

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071124\
 Data File : VN082872.D
 Acq On : 11 Jul 2024 13:31
 Operator : JC\MD
 Sample : P3187-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 12 01:06:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

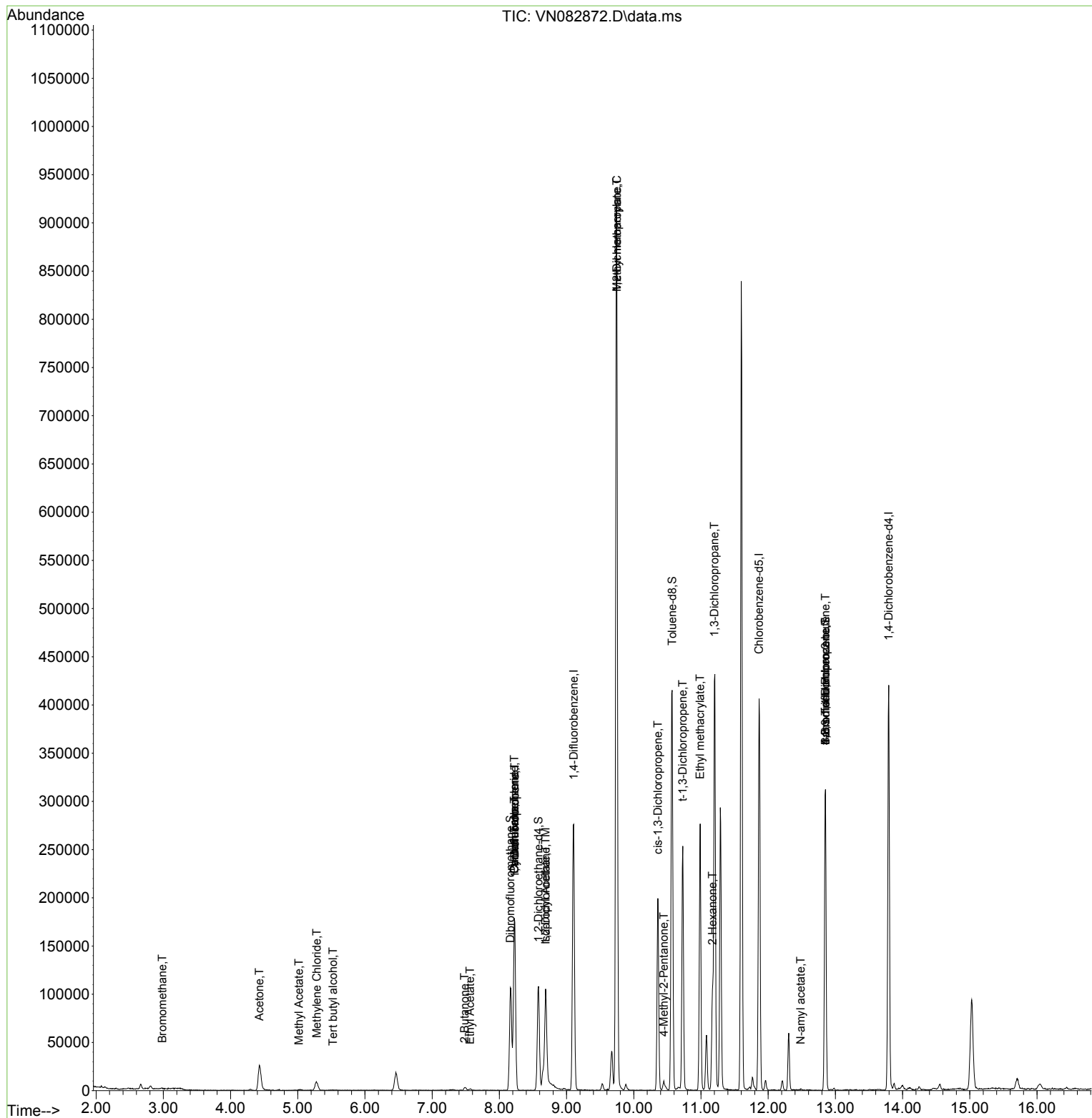
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	126796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	237804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	90986	51.190	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.380%	
35) Dibromofluoromethane	8.165	113	75692	49.604	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.200%	
50) Toluene-d8	10.571	98	284309	50.445	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.900%	
62) 4-Bromofluorobenzene	12.853	95	104701	51.717	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 103.440%	
Target Compounds						Qvalue
5) Bromomethane	2.983	94	367	0.311	ug/l #	64
11) Tert butyl alcohol	5.524	59	316	1.057	ug/l #	71
16) Acetone	4.430	43	51393	82.126	ug/l	97
18) Methyl Acetate	5.018	43	529	0.319	ug/l #	89
20) Methylene Chloride	5.283	84	7201	4.765	ug/l #	71
25) 2-Butanone	7.482	43	5361	5.674	ug/l #	85
31) Cyclohexane	8.224	56	3192	1.374	ug/l #	5
36) 1,1-Dichloropropene	8.229	75	11197	5.322	ug/l #	51
37) Ethyl Acetate	7.565	43	2688	1.255	ug/l #	79
38) Carbon Tetrachloride	8.224	117	13818	5.455	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	494	0.212	ug/l #	78
43) Isopropyl Acetate	8.688	43	145194	35.064	ug/l #	87
45) 1,2-Dichloropropane	9.747	63	1060	0.702	ug/l #	44
48) Methyl methacrylate	9.747	41	86118	51.276	ug/l #	52
51) 4-Methyl-2-Pentanone	10.447	43	9366	4.411	ug/l #	78
53) t-1,3-Dichloropropene	10.729	75	684	0.273	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	35185	13.268	ug/l #	54
56) Ethyl methacrylate	10.988	69	905	0.391	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4456	1.693	ug/l #	43
59) 2-Hexanone	11.170	43	81666	51.728	ug/l #	28
71) Bromoform	12.853	173	616	0.444	ug/l #	1
74) N-amyl acetate	12.482	43	1530	0.473	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	57594	31.024	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57594	61.016	ug/l #	6

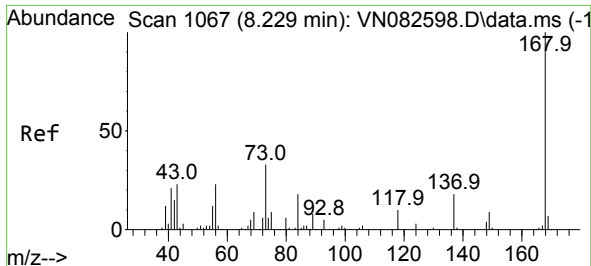
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

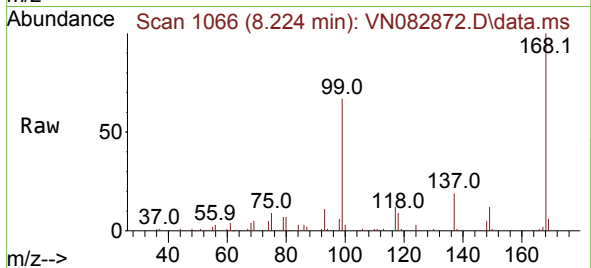
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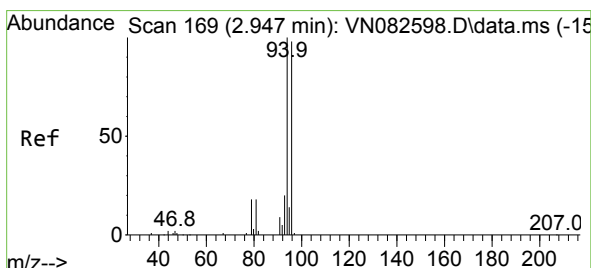
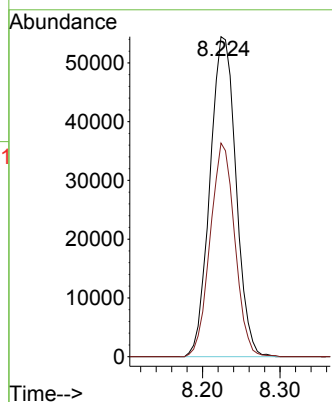
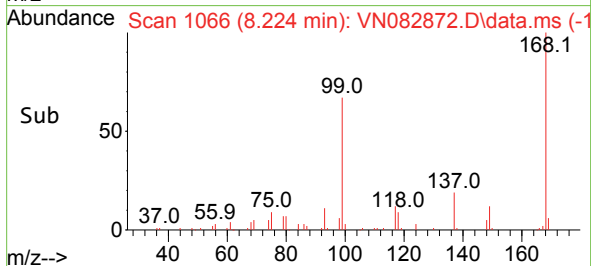


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Instrument :
MSVOA_N
ClientSampleId :

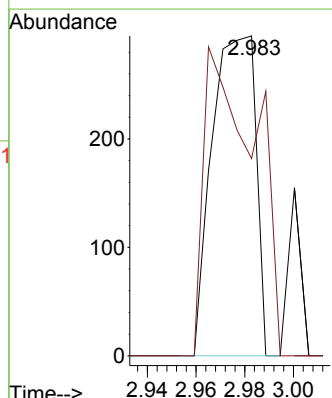
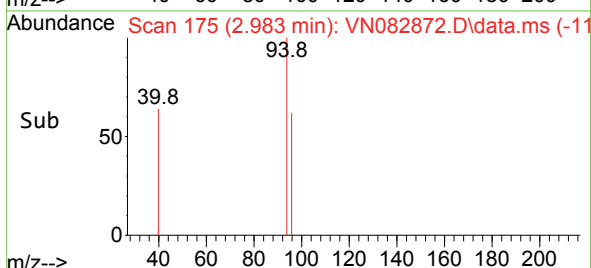
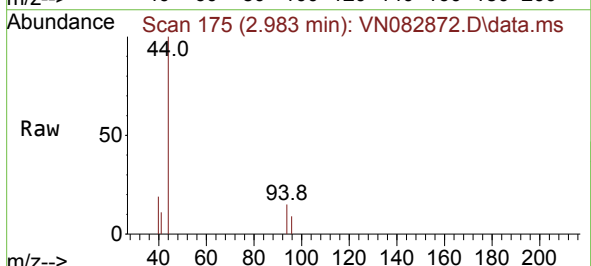


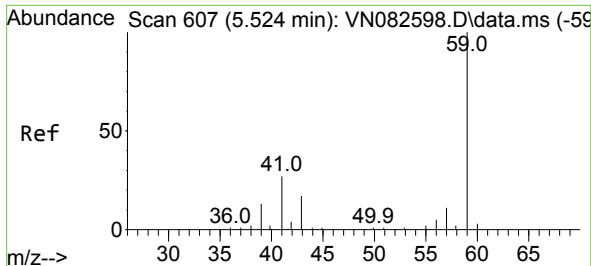
Tgt Ion:168 Resp: 126796
Ion Ratio Lower Upper
168 100
99 66.7 48.2 72.4



#5
Bromomethane
Concen: 0.311 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.036 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

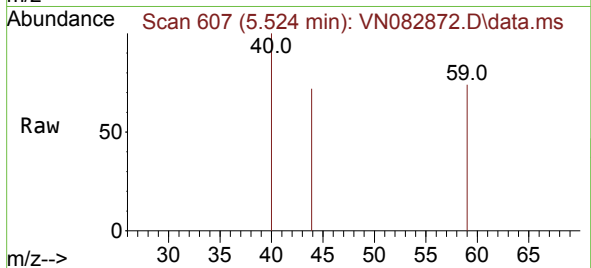
Tgt Ion: 94 Resp: 367
Ion Ratio Lower Upper
94 100
96 61.7 78.0 117.0#



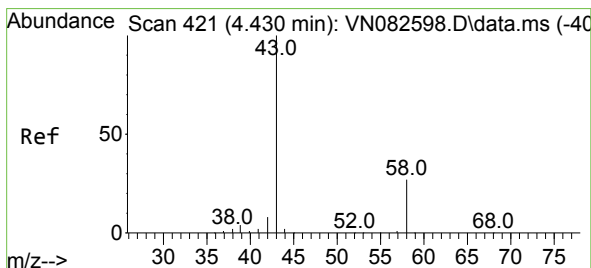
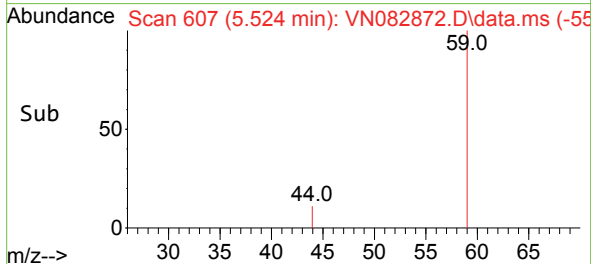
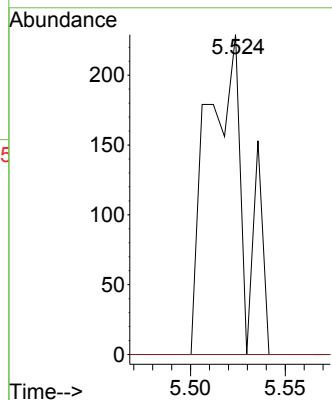


#11
Tert butyl alcohol
Concen: 1.057 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Instrument :
MSVOA_N
ClientSampleId :

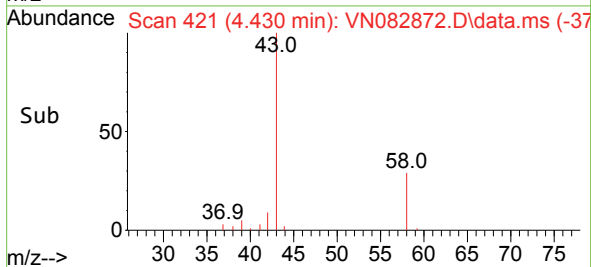
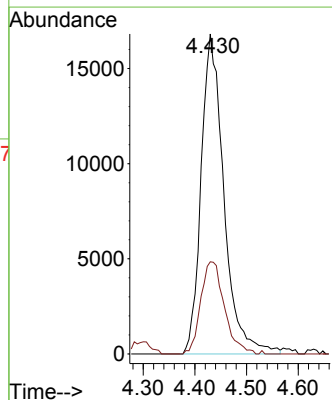
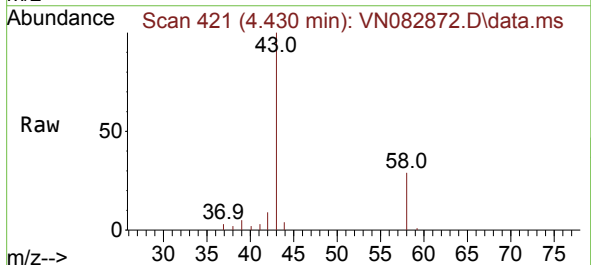


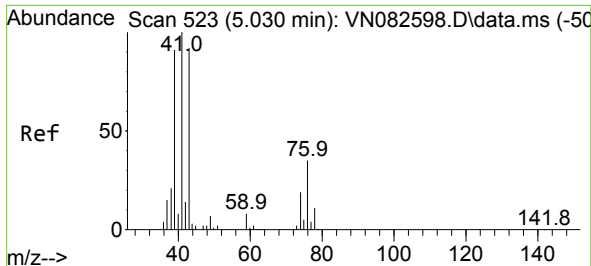
Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 82.126 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

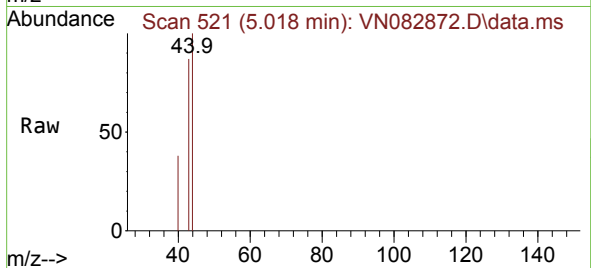
Tgt Ion: 43 Resp: 51393
Ion Ratio Lower Upper
43 100
58 28.8 21.8 32.6



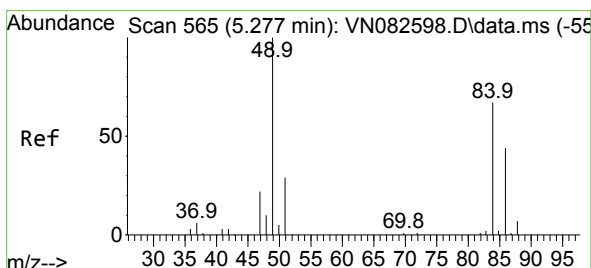
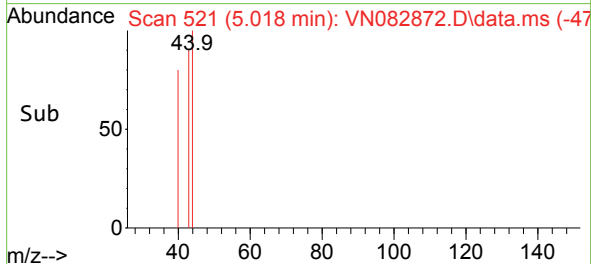
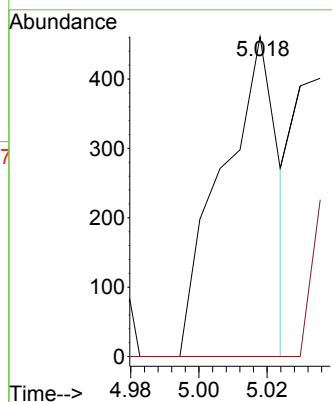


#18
Methyl Acetate
Concen: 0.319 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Instrument :
MSVOA_N
ClientSampleId :

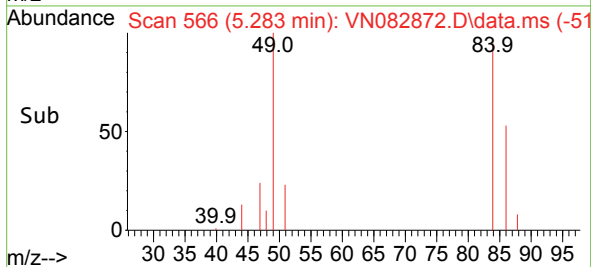
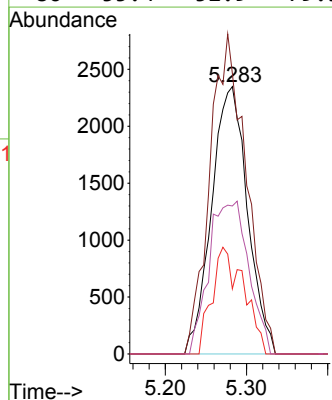
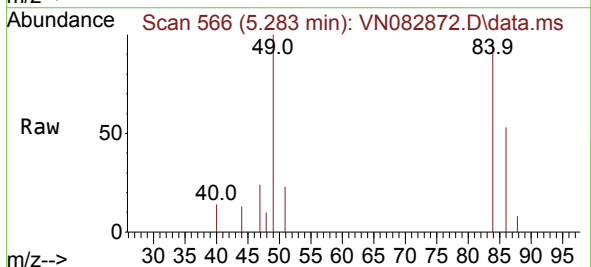


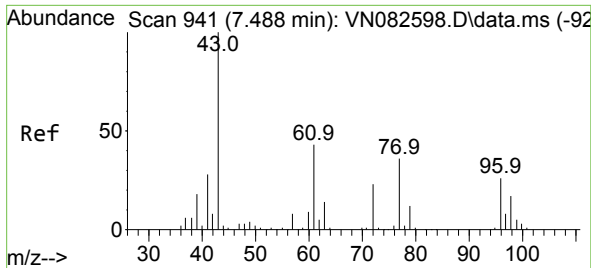
Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
74 15.1 16.3 24.5#



#20
Methylene Chloride
Concen: 4.765 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Tgt Ion: 84 Resp: 7201
Ion Ratio Lower Upper
84 100
49 105.0 119.6 179.4#
51 24.4 34.8 52.2#
86 55.4 52.9 79.3

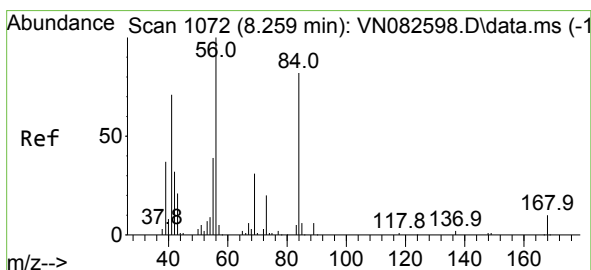
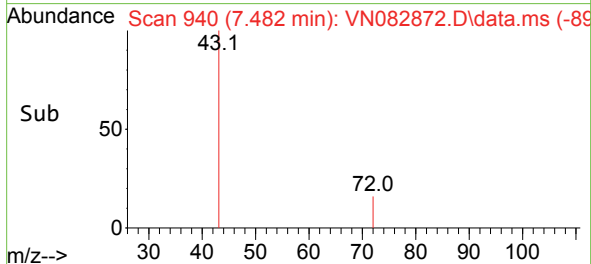
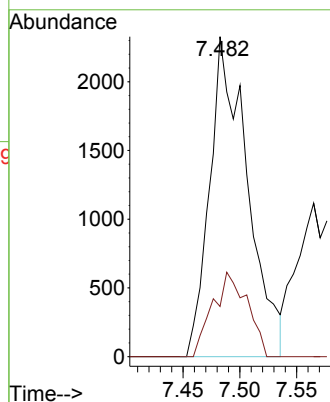
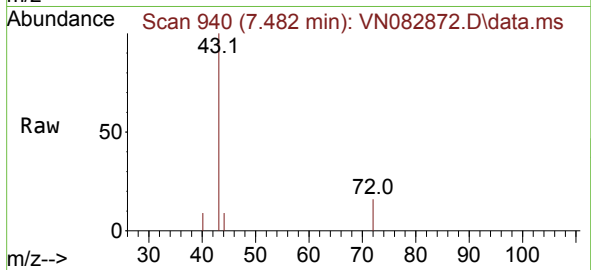




#25
2-Butanone
Concen: 5.674 ug/l
RT: 7.482 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

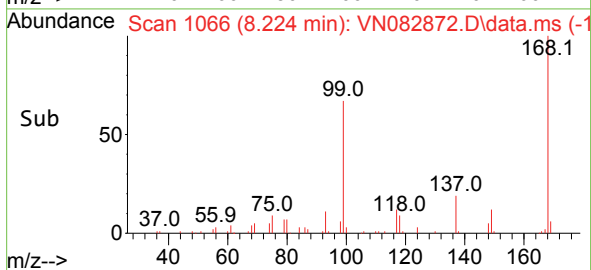
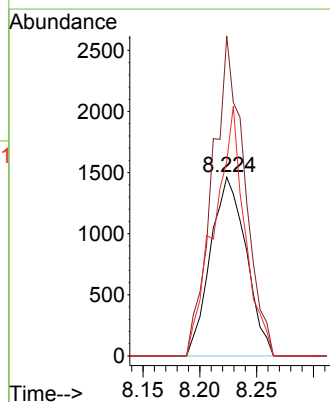
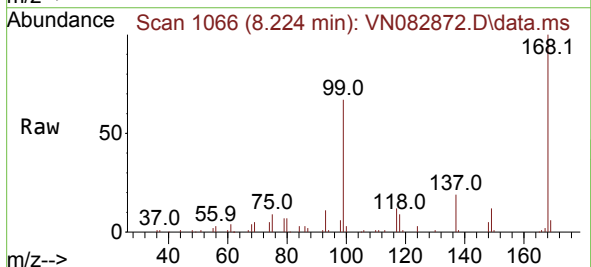
Instrument :
MSVOA_N
ClientSampleId :

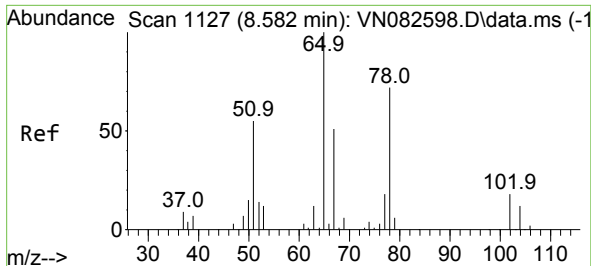
Tgt Ion: 43 Resp: 5361
Ion Ratio Lower Upper
43 100
72 15.7 18.2 27.2#



#31
Cyclohexane
Concen: 1.374 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Tgt Ion: 56 Resp: 3192
Ion Ratio Lower Upper
56 100
69 179.1 24.5 36.7#
84 108.8 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 51.190 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082872.D

Acq: 11 Jul 2024 13:31

Instrument :

MSVOA_N

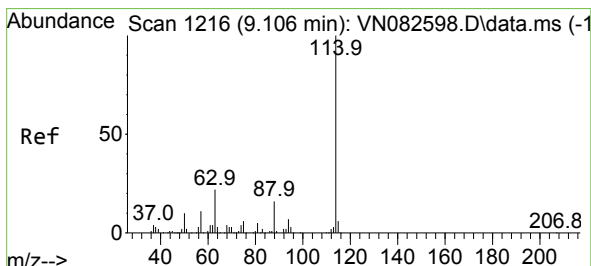
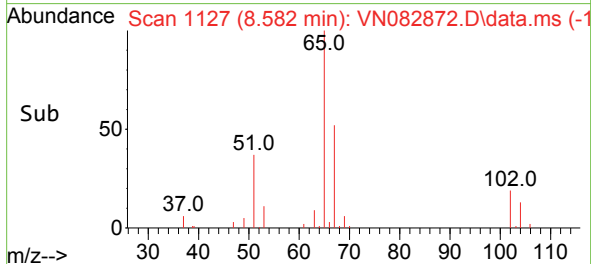
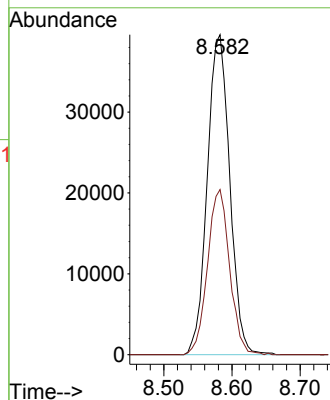
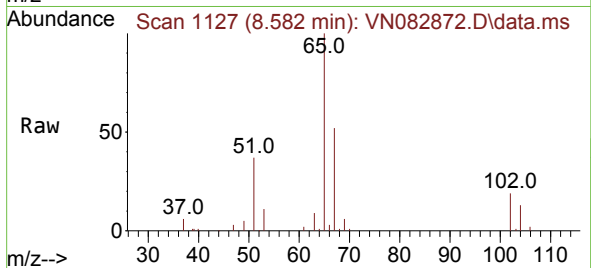
ClientSampleId :

Tgt Ion: 65 Resp: 90986

Ion Ratio Lower Upper

65 100

67 50.8 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: VN082872.D

Acq: 11 Jul 2024 13:31

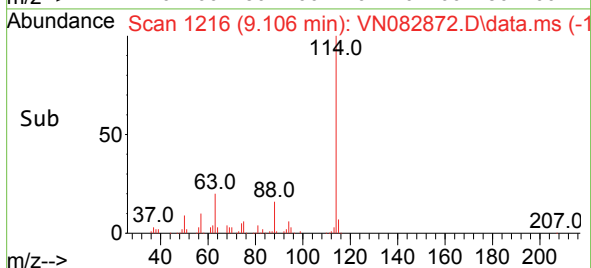
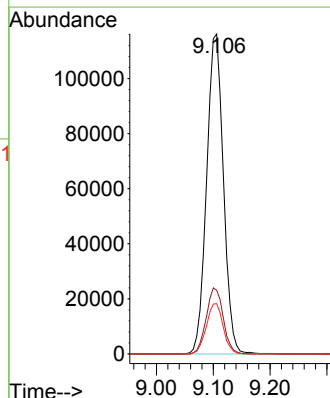
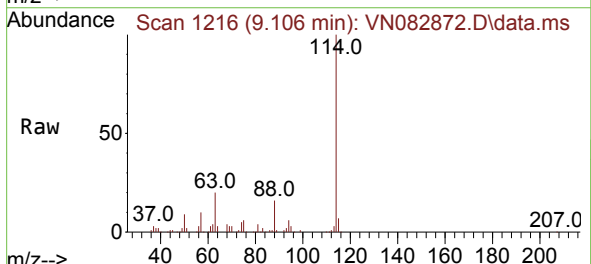
Tgt Ion: 114 Resp: 237804

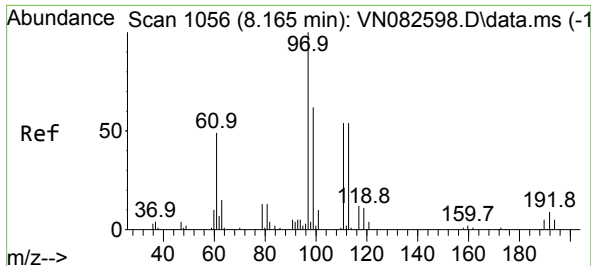
Ion Ratio Lower Upper

114 100

63 19.9 0.0 44.6

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.604 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

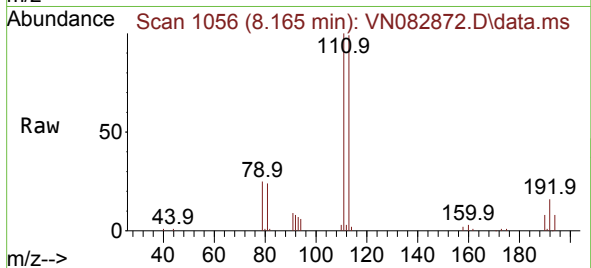
Lab File: VN082872.D

Acq: 11 Jul 2024 13:31

Instrument :

MSVOA_N

ClientSampleId :



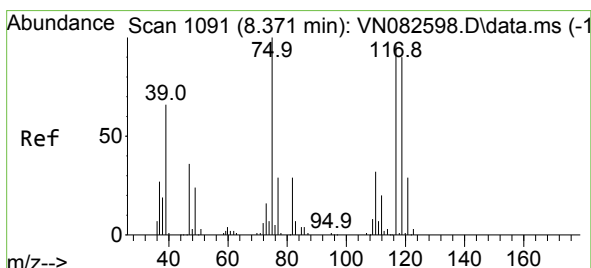
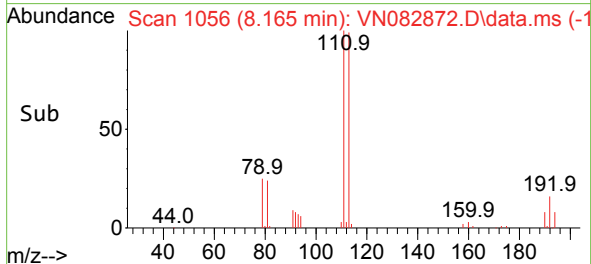
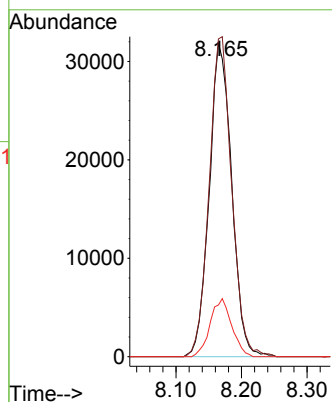
Tgt Ion:113 Resp: 75692

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

192 17.8 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.322 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

Lab File: VN082872.D

Acq: 11 Jul 2024 13:31

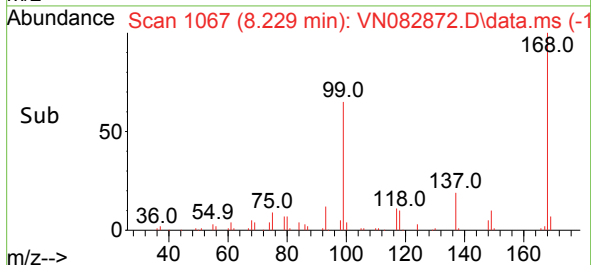
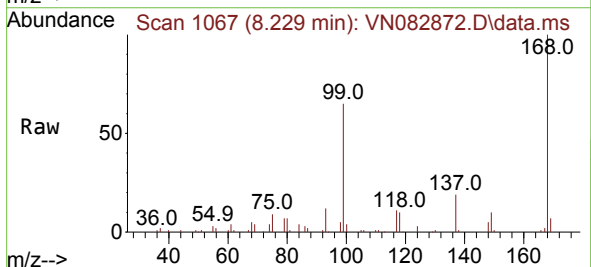
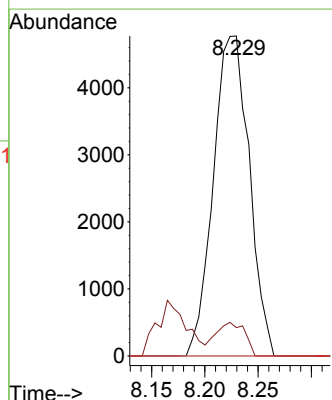
Tgt Ion: 75 Resp: 11197

Ion Ratio Lower Upper

75 100

110 8.4 16.3 48.9#

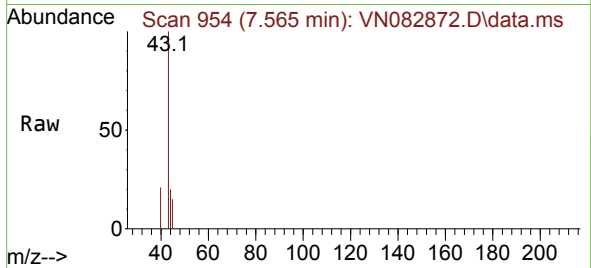
77 0.0 24.6 37.0#



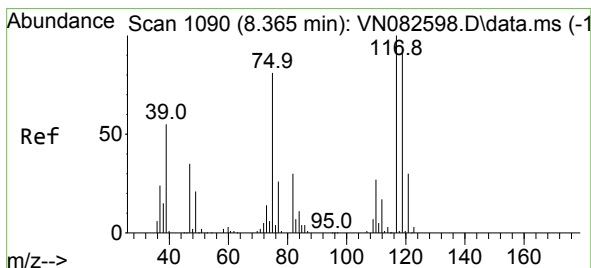
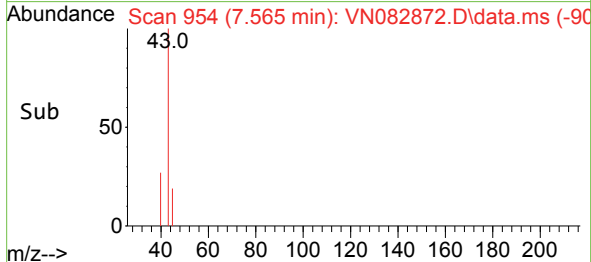
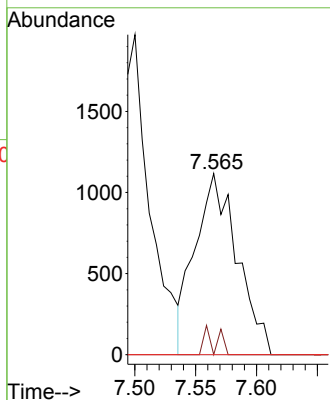


#37
Ethyl Acetate
Concen: 1.255 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Instrument :
MSVOA_N
ClientSampleId :

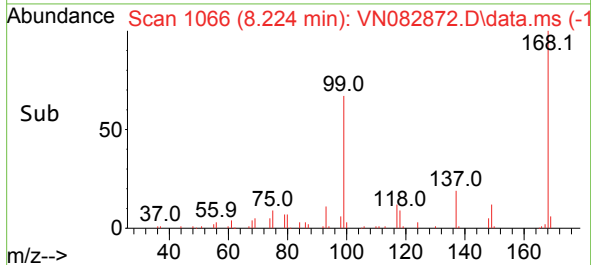
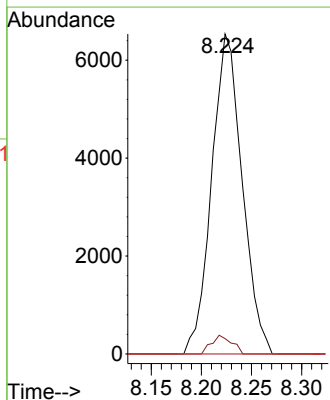
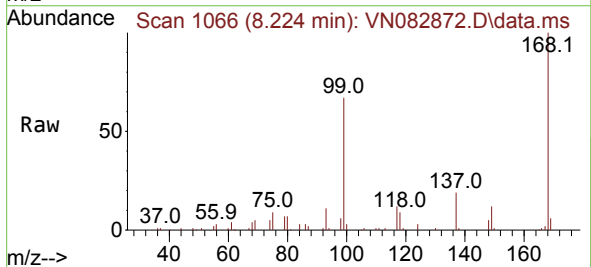


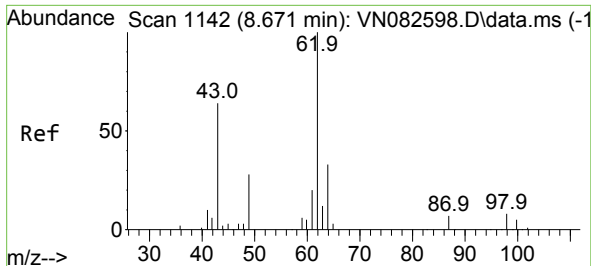
Tgt Ion: 43 Resp: 2688
Ion Ratio Lower Upper
43 100
61 4.5 9.3 13.9#
70 0.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Tgt Ion: 117 Resp: 13818
Ion Ratio Lower Upper
117 100
119 4.8 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.212 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN082872.D

Acq: 11 Jul 2024 13:31

Instrument :

MSVOA_N

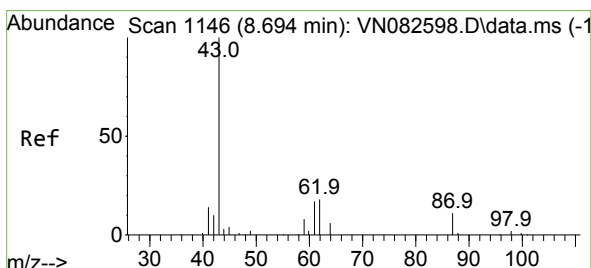
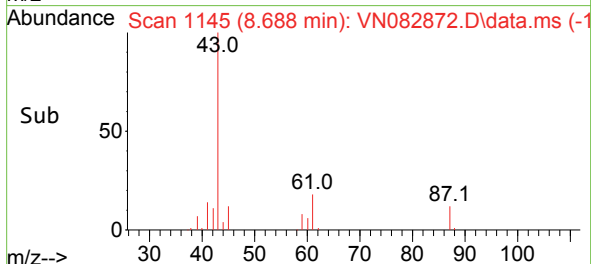
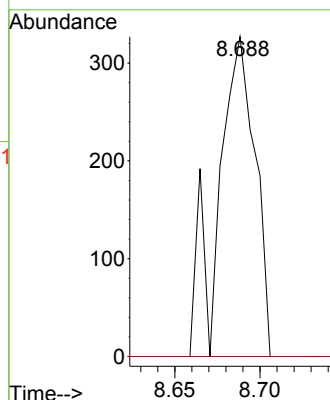
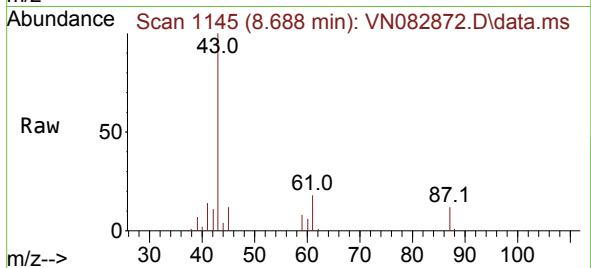
ClientSampleId :

Tgt Ion: 62 Resp: 494

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 35.064 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN082872.D

Acq: 11 Jul 2024 13:31

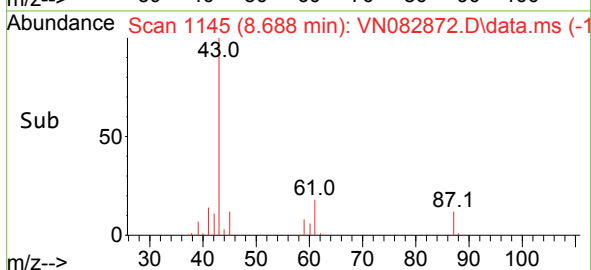
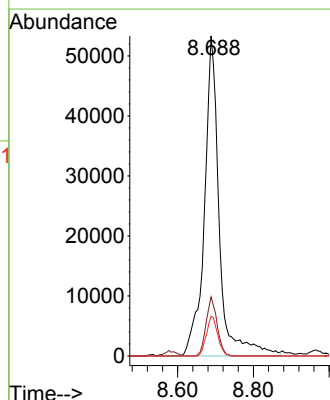
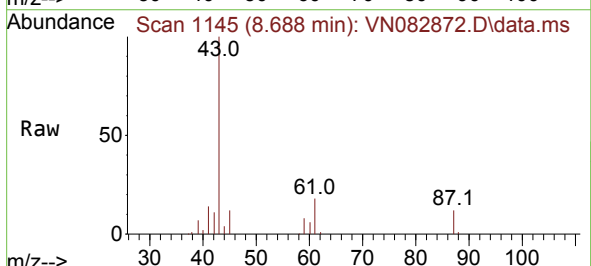
Tgt Ion: 43 Resp: 145194

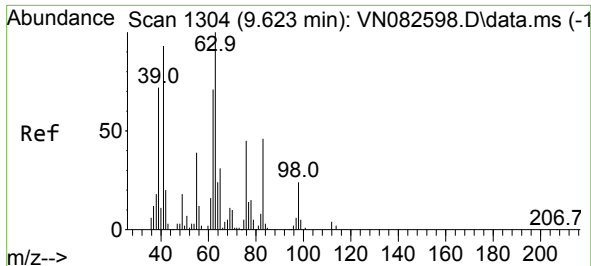
Ion Ratio Lower Upper

43 100

61 13.6 17.8 26.6#

87 9.4 8.2 12.2

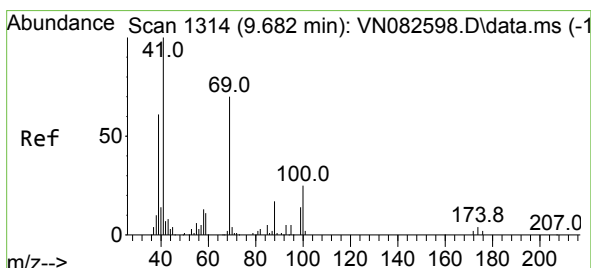
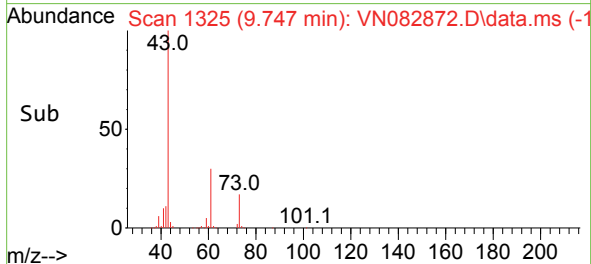
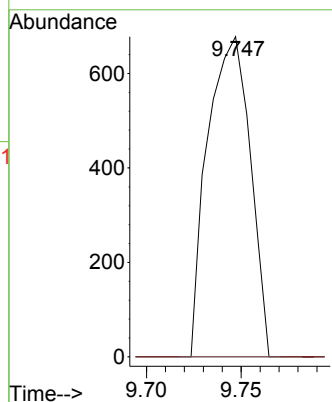
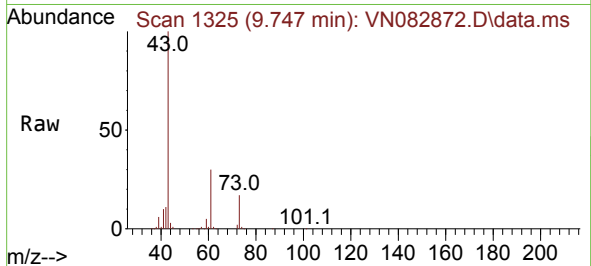




#45
1,2-Dichloropropane
Concen: 0.702 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.124 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

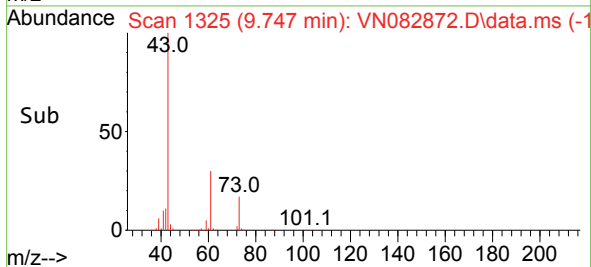
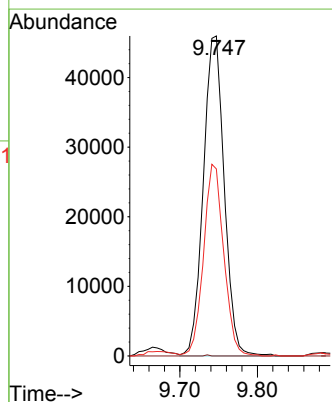
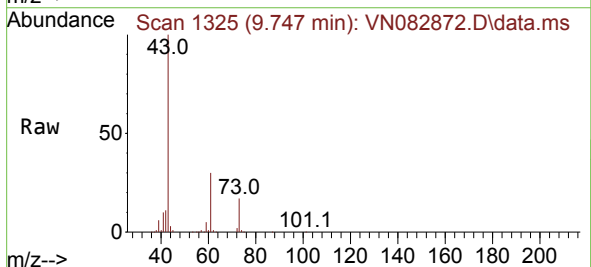
Instrument :
MSVOA_N
ClientSampleId :

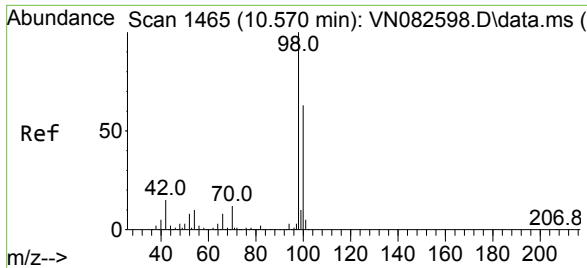
Tgt Ion: 63 Resp: 1060
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



#48
Methyl methacrylate
Concen: 51.276 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Tgt Ion: 41 Resp: 86118
Ion Ratio Lower Upper
41 100
69 0.1 56.3 84.5#
39 57.9 50.3 75.5

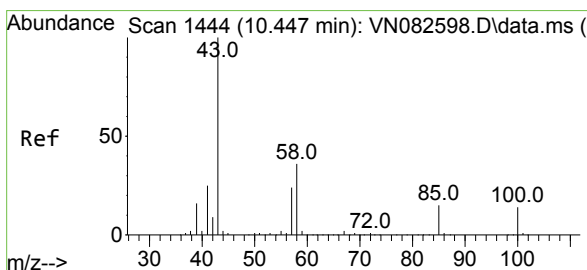
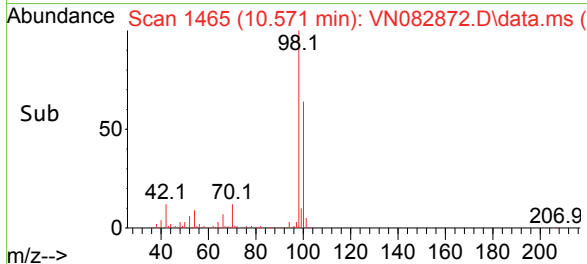
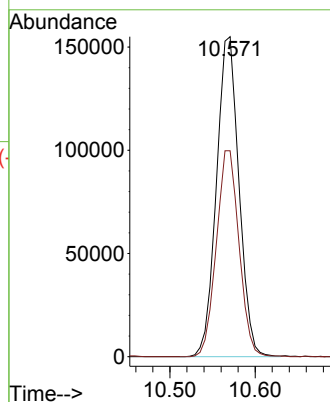
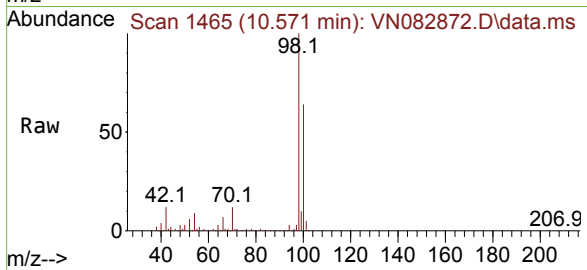




#50
Toluene-d8
Concen: 50.445 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

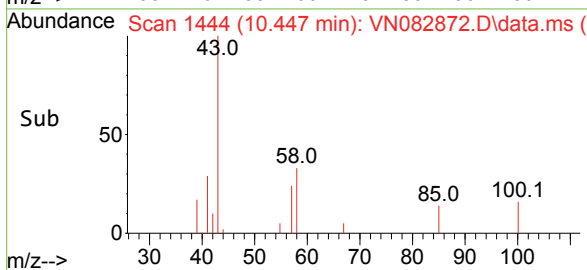
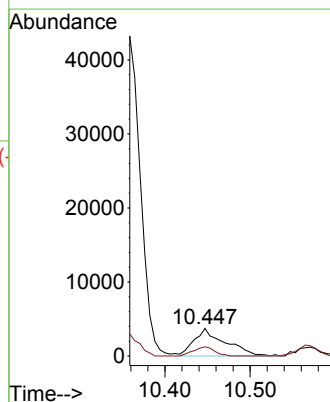
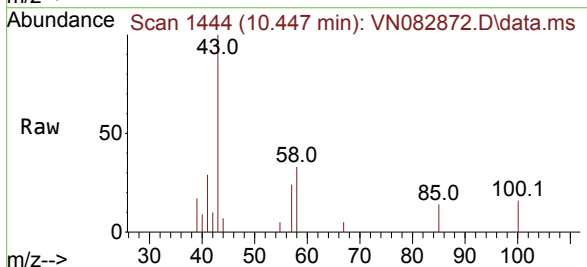
Instrument :
MSVOA_N
ClientSampleId :

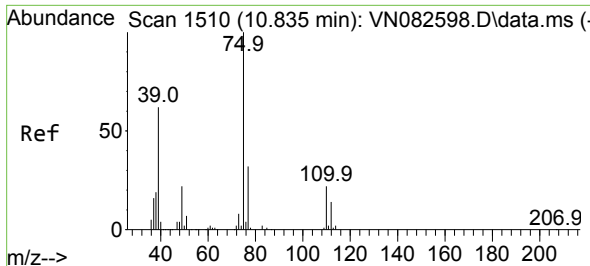
Tgt Ion: 98 Resp: 284309
Ion Ratio Lower Upper
98 100
100 65.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 4.411 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

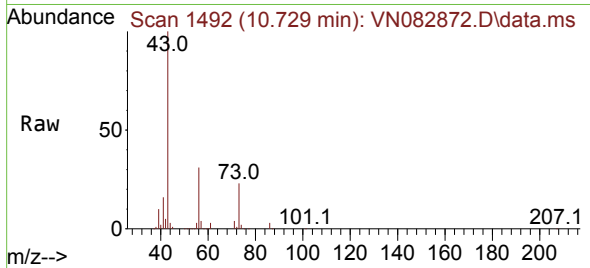
Tgt Ion: 43 Resp: 9366
Ion Ratio Lower Upper
43 100
58 22.3 28.2 42.4#



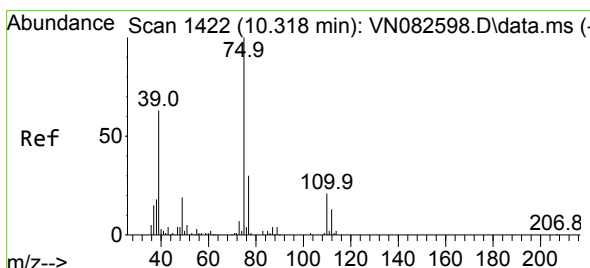
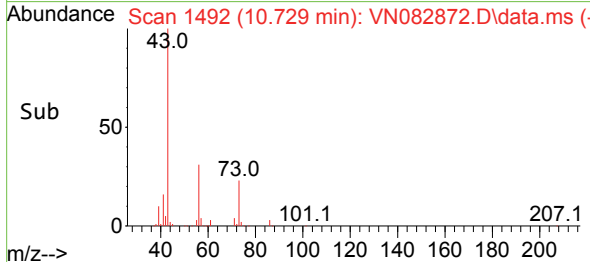
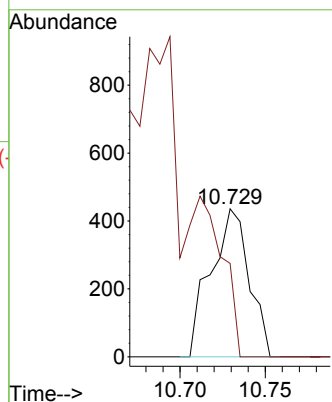


#53
 t-1,3-Dichloropropene
 Concen: 0.273 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082872.D
 Acq: 11 Jul 2024 13:31

Instrument :
 MSVOA_N
 ClientSampleId :

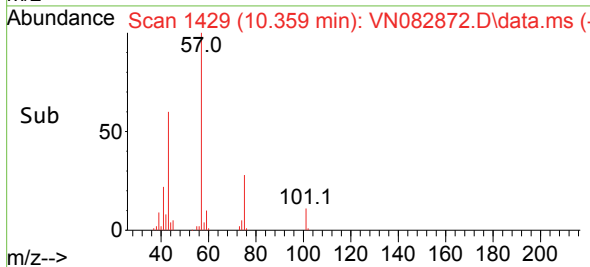
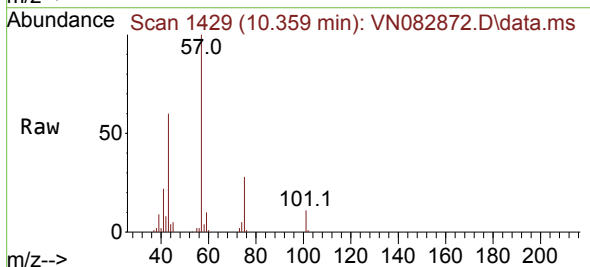
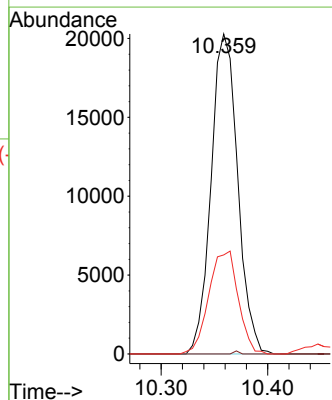


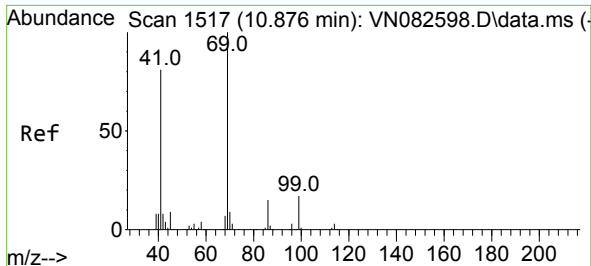
Tgt Ion: 75 Resp: 684
 Ion Ratio Lower Upper
 75 100
 77 63.1 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.268 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082872.D
 Acq: 11 Jul 2024 13:31

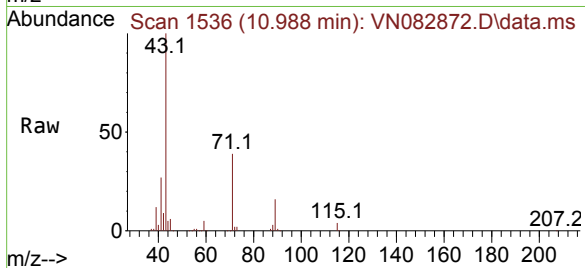
Tgt Ion: 75 Resp: 35185
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 31.0 50.5 75.7#



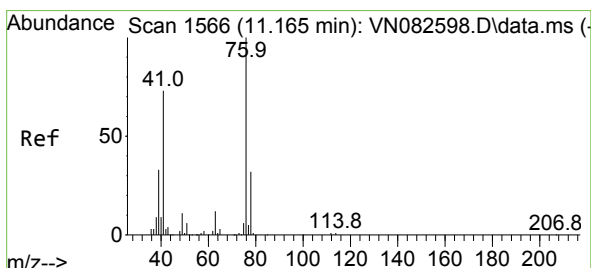
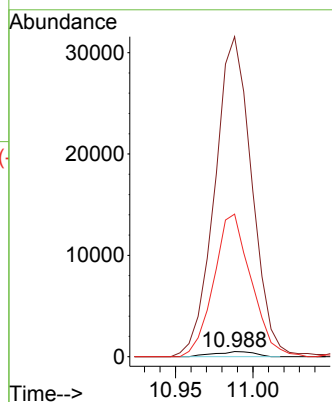
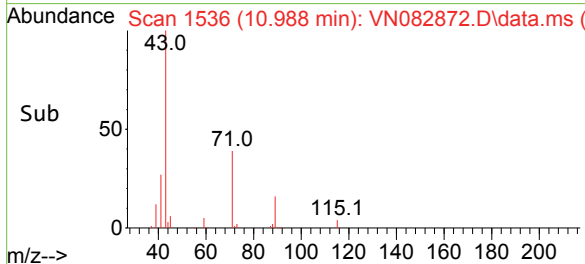


#56
Ethyl methacrylate
Concen: 0.391 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Instrument :
MSVOA_N
ClientSampleId :

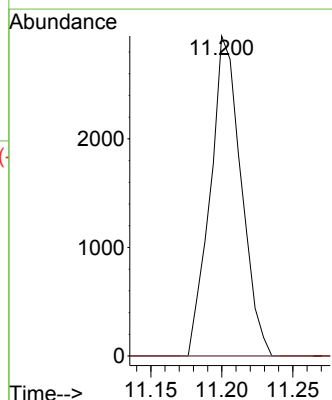
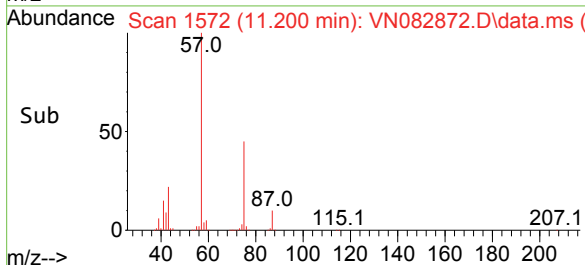
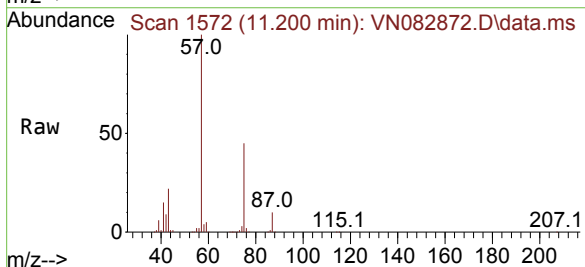


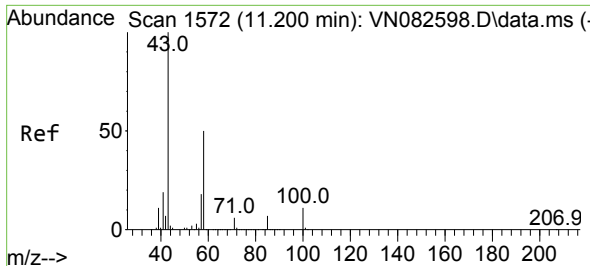
Tgt Ion: 69 Resp: 905
Ion Ratio Lower Upper
69 100
41 5828.1 63.4 95.2#
39 2614.8 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.693 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Tgt Ion: 76 Resp: 4456
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

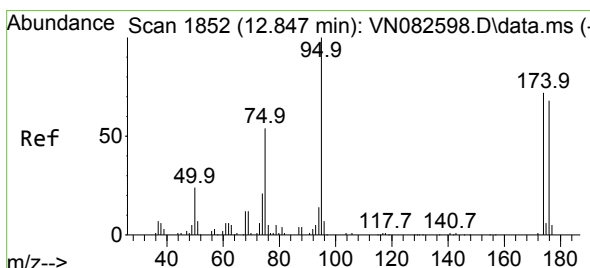
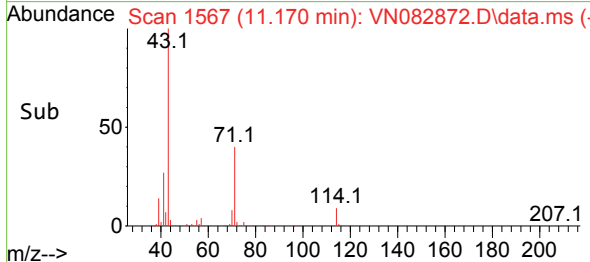
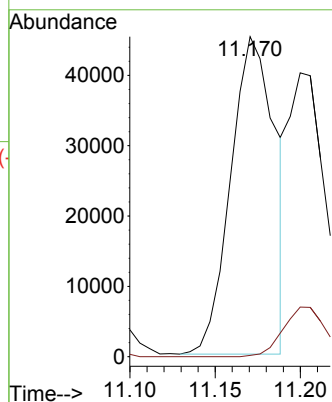
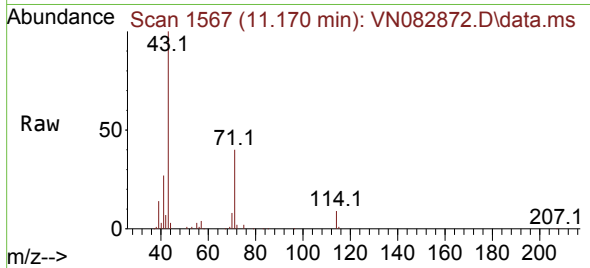




#59
2-Hexanone
Concen: 51.728 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

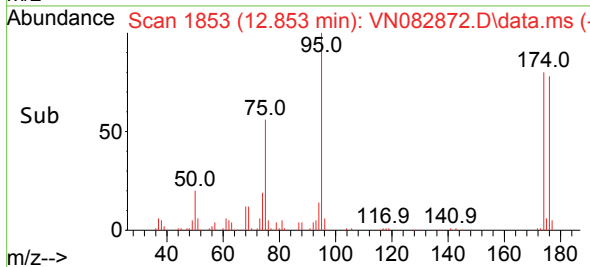
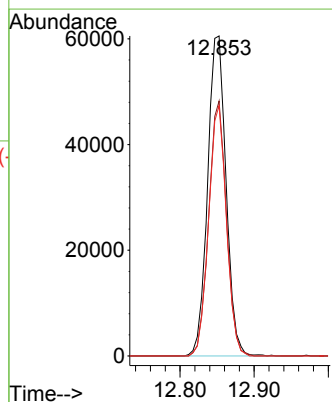
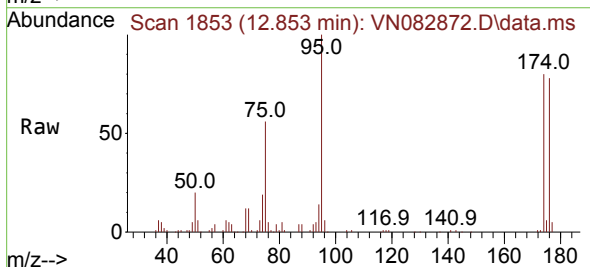
Instrument :
MSVOA_N
ClientSampleId :

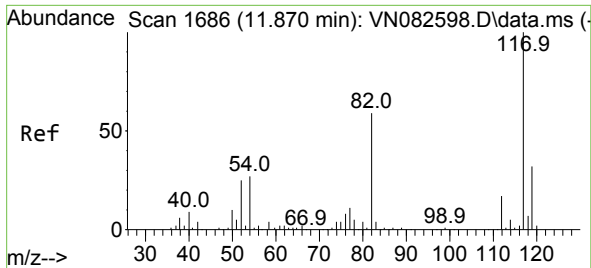
Tgt Ion: 43 Resp: 81666
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 51.717 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Tgt Ion: 95 Resp: 104701
Ion Ratio Lower Upper
95 100
174 76.5 0.0 159.2
176 75.1 0.0 147.6

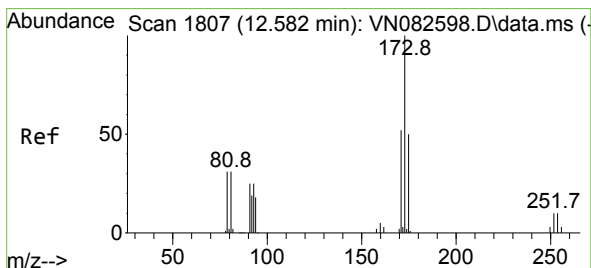
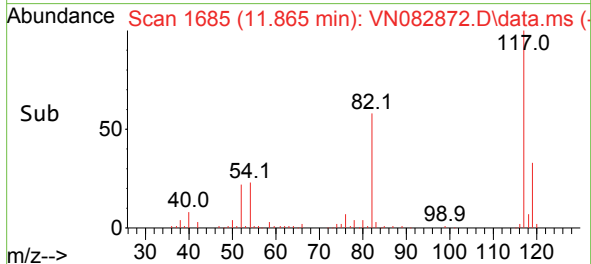
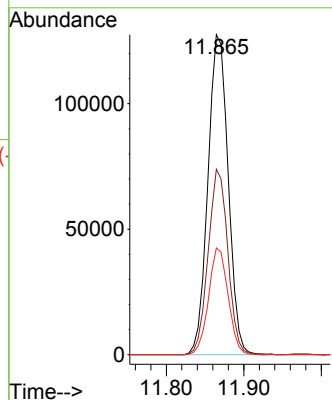
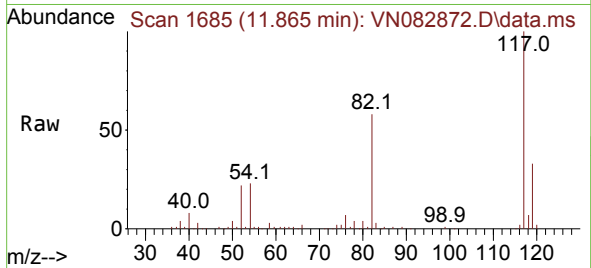




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

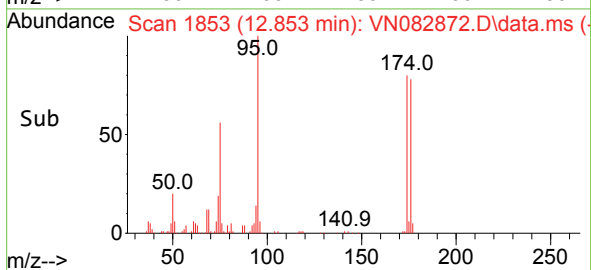
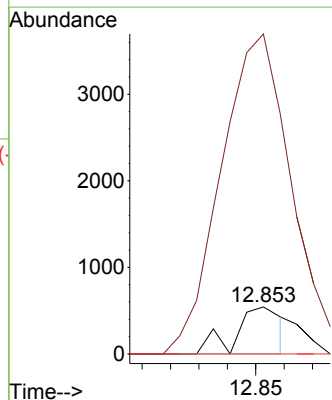
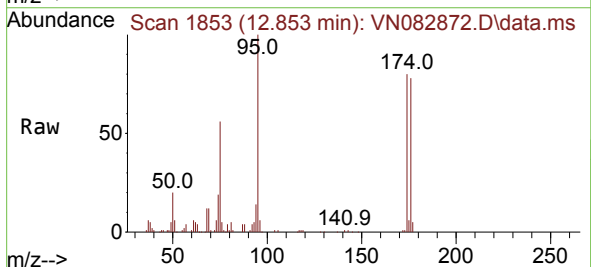
Instrument :
MSVOA_N
ClientSampleId :

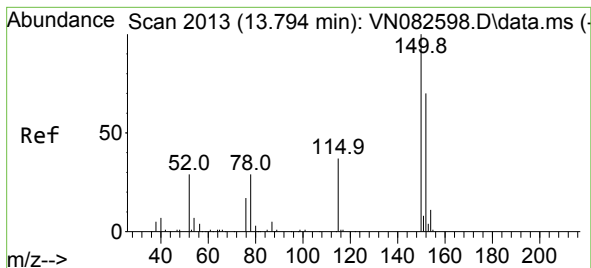
Tgt Ion:117 Resp: 231483
Ion Ratio Lower Upper
117 100
82 57.9 47.5 71.3
119 33.3 25.6 38.4



#71
Bromoform
Concen: 0.444 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

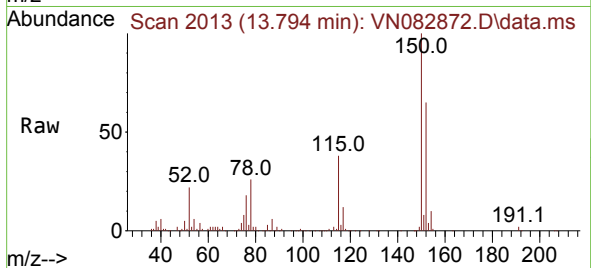
Tgt Ion:173 Resp: 616
Ion Ratio Lower Upper
173 100
175 868.0 24.0 72.0#
254 0.0 0.0 0.0



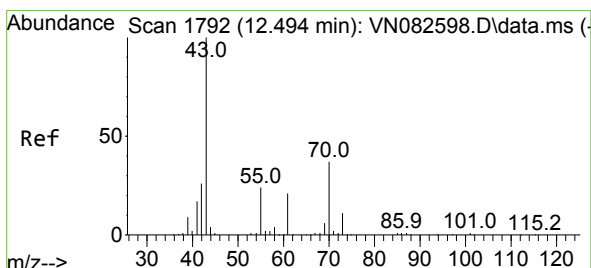
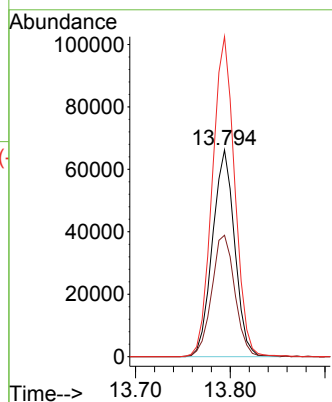
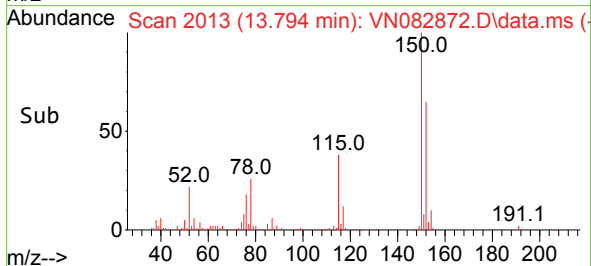


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082872.D
 Acq: 11 Jul 2024 13:31

Instrument :
 MSVOA_N
 ClientSampleId :

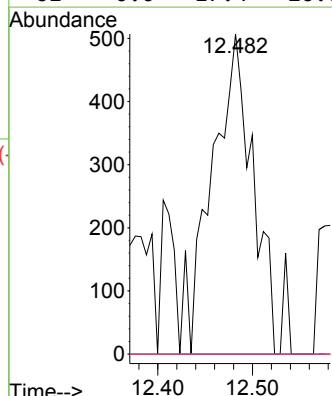
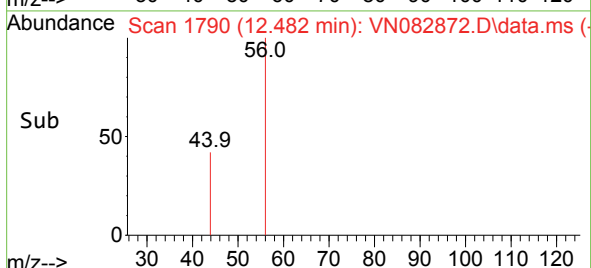
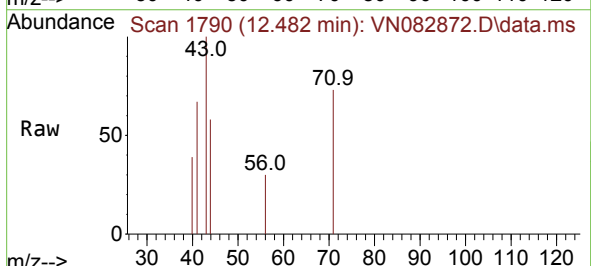


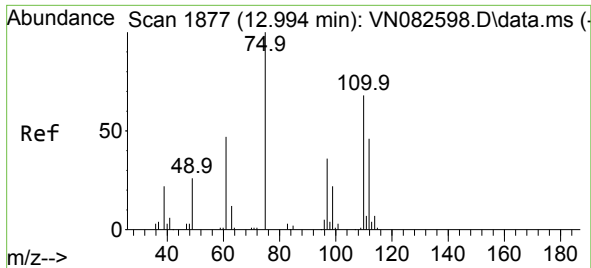
Tgt Ion:152 Resp: 107677
 Ion Ratio Lower Upper
 152 100
 115 61.5 30.6 91.6
 150 156.1 0.0 348.6



#74
 N-ethyl acetate
 Concen: 0.473 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: VN082872.D
 Acq: 11 Jul 2024 13:31

Tgt Ion: 43 Resp: 1530
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.6#
 55 0.0 18.7 28.1#
 61 0.0 17.4 26.0#

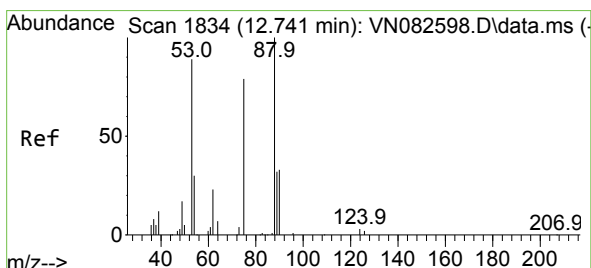
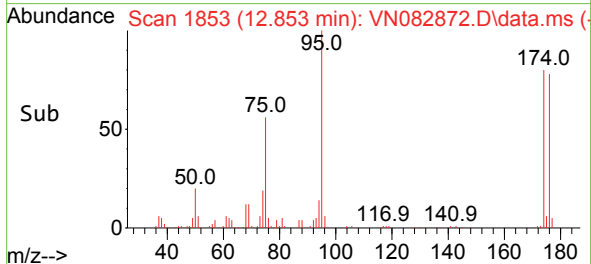
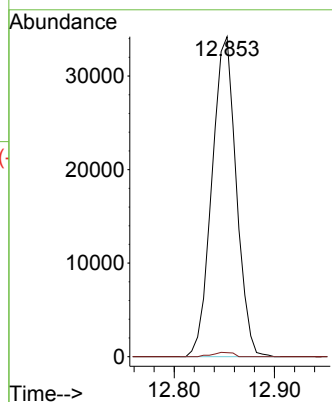
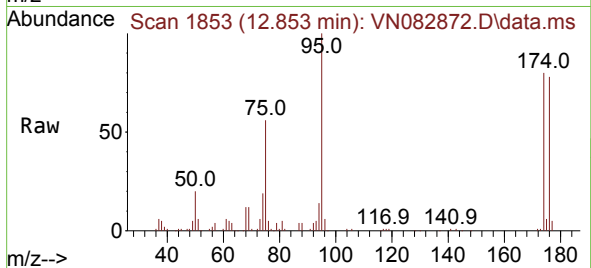




#76
1,2,3-Trichloropropane
Concen: 31.024 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 57594
Ion Ratio Lower Upper
75 100
77 1.2 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.016 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082872.D
Acq: 11 Jul 2024 13:31

Tgt Ion: 75 Resp: 57594
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

