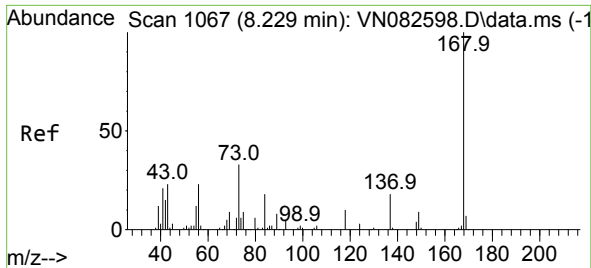
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

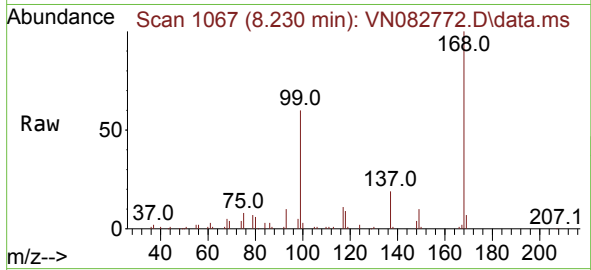
Quant Time: Jul 02 00:11:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
Response via : Initial Calibration



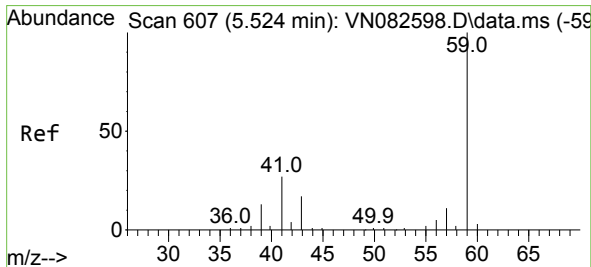
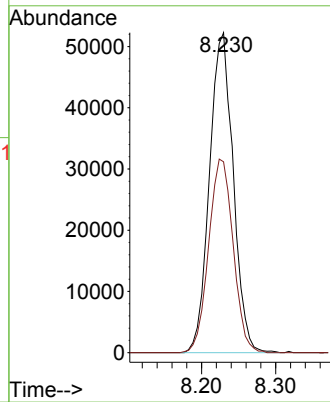
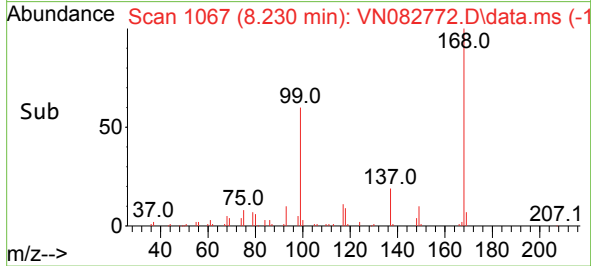


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

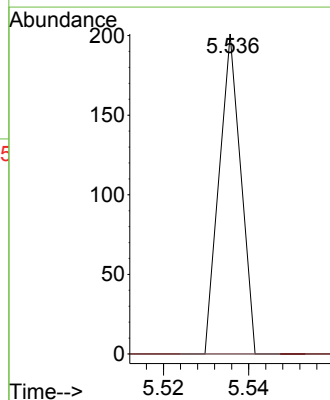
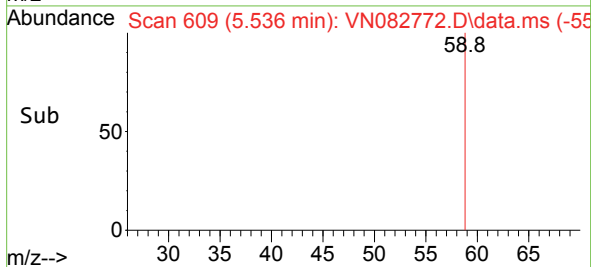
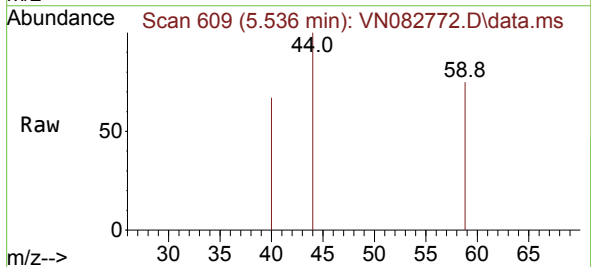


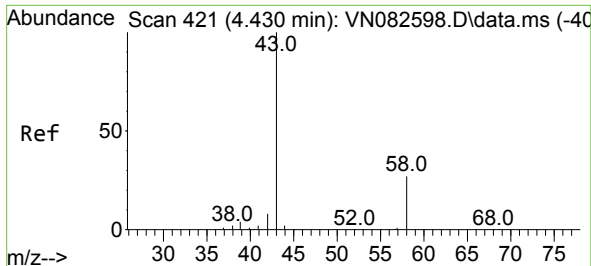
Tgt Ion:168 Resp: 116288
Ion Ratio Lower Upper
168 100
99 59.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.248 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

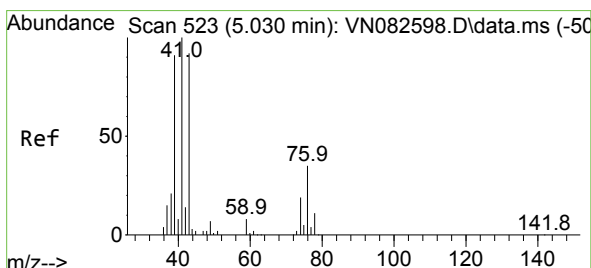
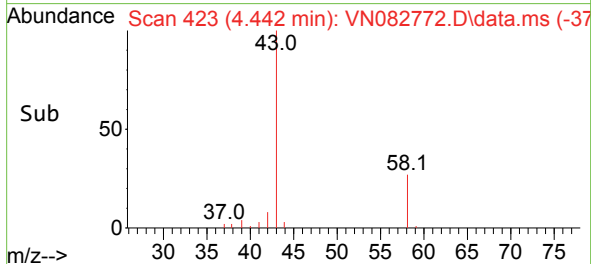
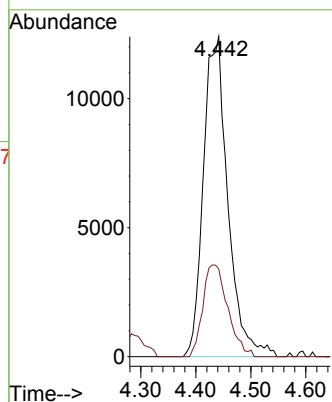
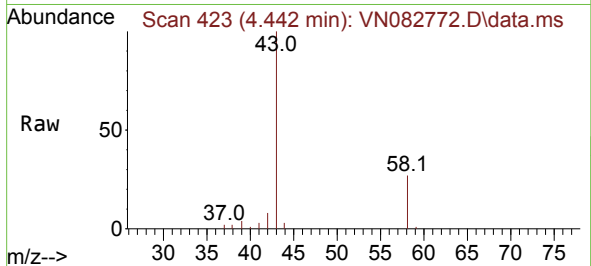




#16
Acetone
Concen: 56.426 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

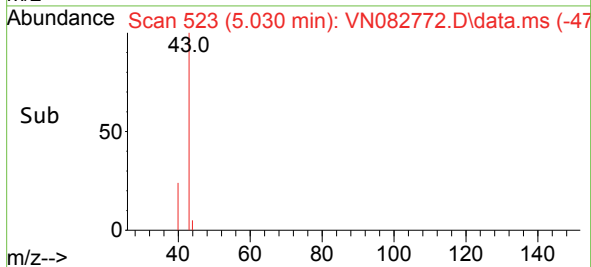
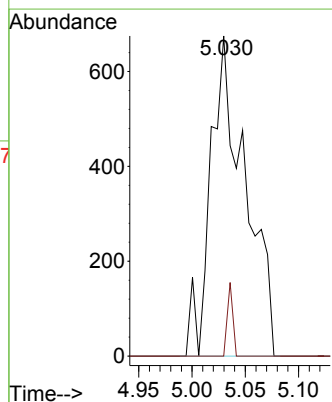
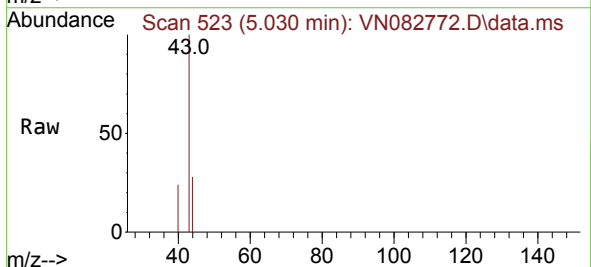
Instrument :
MSVOA_N
ClientSampleId :

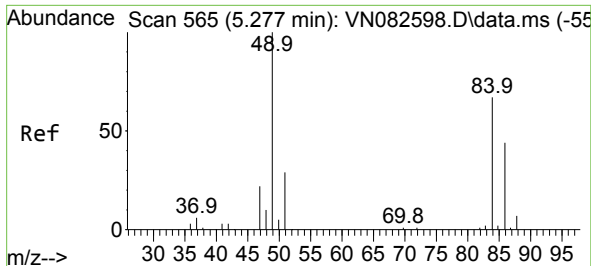
Tgt Ion: 43 Resp: 38339
Ion Ratio Lower Upper
43 100
58 27.4 21.8 32.6



#18
Methyl Acetate
Concen: 0.843 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

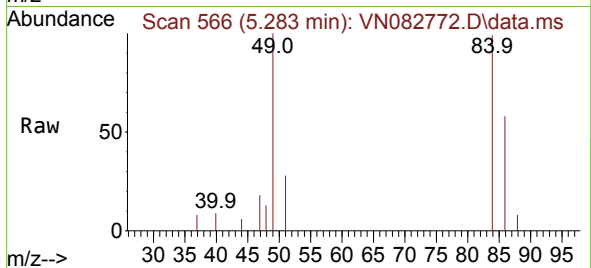
Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
74 3.6 16.3 24.5#



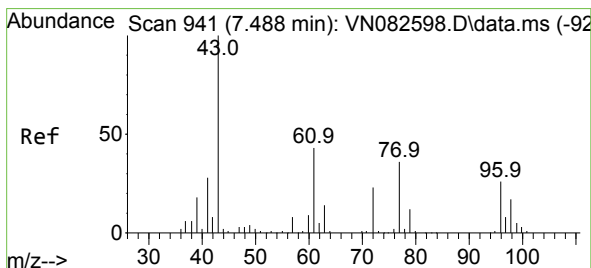
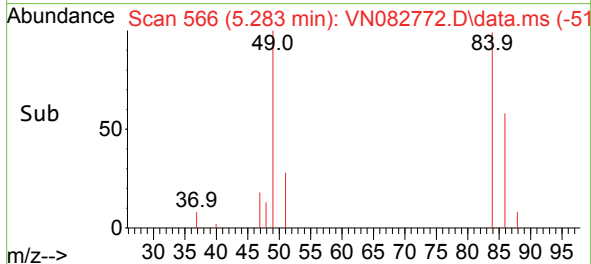
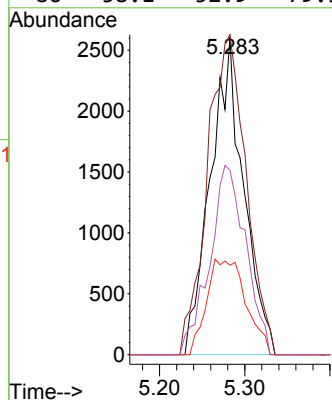


#20
Methylene Chloride
Concen: 4.096 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

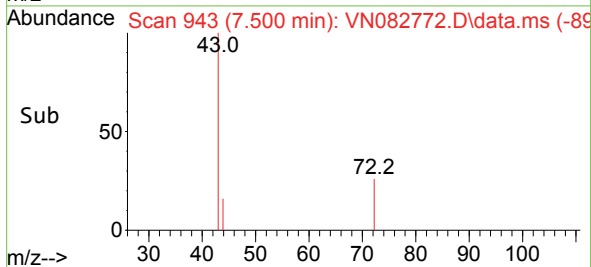
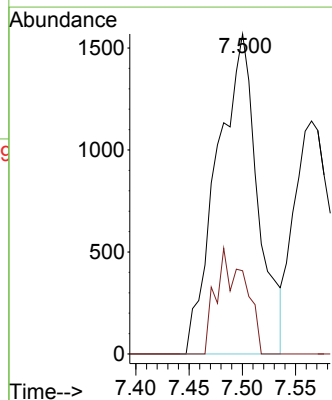
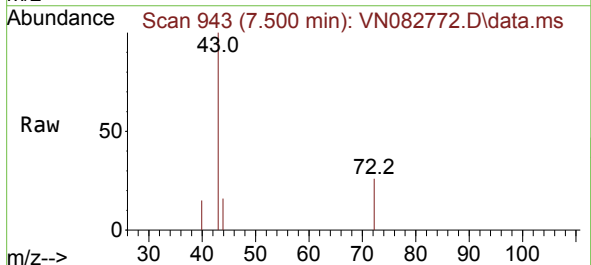


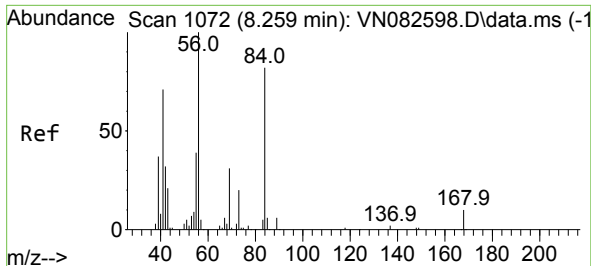
Tgt Ion: 84 Resp: 7043
Ion Ratio Lower Upper
84 100
49 100.8 119.6 179.4#
51 28.2 34.8 52.2#
86 58.1 52.9 79.3



#25
2-Butanone
Concen: 4.027 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

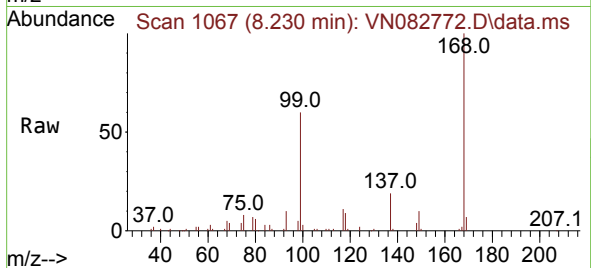
Tgt Ion: 43 Resp: 4180
Ion Ratio Lower Upper
43 100
72 26.0 18.2 27.2



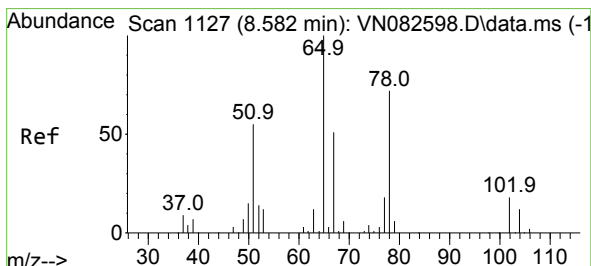
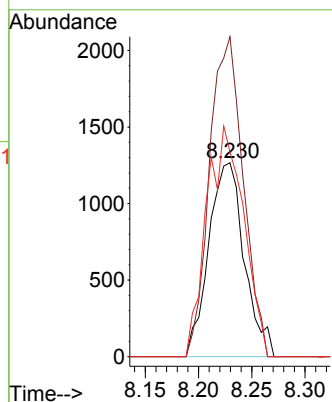
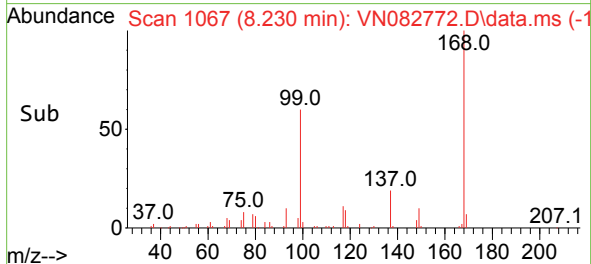


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

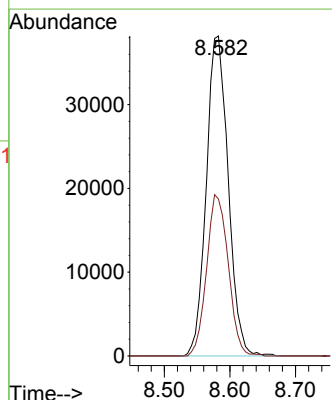
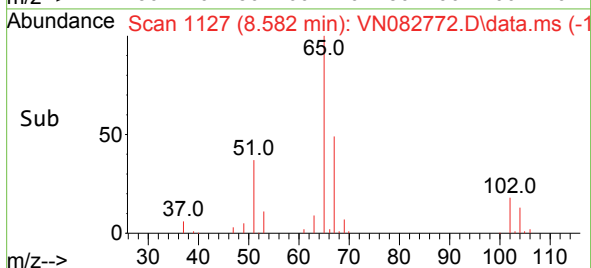
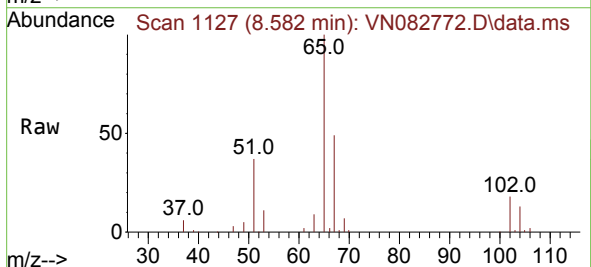


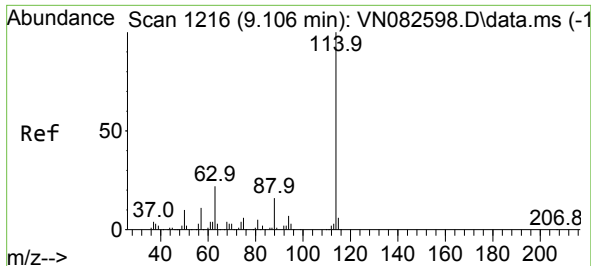
Tgt Ion: 56 Resp: 2935
Ion Ratio Lower Upper
56 100
69 165.1 24.5 36.7#
84 105.6 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 49.485 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Tgt Ion: 65 Resp: 88743
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN082772.D

Acq: 01 Jul 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

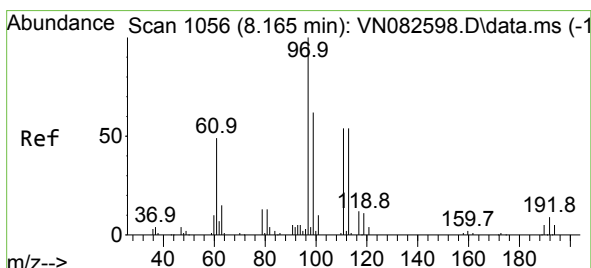
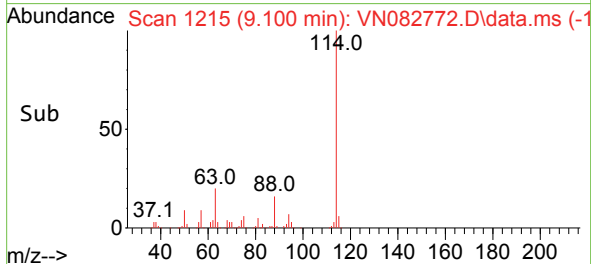
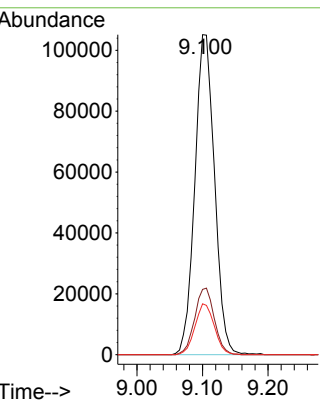
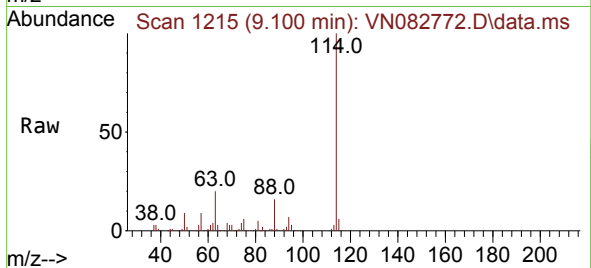
Tgt Ion:114 Resp: 219698

Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.6

88 15.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.671 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082772.D

Acq: 01 Jul 2024 17:53

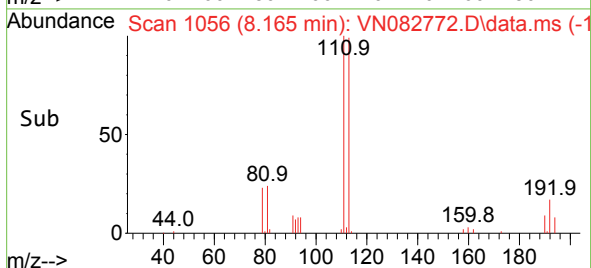
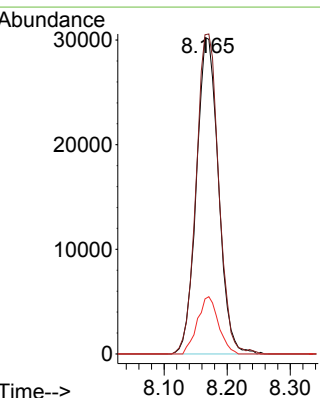
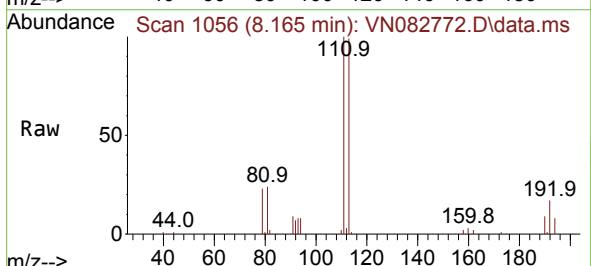
Tgt Ion:113 Resp: 73295

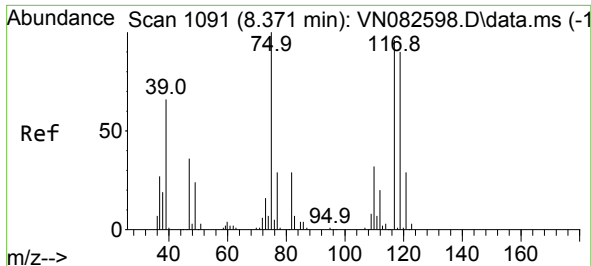
Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

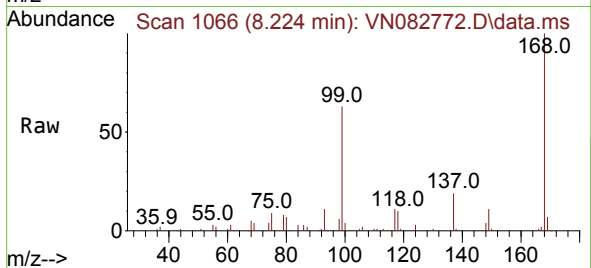
192 17.3 14.9 22.3



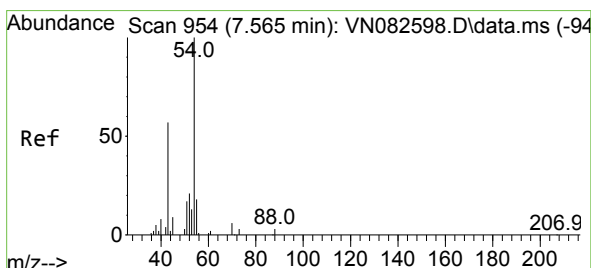
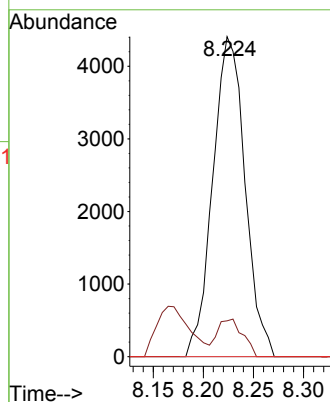
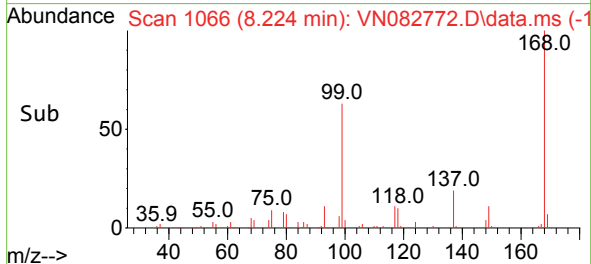


#36
1,1-Dichloropropene
Concen: 4.739 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Instrument :
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ClientSampleId :

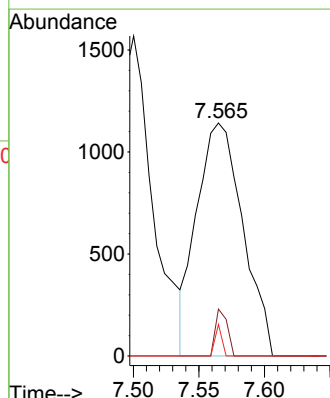
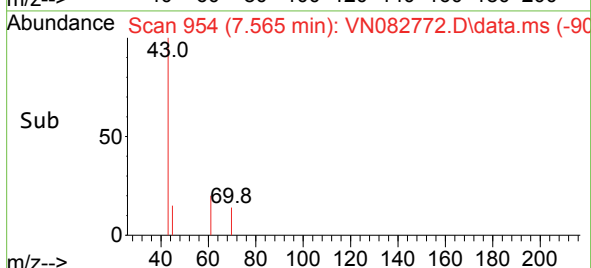
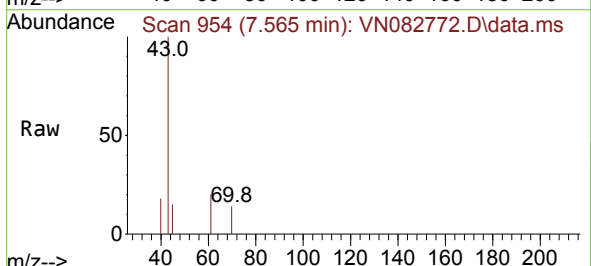


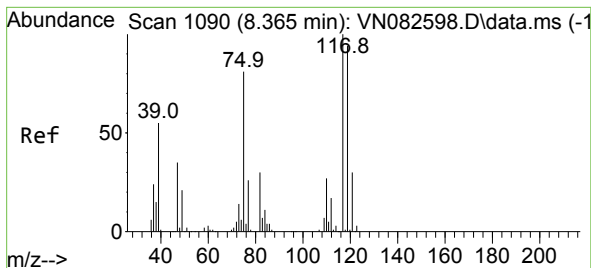
Tgt Ion: 75 Resp: 9852
Ion Ratio Lower Upper
75 100
110 9.2 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.241 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Tgt Ion: 43 Resp: 2789
Ion Ratio Lower Upper
43 100
61 5.2 9.3 13.9#
70 2.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.386 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

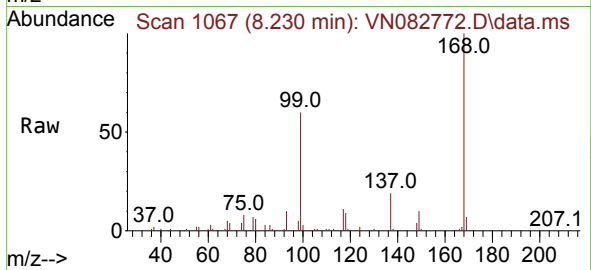
Lab File: VN082772.D

Acq: 01 Jul 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :



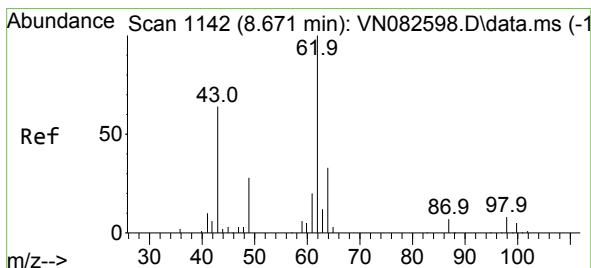
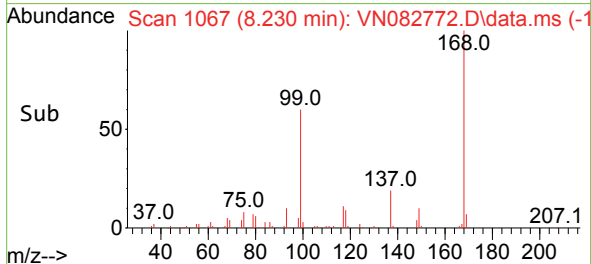
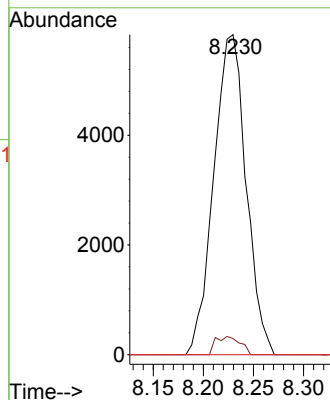
Tgt Ion:117 Resp: 13098

Ion Ratio Lower Upper

117 100

119 5.1 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.313 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN082772.D

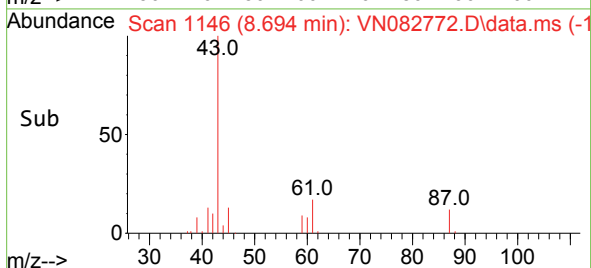
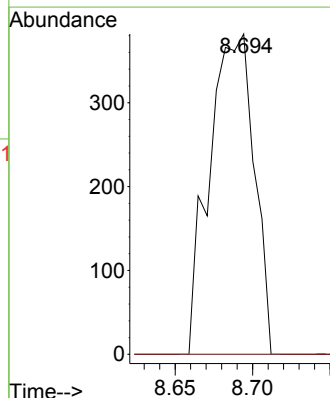
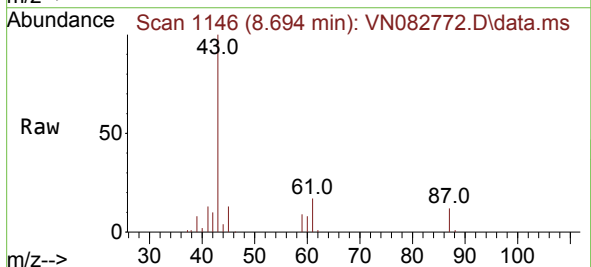
Acq: 01 Jul 2024 17:53

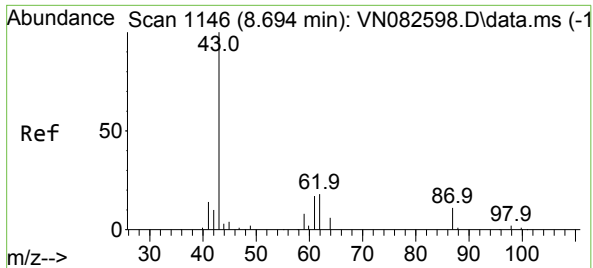
Tgt Ion: 62 Resp: 766

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

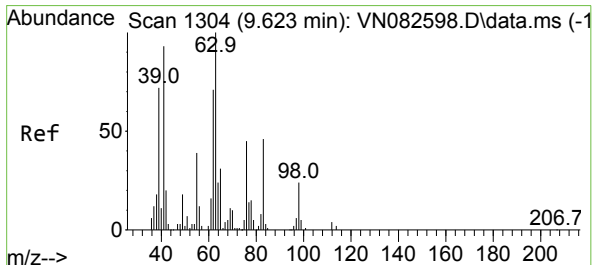
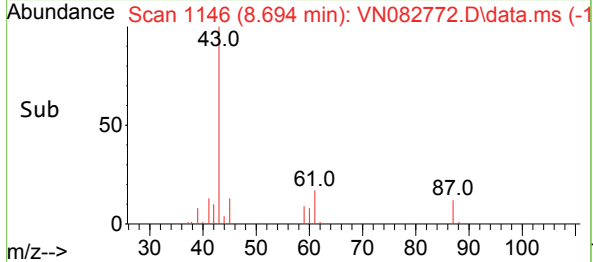
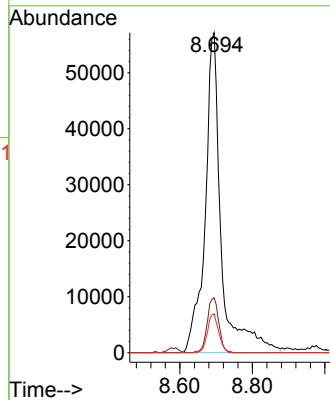
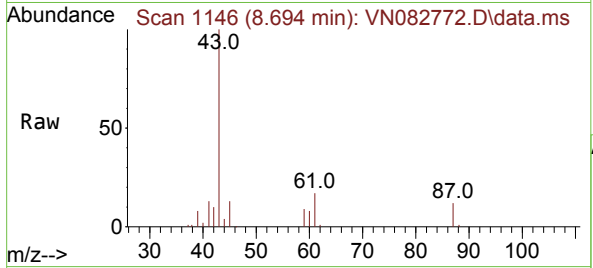




#43
Isopropyl Acetate
Concen: 44.890 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

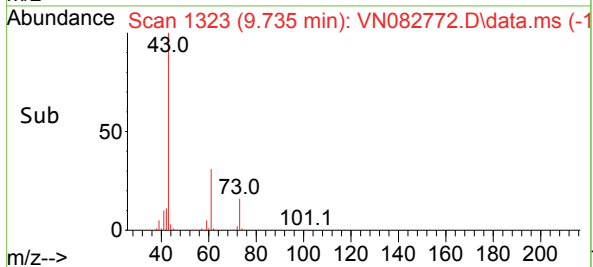
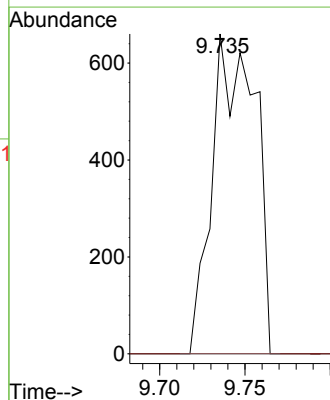
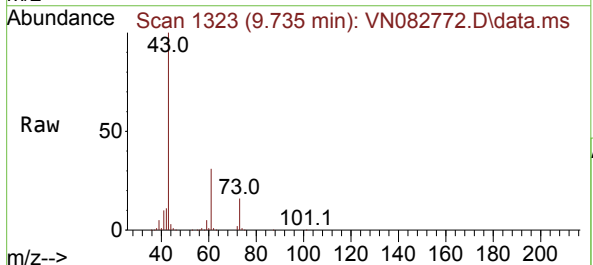
Instrument :
MSVOA_N
ClientSampleId :

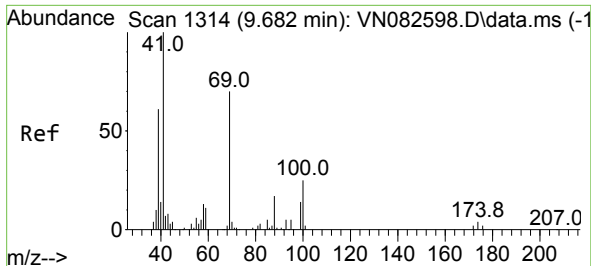
Tgt Ion: 43 Resp: 175782
Ion Ratio Lower Upper
43 100
61 12.3 17.8 26.6#
87 8.4 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.702 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Tgt Ion: 63 Resp: 1161
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

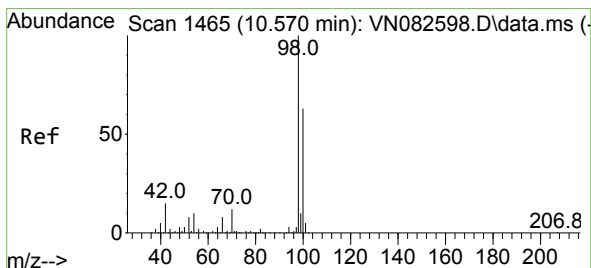
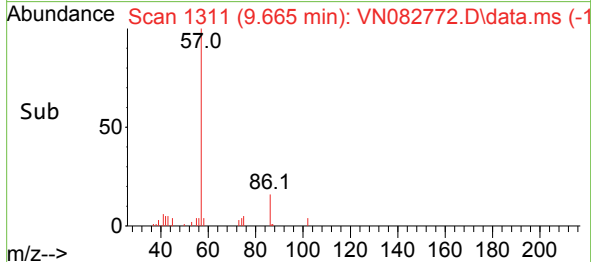
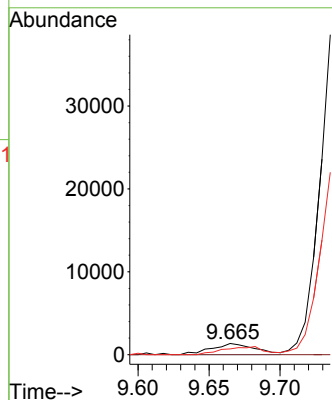
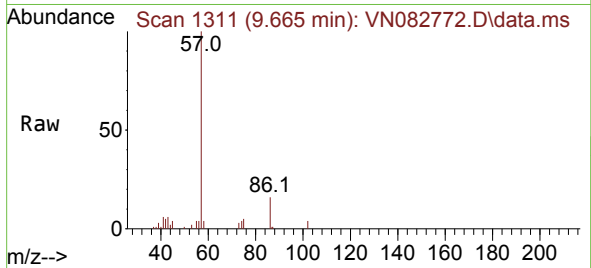




#48
Methyl methacrylate
Concen: 1.690 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

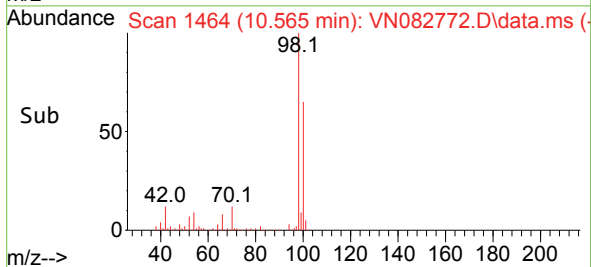
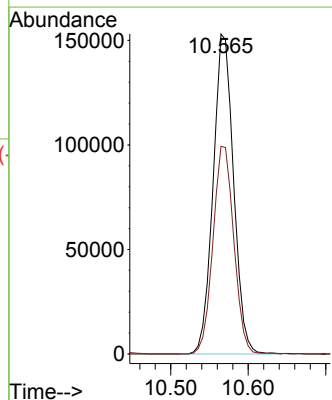
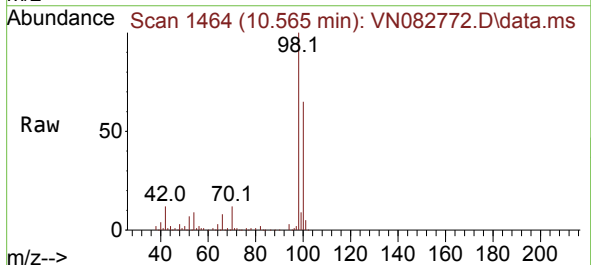
Instrument :
MSVOA_N
ClientSampleId :

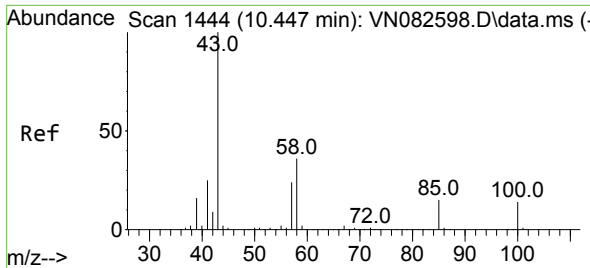
Tgt Ion: 41 Resp: 2923
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 66.6 50.3 75.5



#50
Toluene-d8
Concen: 51.859 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.005 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Tgt Ion: 98 Resp: 280532
Ion Ratio Lower Upper
98 100
100 66.1 51.5 77.3

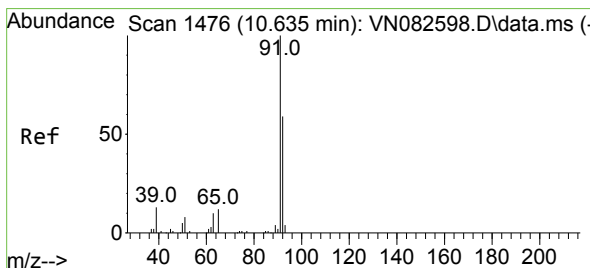
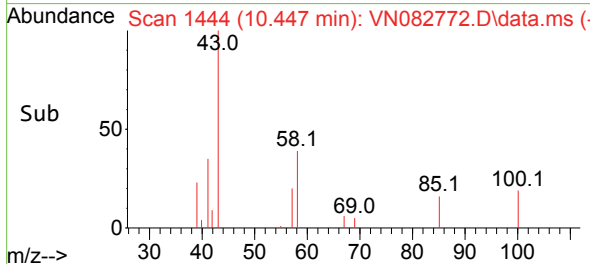
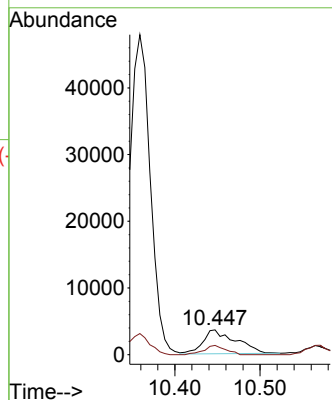
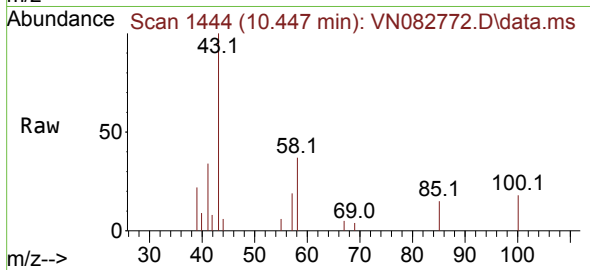




#51
4-Methyl-2-Pentanone
Concen: 4.197 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

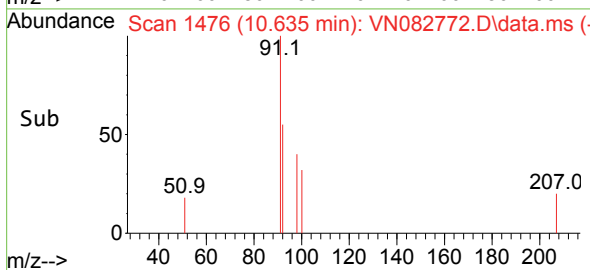
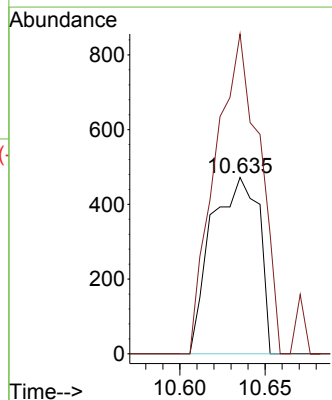
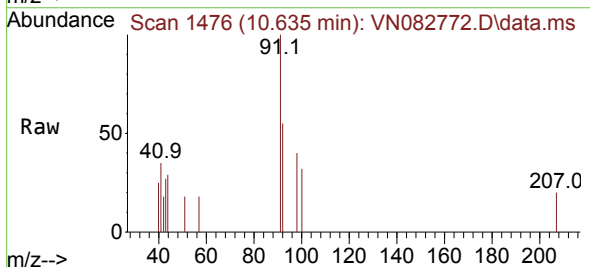
Instrument :
MSVOA_N
ClientSampleId :

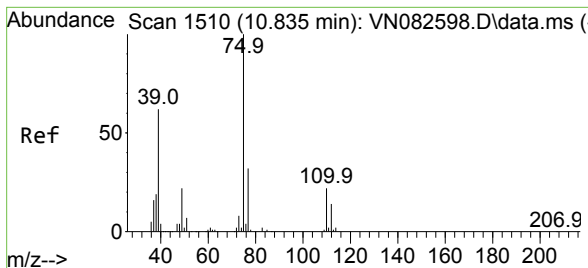
Tgt Ion: 43 Resp: 9647
Ion Ratio Lower Upper
43 100
58 25.6 28.2 42.4#



#52
Toluene
Concen: 0.229 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

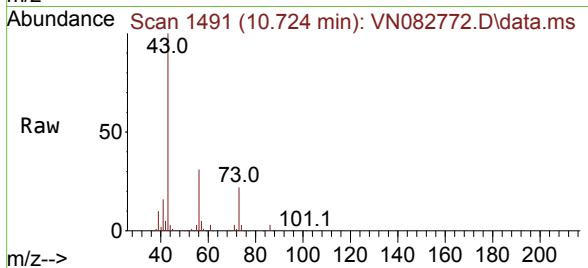
Tgt Ion: 92 Resp: 916
Ion Ratio Lower Upper
92 100
91 168.6 139.4 209.0



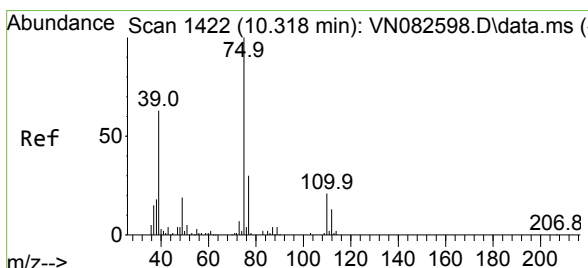
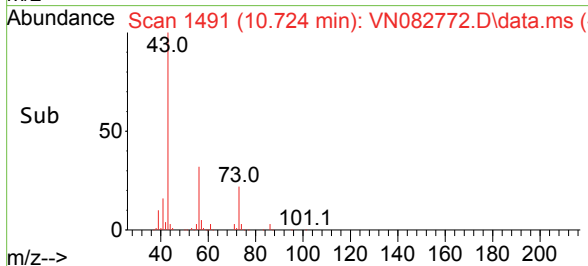
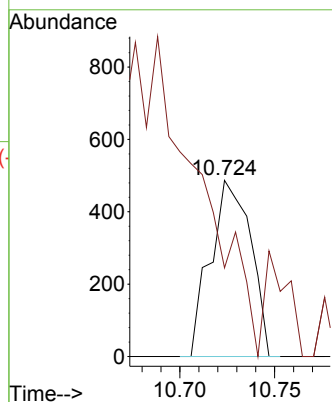


#53
 t-1,3-Dichloropropene
 Concen: 0.310 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.111 min
 Lab File: VN082772.D
 Acq: 01 Jul 2024 17:53

Instrument :
 MSVOA_N
 ClientSampleId :

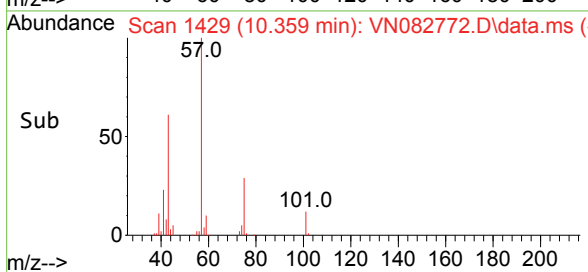
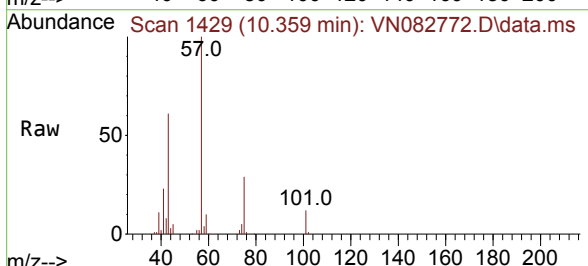
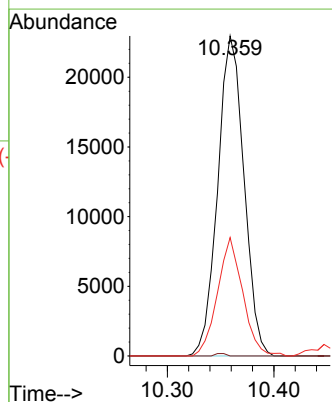


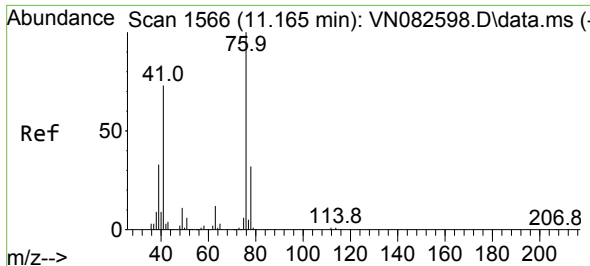
Tgt Ion: 75 Resp: 721
 Ion Ratio Lower Upper
 75 100
 77 13.3 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 16.040 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082772.D
 Acq: 01 Jul 2024 17:53

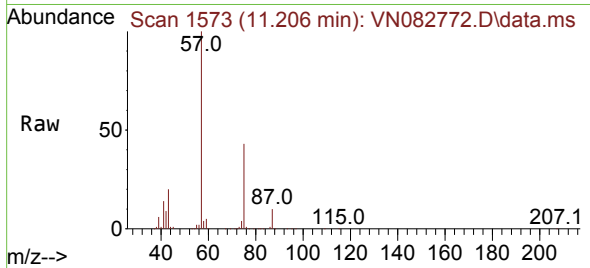
Tgt Ion: 75 Resp: 39242
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 37.0 50.5 75.7#



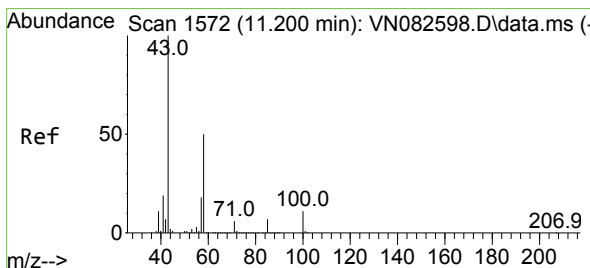
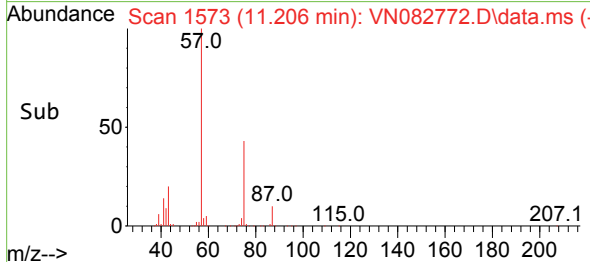
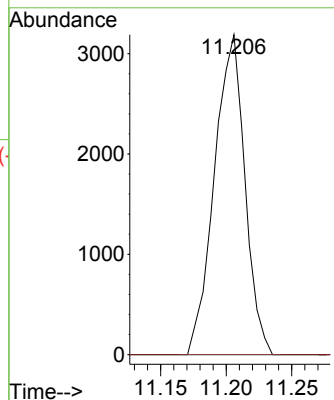


#57
1,3-Dichloropropane
Concen: 1.892 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

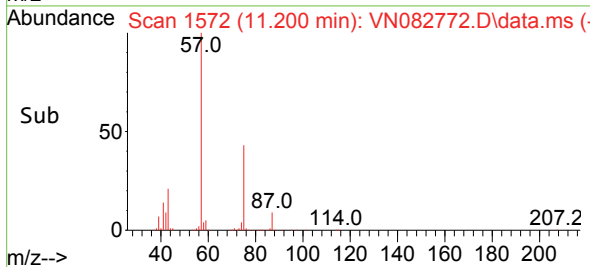
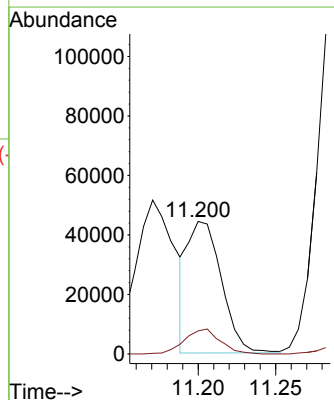
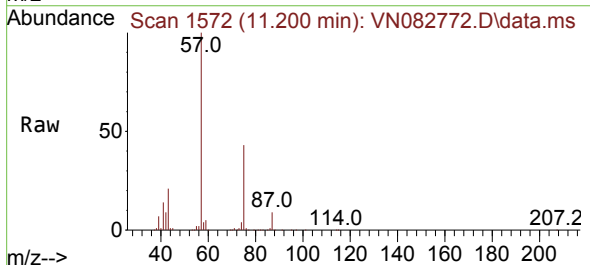


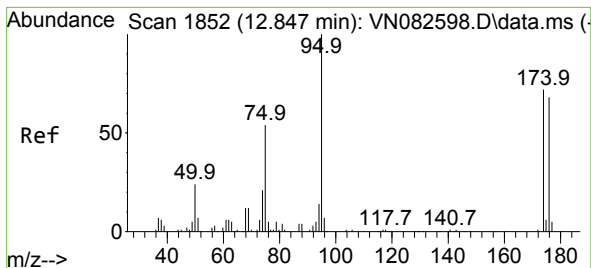
Tgt Ion: 76 Resp: 5165
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 39.333 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Tgt Ion: 43 Resp: 67031
Ion Ratio Lower Upper
43 100
58 20.0 24.6 73.8#

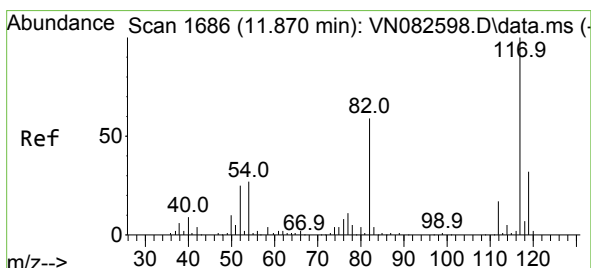
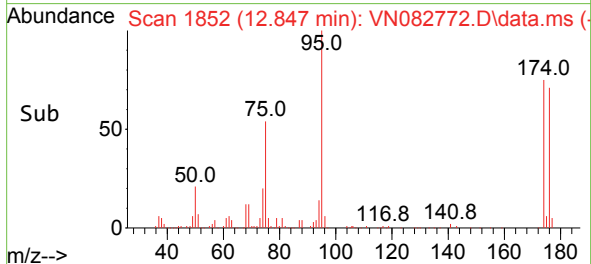
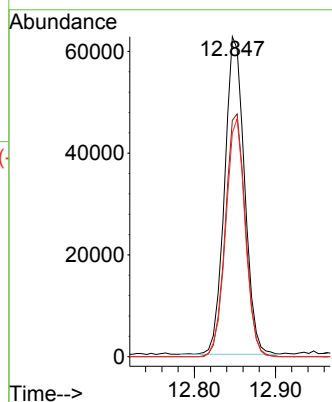
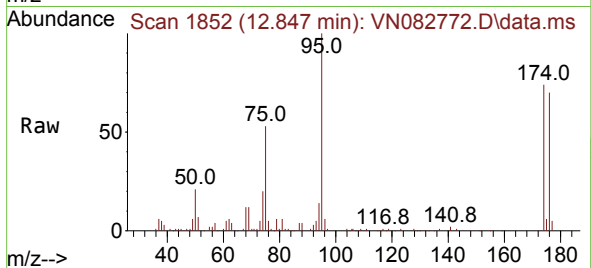




#62
4-Bromofluorobenzene
Concen: 57.262 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

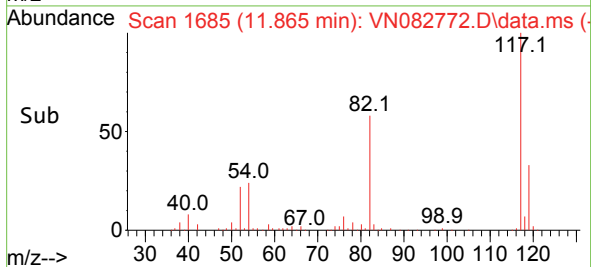
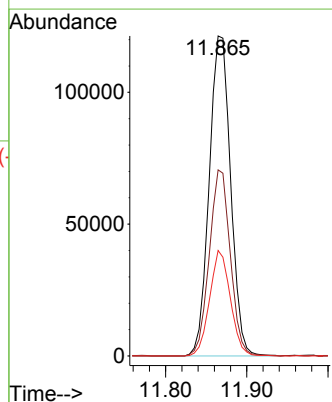
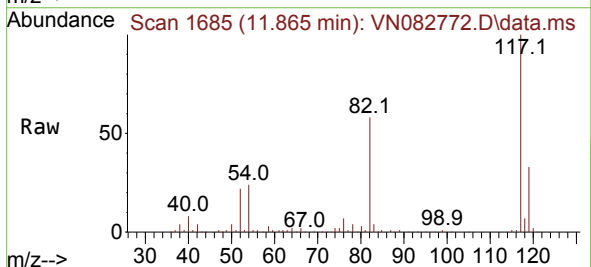
Instrument :
MSVOA_N
ClientSampleId :

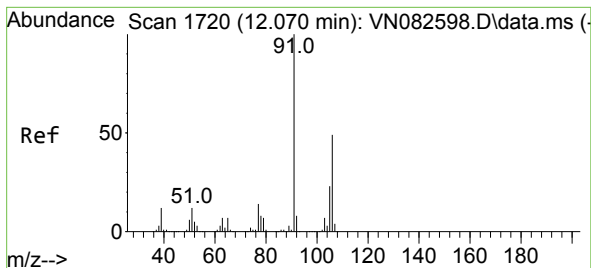
Tgt Ion: 95 Resp: 106378
Ion Ratio Lower Upper
95 100
174 76.7 0.0 159.2
176 73.5 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Tgt Ion: 117 Resp: 222416
Ion Ratio Lower Upper
117 100
82 58.2 47.5 71.3
119 33.0 25.6 38.4

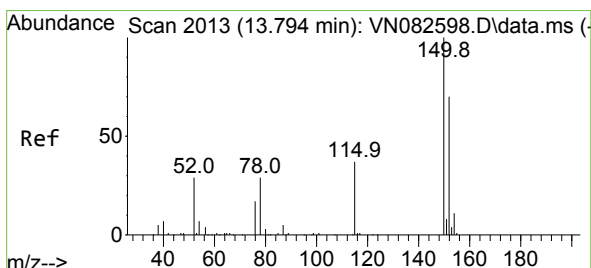
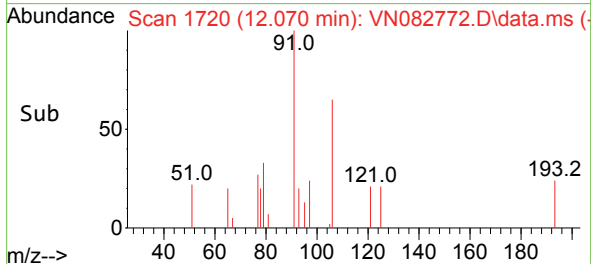
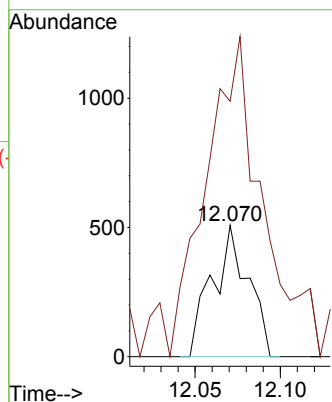
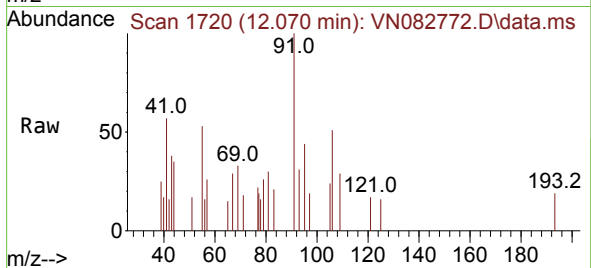




#68
m/p-Xylenes
Concen: 0.244 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

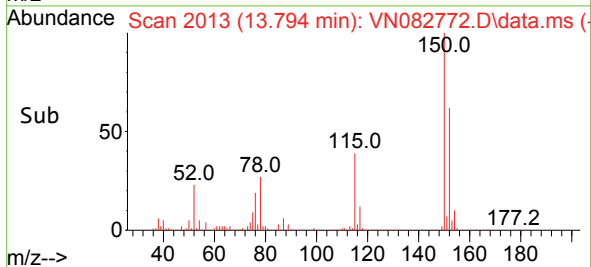
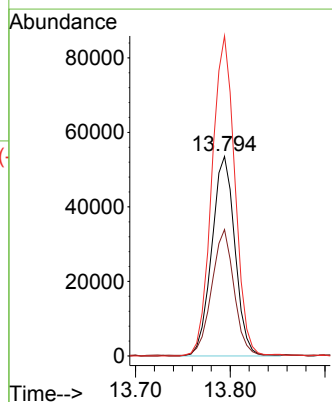
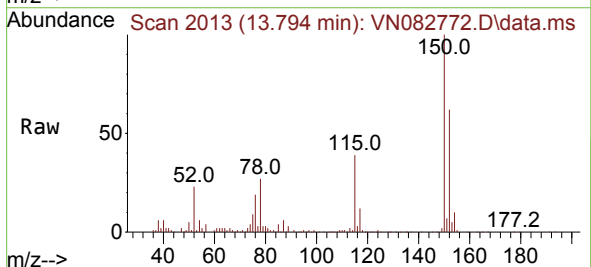
Instrument :
MSVOA_N
ClientSampleId :

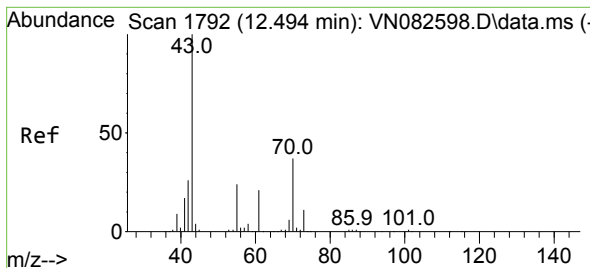
Tgt Ion:106 Resp: 748
Ion Ratio Lower Upper
106 100
91 397.9 166.1 249.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Tgt Ion:152 Resp: 90959
Ion Ratio Lower Upper
152 100
115 60.6 30.6 91.6
150 159.4 0.0 348.6





#74

N-ethyl acetate

Concen: 0.713 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

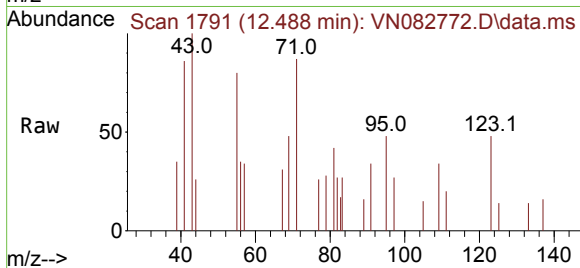
Lab File: VN082772.D

Acq: 01 Jul 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 2110

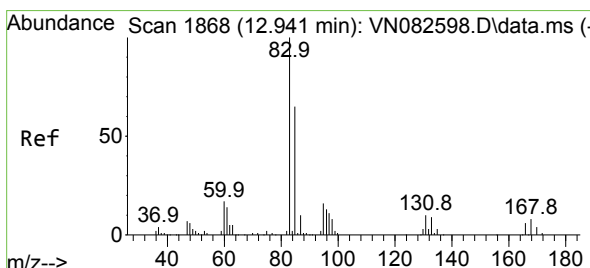
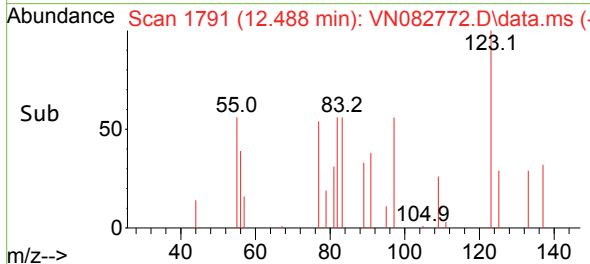
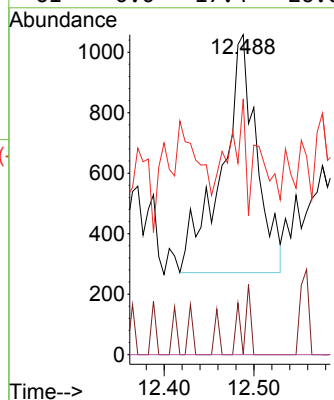
Ion Ratio Lower Upper

43 100

70 2.8 29.8 44.6#

55 24.1 18.7 28.1

61 0.0 17.4 26.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.201 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.182 min

Lab File: VN082772.D

Acq: 01 Jul 2024 17:53

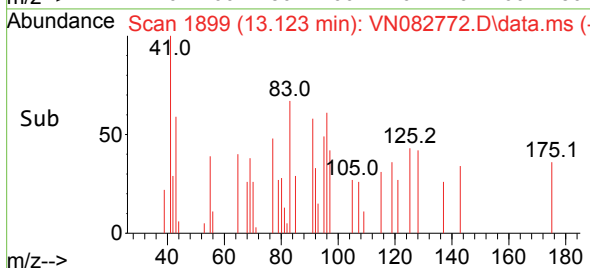
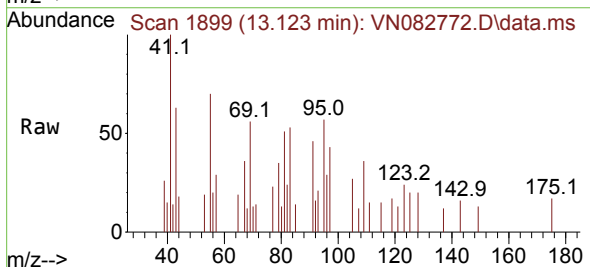
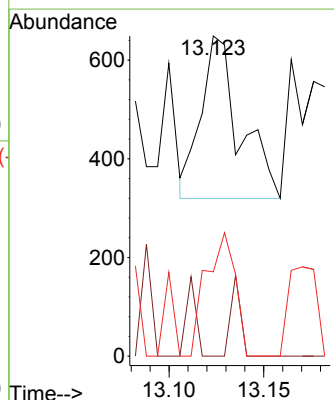
Tgt Ion: 83 Resp: 468

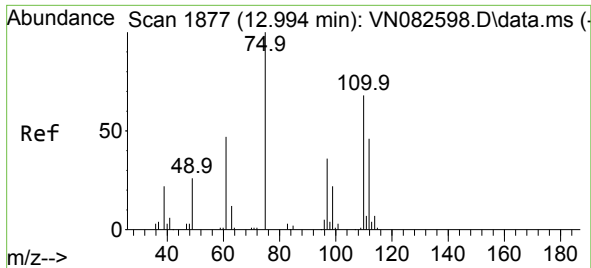
Ion Ratio Lower Upper

83 100

131 12.4 5.0 14.9

85 57.5 31.9 95.7

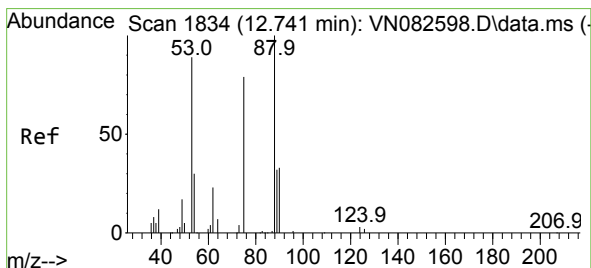
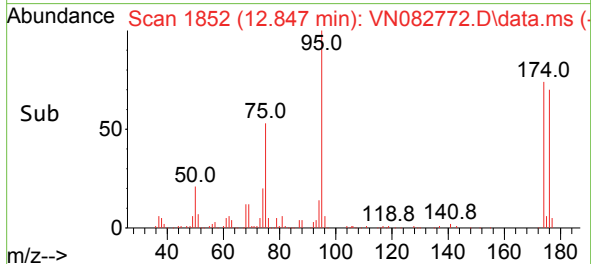
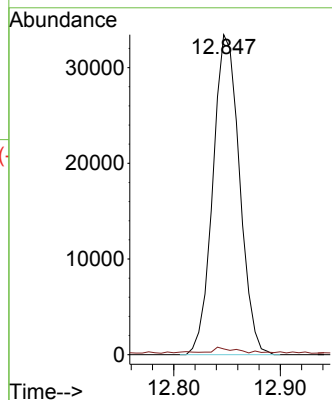
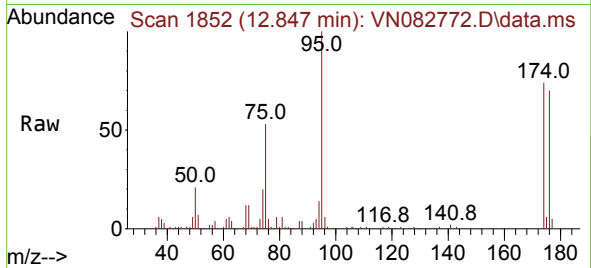




#76
1,2,3-Trichloropropane
Concen: 29.259 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 58050
Ion Ratio Lower Upper
75 100
77 1.4 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.304 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082772.D
Acq: 01 Jul 2024 17:53

Tgt Ion: 75 Resp: 58050
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

