

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082686.D
 Acq On : 21 Jun 2024 18:35
 Operator : JC\MD
 Sample : PB161606ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

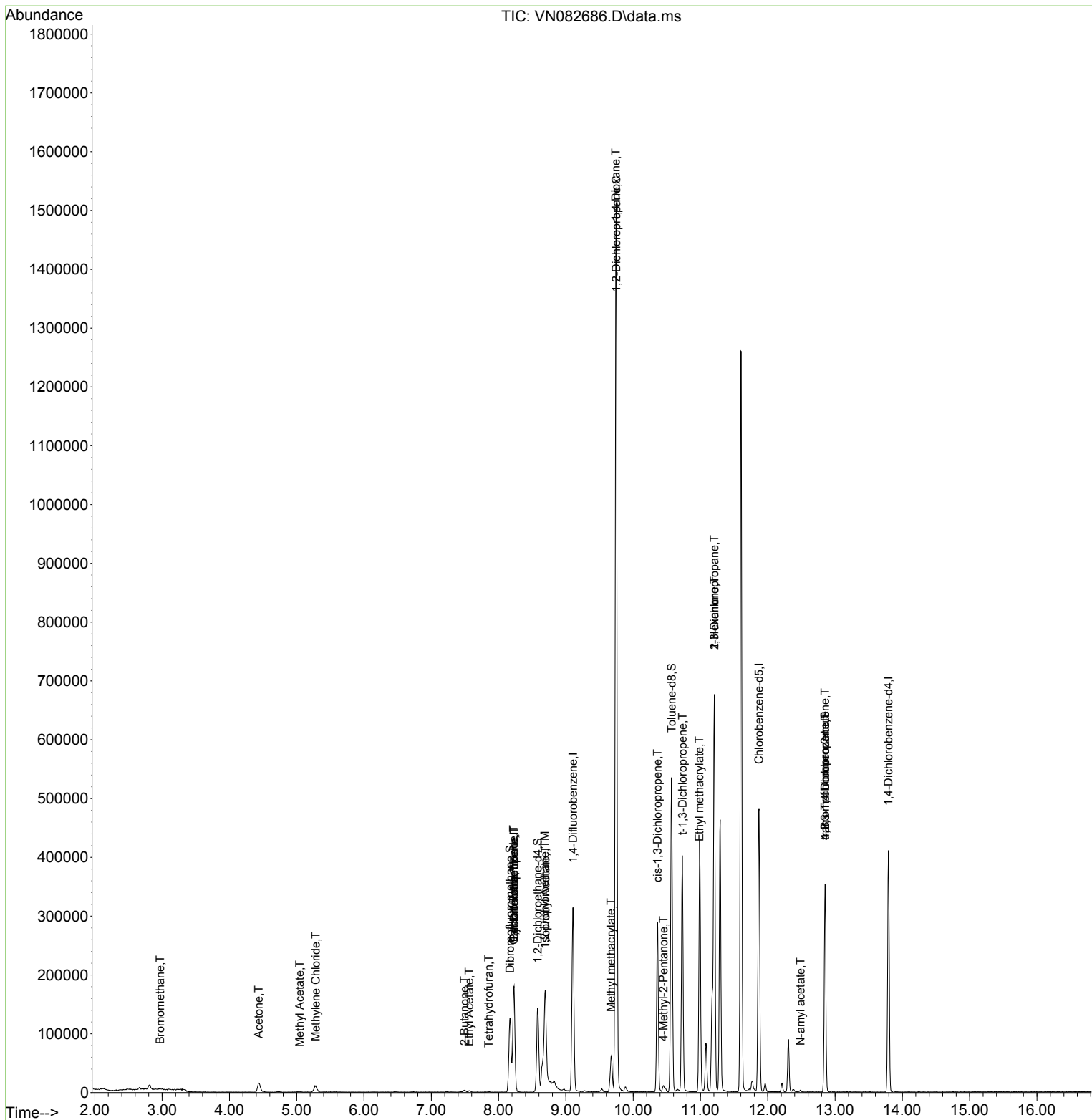
Instrument :
 MSVOA_N
 ClientSampleId :

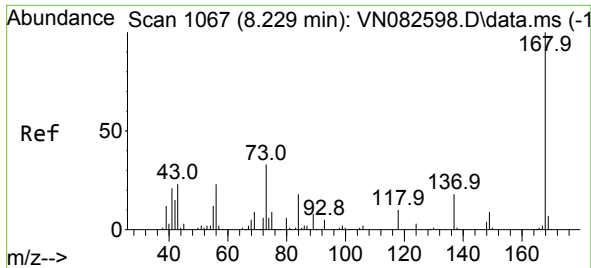
Quant Time: Jun 24 02:16:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	124696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	243330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	262349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	119162	59.591	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.180%	
35) Dibromofluoromethane	8.171	113	87476	52.992	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.980%	
50) Toluene-d8	10.571	98	338720	54.261	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.520%	
62) 4-Bromofluorobenzene	12.853	95	107860	50.117	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 100.240%	
Target Compounds						Qvalue
5) Bromomethane	2.971	94	504	0.394	ug/l #	1
16) Acetone	4.436	43	31309	34.427	ug/l	94
18) Methyl Acetate	5.047	43	2666	1.199	ug/l #	68
20) Methylene Chloride	5.283	84	7630	4.772	ug/l	87
25) 2-Butanone	7.494	43	6245	4.831	ug/l	92
29) Tetrahydrofuran	7.853	42	595	0.752	ug/l #	46
31) Cyclohexane	8.230	56	3524	1.221	ug/l #	48
36) 1,1-Dichloropropene	8.230	75	11159	4.522	ug/l #	52
37) Ethyl Acetate	7.565	43	4269	1.358	ug/l #	79
38) Carbon Tetrachloride	8.224	117	13657	4.911	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1059	0.365	ug/l #	78
43) Isopropyl Acetate	8.694	43	241132	41.048	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1659	0.845	ug/l #	44
48) Methyl methacrylate	9.671	41	4886	2.018	ug/l #	54
49) 1,4-Dioxane	9.741	88	122	3.221	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	7223	2.397	ug/l	94
53) t-1,3-Dichloropropene	10.735	75	707	0.244	ug/l #	68
54) cis-1,3-Dichloropropene	10.365	75	43316	14.446	ug/l #	70
56) Ethyl methacrylate	10.982	69	2375	0.857	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5939	1.921	ug/l #	43
59) 2-Hexanone	11.206	43	85438	37.308	ug/l #	61
74) N-amyl acetate	12.488	43	1773	0.422	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	62665	24.709	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	62665	59.114	ug/l #	6

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

Quant Time: Jun 24 02:16:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration

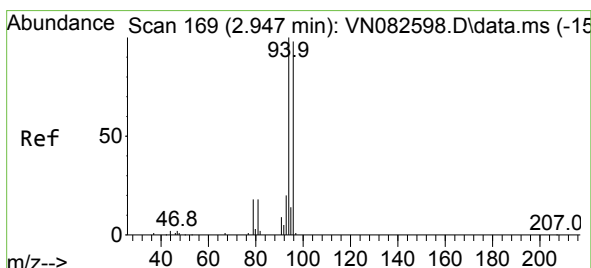
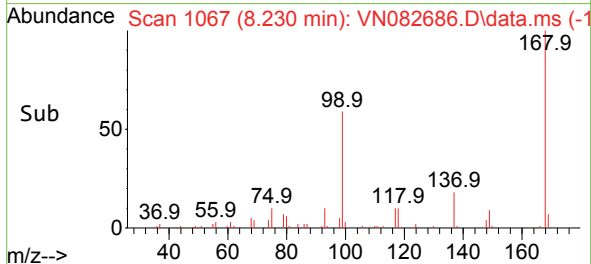
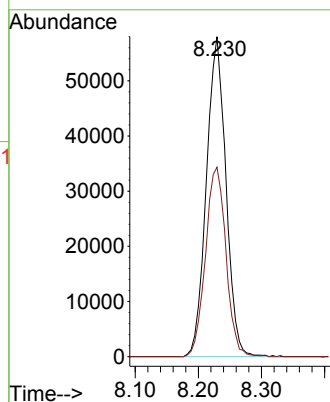
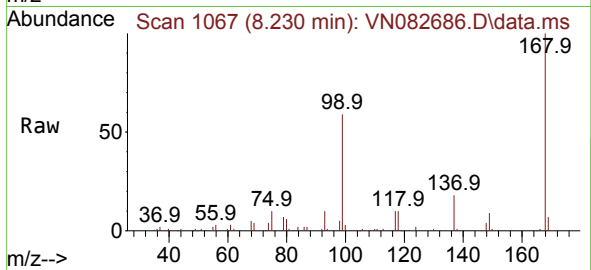




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

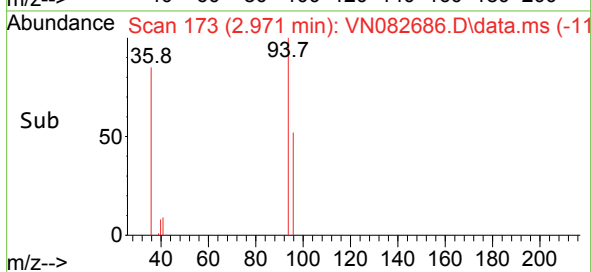
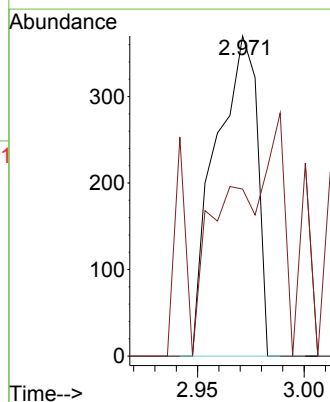
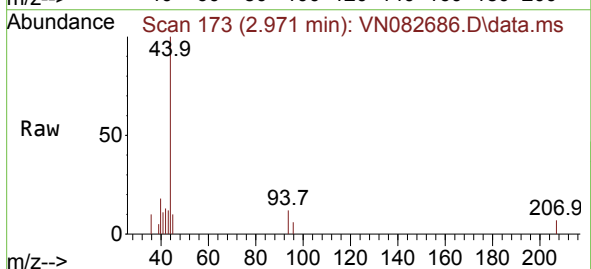
Instrument :
MSVOA_N
ClientSampleId :

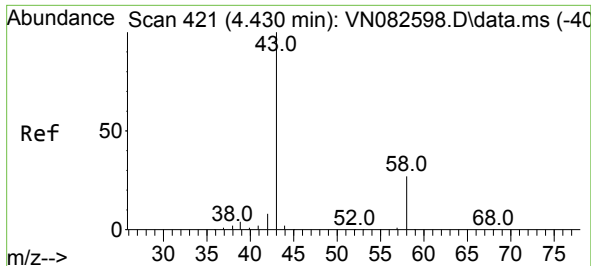
Tgt Ion:168 Resp: 124696
Ion Ratio Lower Upper
168 100
99 59.2 48.2 72.4



#5
Bromomethane
Concen: 0.394 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#

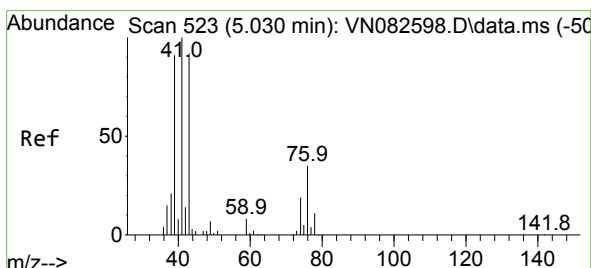
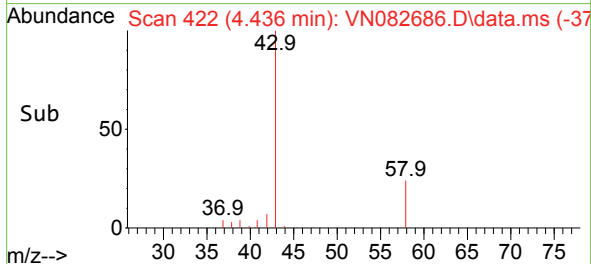
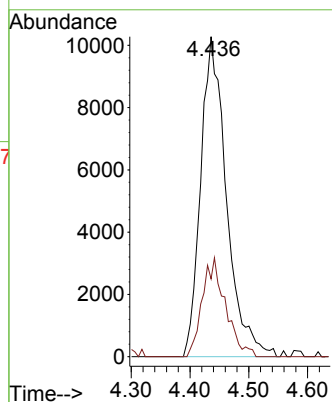
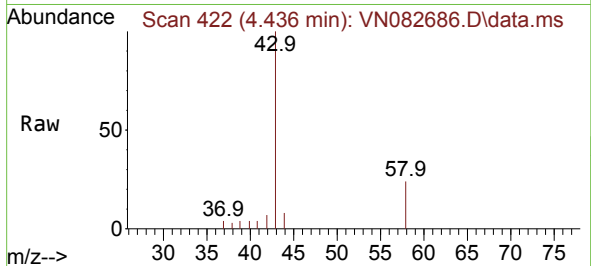




#16
Acetone
Concen: 34.427 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

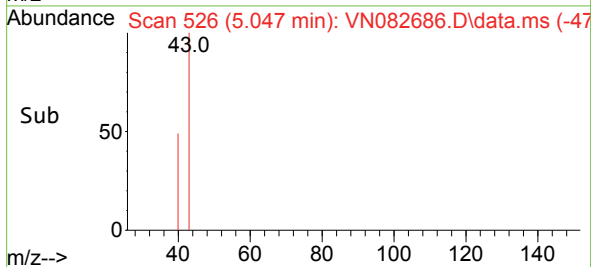
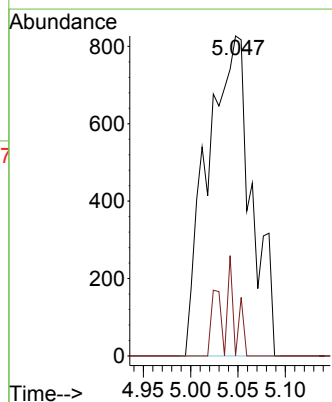
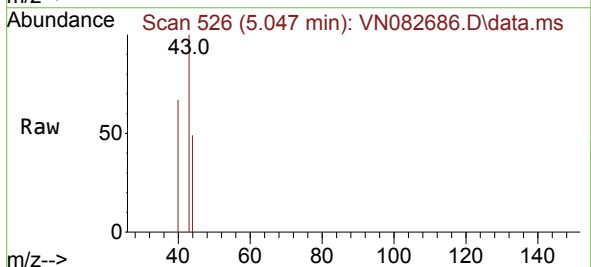
Instrument :
MSVOA_N
ClientSampleId :

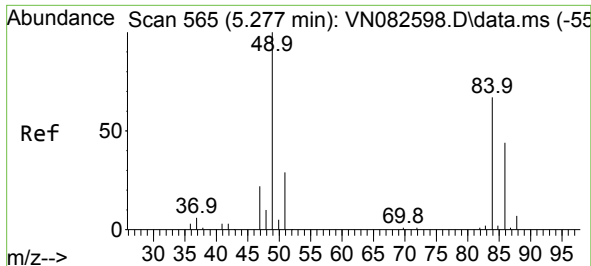
Tgt Ion: 43 Resp: 31309
Ion Ratio Lower Upper
43 100
58 24.3 21.8 32.6



#18
Methyl Acetate
Concen: 1.199 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.018 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

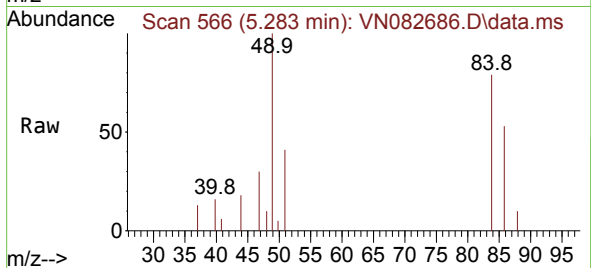
Tgt Ion: 43 Resp: 2666
Ion Ratio Lower Upper
43 100
74 5.4 16.3 24.5#



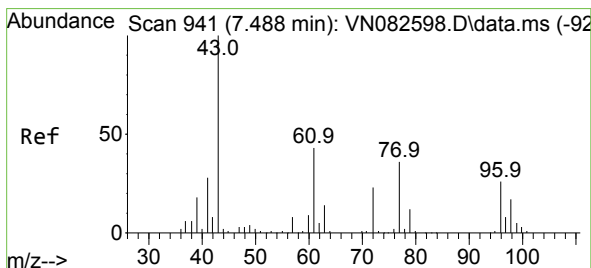
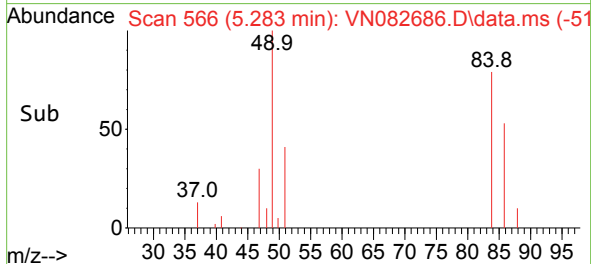
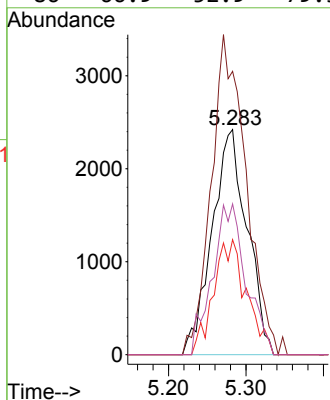


#20
Methylene Chloride
Concen: 4.772 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

Instrument :
MSVOA_N
ClientSampleId :

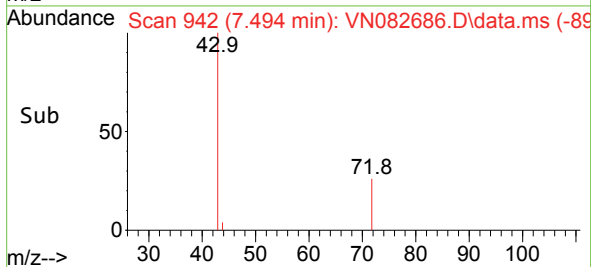
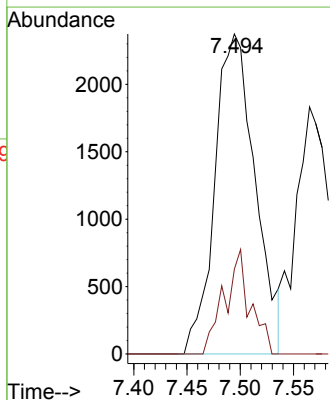
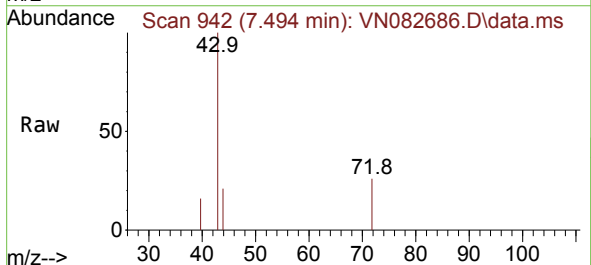


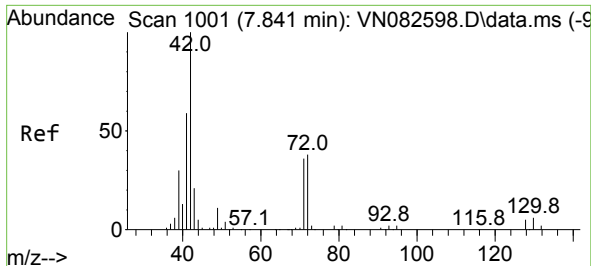
Tgt Ion:	84	Resp:	7630
Ion	Ratio	Lower	Upper
84	100		
49	125.8	119.6	179.4
51	51.1	34.8	52.2
86	66.9	52.9	79.3



#25
2-Butanone
Concen: 4.831 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

Tgt Ion:	43	Resp:	6245
Ion	Ratio	Lower	Upper
43	100		
72	26.5	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.752 ug/l

RT: 7.853 min Scan# 1067

Delta R.T. 0.012 min

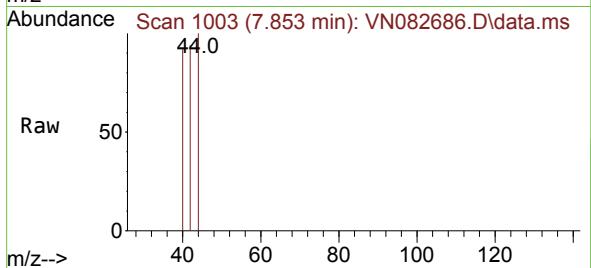
Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

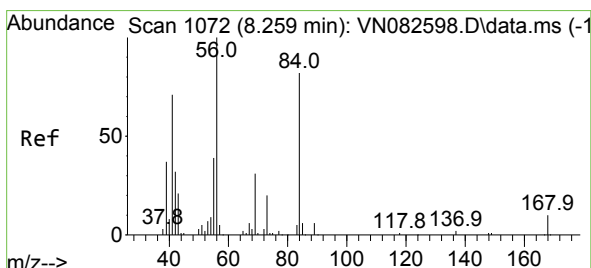
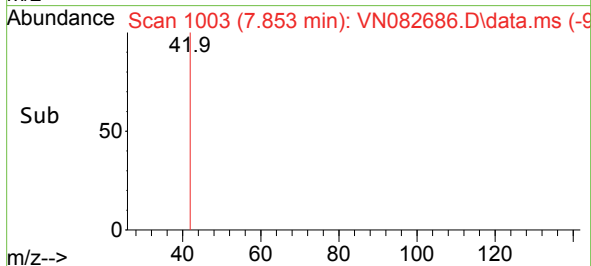
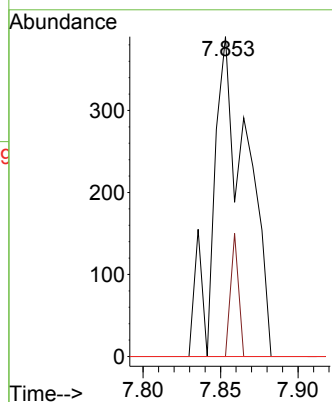
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	595
Ion	Ratio	Lower	Upper
42	100		
72	8.9	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.221 ug/l

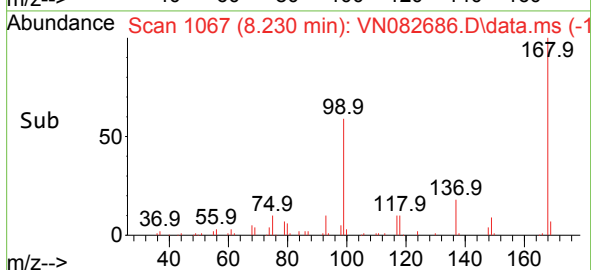
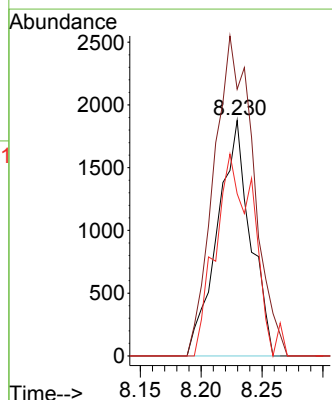
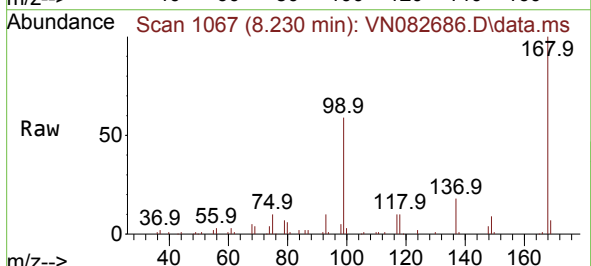
RT: 8.230 min Scan# 1067

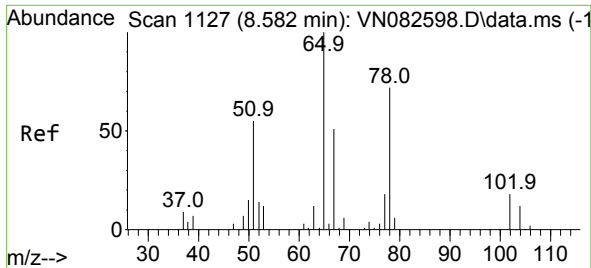
Delta R.T. -0.029 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Tgt Ion:	56	Resp:	3524
Ion	Ratio	Lower	Upper
56	100		
69	113.3	24.5	36.7#
84	68.9	66.0	99.0





#33

1,2-Dichloroethane-d4

Concen: 59.591 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Instrument :

MSVOA_N

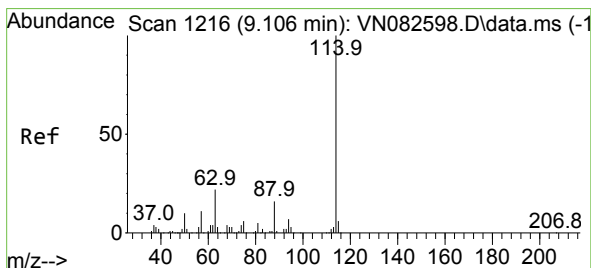
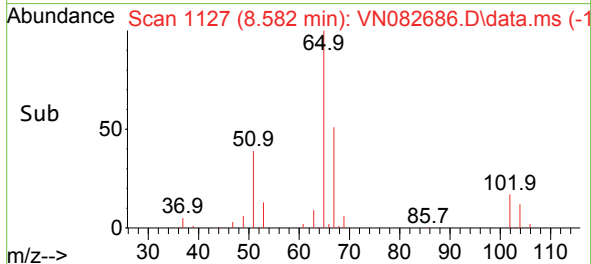
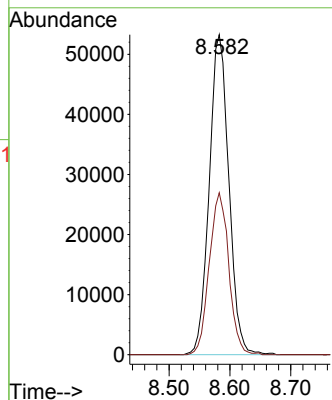
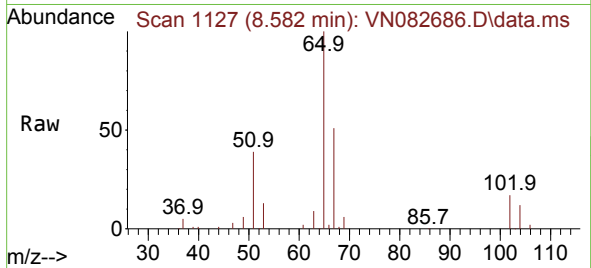
ClientSampleId :

Tgt Ion: 65 Resp: 119162

Ion Ratio Lower Upper

65 100

67 50.3 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: VN082686.D

Acq: 21 Jun 2024 18:35

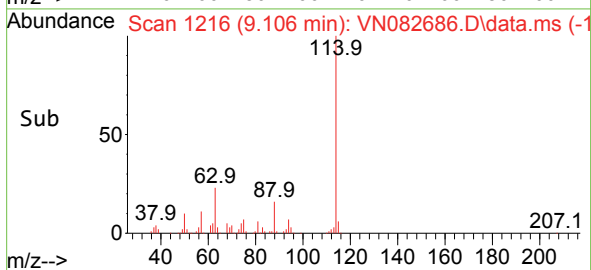
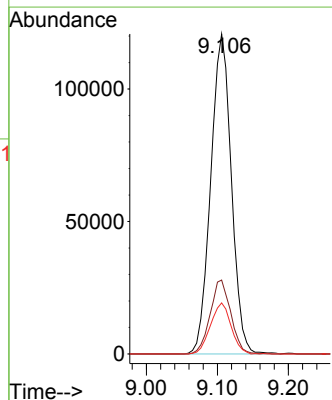
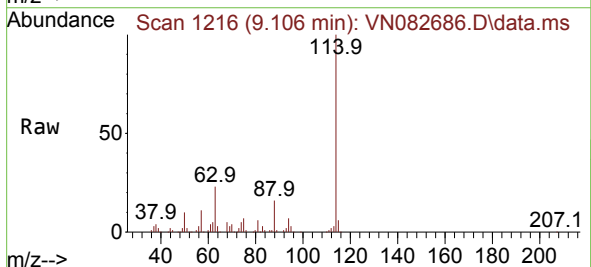
Tgt Ion: 114 Resp: 243330

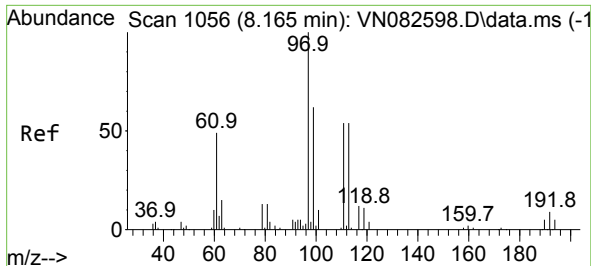
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.6

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.992 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Instrument :

MSVOA_N

ClientSampleId :

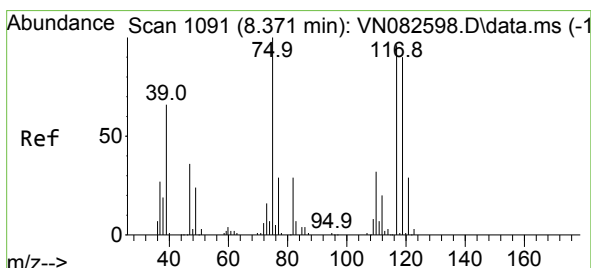
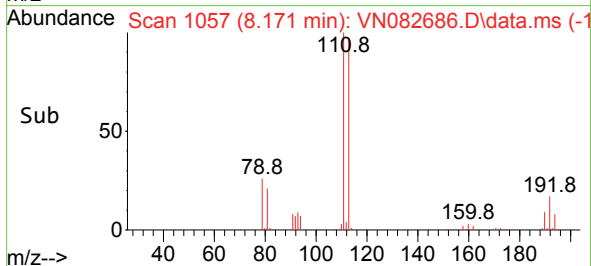
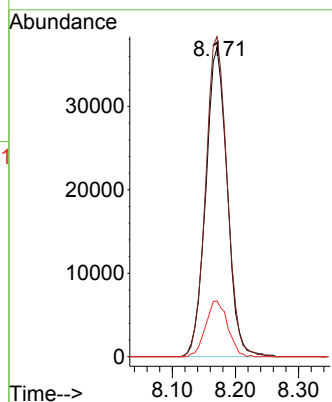
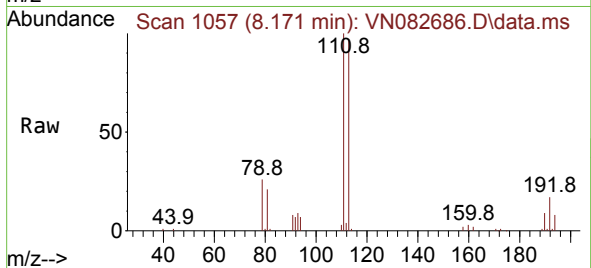
Tgt Ion:113 Resp: 87476

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

192 18.5 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.522 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

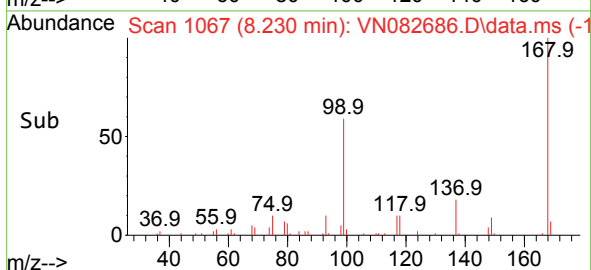
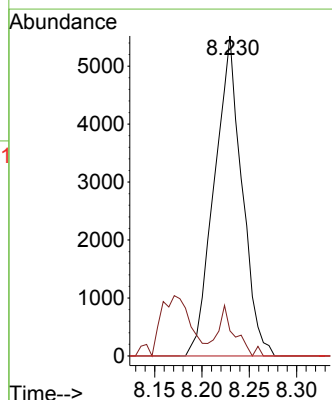
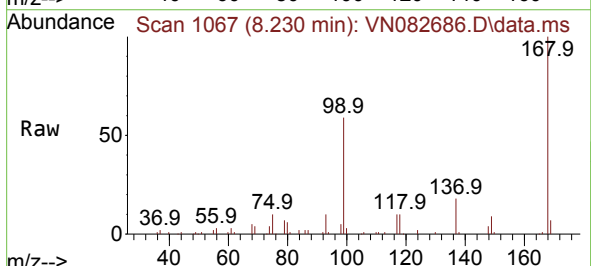
Tgt Ion: 75 Resp: 11159

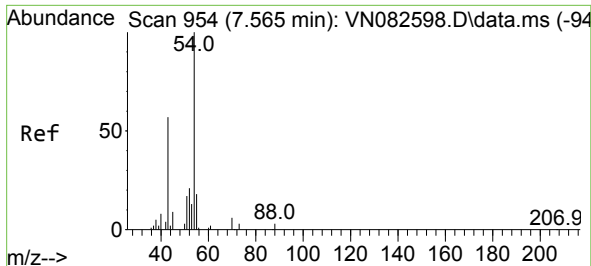
Ion Ratio Lower Upper

75 100

110 9.6 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.358 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.000 min

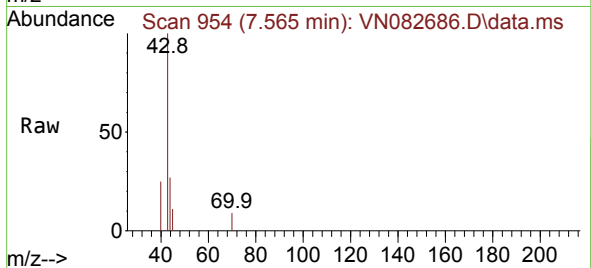
Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Instrument :

MSVOA_N

ClientSampleId :



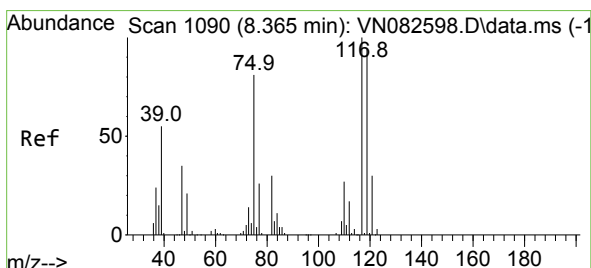
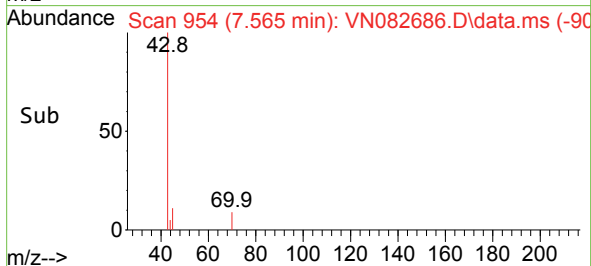
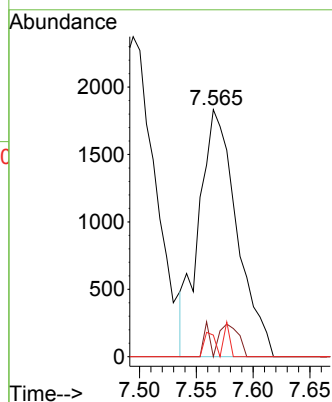
Tgt Ion: 43 Resp: 4269

Ion Ratio Lower Upper

43 100

61 2.1 9.3 13.9#

70 2.8 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.911 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

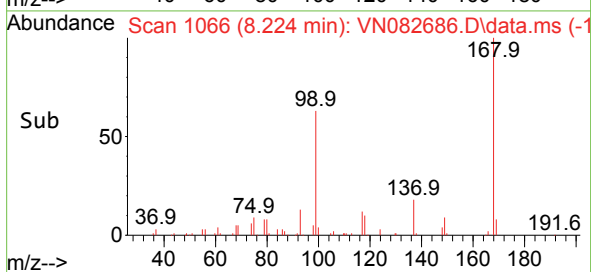
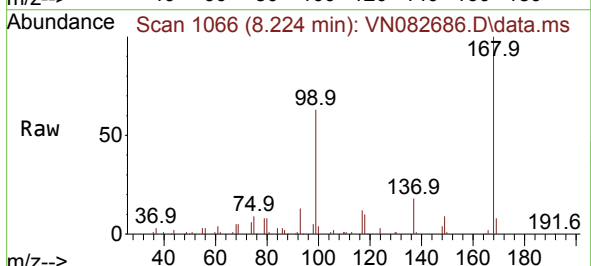
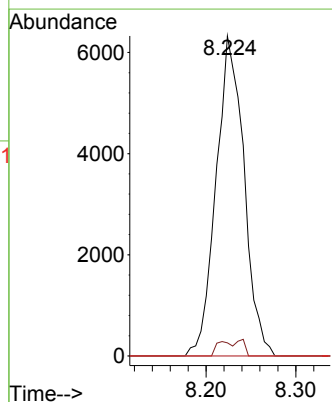
Tgt Ion: 117 Resp: 13657

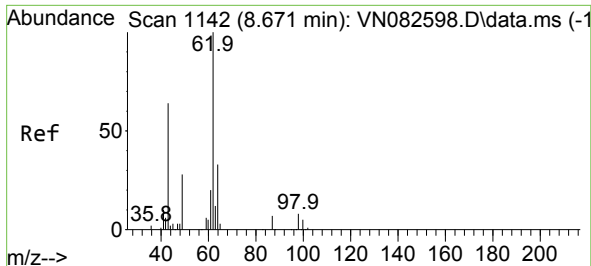
Ion Ratio Lower Upper

117 100

119 4.1 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.365 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Instrument :

MSVOA_N

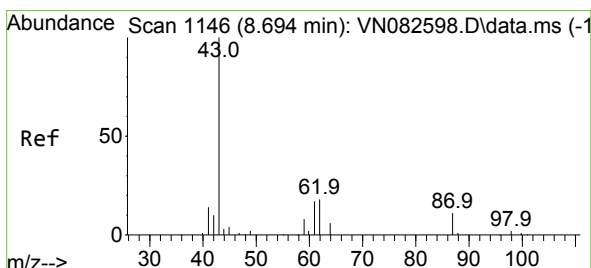
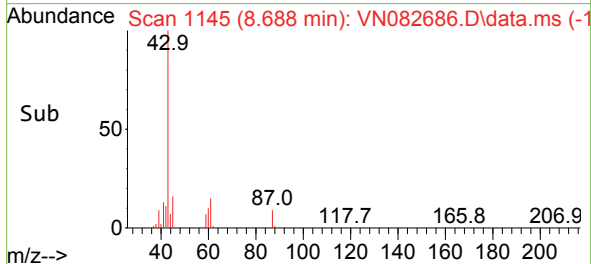
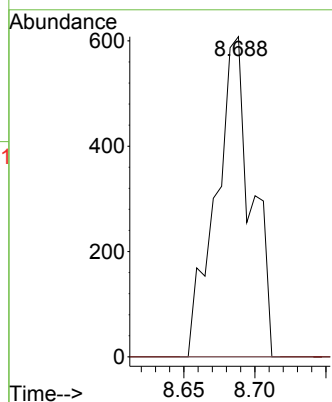
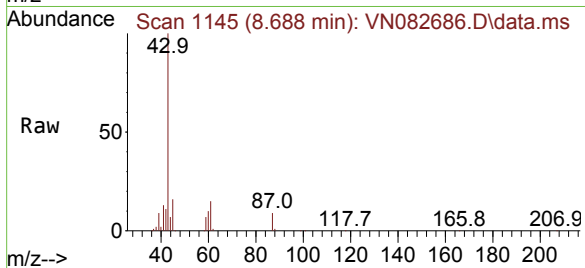
ClientSampleId :

Tgt Ion: 62 Resp: 1059

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 41.048 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

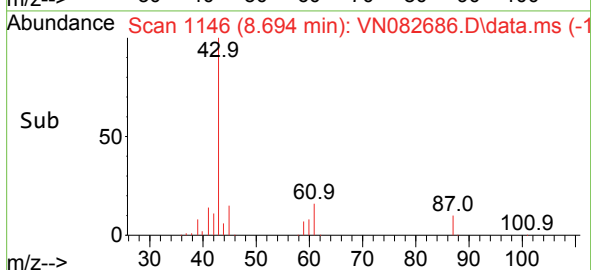
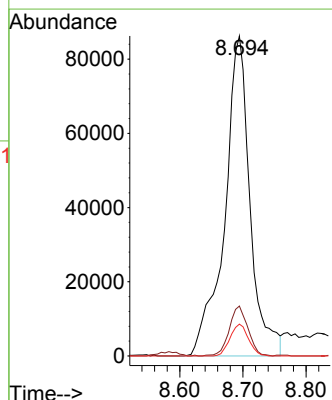
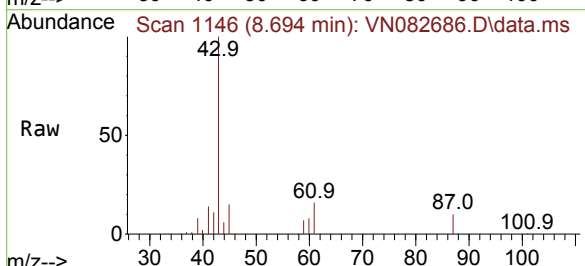
Tgt Ion: 43 Resp: 241132

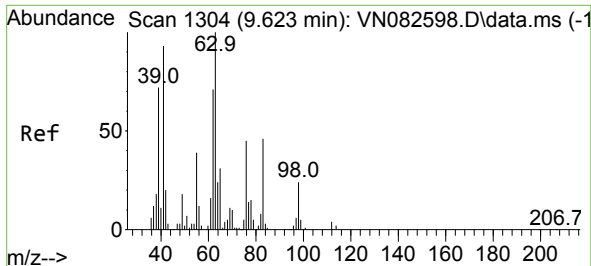
Ion Ratio Lower Upper

43 100

61 11.5 17.8 26.6#

87 7.2 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.845 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

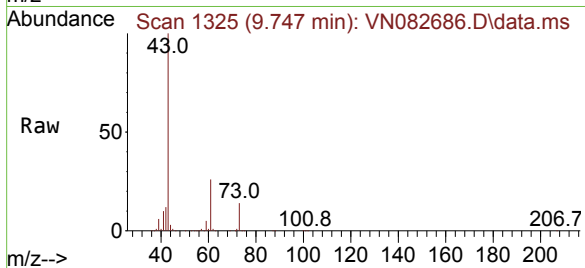
Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Instrument :

MSVOA_N

ClientSampleId :

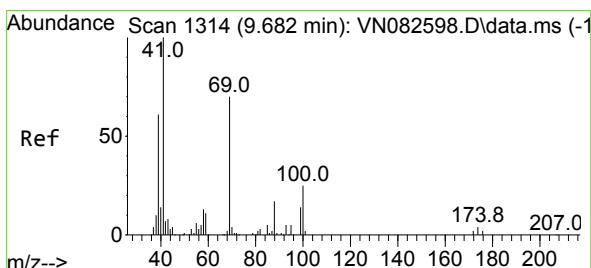
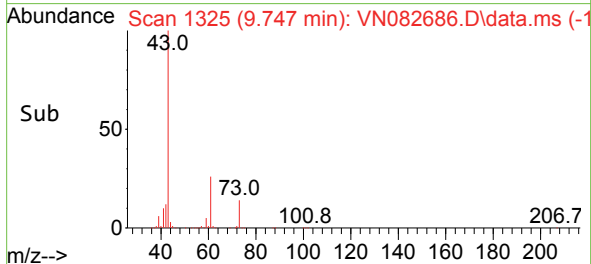
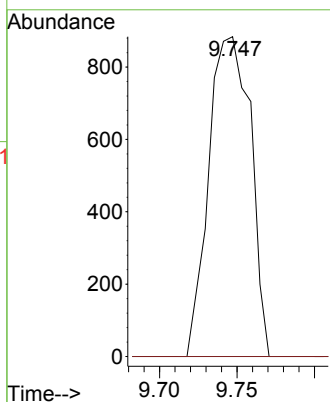


Tgt Ion: 63 Resp: 1659

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 2.018 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.011 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

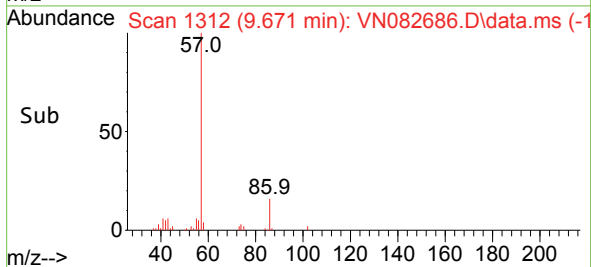
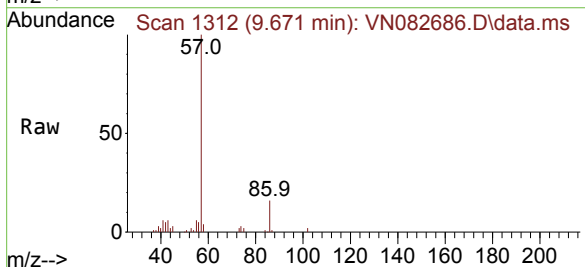
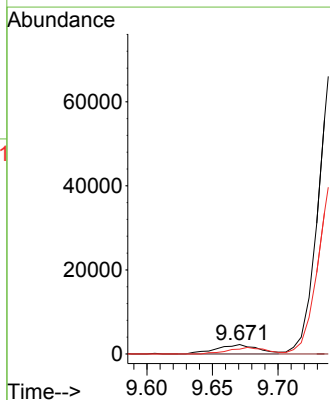
Tgt Ion: 41 Resp: 4886

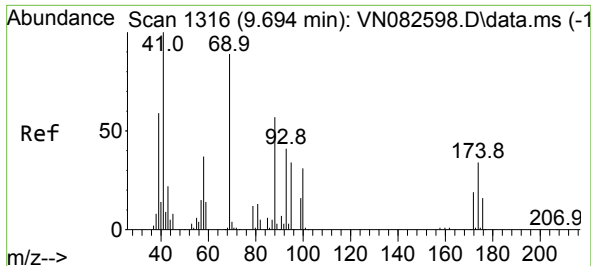
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 63.6 50.3 75.5





#49

1,4-Dioxane

Concen: 3.221 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

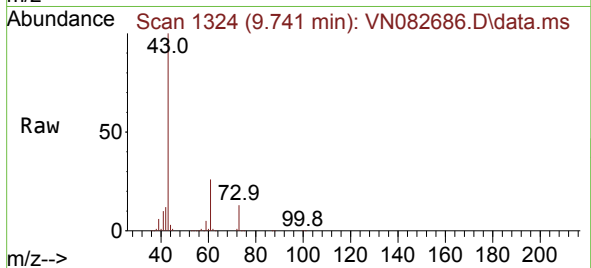
Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Instrument :

MSVOA_N

ClientSampleId :



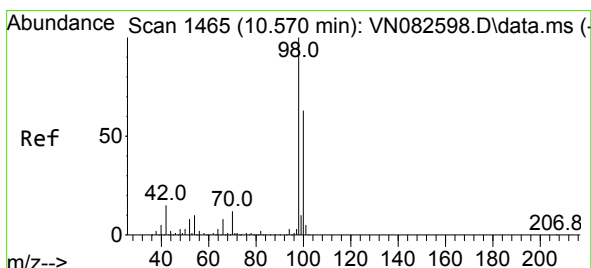
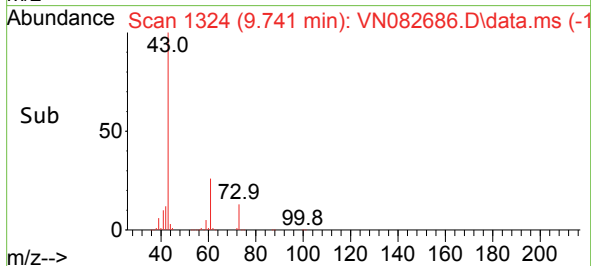
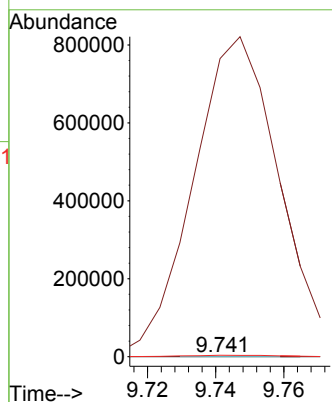
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 1193716.4 27.8 41.8#

58 6015.6 59.4 89.0#



#50

Toluene-d8

Concen: 54.261 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082686.D

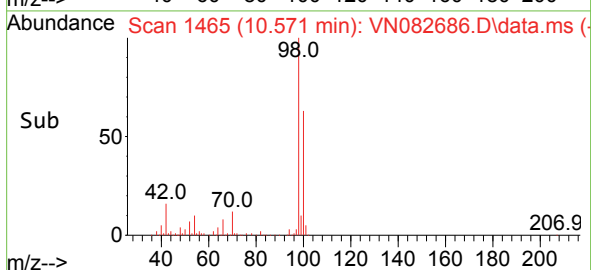
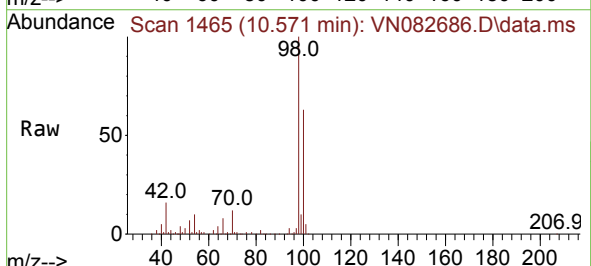
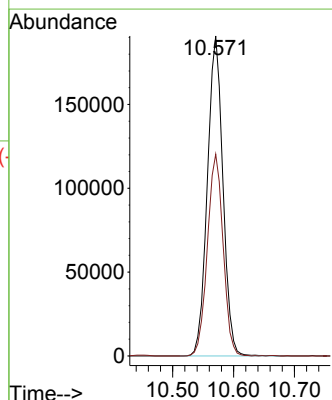
Acq: 21 Jun 2024 18:35

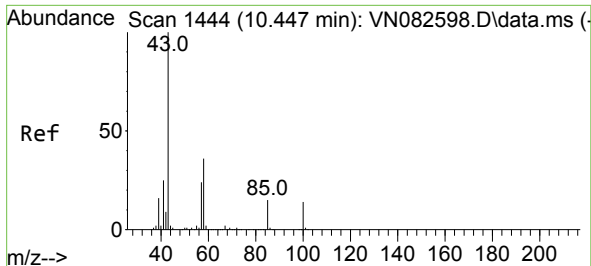
Tgt Ion: 98 Resp: 338720

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3

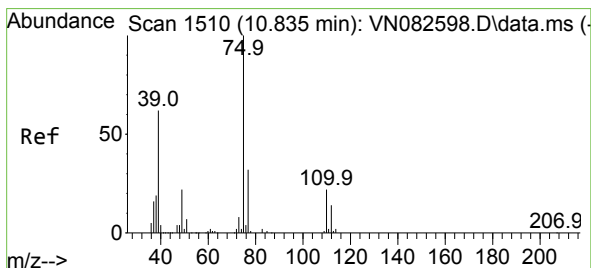
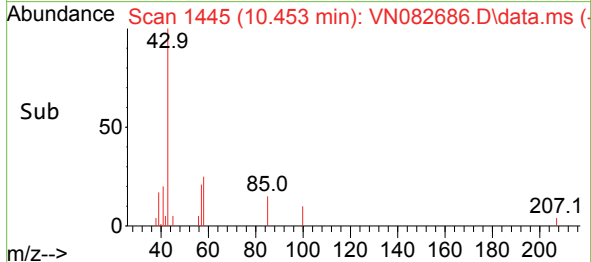
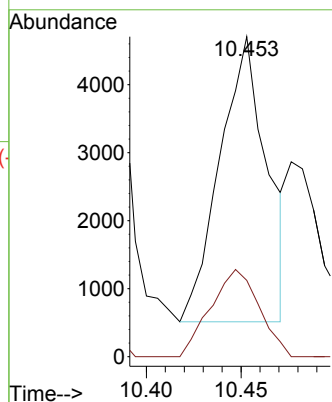
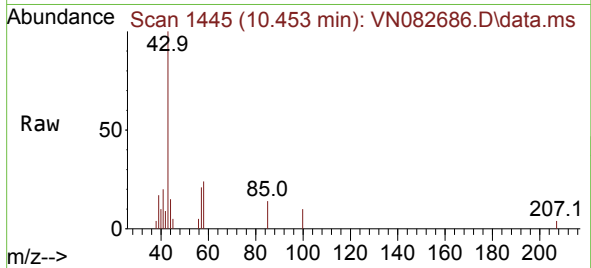




#51
4-Methyl-2-Pentanone
Concen: 2.397 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

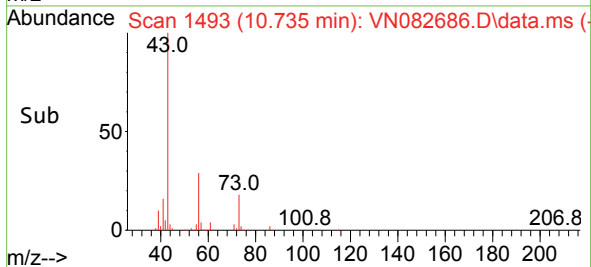
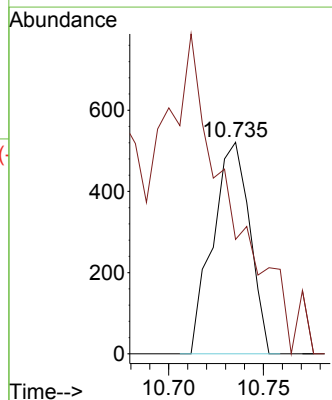
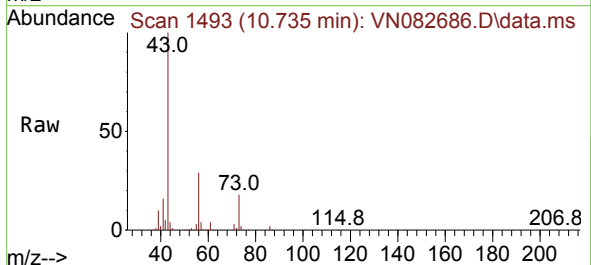
Instrument :
MSVOA_N
ClientSampleId :

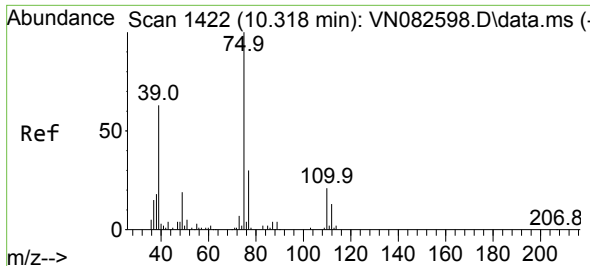
Tgt Ion: 43 Resp: 7223
Ion Ratio Lower Upper
43 100
58 31.7 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.244 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

Tgt Ion: 75 Resp: 707
Ion Ratio Lower Upper
75 100
77 14.2 25.7 38.5#

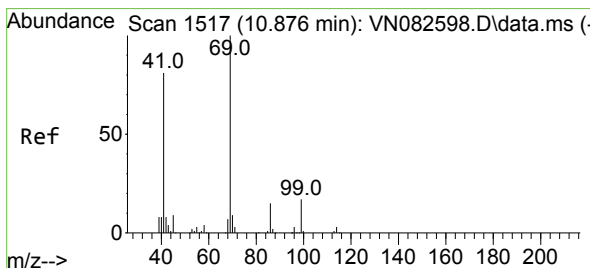
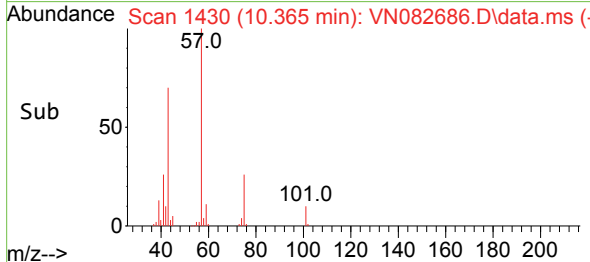
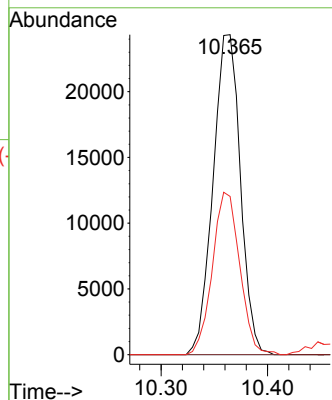
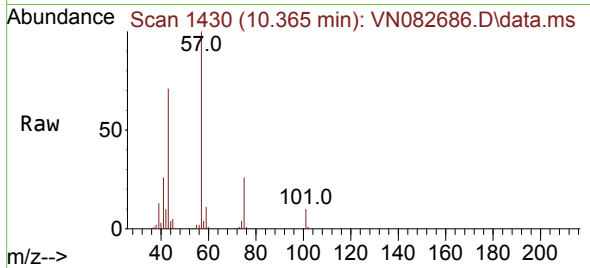




#54
cis-1,3-Dichloropropene
Concen: 14.446 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

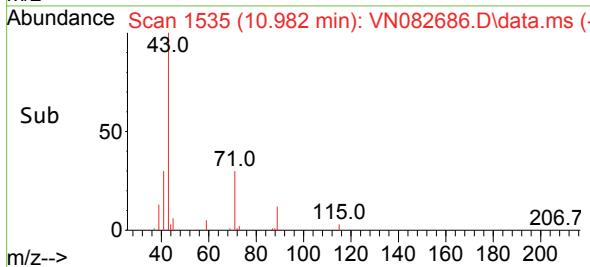
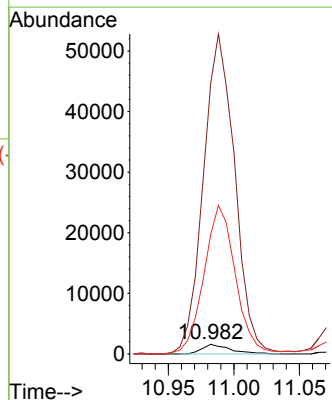
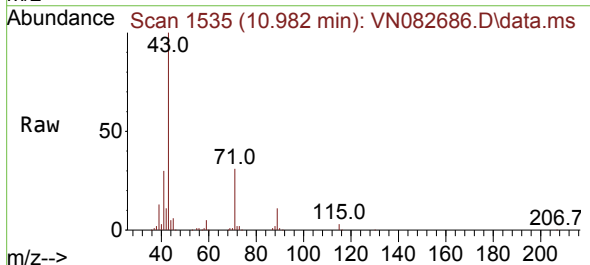
Instrument :
MSVOA_N
ClientSampleId :

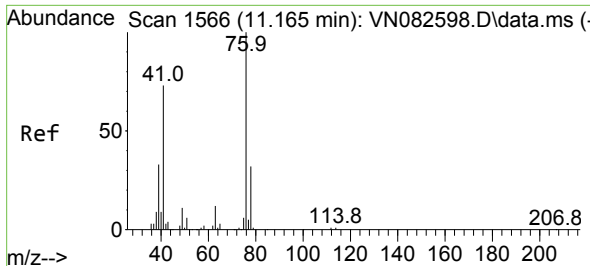
Tgt Ion: 75 Resp: 43316
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 49.4 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.857 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

Tgt Ion: 69 Resp: 2375
Ion Ratio Lower Upper
69 100
41 3715.5 63.4 95.2#
39 1733.4 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.921 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Instrument :

MSVOA_N

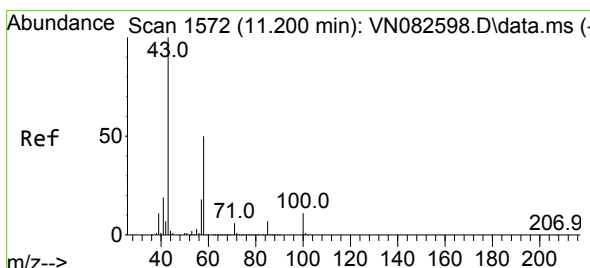
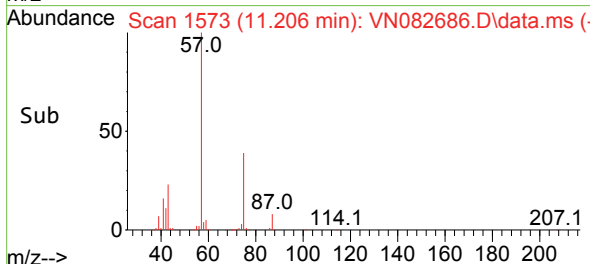
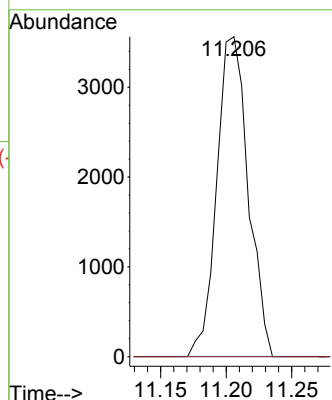
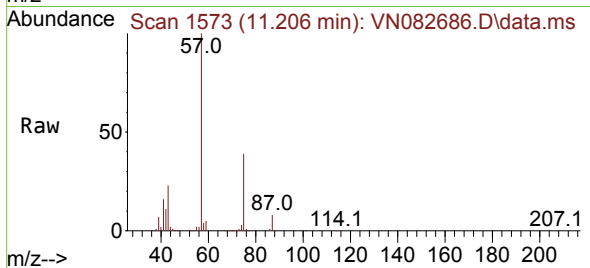
ClientSampleId :

Tgt Ion: 76 Resp: 5939

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.308 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN082686.D

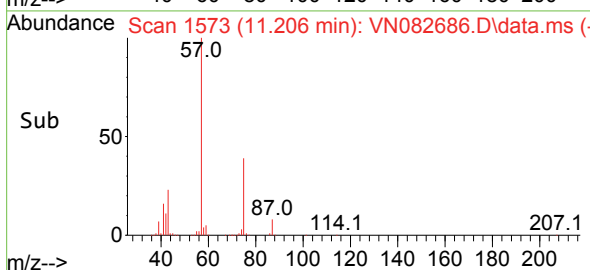
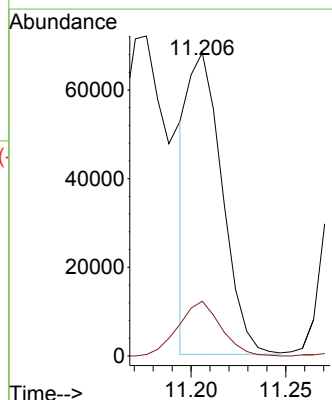
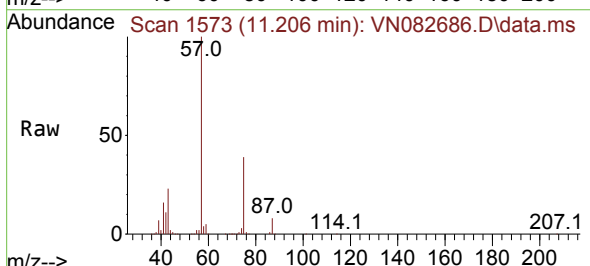
Acq: 21 Jun 2024 18:35

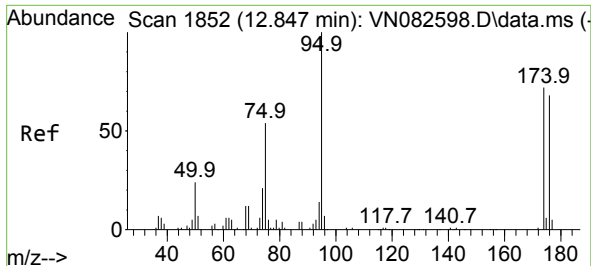
Tgt Ion: 43 Resp: 85438

Ion Ratio Lower Upper

43 100

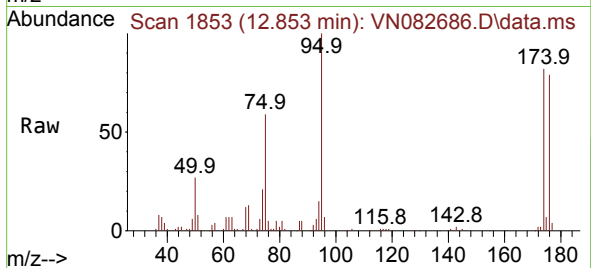
58 22.6 24.6 73.8#



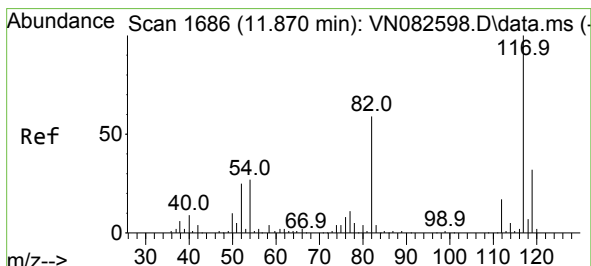
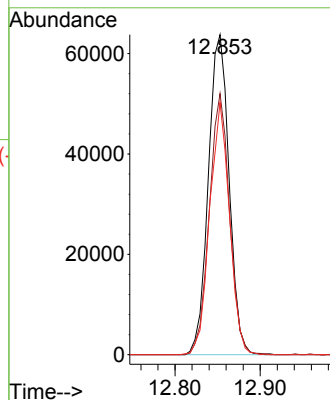
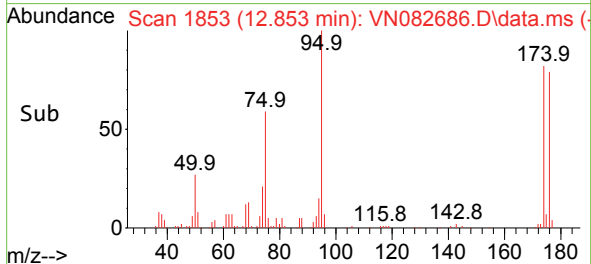


#62
4-Bromofluorobenzene
Concen: 50.117 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

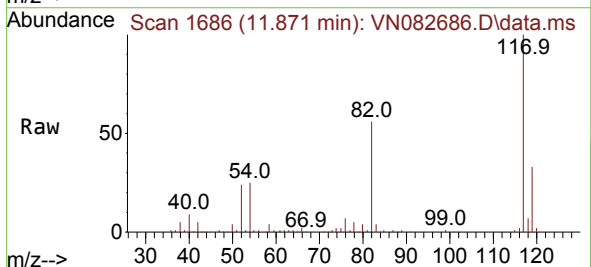
Instrument :
MSVOA_N
ClientSampleId :



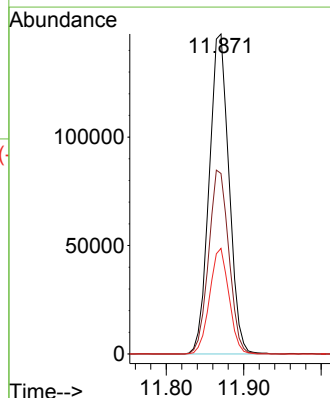
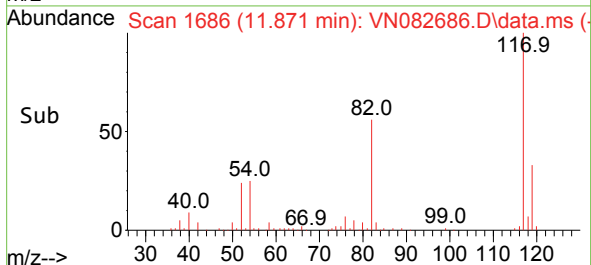
Tgt Ion: 95 Resp: 107860
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.2
176 75.2 0.0 147.6

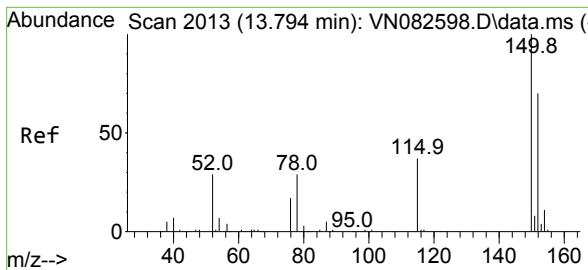


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35



Tgt Ion: 117 Resp: 262349
Ion Ratio Lower Upper
117 100
82 56.4 47.5 71.3
119 33.0 25.6 38.4

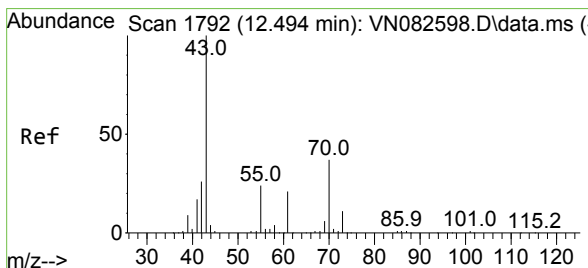
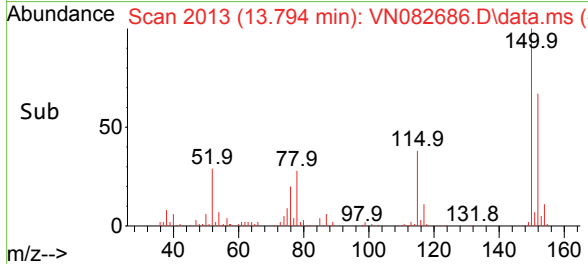
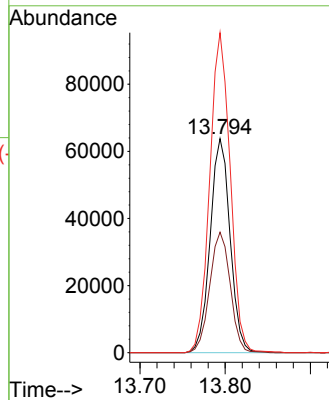
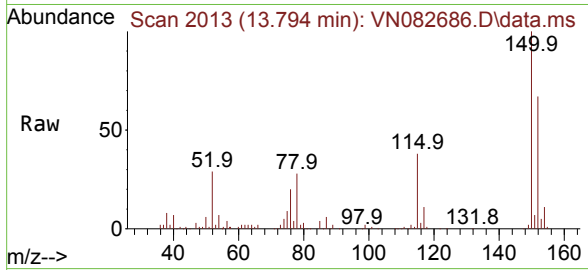




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

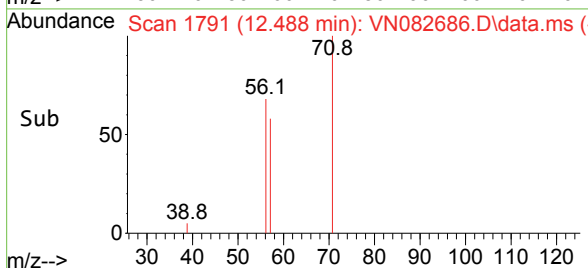
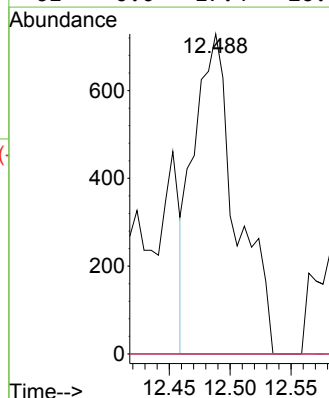
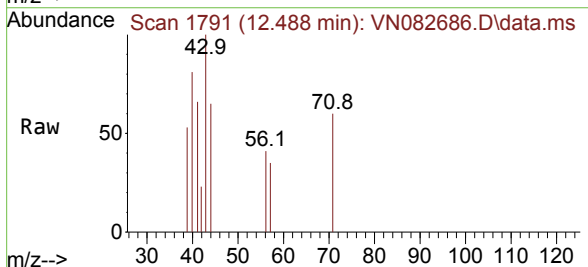
Instrument :
MSVOA_N
ClientSampleId :

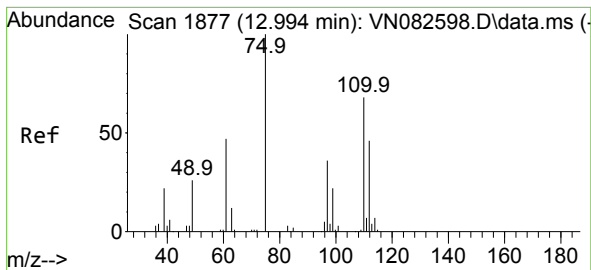
Tgt Ion:152 Resp: 103691
Ion Ratio Lower Upper
152 100
115 57.9 30.6 91.6
150 153.2 0.0 348.6



#74
N-ethyl acetate
Concen: 0.422 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082686.D
Acq: 21 Jun 2024 18:35

Tgt Ion: 43 Resp: 1773
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: 24.709 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Instrument :

MSVOA_N

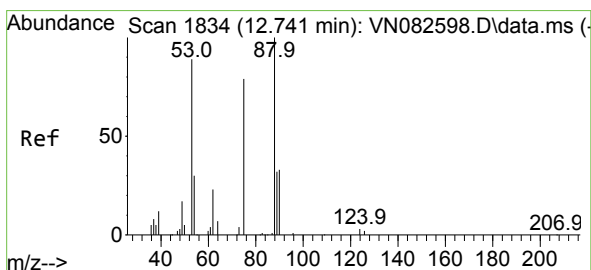
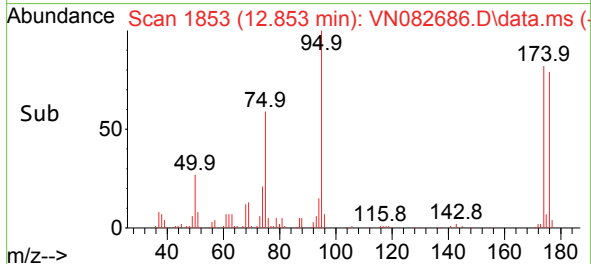
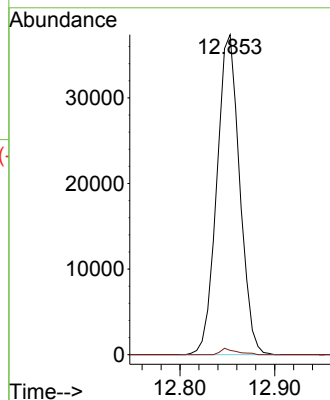
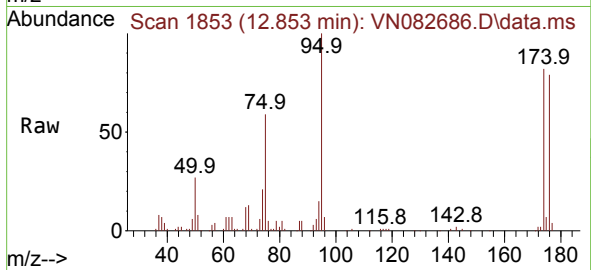
ClientSampleId :

Tgt Ion: 75 Resp: 62665

Ion Ratio Lower Upper

75 100

77 1.4 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.114 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082686.D

Acq: 21 Jun 2024 18:35

Tgt Ion: 75 Resp: 62665

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

