

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061324\
 Data File : VN082567.D
 Acq On : 13 Jun 2024 18:22
 Operator : JC\MD
 Sample : P2864-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-I

Quant Time: Jun 14 02:33:37 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)

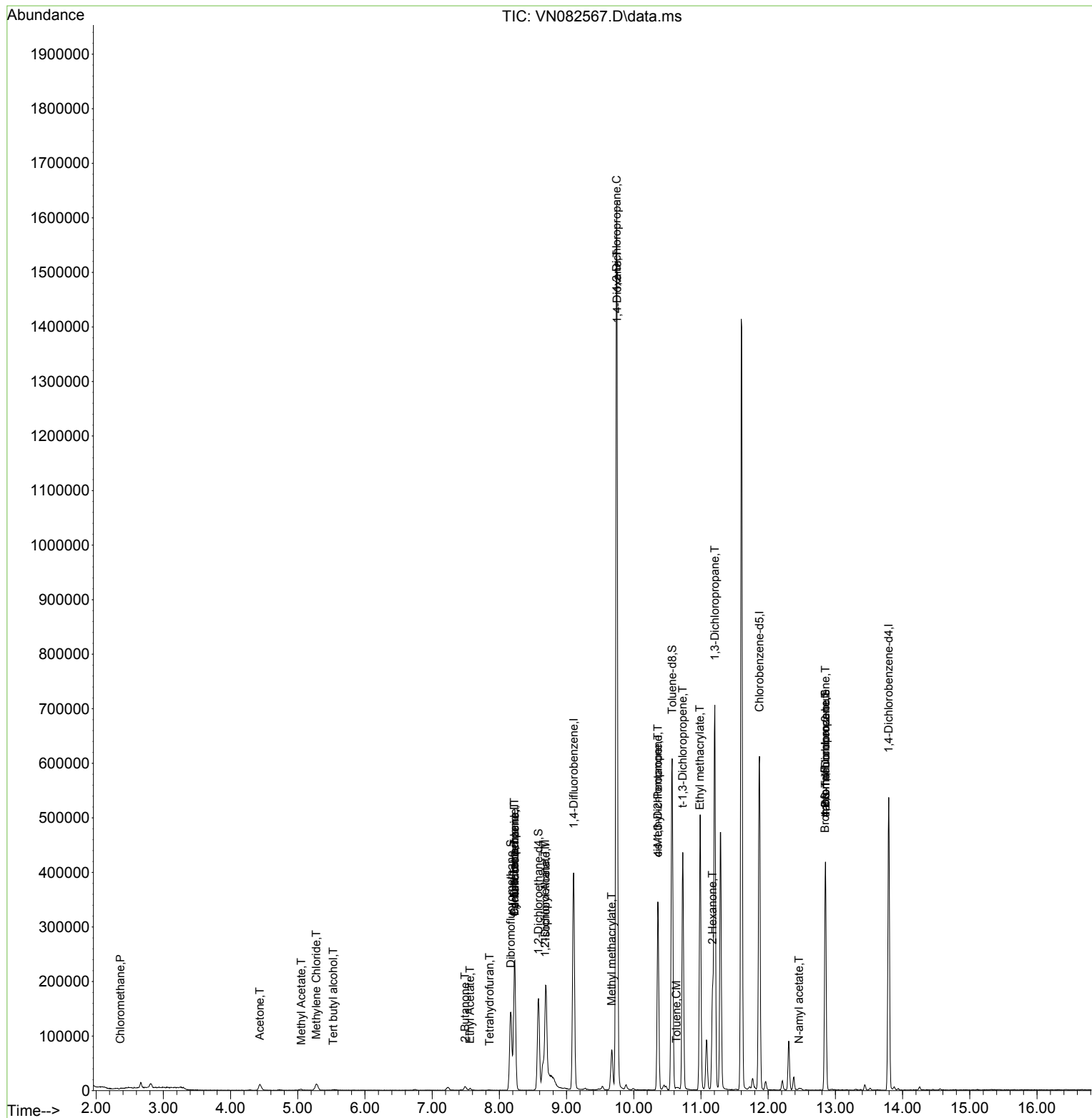
Internal Standards						
1) Pentafluorobenzene	8.230	168	163974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	316572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	320999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	138795	53.606	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.220%	
35) Dibromofluoromethane	8.171	113	101473	52.107	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.220%	
50) Toluene-d8	10.571	98	399360	53.489	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.980%	
62) 4-Bromofluorobenzene	12.853	95	132497	49.720	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 99.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	558	0.208	ug/l #	43
11) Tert butyl alcohol	5.530	59	1189	2.861	ug/l #	71
16) Acetone	4.436	43	20797	19.580	ug/l	91
18) Methyl Acetate	5.053	43	3565	1.348	ug/l #	63
20) Methylene Chloride	5.277	84	8162	3.809	ug/l #	79
25) 2-Butanone	7.489	43	11838	7.351	ug/l	93
29) Tetrahydrofuran	7.853	42	800	0.774	ug/l #	29
31) Cyclohexane	8.224	56	4926	1.191	ug/l #	53
36) 1,1-Dichloropropene	8.224	75	15254	4.670	ug/l #	50
37) Ethyl Acetate	7.565	43	4702	1.286	ug/l #	82
38) Carbon Tetrachloride	8.224	117	18029	5.445	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1038	0.277	ug/l #	73
43) Isopropyl Acetate	8.688	43	321464	49.634	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1898	0.755	ug/l #	45
48) Methyl methacrylate	9.671	41	5758	1.866	ug/l #	40
49) 1,4-Dioxane	9.753	88	70	1.619	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	134551	36.564	ug/l #	44
52) Toluene	10.635	92	1307	0.224	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	844	0.234	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	50825	13.330	ug/l #	76
56) Ethyl methacrylate	10.982	69	2116	0.587	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7089	1.785	ug/l #	42
59) 2-Hexanone	11.171	43	150576	55.884	ug/l #	23
71) Bromoform	12.847	173	661	1.052	ug/l #	28
74) N-amyl acetate	12.459	43	4231	0.718	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	76195	26.850	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76195	62.801	ug/l #	13

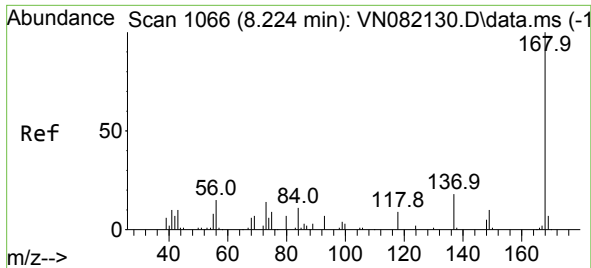
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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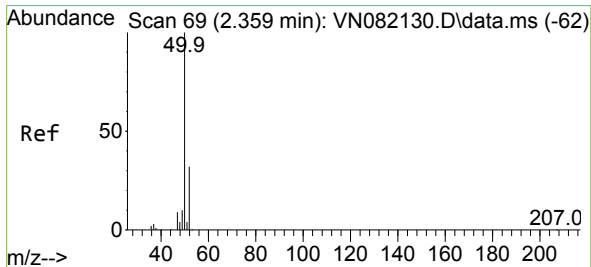
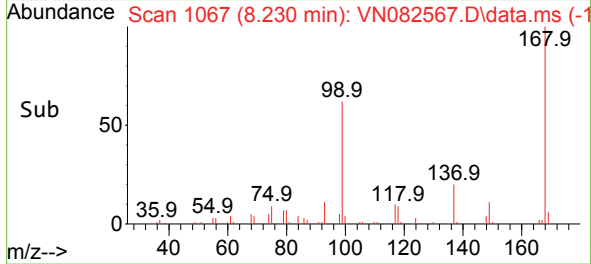
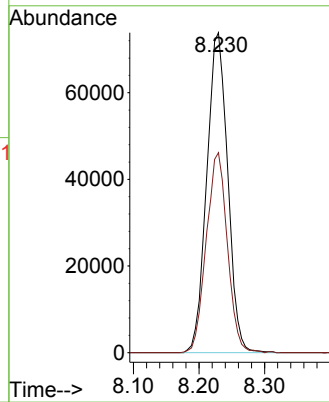
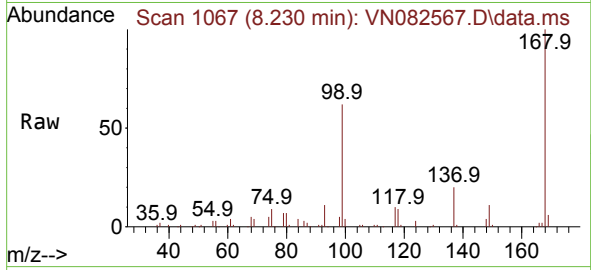




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

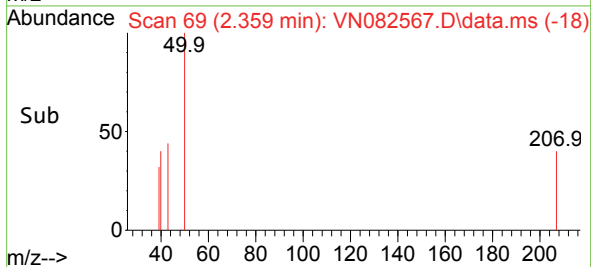
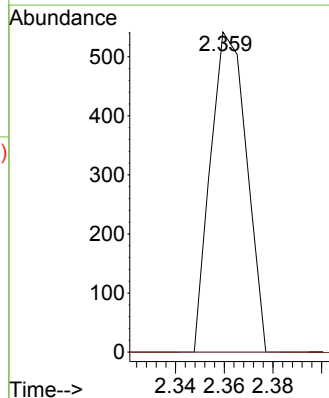
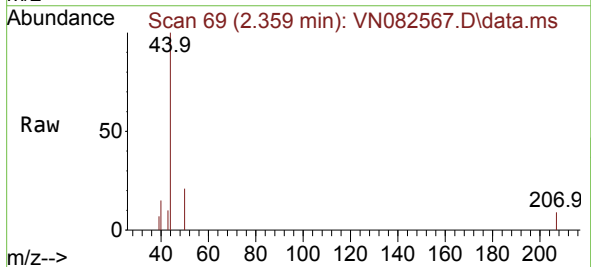
Instrument :
MSVOA_N
ClientSampleId :
WC-I

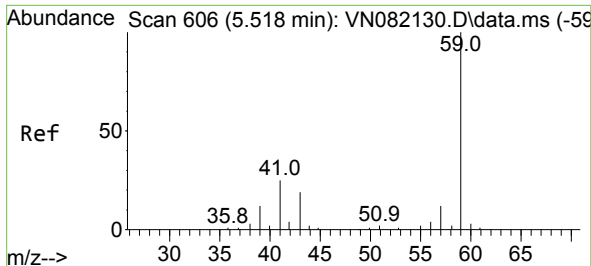
Tgt Ion:168 Resp: 163974
Ion Ratio Lower Upper
168 100
99 62.5 48.2 72.4



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 50 Resp: 558
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

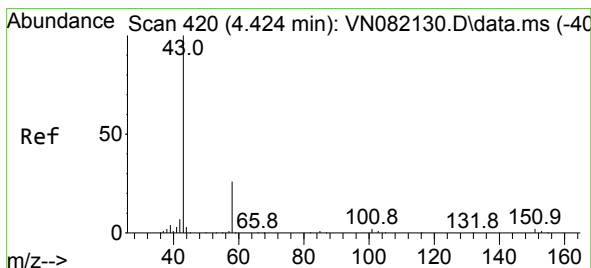
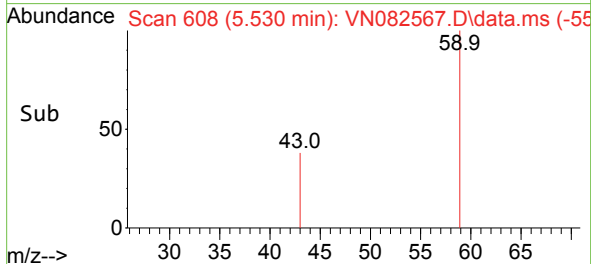
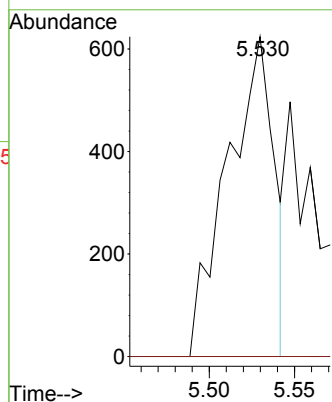
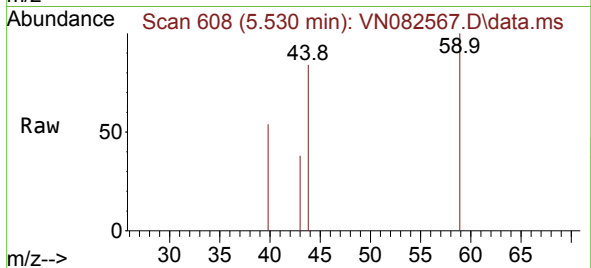




#11
Tert butyl alcohol
Concen: 2.861 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

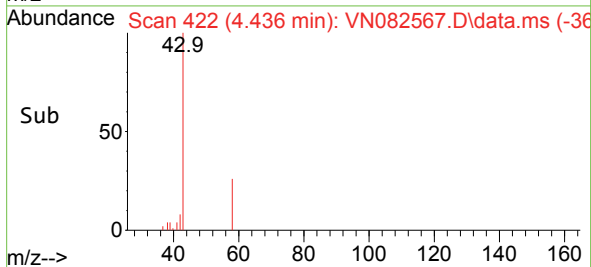
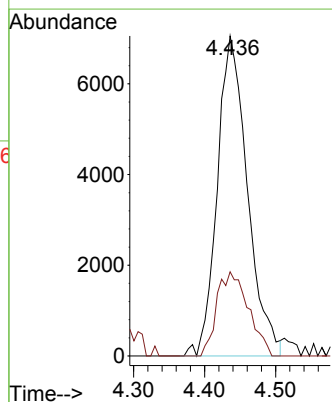
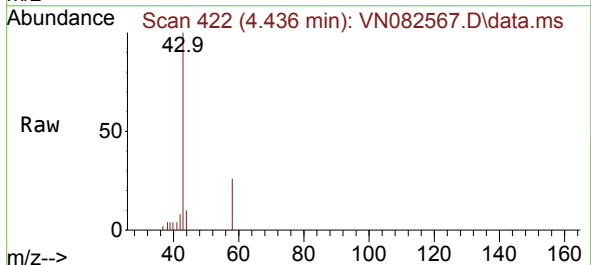
Instrument :
MSVOA_N
ClientSampleId :
WC-I

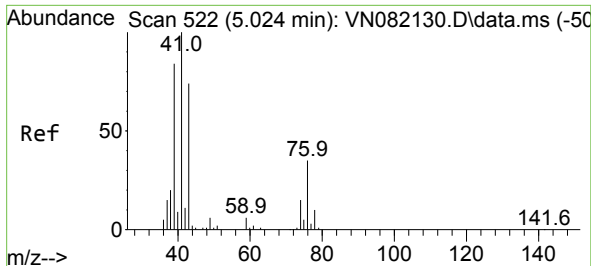
Tgt Ion: 59 Resp: 1189
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 19.580 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 43 Resp: 20797
Ion Ratio Lower Upper
43 100
58 26.3 25.2 37.8





#18

Methyl Acetate

Concen: 1.348 ug/l

RT: 5.053 min Scan# 51

Delta R.T. 0.029 min

Lab File: VN082567.D

Acq: 13 Jun 2024 18:22

Instrument :

MSVOA_N

ClientSampleId :

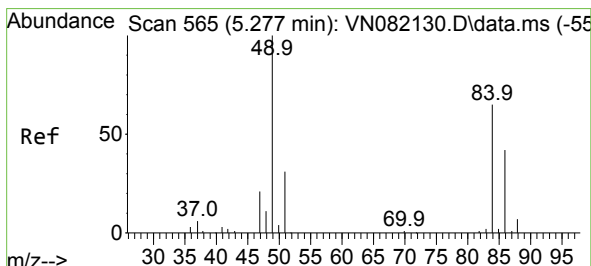
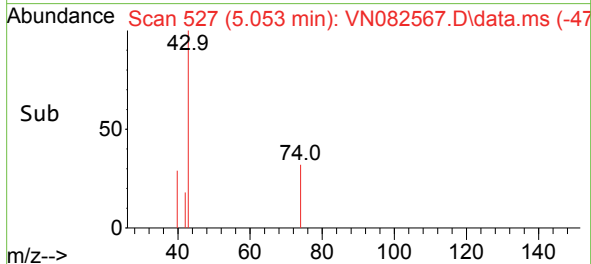
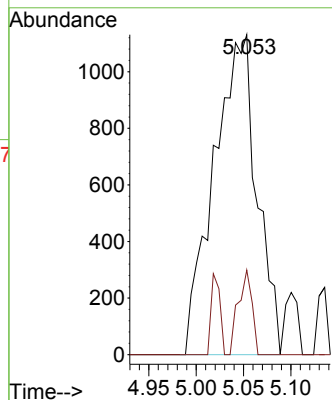
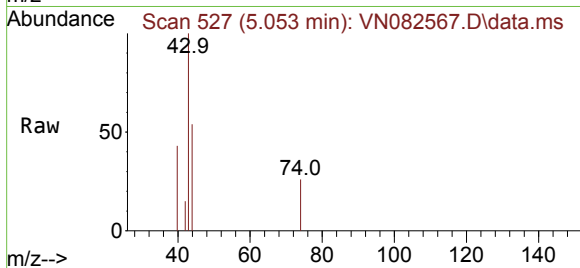
WC-I

Tgt Ion: 43 Resp: 3565

Ion Ratio Lower Upper

43 100

74 8.4 22.2 33.2#



#20

Methylene Chloride

Concen: 3.809 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN082567.D

Acq: 13 Jun 2024 18:22

Tgt Ion: 84 Resp: 8162

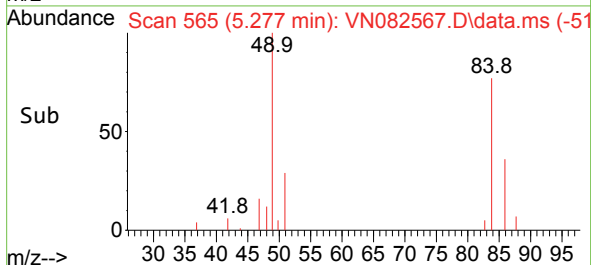
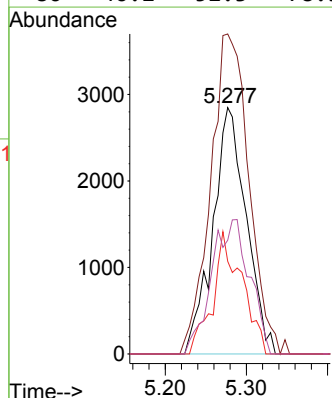
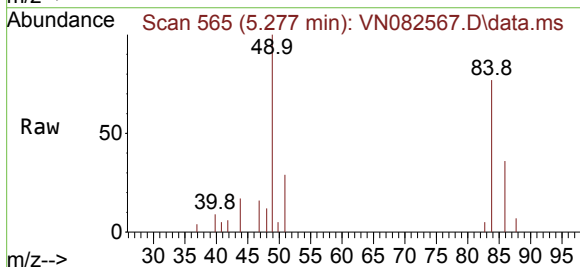
Ion Ratio Lower Upper

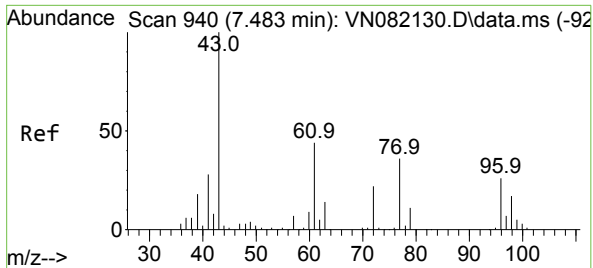
84 100

49 129.9 84.9 127.3#

51 37.6 27.0 40.6

86 46.2 52.3 78.5#

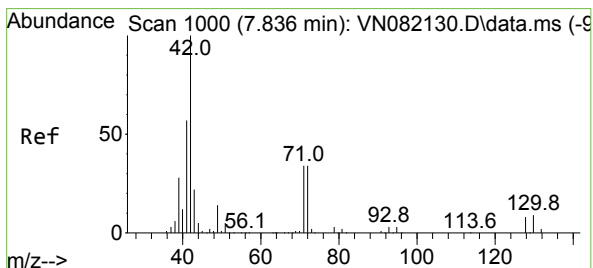
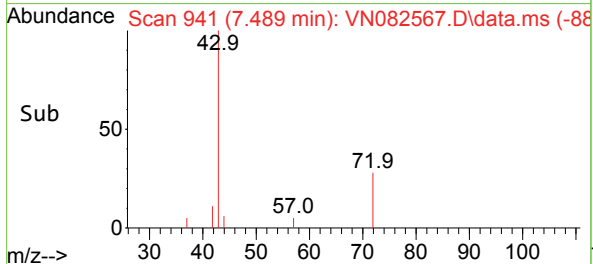
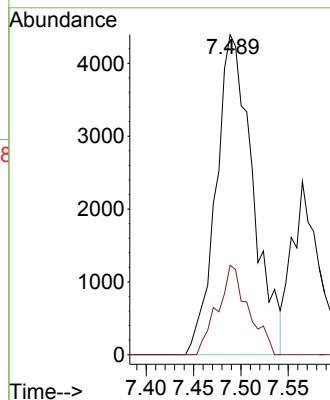
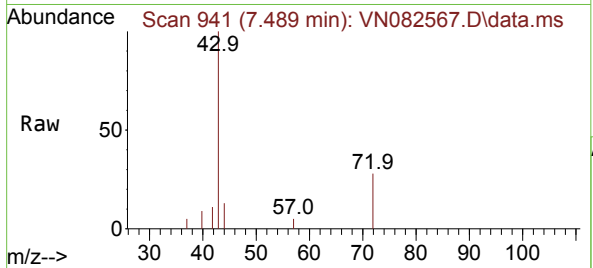




#25
2-Butanone
Concen: 7.351 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

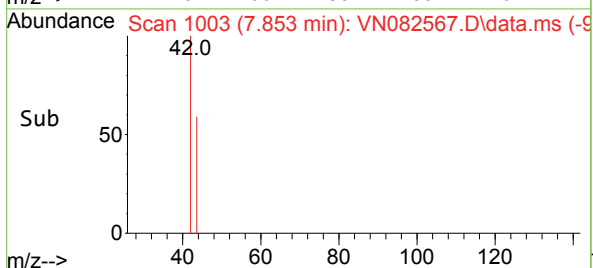
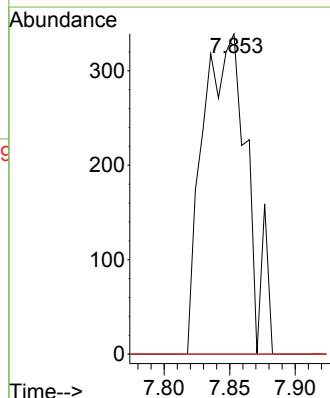
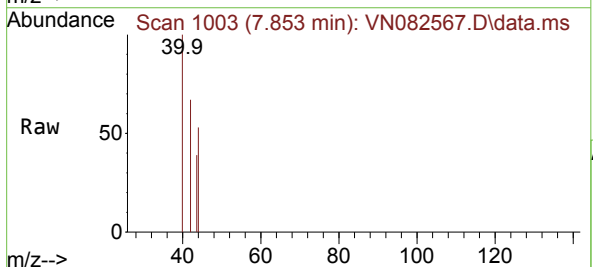
Instrument :
MSVOA_N
ClientSampleId :
WC-I

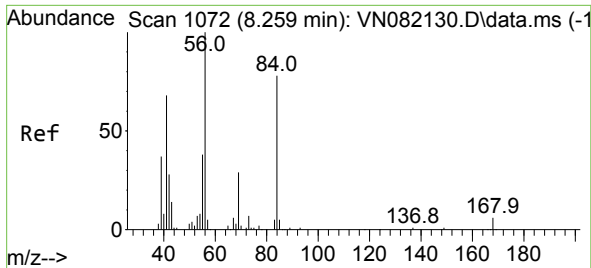
Tgt Ion: 43 Resp: 11838
Ion Ratio Lower Upper
43 100
72 27.9 25.3 37.9



#29
Tetrahydrofuran
Concen: 0.774 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

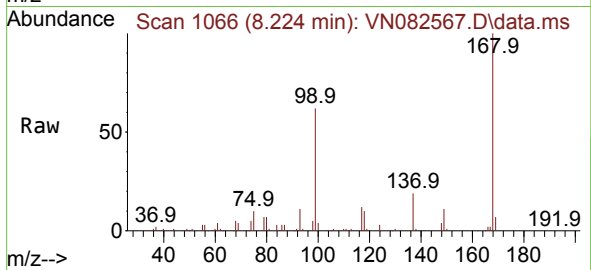
Tgt Ion: 42 Resp: 800
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



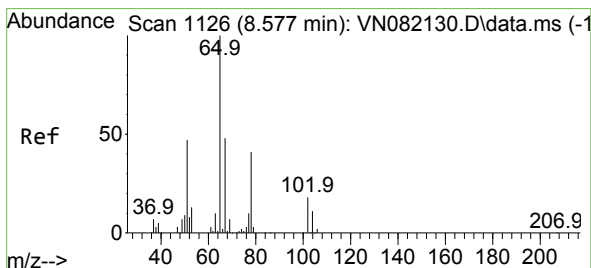
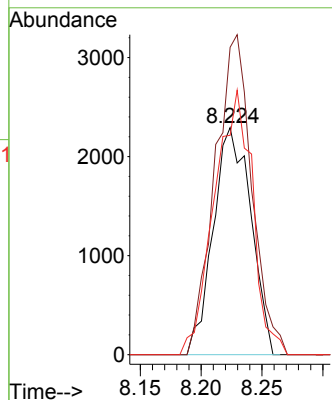
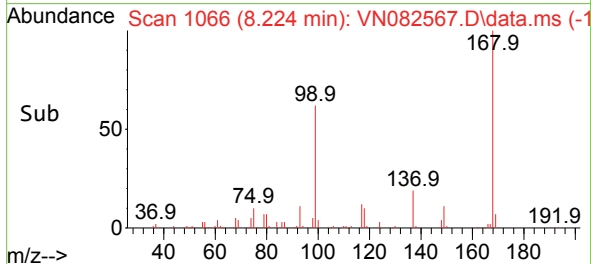


#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Instrument :
MSVOA_N
ClientSampleId :
WC-I

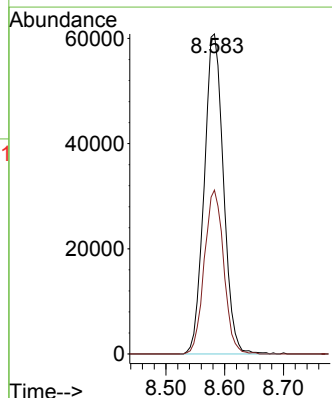
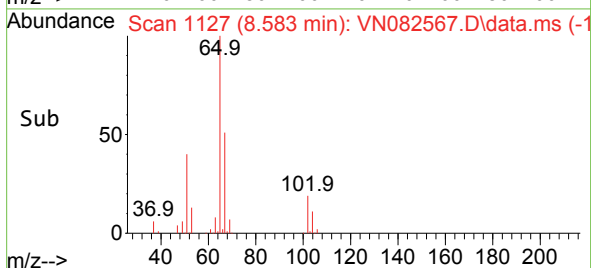
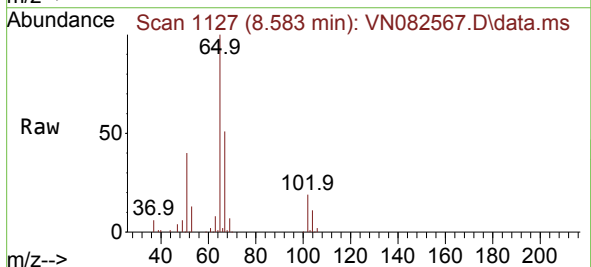


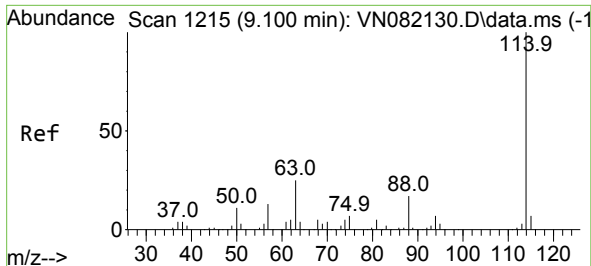
Tgt Ion: 56 Resp: 4926
Ion Ratio Lower Upper
56 100
69 135.4 24.4 36.6#
84 96.6 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 53.606 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 65 Resp: 138795
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082567.D

Acq: 13 Jun 2024 18:22

Instrument :

MSVOA_N

ClientSampleId :

WC-I

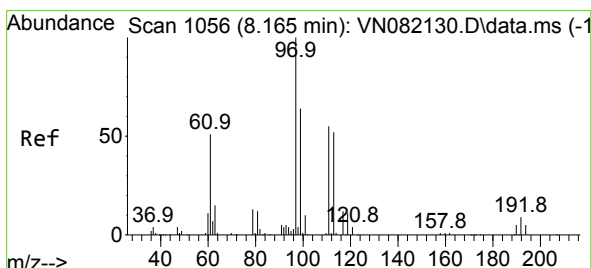
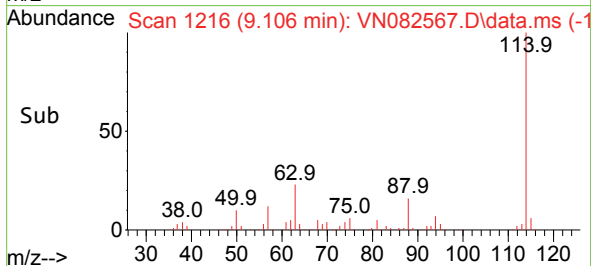
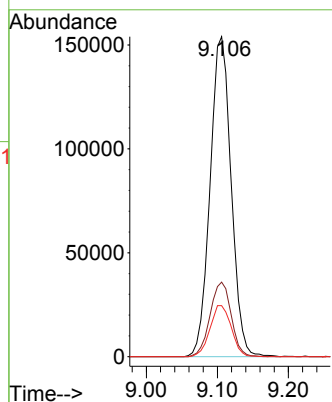
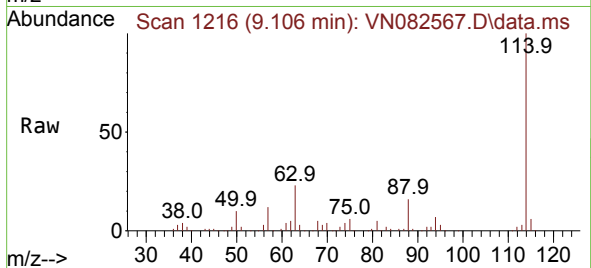
Tgt Ion:114 Resp: 316572

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.0

88 15.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.107 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082567.D

Acq: 13 Jun 2024 18:22

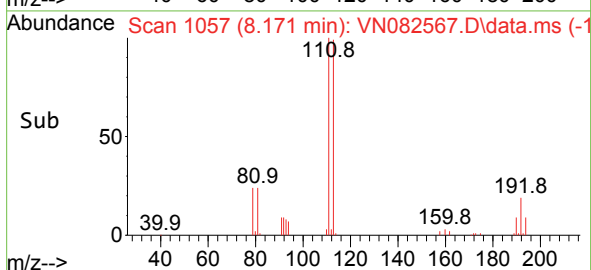
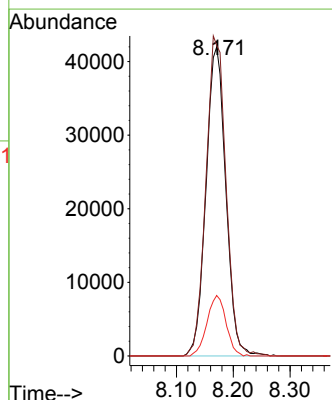
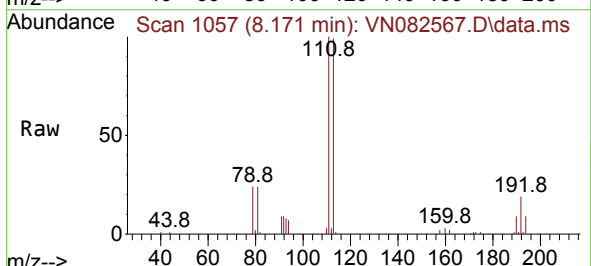
Tgt Ion:113 Resp: 101473

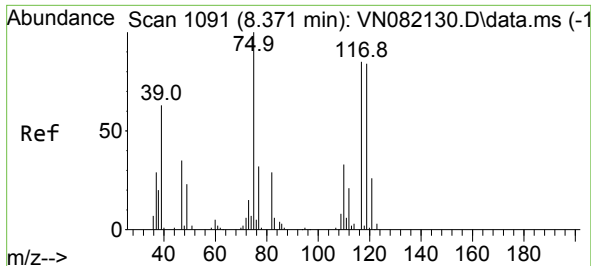
Ion Ratio Lower Upper

113 100

111 104.8 83.4 125.2

192 18.8 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN082567.D

Acq: 13 Jun 2024 18:22

Instrument :

MSVOA_N

ClientSampleId :

WC-I

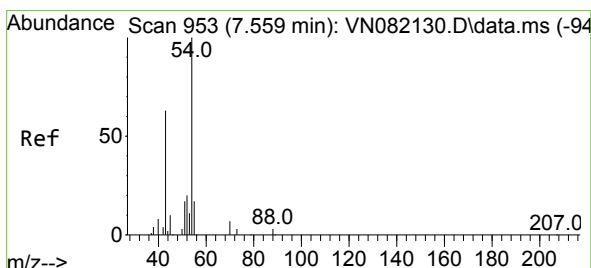
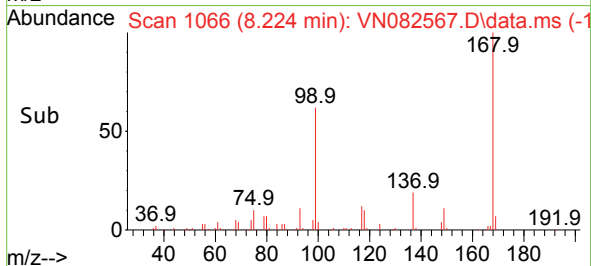
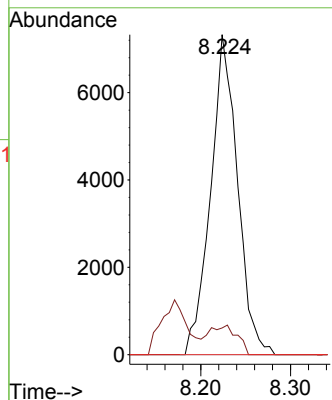
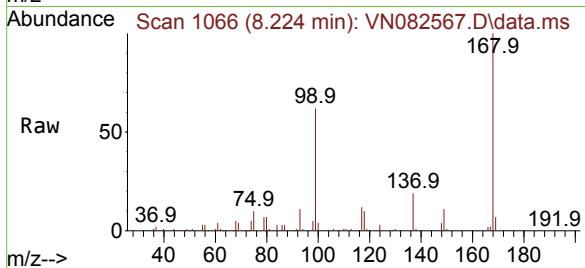
Tgt Ion: 75 Resp: 15254

Ion Ratio Lower Upper

75 100

110 9.6 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.286 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN082567.D

Acq: 13 Jun 2024 18:22

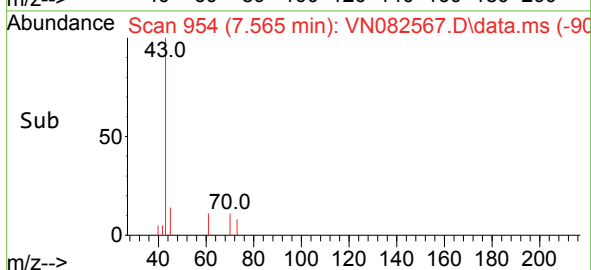
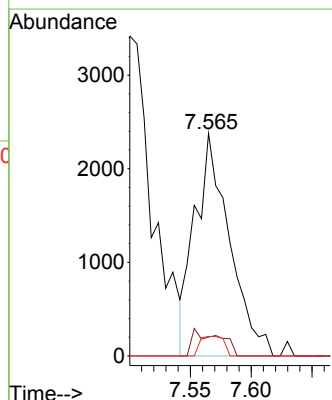
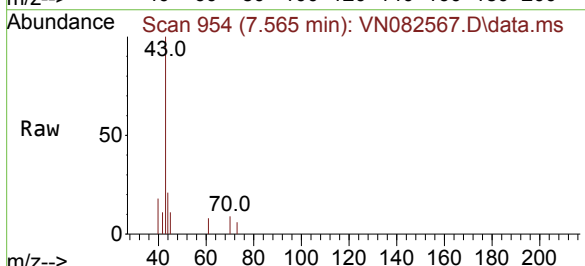
Tgt Ion: 43 Resp: 4702

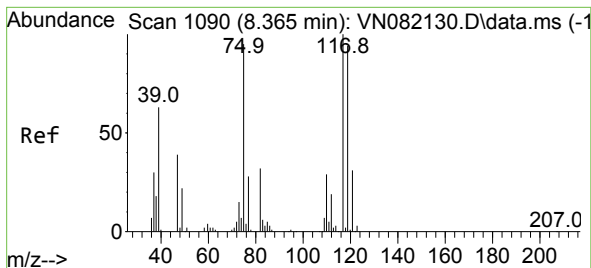
Ion Ratio Lower Upper

43 100

61 5.1 11.3 16.9#

70 6.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.445 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.141 min

Lab File: VN082567.D

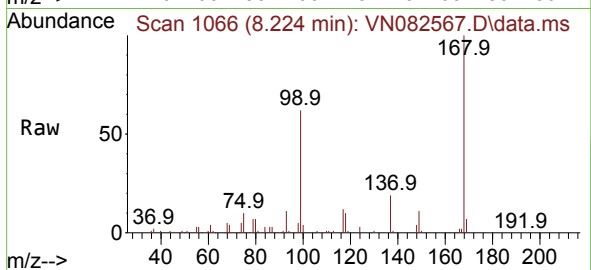
Acq: 13 Jun 2024 18:22

Instrument :

MSVOA_N

ClientSampleId :

WC-I



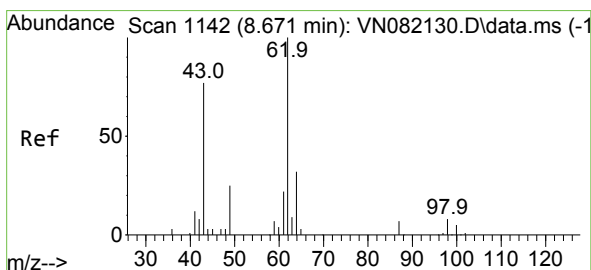
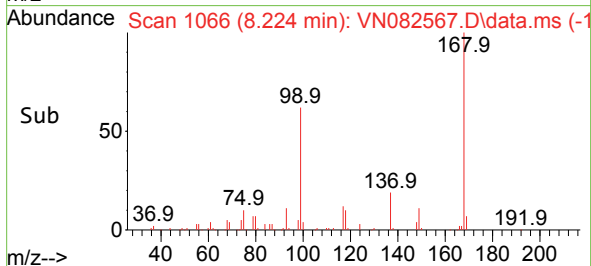
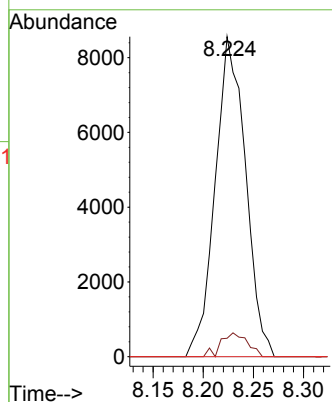
Tgt Ion:117 Resp: 18029

Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.277 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082567.D

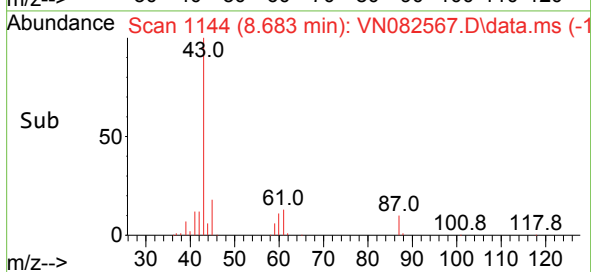
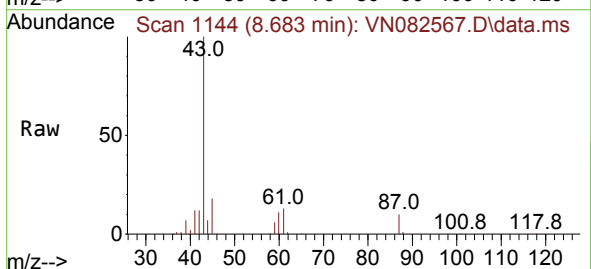
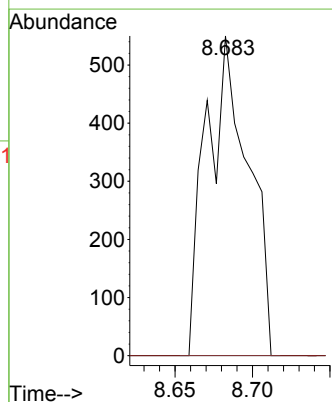
Acq: 13 Jun 2024 18:22

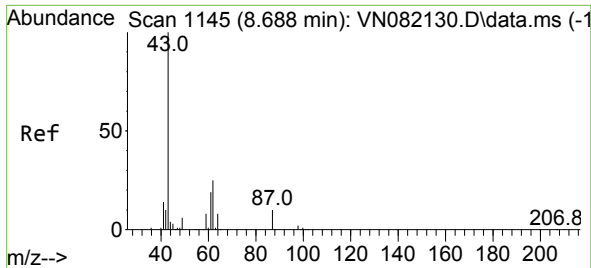
Tgt Ion: 62 Resp: 1038

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6

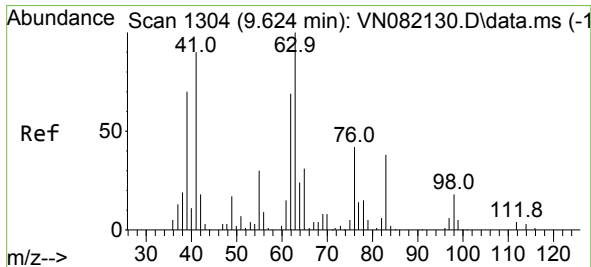
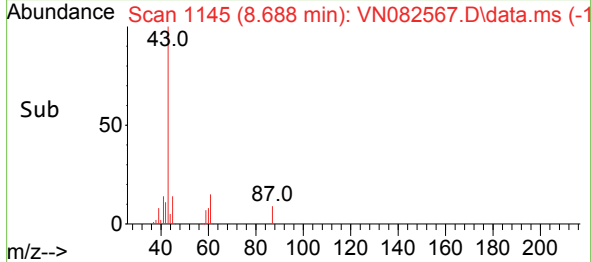
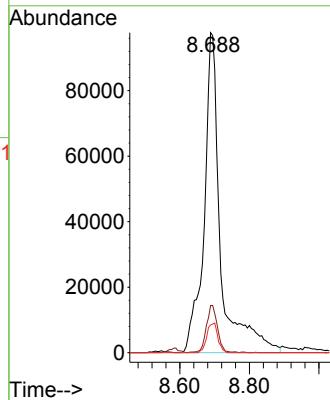
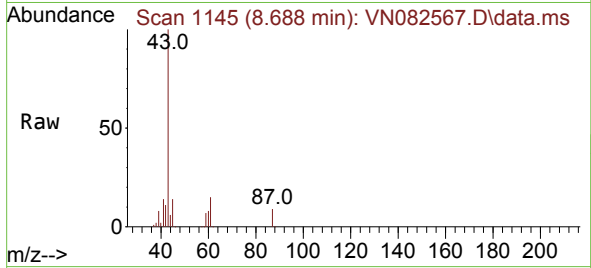




#43
Isopropyl Acetate
Concen: 49.634 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

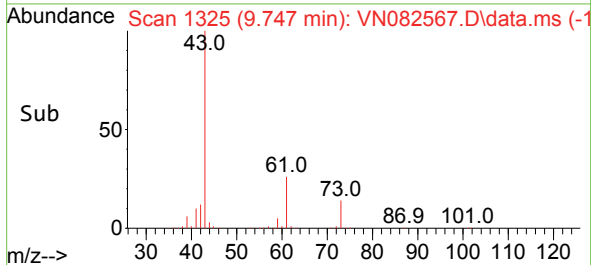
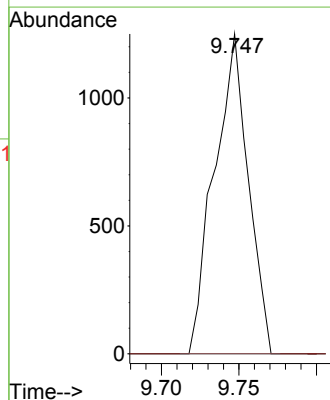
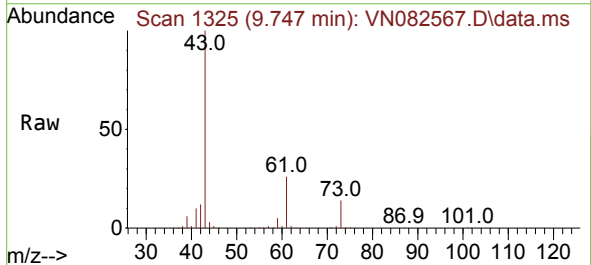
Instrument :
MSVOA_N
ClientSampleId :
WC-I

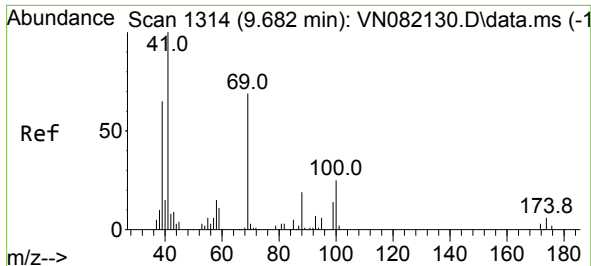
Tgt Ion: 43 Resp: 321464
Ion Ratio Lower Upper
43 100
61 10.0 22.8 34.2#
87 6.1 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.755 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 63 Resp: 1898
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

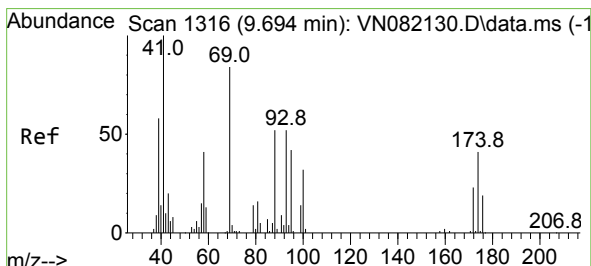
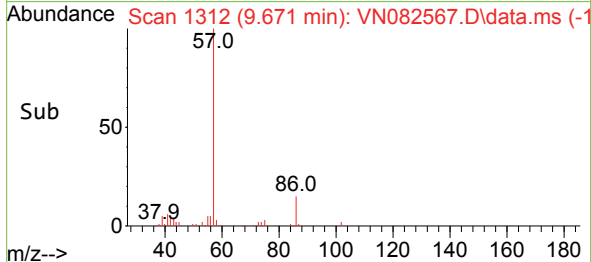
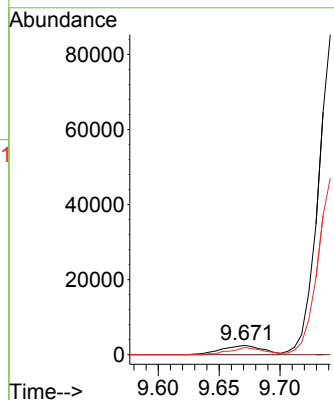
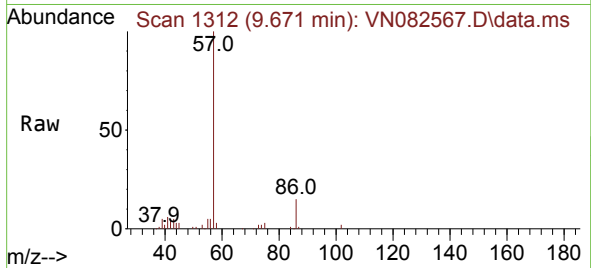




#48
Methyl methacrylate
Concen: 1.866 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

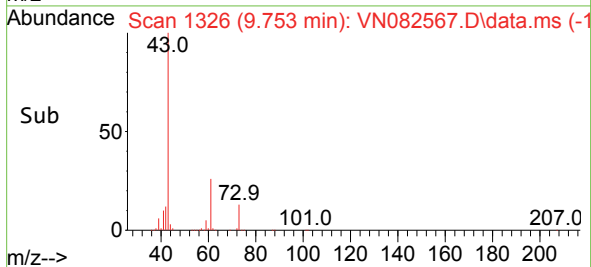
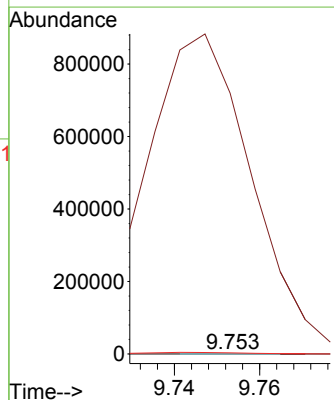
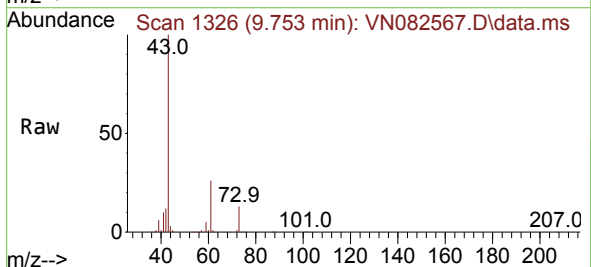
Instrument :
MSVOA_N
ClientSampleId :
WC-I

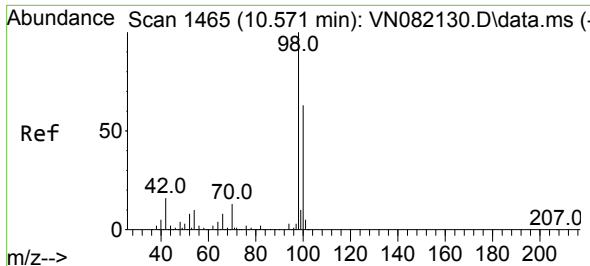
Tgt Ion: 41 Resp: 5758
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 63.9 50.9 76.3



#49
1,4-Dioxane
Concen: 1.619 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.059 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 2245204.3 19.0 28.6#
58 10652.9 50.6 76.0#

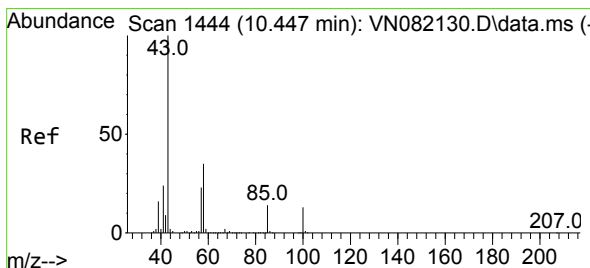
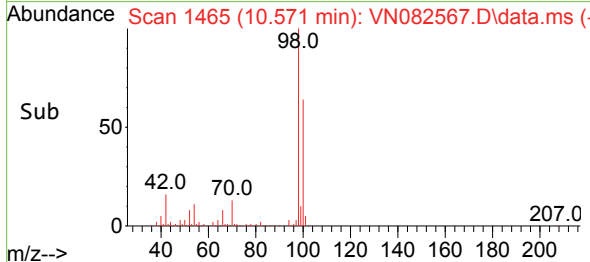
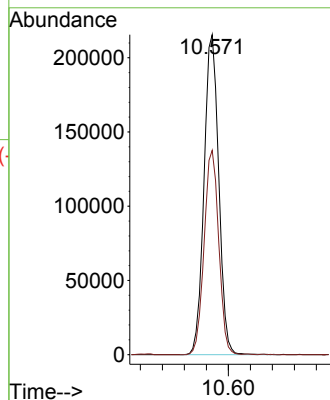
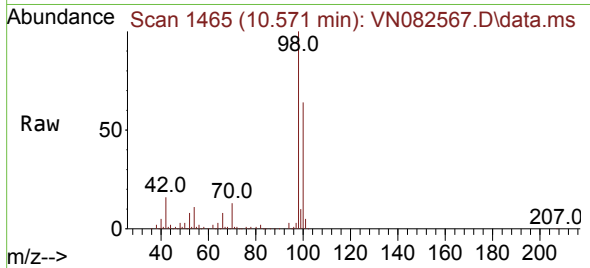




#50
Toluene-d8
Concen: 53.489 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

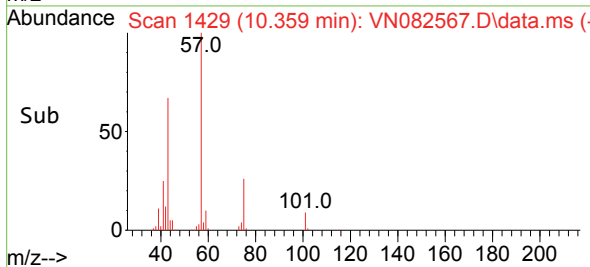
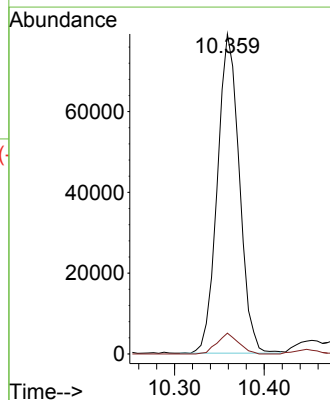
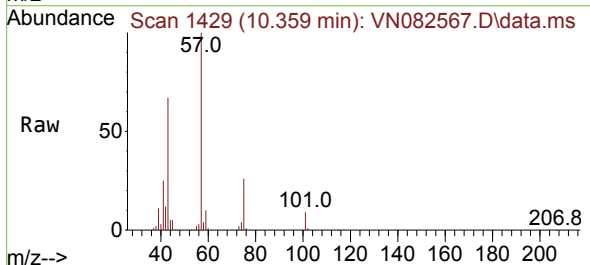
Instrument :
MSVOA_N
ClientSampleId :
WC-I

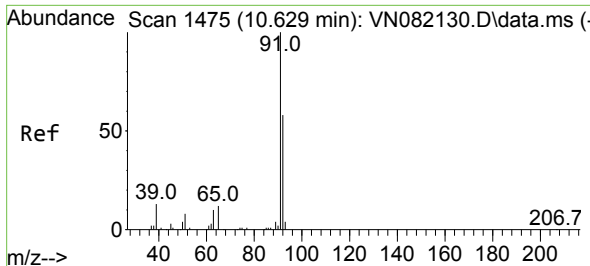
Tgt Ion: 98 Resp: 399360
Ion Ratio Lower Upper
98 100
100 63.4 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 36.564 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 43 Resp: 134551
Ion Ratio Lower Upper
43 100
58 6.3 33.2 49.8#

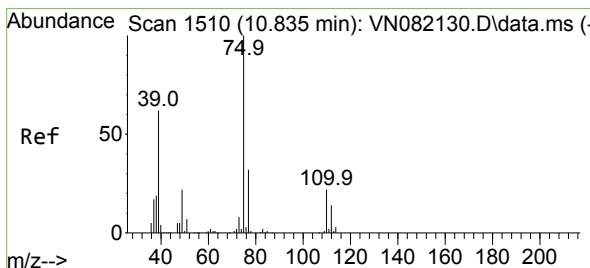
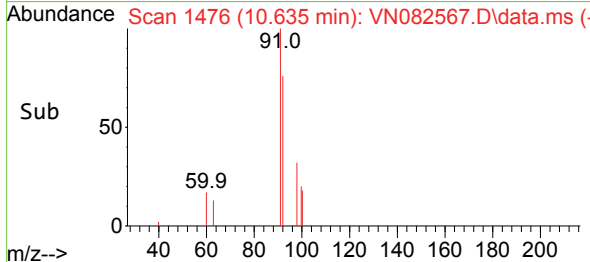
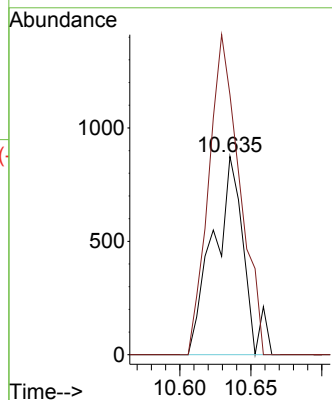
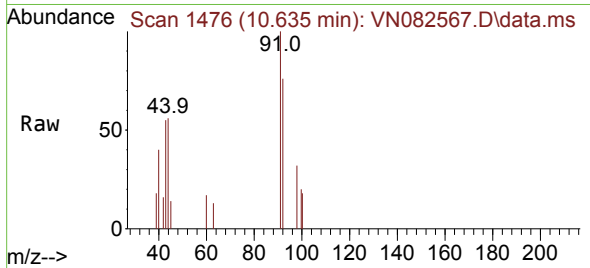




#52
Toluene
Concen: 0.224 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

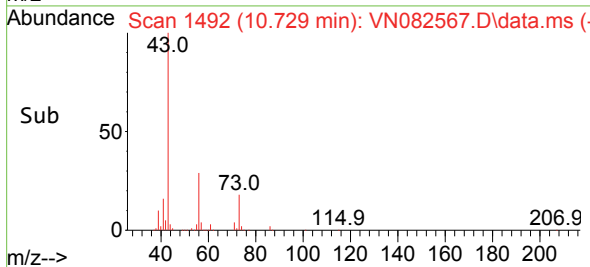
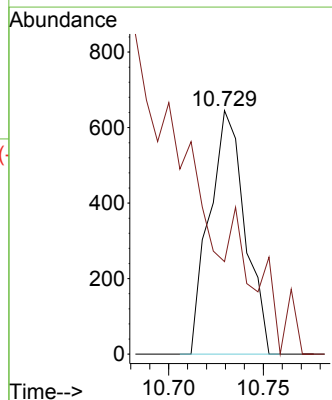
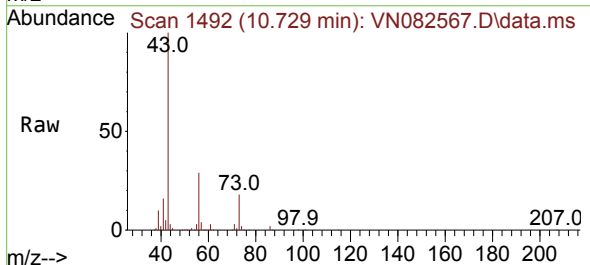
Instrument :
MSVOA_N
ClientSampleId :
WC-I

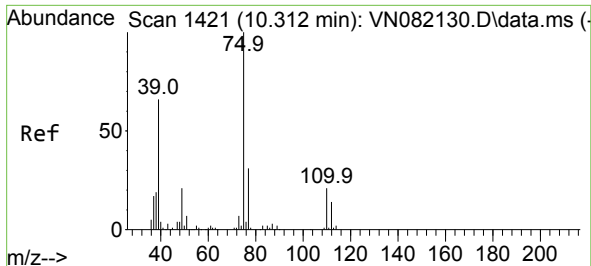
Tgt Ion: 92 Resp: 1307
Ion Ratio Lower Upper
92 100
91 163.9 136.7 205.1



#53
t-1,3-Dichloropropene
Concen: 0.234 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 75 Resp: 844
Ion Ratio Lower Upper
75 100
77 38.0 25.4 38.0

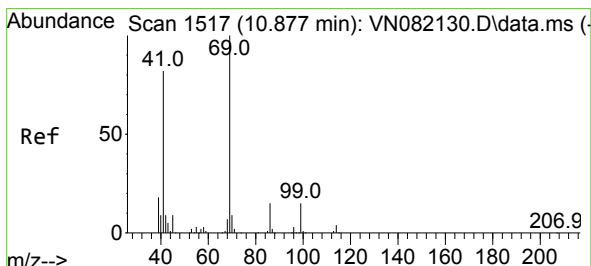
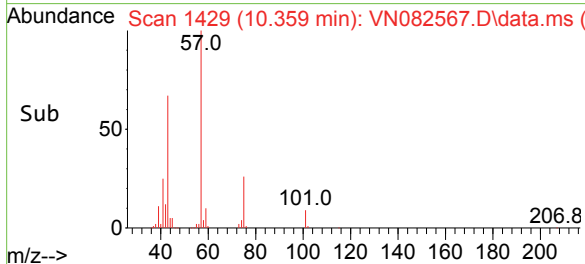
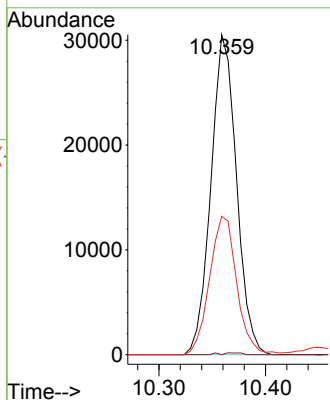
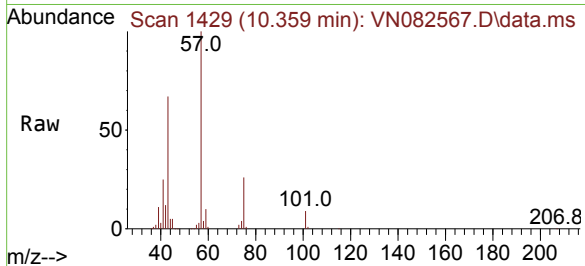




#54
 cis-1,3-Dichloropropene
 Concen: 13.330 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082567.D
 Acq: 13 Jun 2024 18:22

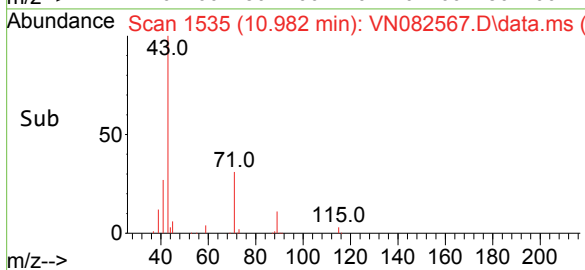
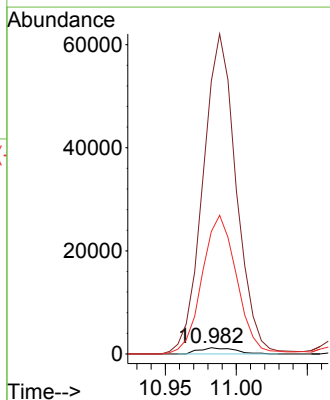
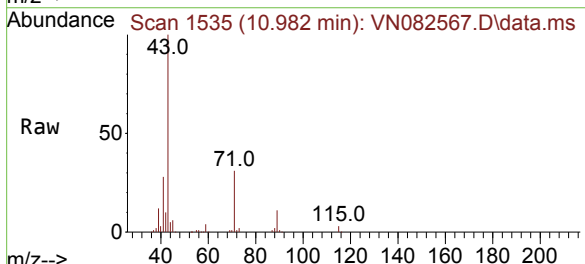
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-I

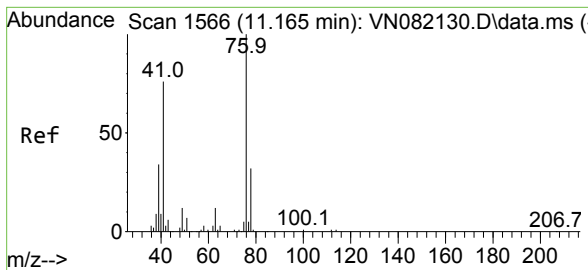
Tgt Ion: 75 Resp: 50825
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 42.7 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.587 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082567.D
 Acq: 13 Jun 2024 18:22

Tgt Ion: 69 Resp: 2116
 Ion Ratio Lower Upper
 69 100
 41 4810.5 46.6 70.0#
 39 2165.8 26.5 39.7#

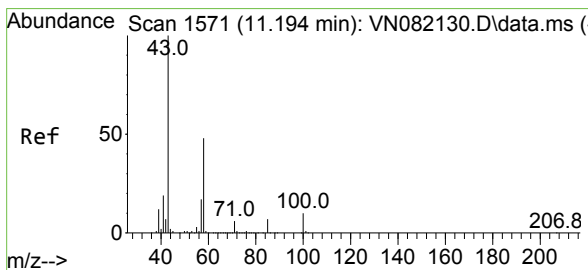
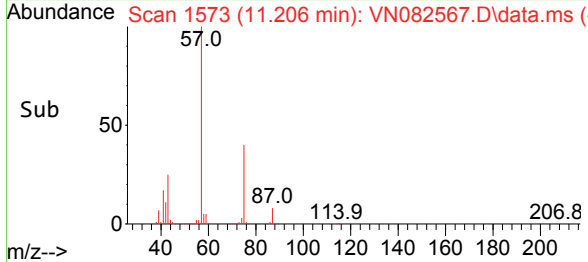
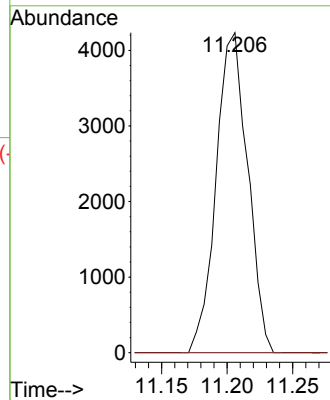
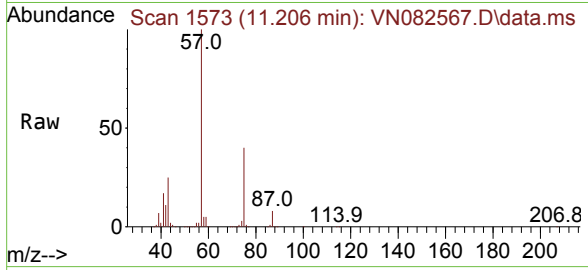




#57
1,3-Dichloropropane
Concen: 1.785 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

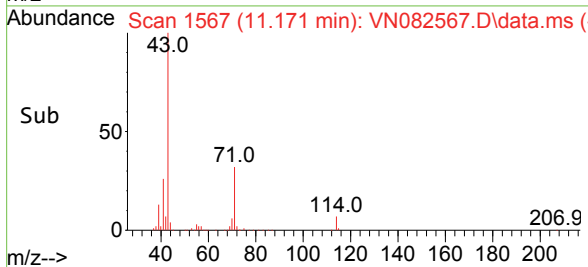
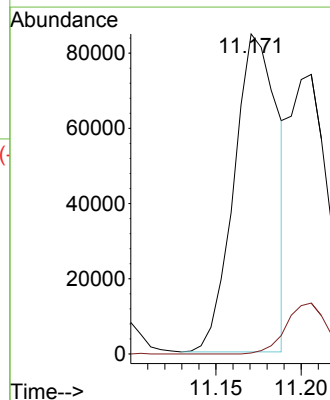
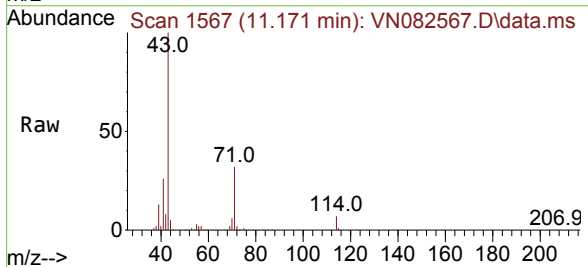
Instrument :
MSVOA_N
ClientSampleId :
WC-I

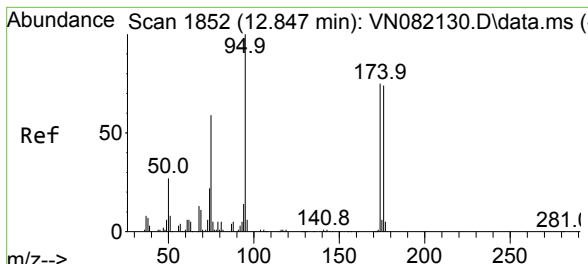
Tgt Ion: 76 Resp: 7089
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 55.884 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Tgt Ion: 43 Resp: 150576
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

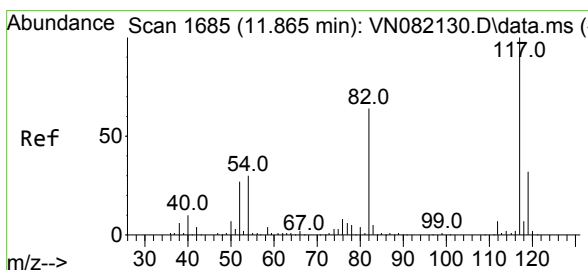
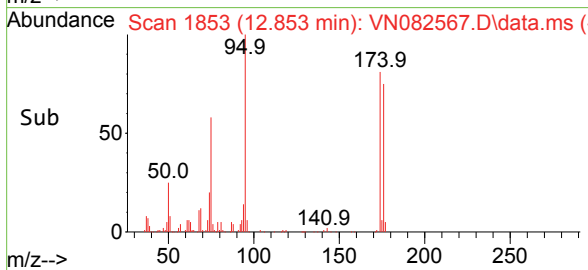
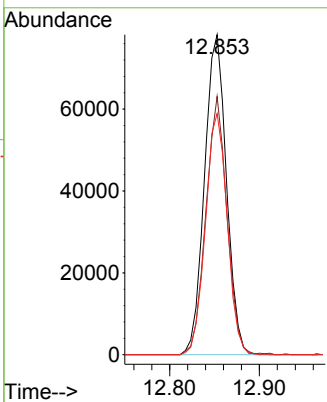
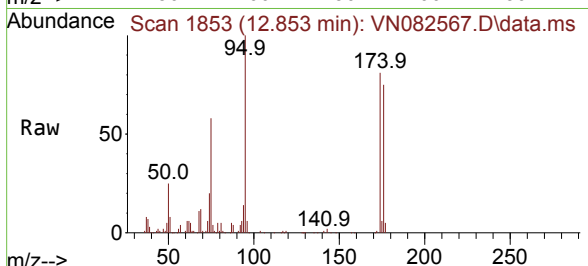




#62
 4-Bromofluorobenzene
 Concen: 49.720 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN082567.D
 Acq: 13 Jun 2024 18:22

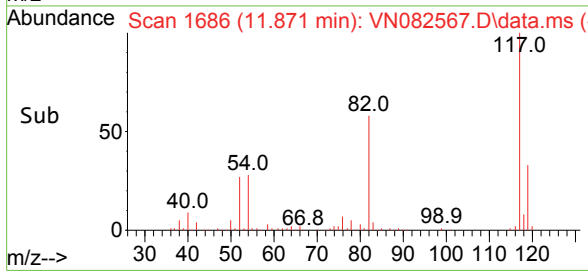
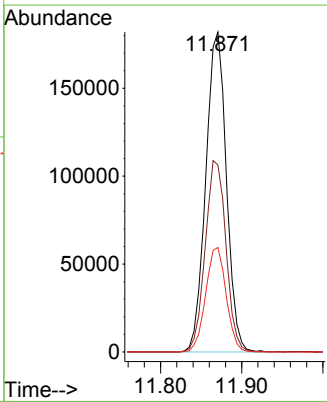
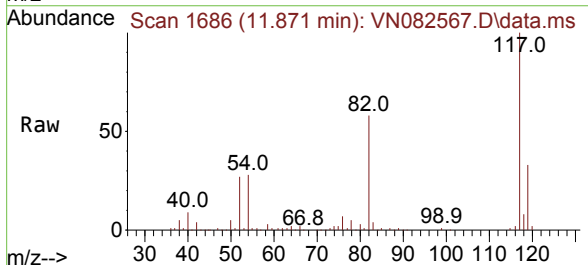
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-I

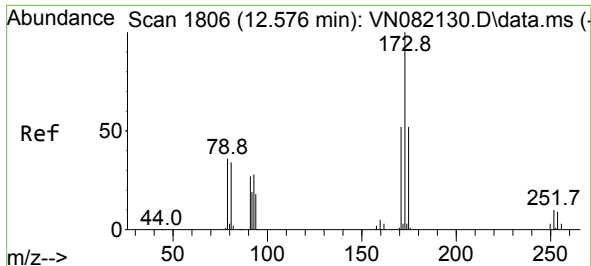
Tgt Ion:	95	Resp:	132497
Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	160.6
176	74.7	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN082567.D
 Acq: 13 Jun 2024 18:22

Tgt Ion:	117	Resp:	320999
Ion	Ratio	Lower	Upper
117	100		
82	58.5	44.6	66.8
119	32.7	25.9	38.9

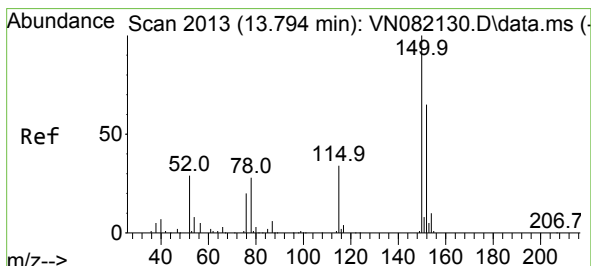
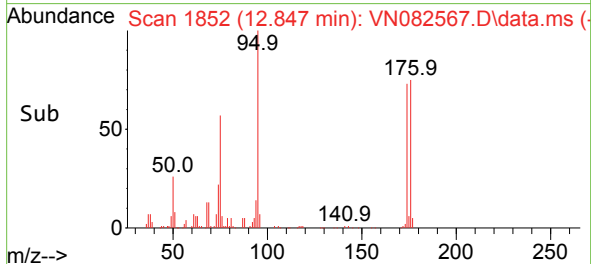
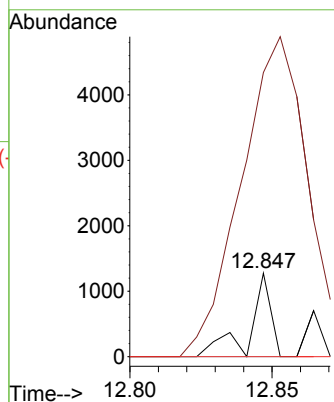
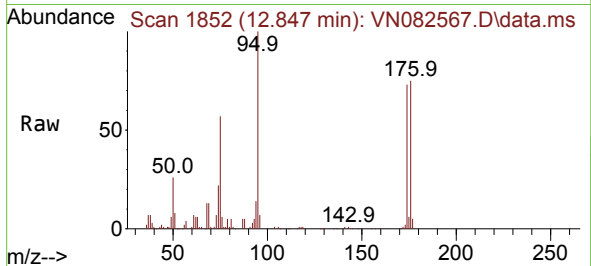




#71
Bromoform
Concen: 1.052 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

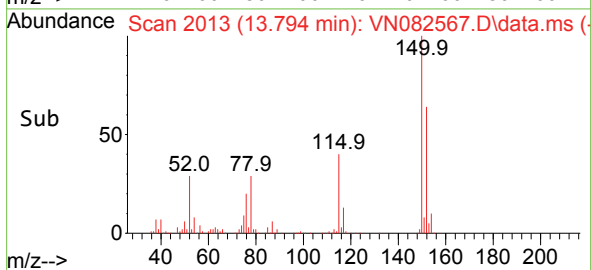
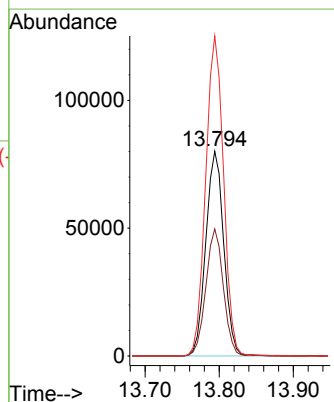
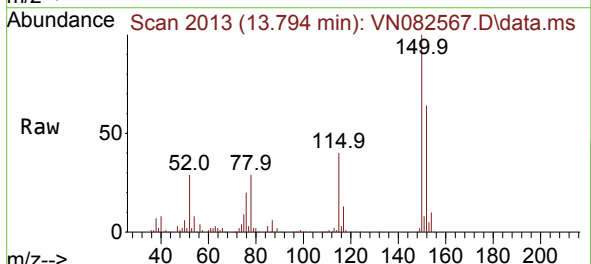
Instrument :
MSVOA_N
ClientSampleId :
WC-I

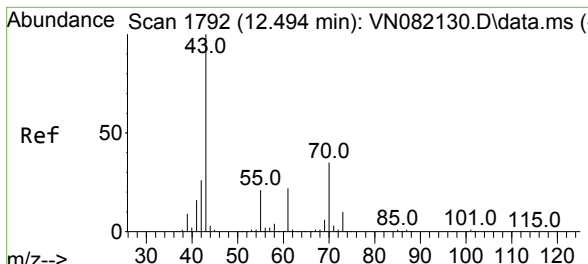
Tgt Ion:173 Resp: 661
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

Tgt Ion:152 Resp: 134828
Ion Ratio Lower Upper
152 100
115 60.7 30.4 91.3
150 155.5 0.0 353.2

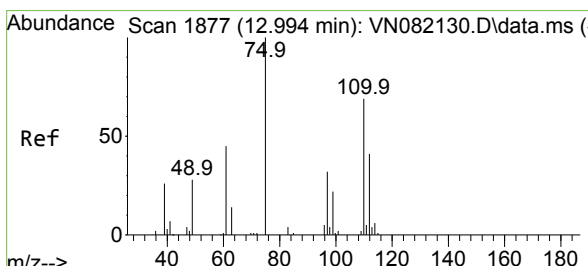
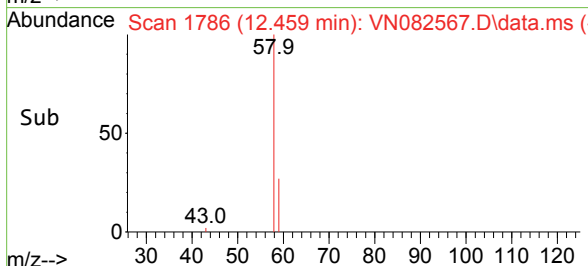
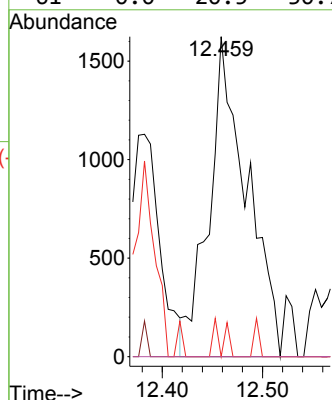
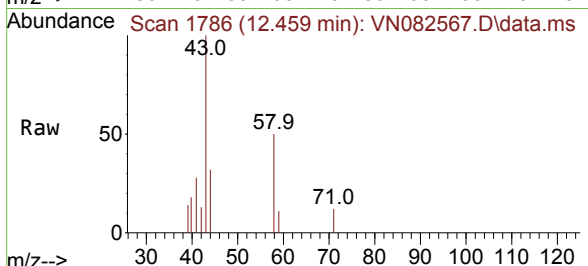




#74
N-amy1 acetate
Concen: 0.718 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

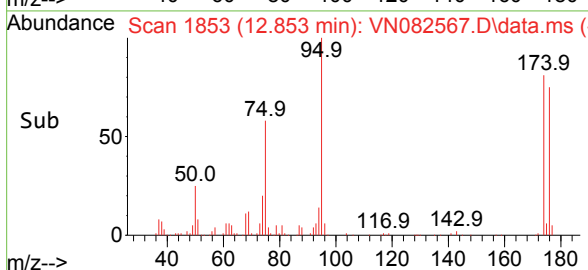
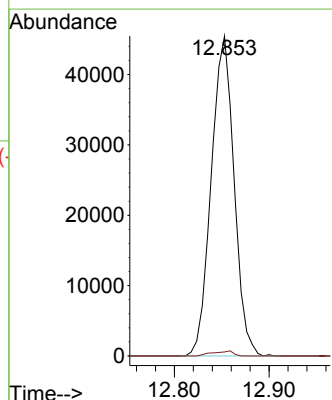
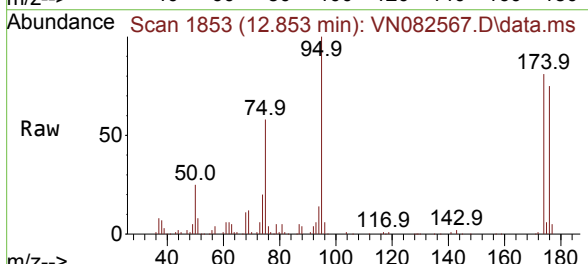
Instrument :
MSVOA_N
ClientSampleId :
WC-I

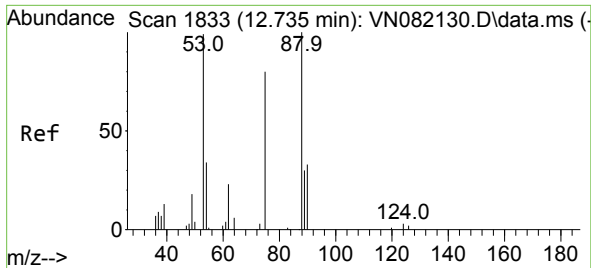
Tgt Ion:	43	Resp:	4231
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	3.0	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 26.850 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082567.D
Acq: 13 Jun 2024 18:22

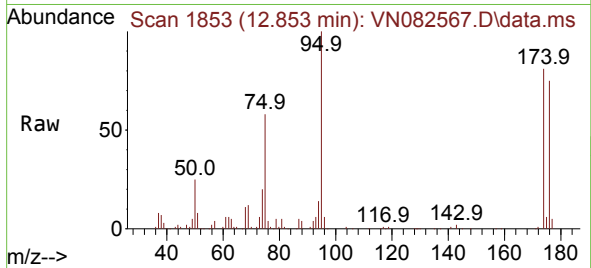
Tgt Ion:	75	Resp:	76195
Ion	Ratio	Lower	Upper
75	100		
77	1.4	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.801 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.118 min
 Lab File: VN082567.D
 Acq: 13 Jun 2024 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-I



Tgt Ion: 75 Resp: 76195
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.9 109.3#
 89 0.0 39.1 58.7#

