

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061324\
 Data File : VN082564.D
 Acq On : 13 Jun 2024 17:09
 Operator : JC\MD
 Sample : P2853-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 12

Quant Time: Jun 14 02:32:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	153745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	296170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	132065	54.400	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.800%	
35) Dibromofluoromethane	8.171	113	96469	52.950	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.900%	
50) Toluene-d8	10.570	98	382440	54.751	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.500%	
62) 4-Bromofluorobenzene	12.853	95	125784	50.452	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 100.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	299	0.220	ug/l	99
11) Tert butyl alcohol	5.524	59	1208	3.100	ug/l #	71
16) Acetone	4.436	43	21751	21.841	ug/l	98
18) Methyl Acetate	5.053	43	4147	1.672	ug/l #	54
20) Methylene Chloride	5.283	84	12993	6.466	ug/l #	73
25) 2-Butanone	7.488	43	12058	7.986	ug/l #	85
29) Tetrahydrofuran	7.853	42	910	0.939	ug/l #	29
31) Cyclohexane	8.224	56	4704	1.213	ug/l #	60
36) 1,1-Dichloropropene	8.224	75	14200	4.647	ug/l #	49
37) Ethyl Acetate	7.565	43	4853	1.419	ug/l #	80
38) Carbon Tetrachloride	8.224	117	17247	5.568	ug/l #	17
41) Methacrylonitrile	7.865	41	535	0.266	ug/l #	23
42) 1,2-Dichloroethane	8.688	62	1024	0.292	ug/l #	73
43) Isopropyl Acetate	8.688	43	296286	48.898	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1885	0.802	ug/l #	45
48) Methyl methacrylate	9.665	41	6204	2.149	ug/l #	40
49) 1,4-Dioxane	9.747	88	194	4.795	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6760	1.964	ug/l #	84
53) t-1,3-Dichloropropene	10.735	75	937	0.278	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	50951	14.283	ug/l #	76
56) Ethyl methacrylate	10.982	69	2068	0.613	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6271	1.688	ug/l #	42
59) 2-Hexanone	11.170	43	148817	59.036	ug/l #	23
71) Bromoform	12.841	173	324	0.879	ug/l #	28
74) N-amyl acetate	12.459	43	4887	0.895	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	72594	27.589	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	72594	64.530	ug/l #	13

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

Instrument :
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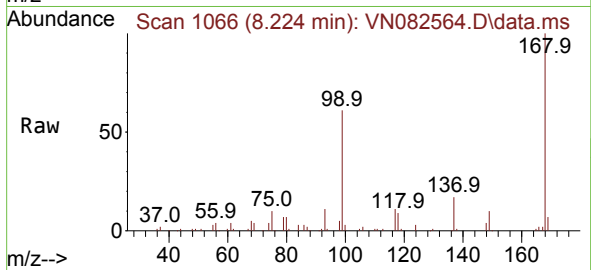
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ClientSampleId :
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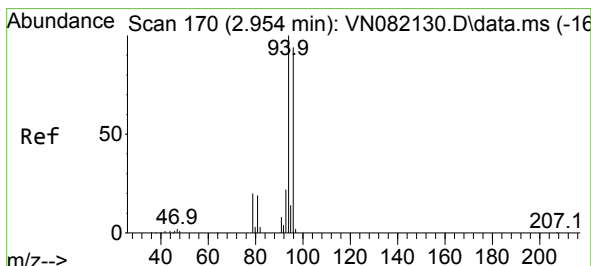
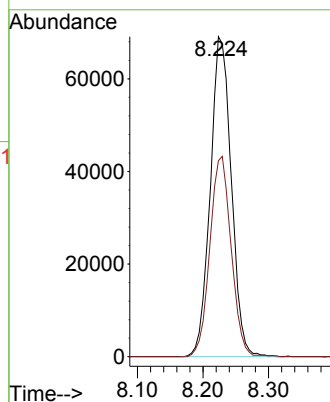
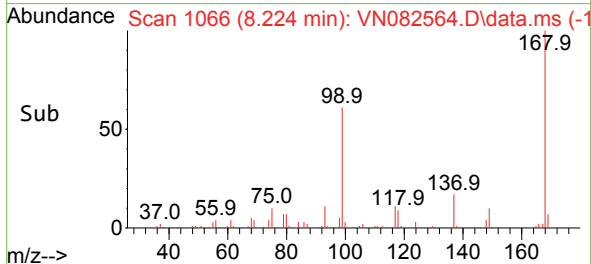


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
12

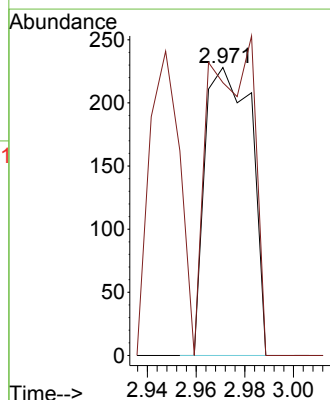
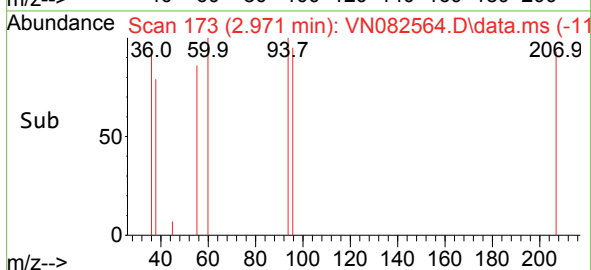
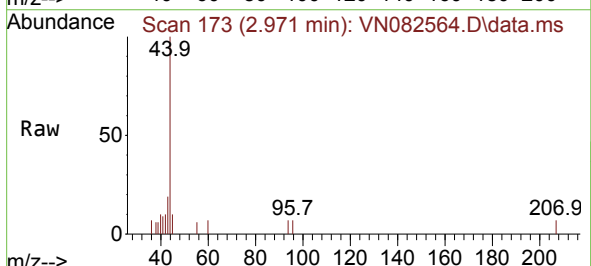


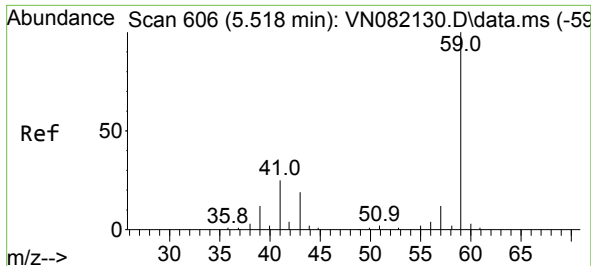
Tgt Ion:168 Resp: 153745
Ion Ratio Lower Upper
168 100
99 61.2 48.2 72.4



#5
Bromomethane
Concen: 0.220 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.017 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
96 94.7 74.8 112.2

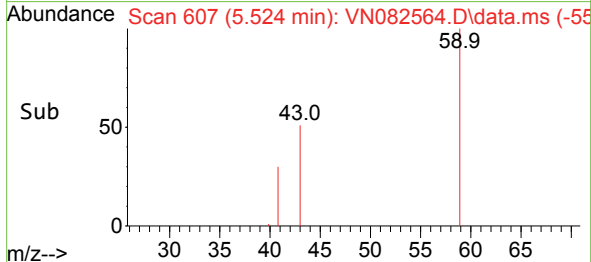
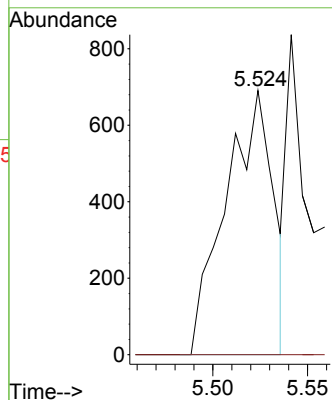
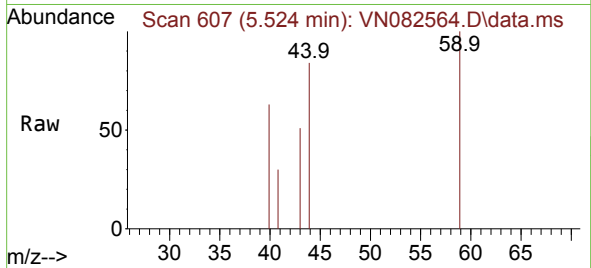




#11
Tert butyl alcohol
Concen: 3.100 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

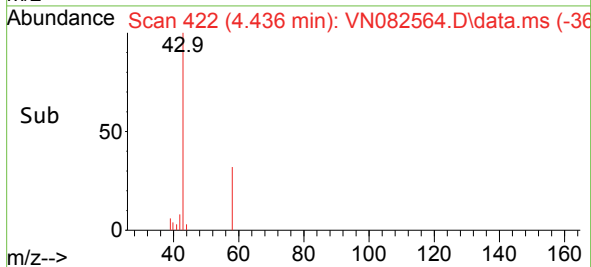
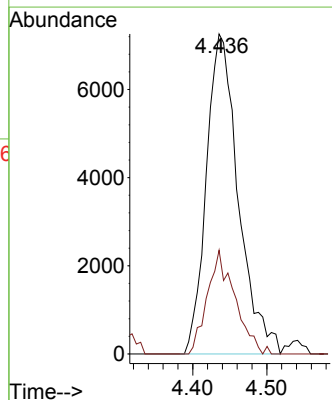
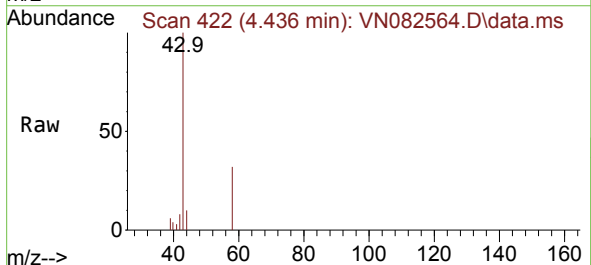
Instrument :
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Tgt Ion: 59 Resp: 1208
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 21.841 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion: 43 Resp: 21751
Ion Ratio Lower Upper
43 100
58 32.4 25.2 37.8

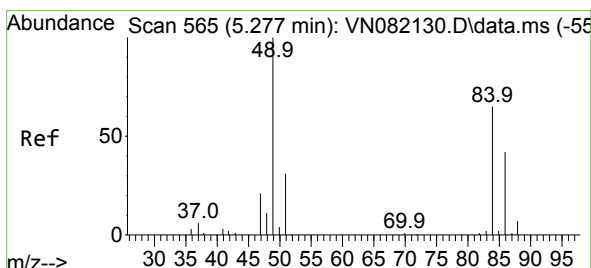
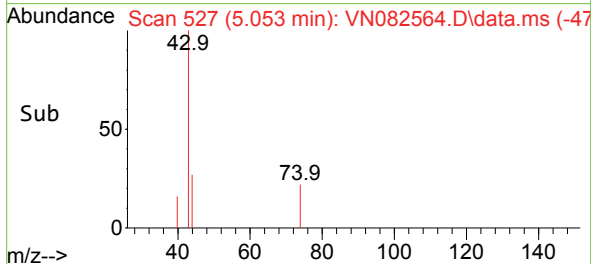
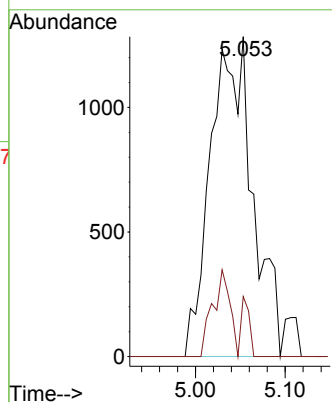
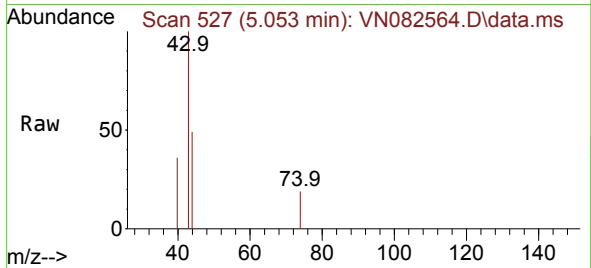




#18
Methyl Acetate
Concen: 1.672 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

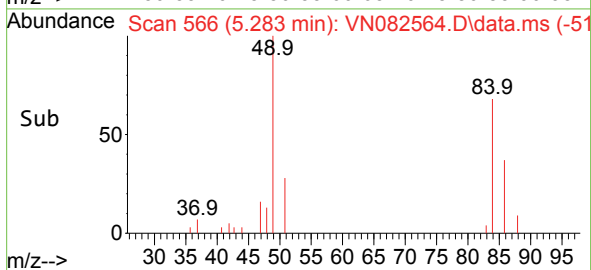
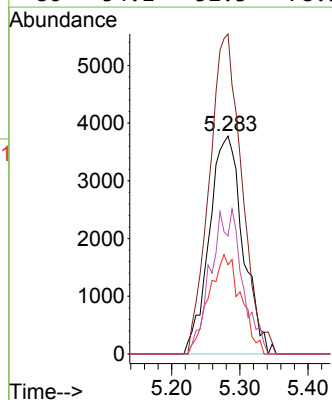
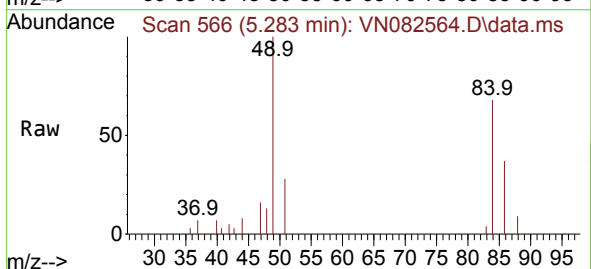
Instrument :
MSVOA_N
ClientSampleId :
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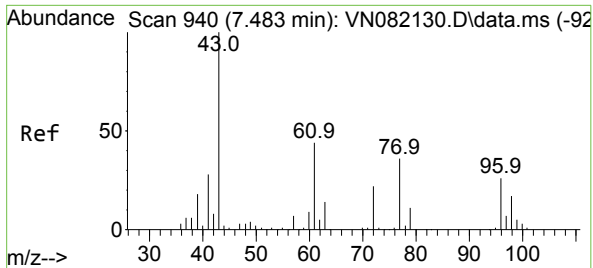
Tgt Ion: 43 Resp: 4147
Ion Ratio Lower Upper
43 100
74 3.6 22.2 33.2#



#20
Methylene Chloride
Concen: 6.466 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion: 84 Resp: 12993
Ion Ratio Lower Upper
84 100
49 146.9 84.9 127.3#
51 41.0 27.0 40.6#
86 54.1 52.3 78.5

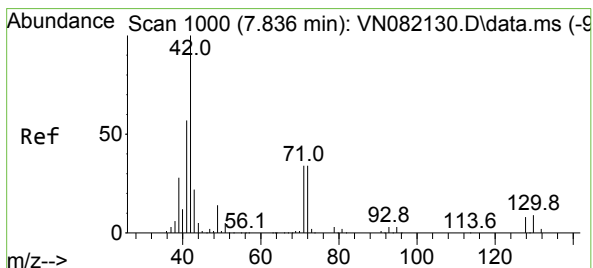
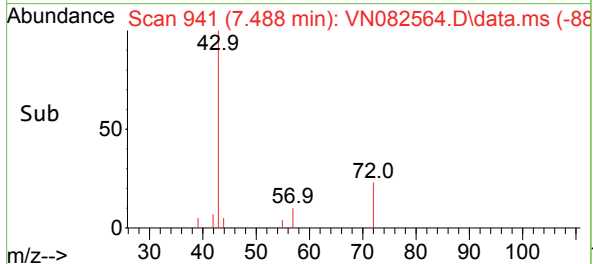
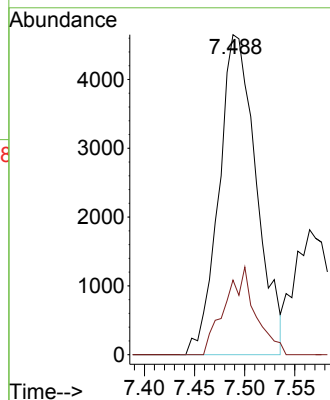
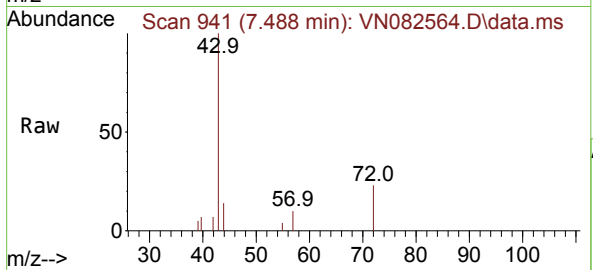




#25
2-Butanone
Concen: 7.986 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

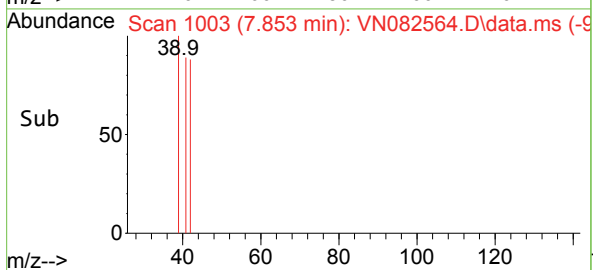
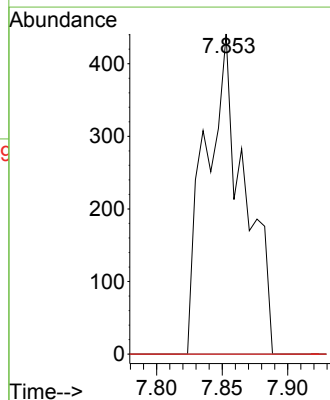
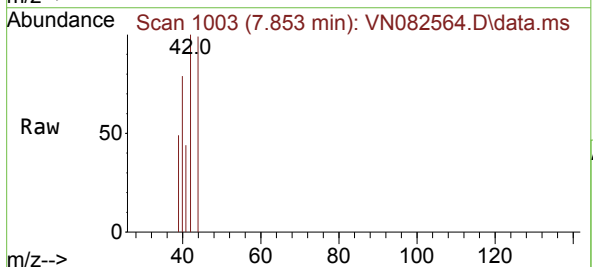
Instrument :
MSVOA_N
ClientSampleId :
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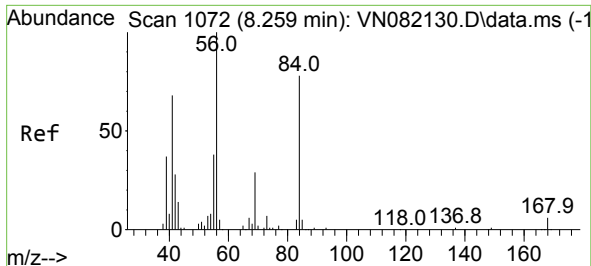
Tgt Ion: 43 Resp: 12058
Ion Ratio Lower Upper
43 100
72 23.3 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.939 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion: 42 Resp: 910
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#

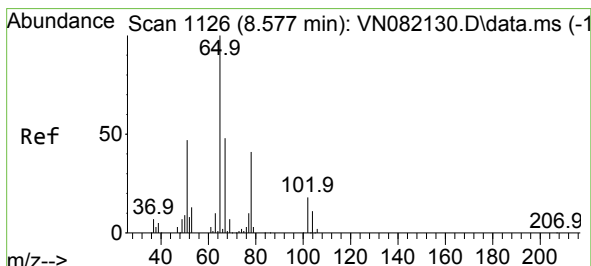
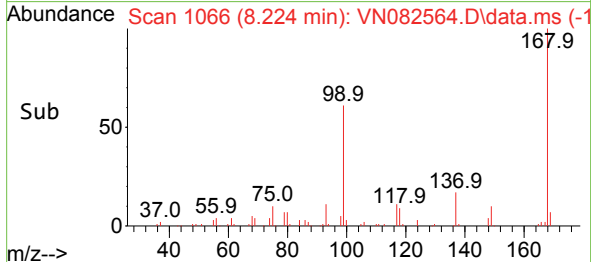
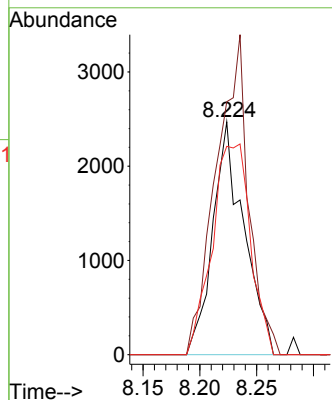
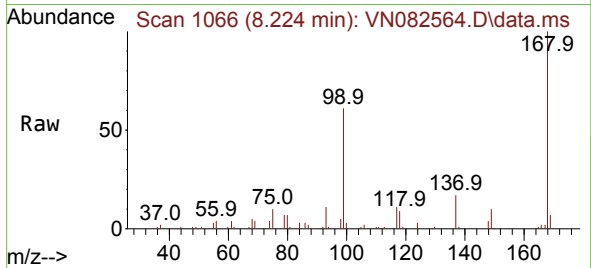




#31
Cyclohexane
Concen: 1.213 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

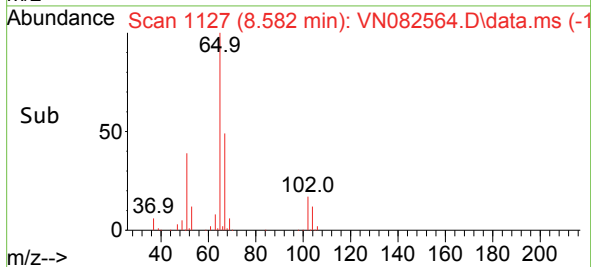
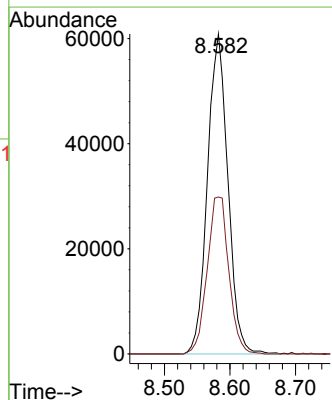
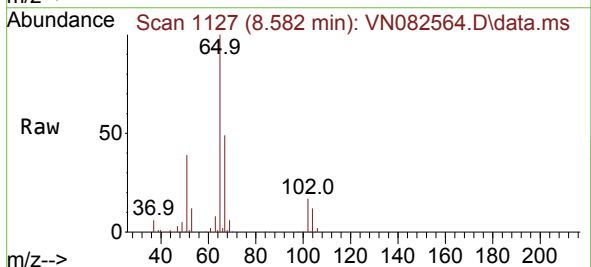
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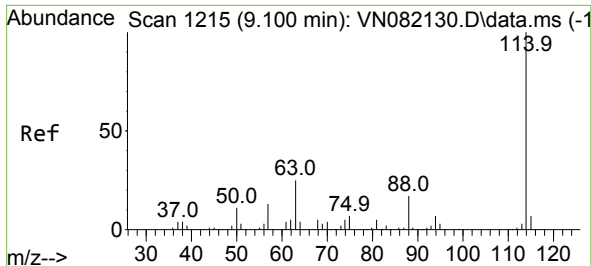
Tgt Ion: 56 Resp: 4704
Ion Ratio Lower Upper
56 100
69 108.7 24.4 36.6#
84 89.4 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 54.400 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion: 65 Resp: 132065
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.0

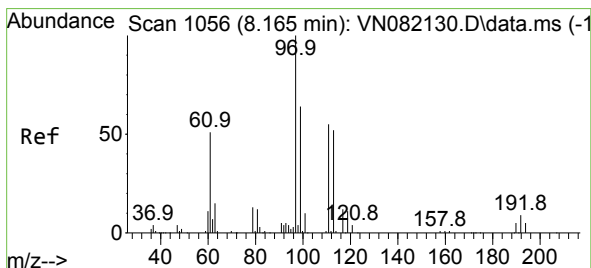
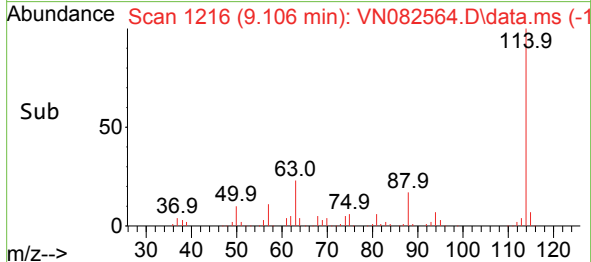
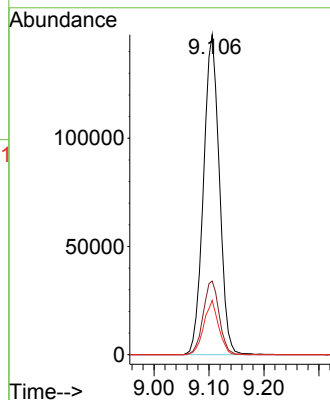
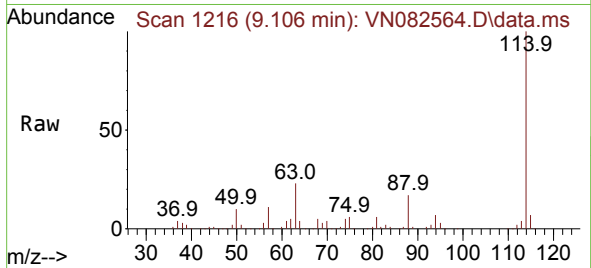




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

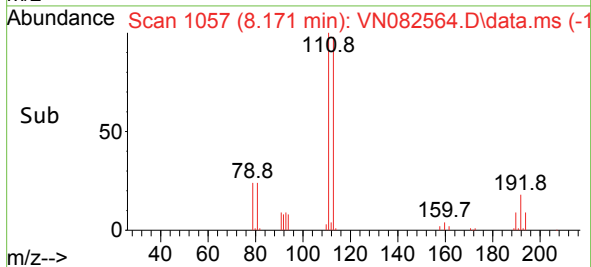
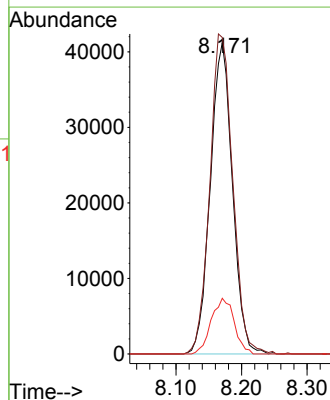
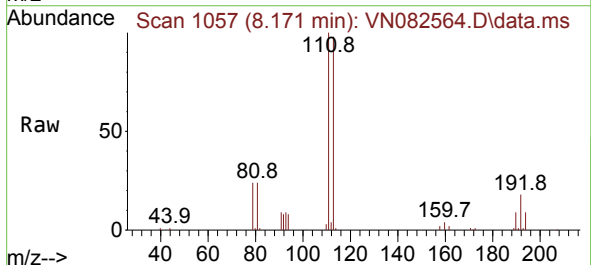
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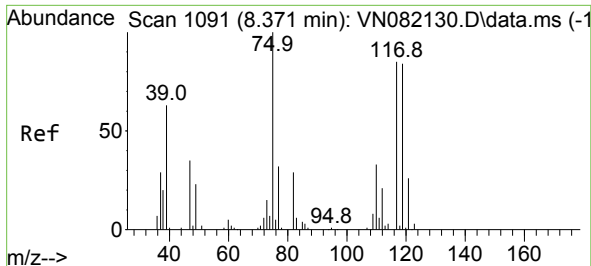
Tgt Ion:114 Resp: 296170
Ion Ratio Lower Upper
114 100
63 23.0 0.0 41.0
88 16.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.950 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion:113 Resp: 96469
Ion Ratio Lower Upper
113 100
111 106.6 83.4 125.2
192 18.6 14.0 21.0

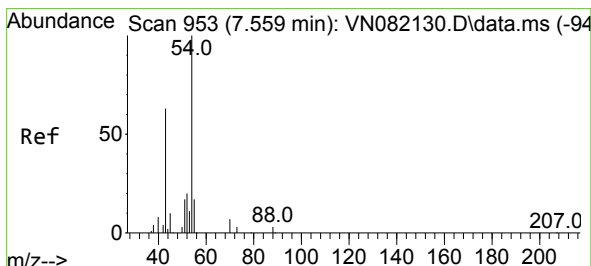
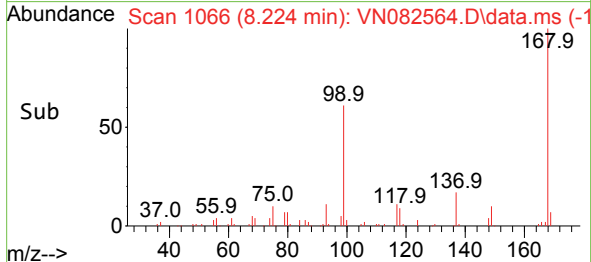
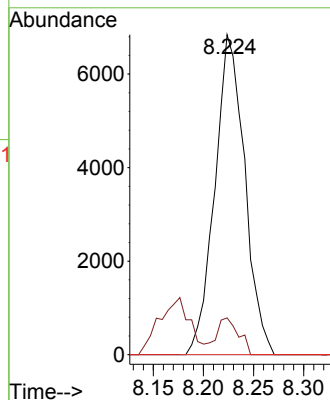
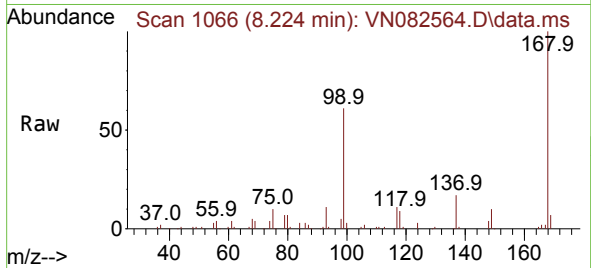




#36
1,1-Dichloropropene
Concen: 4.647 ug/l
RT: 8.224 min Scan# 1091
Delta R.T. -0.147 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

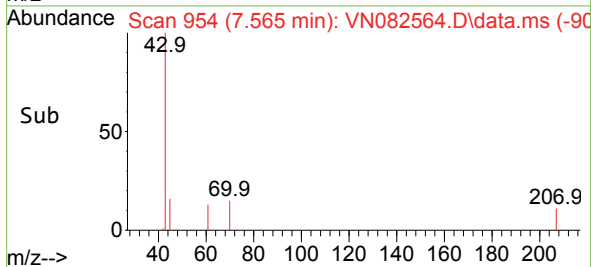
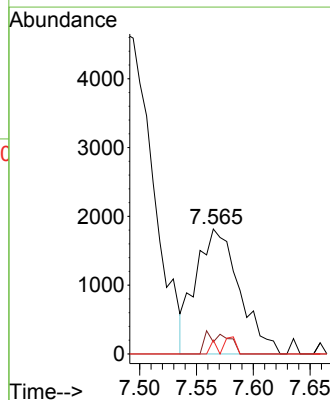
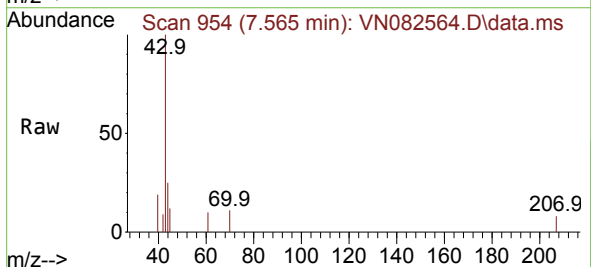
Instrument :
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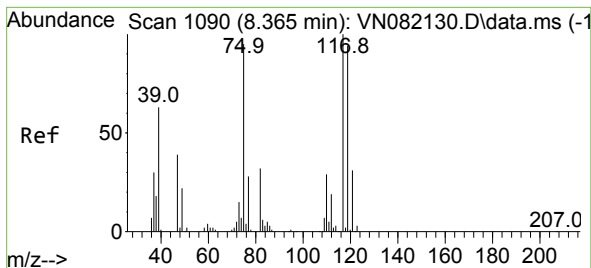
Tgt Ion: 75 Resp: 14200
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.419 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion: 43 Resp: 4853
Ion Ratio Lower Upper
43 100
61 9.0 11.3 16.9#
70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.568 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN082564.D

Acq: 13 Jun 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

12

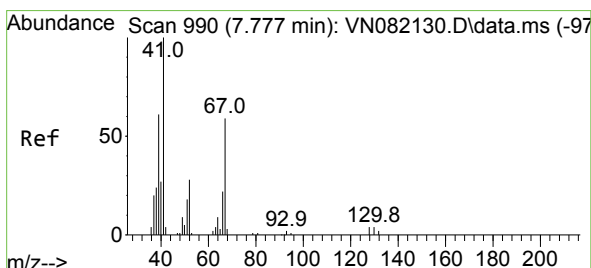
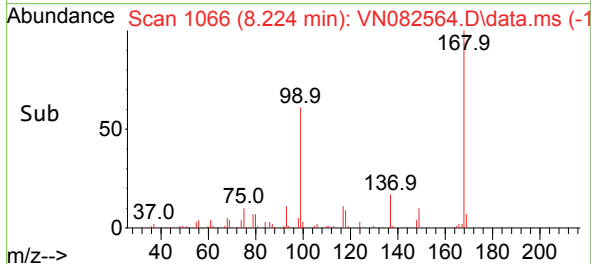
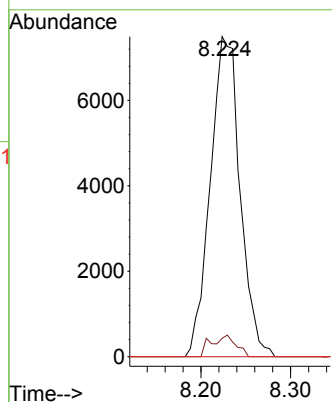
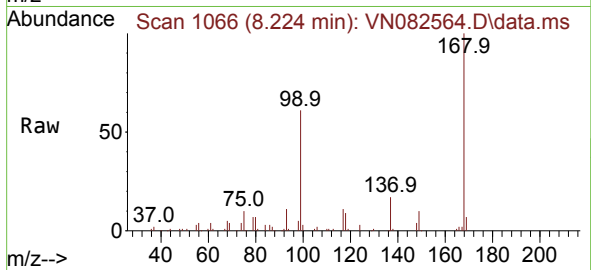
Tgt Ion:117 Resp: 17247

Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 0.266 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.088 min

Lab File: VN082564.D

Acq: 13 Jun 2024 17:09

Tgt Ion: 41 Resp: 535

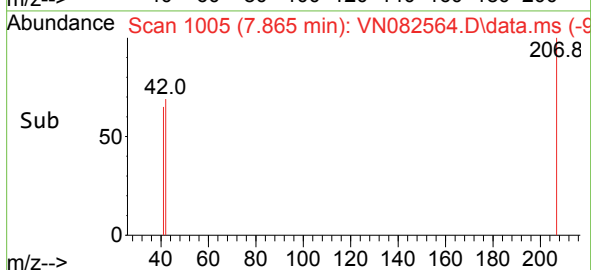
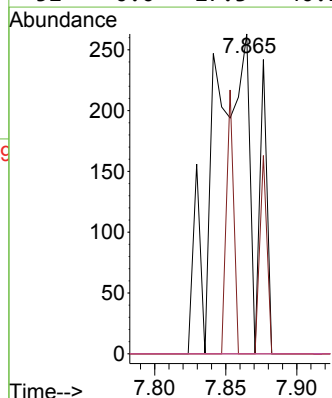
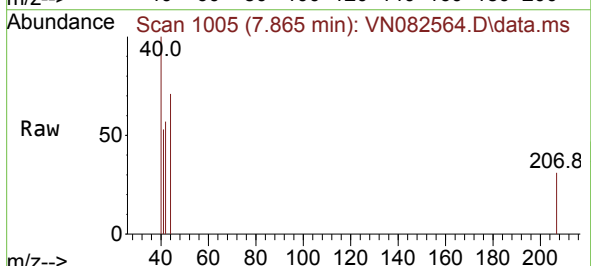
Ion Ratio Lower Upper

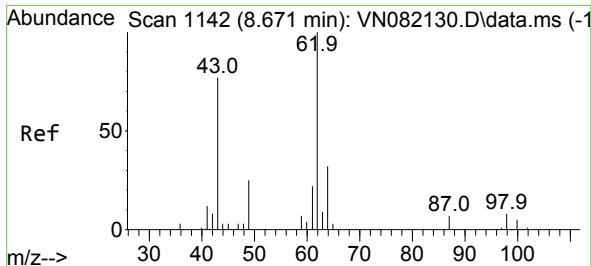
41 100

39 10.7 46.6 69.8#

67 0.0 67.3 100.9#

52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.292 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN082564.D

Acq: 13 Jun 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

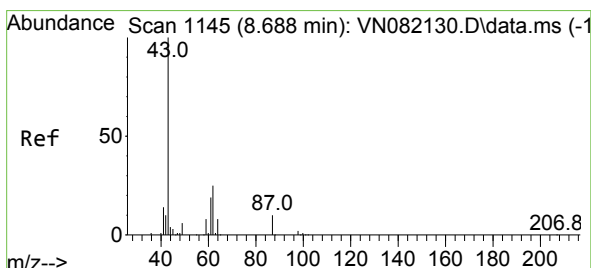
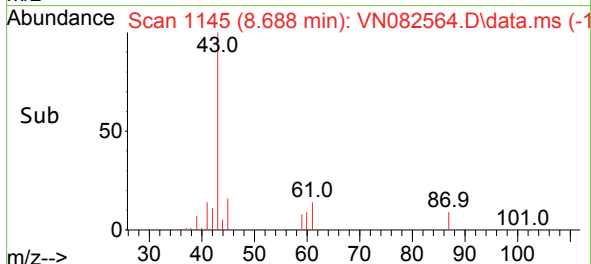
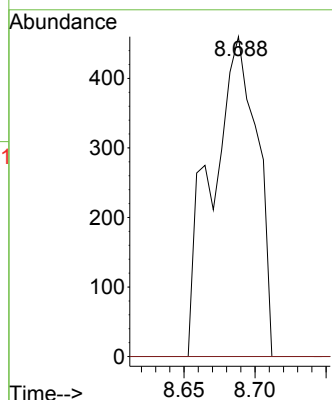
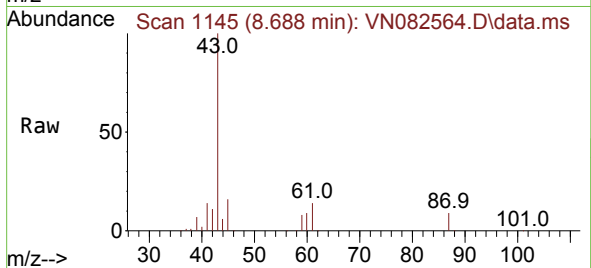
12

Tgt Ion: 62 Resp: 1024

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 48.898 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082564.D

Acq: 13 Jun 2024 17:09

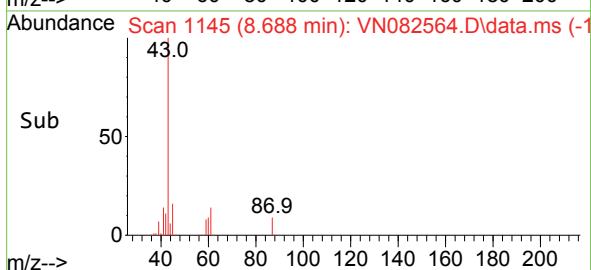
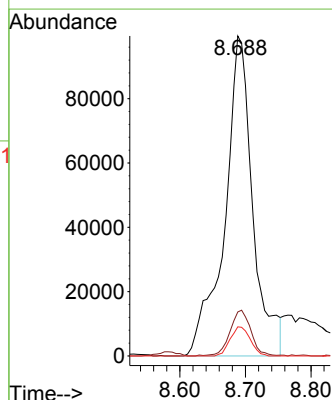
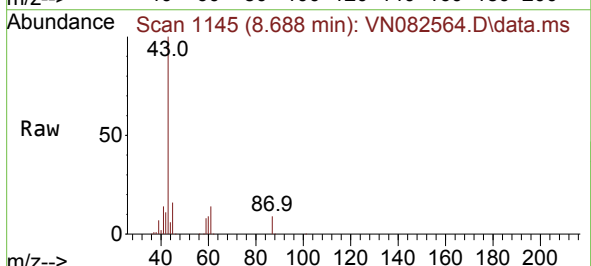
Tgt Ion: 43 Resp: 296286

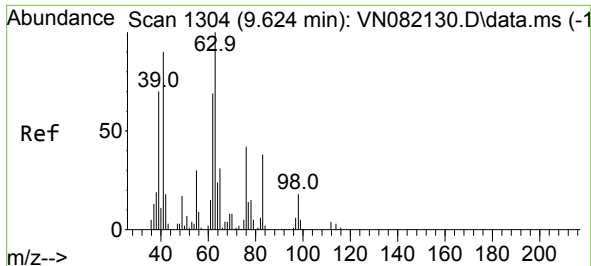
Ion Ratio Lower Upper

43 100

61 10.7 22.8 34.2#

87 6.5 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.802 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN082564.D

Acq: 13 Jun 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

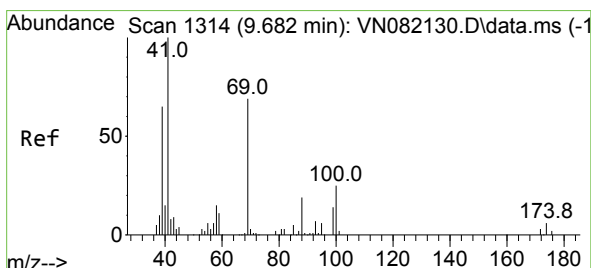
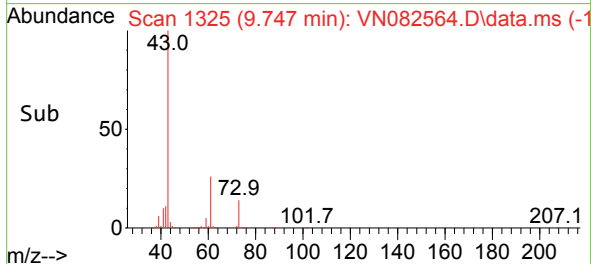
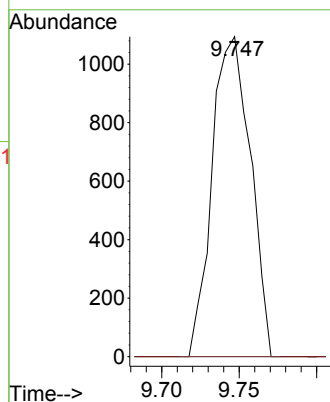
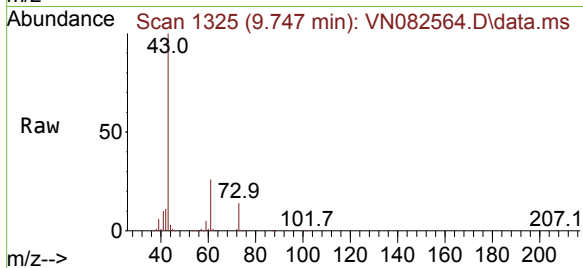
12

Tgt Ion: 63 Resp: 1885

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 2.149 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082564.D

Acq: 13 Jun 2024 17:09

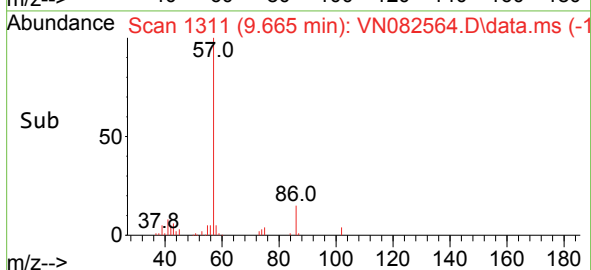
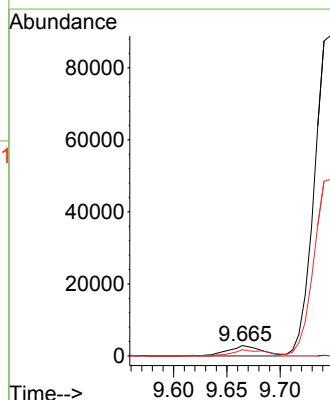
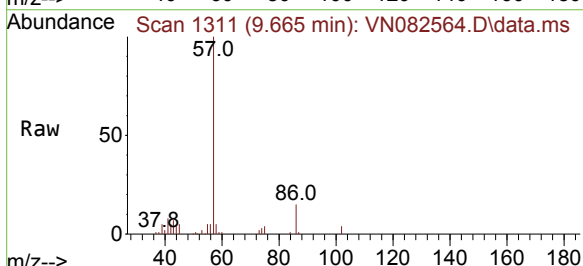
Tgt Ion: 41 Resp: 6204

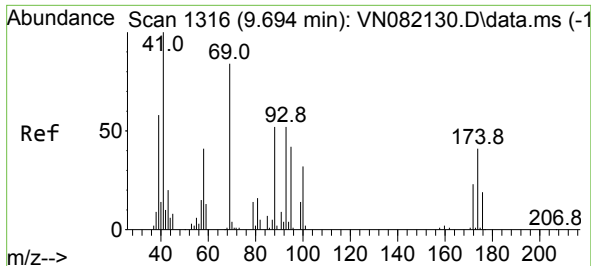
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 63.3 50.9 76.3





#49

1,4-Dioxane

Concen: 4.795 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN082564.D

Acq: 13 Jun 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

12

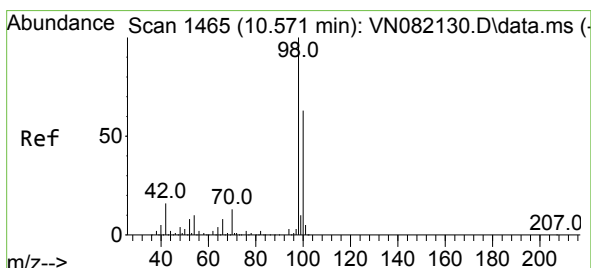
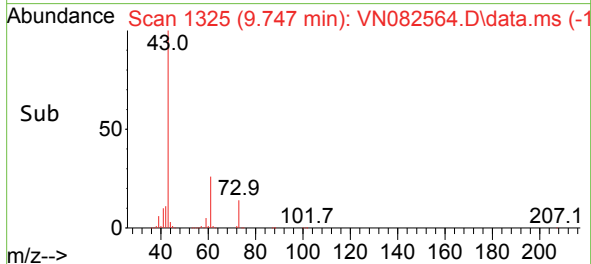
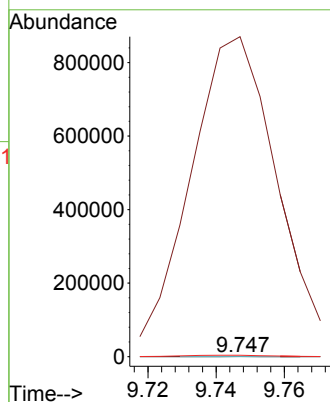
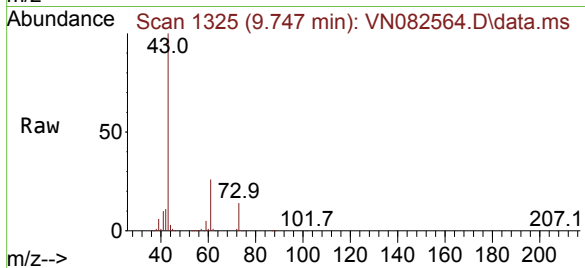
Tgt Ion: 88 Resp: 194

Ion Ratio Lower Upper

88 100

43 809660.3 19.0 28.6#

58 3880.4 50.6 76.0#



#50

Toluene-d8

Concen: 54.751 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082564.D

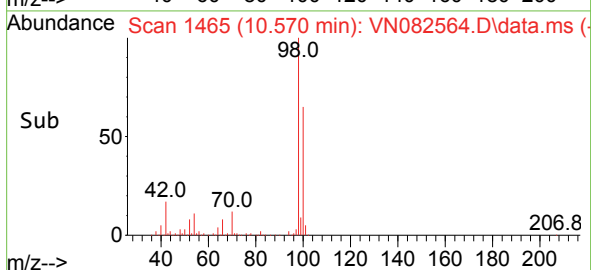
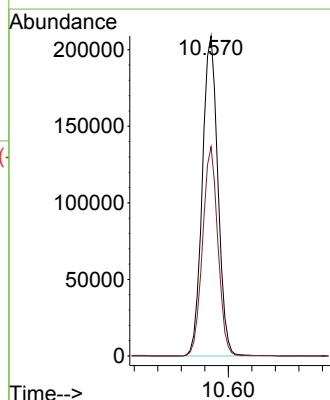
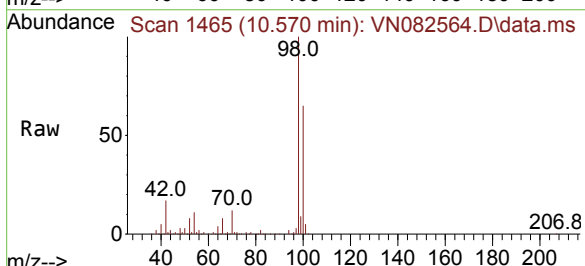
Acq: 13 Jun 2024 17:09

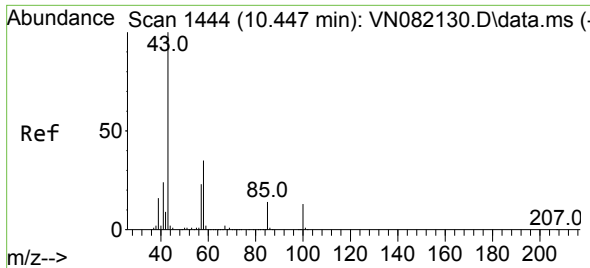
Tgt Ion: 98 Resp: 382440

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.6

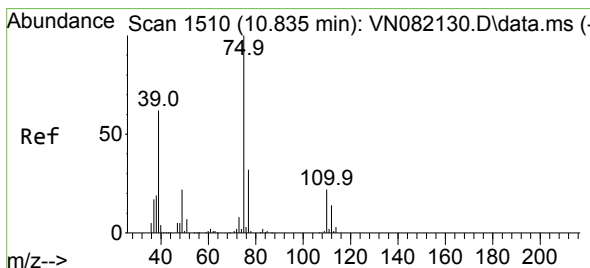
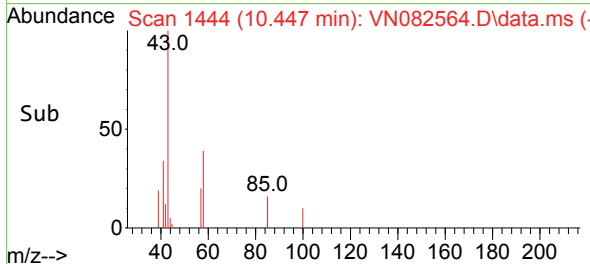
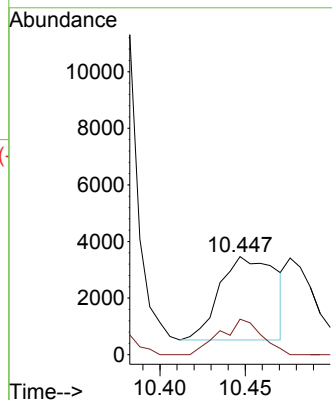
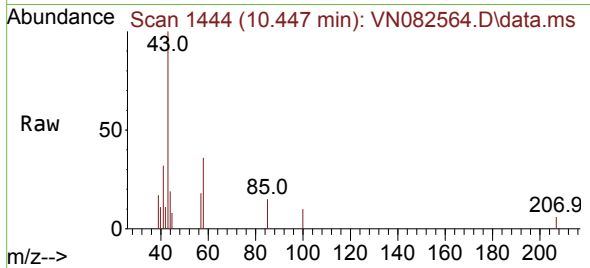




#51
4-Methyl-2-Pentanone
Concen: 1.964 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

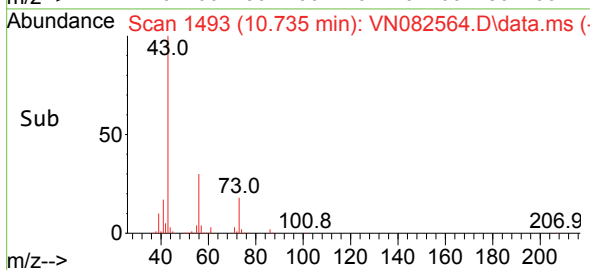
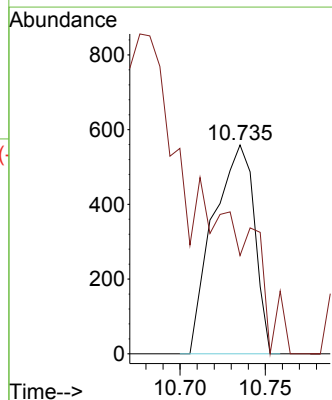
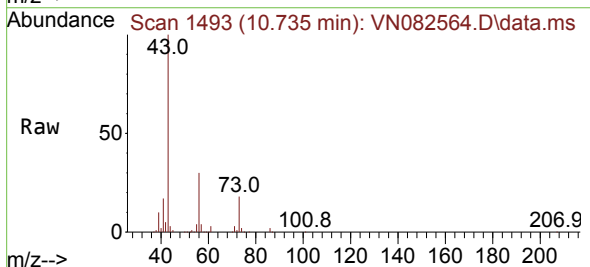
Instrument : MSVOA_N
ClientSampleId : 12

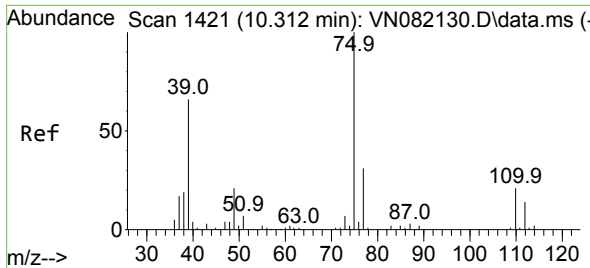
Tgt Ion: 43 Resp: 6760
Ion Ratio Lower Upper
43 100
58 31.5 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion: 75 Resp: 937
Ion Ratio Lower Upper
75 100
77 17.0 25.4 38.0#

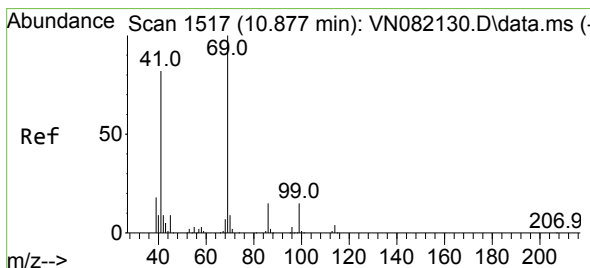
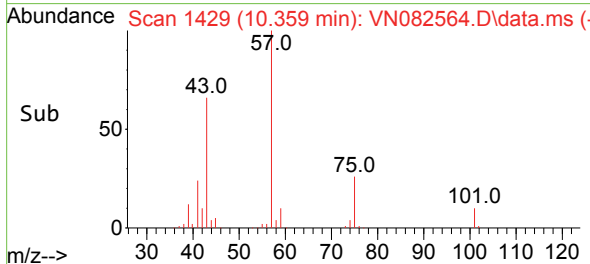
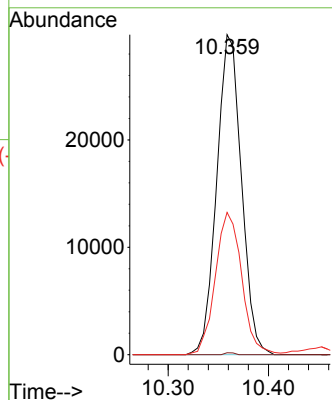
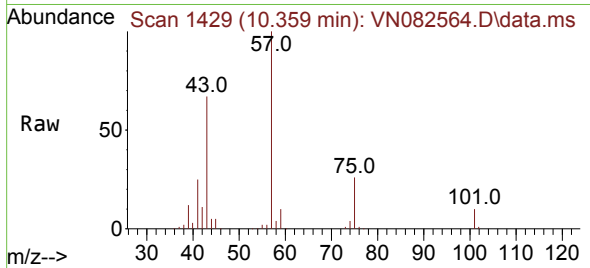




#54
 cis-1,3-Dichloropropene
 Concen: 14.283 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082564.D
 Acq: 13 Jun 2024 17:09

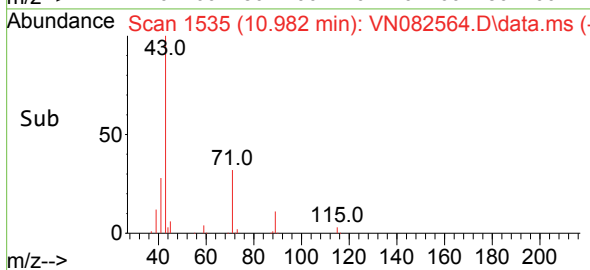
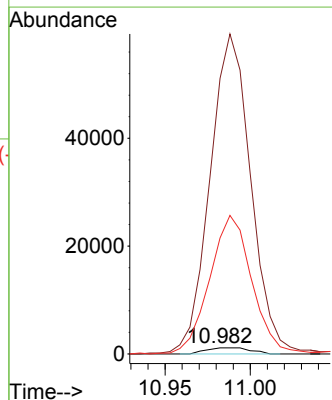
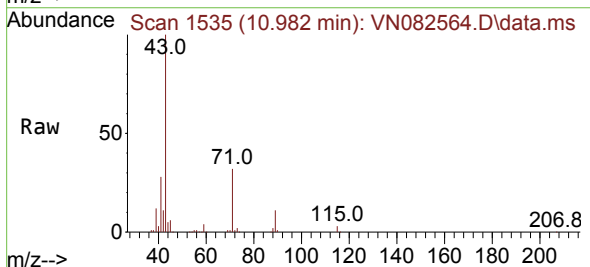
Instrument :
 MSVOA_N
 ClientSampleId :
 12

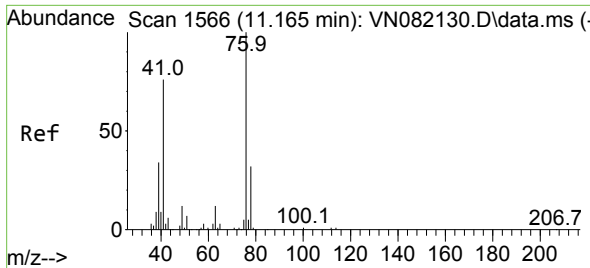
Tgt Ion: 75 Resp: 50951
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 44.5 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.613 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082564.D
 Acq: 13 Jun 2024 17:09

Tgt Ion: 69 Resp: 2068
 Ion Ratio Lower Upper
 69 100
 41 4809.1 46.6 70.0#
 39 2143.6 26.5 39.7#

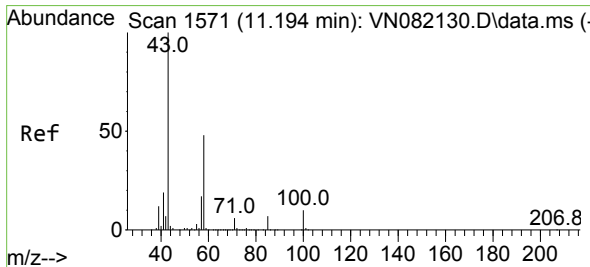
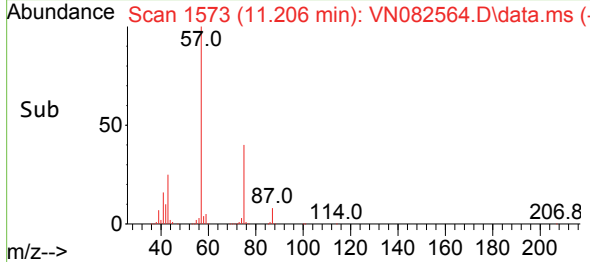
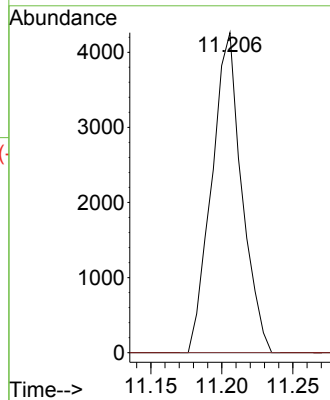
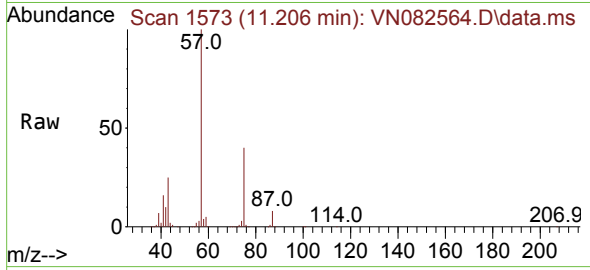




#57
1,3-Dichloropropane
Concen: 1.688 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

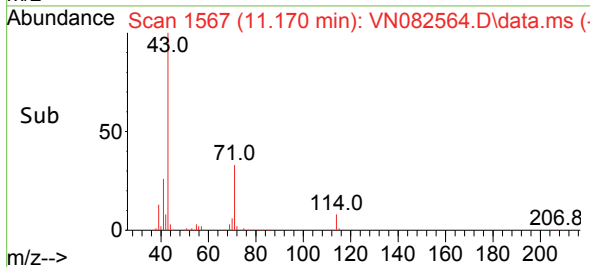
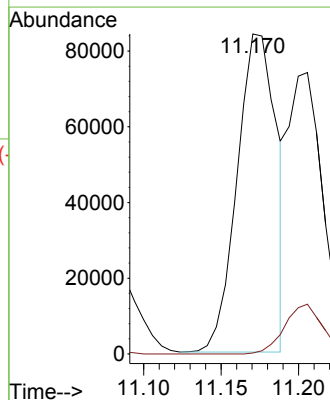
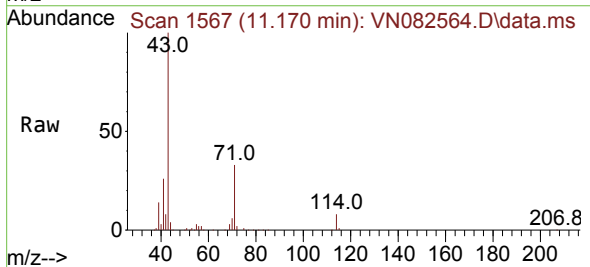
Instrument :
MSVOA_N
ClientSampleId :
12

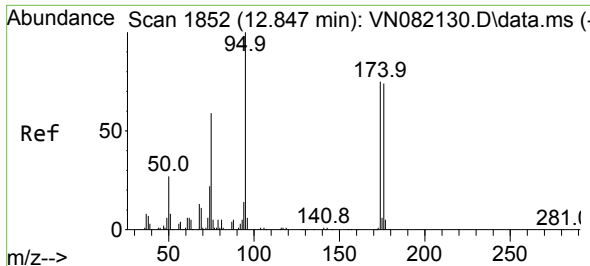
Tgt Ion: 76 Resp: 6271
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 59.036 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion: 43 Resp: 148817
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

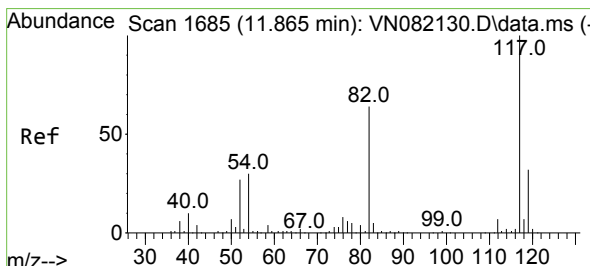
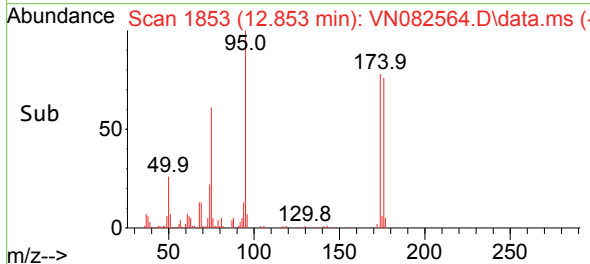
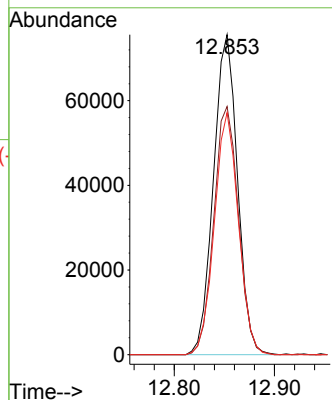
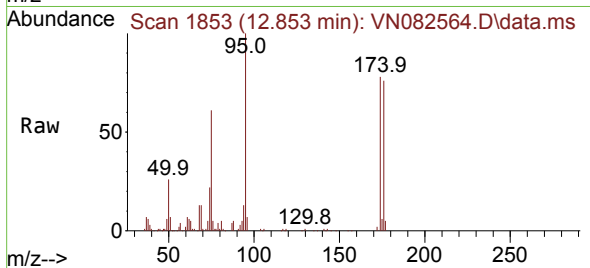




#62
4-Bromofluorobenzene
Concen: 50.452 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

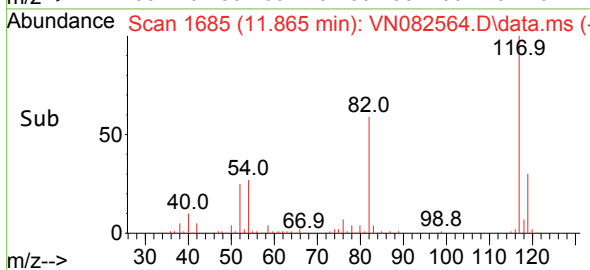
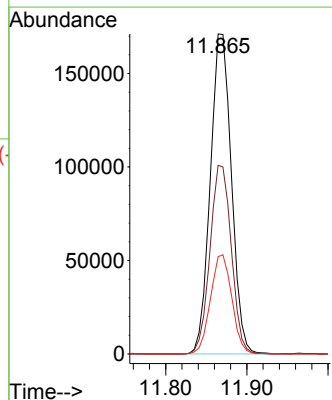
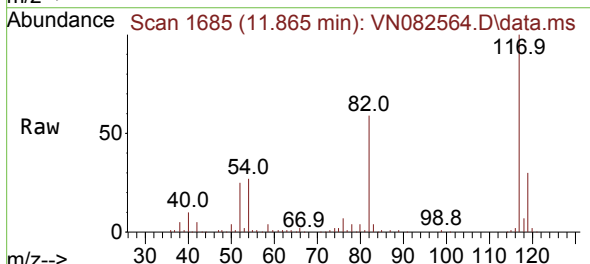
Instrument :
MSVOA_N
ClientSampleId :
12

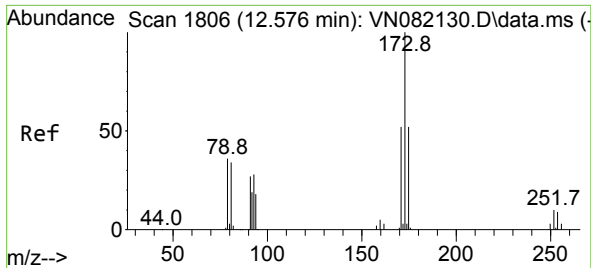
Tgt Ion: 95 Resp: 125784
Ion Ratio Lower Upper
95 100
174 79.5 0.0 160.6
176 75.8 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion: 117 Resp: 309375
Ion Ratio Lower Upper
117 100
82 58.9 44.6 66.8
119 30.4 25.9 38.9

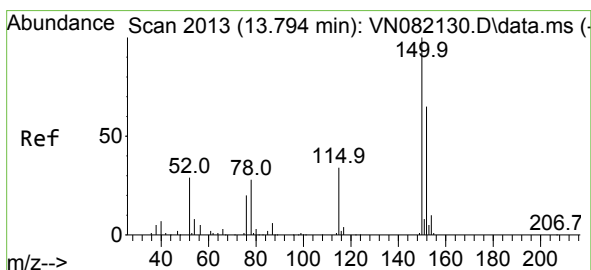
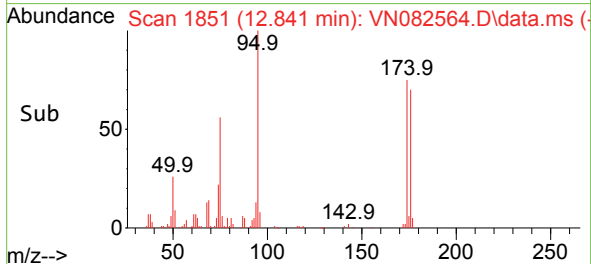
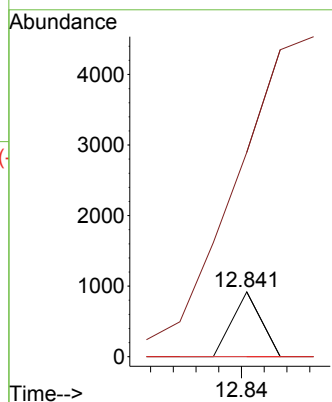
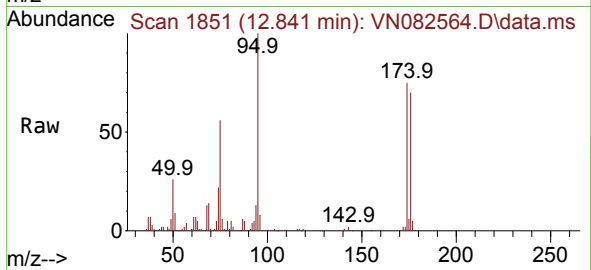




#71
Bromoform
Concen: 0.879 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

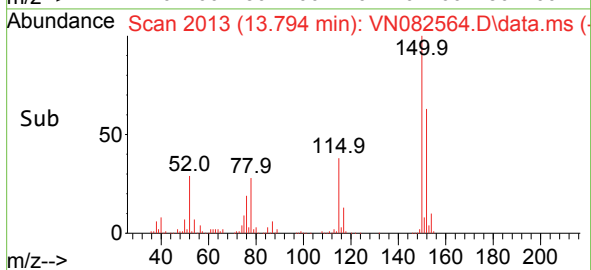
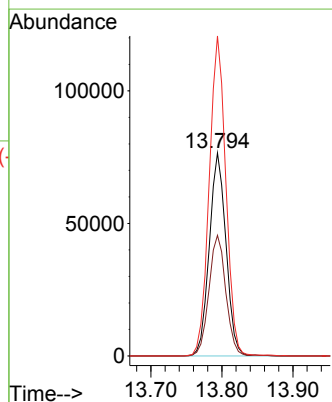
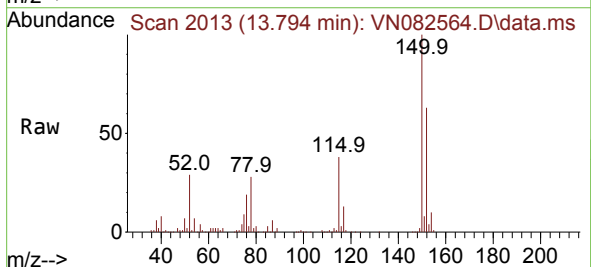
Instrument :
MSVOA_N
ClientSampleId :
12

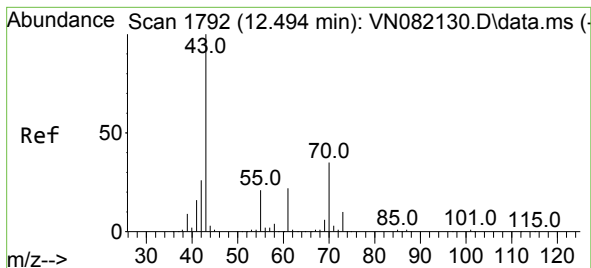
Tgt Ion:173 Resp: 324
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082564.D
Acq: 13 Jun 2024 17:09

Tgt Ion:152 Resp: 125014
Ion Ratio Lower Upper
152 100
115 60.2 30.4 91.3
150 157.2 0.0 353.2





#74

N-amy1 acetate

Concen: 0.895 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN082564.D

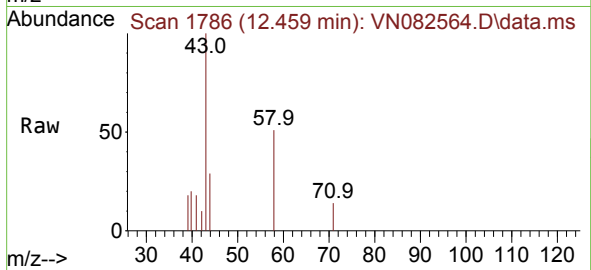
Acq: 13 Jun 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

12



Tgt Ion: 43 Resp: 4887

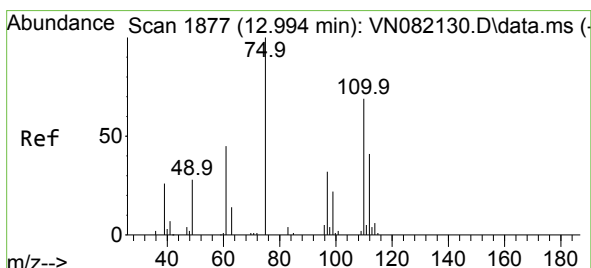
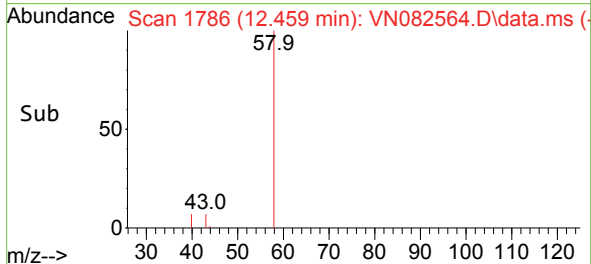
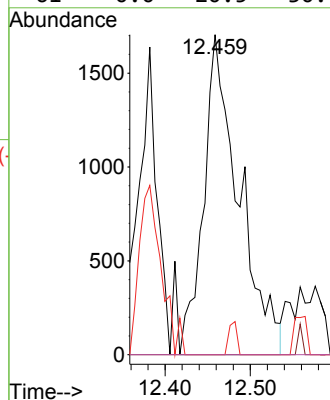
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 27.589 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082564.D

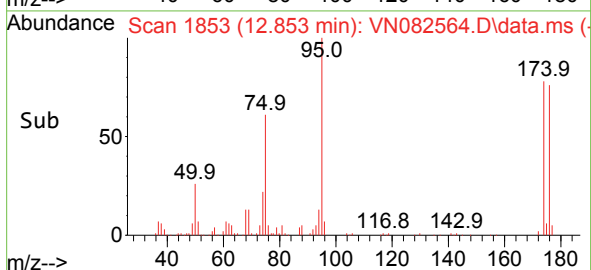
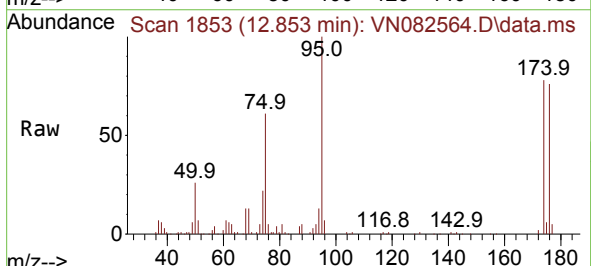
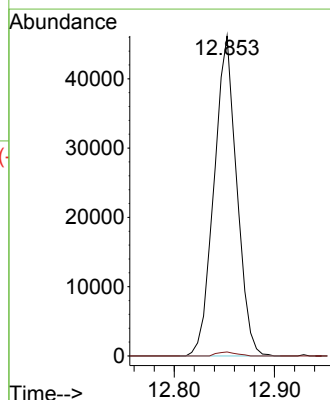
Acq: 13 Jun 2024 17:09

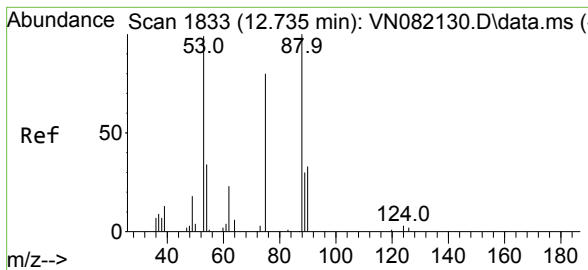
Tgt Ion: 75 Resp: 72594

Ion Ratio Lower Upper

75 100

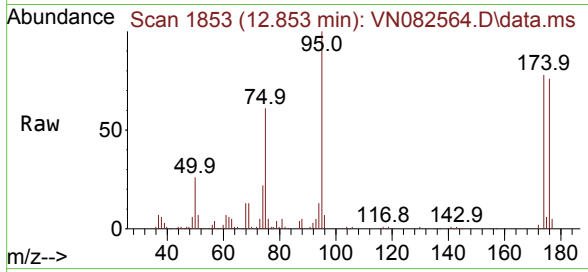
77 1.1 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.530 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN082564.D
 Acq: 13 Jun 2024 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 12



Tgt Ion: 75 Resp: 72594
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.9 109.3#
 89 0.0 39.1 58.7#

