

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070324\
 Data File : VN082806.D
 Acq On : 03 Jul 2024 16:28
 Operator : JC\MD
 Sample : P3152-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 04 00:01:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

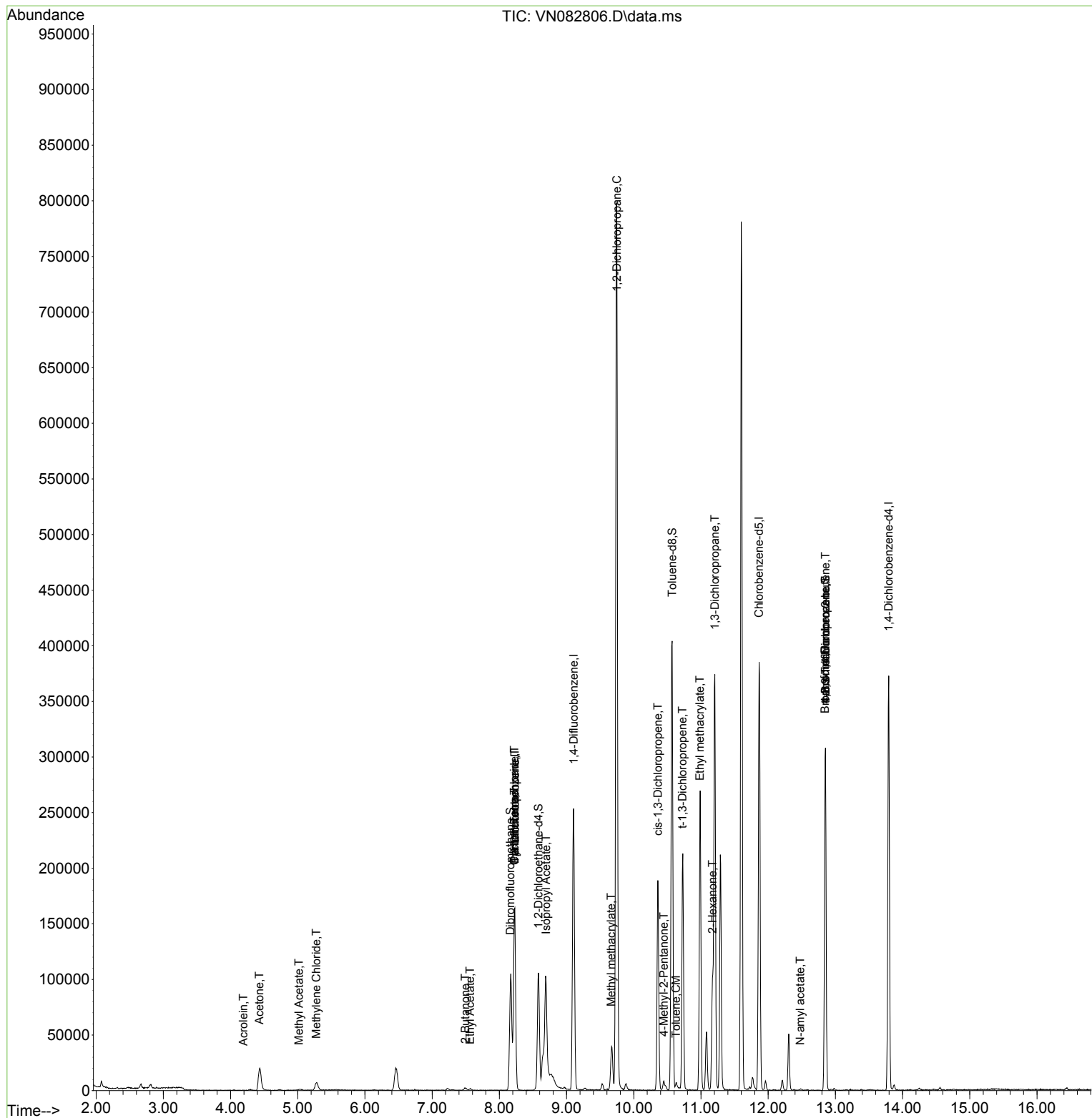
Internal Standards						
1) Pentafluorobenzene	8.230	168	115338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	217311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	217567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	88084	49.522	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.040%		
35) Dibromofluoromethane	8.165	113	73312	51.240	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.480%		
50) Toluene-d8	10.571	98	278578	52.063	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.120%		
62) 4-Bromofluorobenzene	12.853	95	102871	55.983	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	111.960%		
Target Compounds						
					Qvalue	
13) Acrolein	4.189	56	54	0.312	ug/l #	14
16) Acetone	4.430	43	39229	58.212	ug/l	96
18) Methyl Acetate	5.018	43	661	0.369	ug/l #	76
20) Methylene Chloride	5.277	84	5765	3.381	ug/l #	75
25) 2-Butanone	7.494	43	4292	4.169	ug/l	91
31) Cyclohexane	8.224	56	2838	1.132	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	10001	4.863	ug/l #	51
37) Ethyl Acetate	7.565	43	2356	1.060	ug/l #	76
38) Carbon Tetrachloride	8.224	117	12558	5.221	ug/l #	16
43) Isopropyl Acetate	8.694	43	150457	38.941	ug/l #	85
45) 1,2-Dichloropropane	9.747	63	991	0.606	ug/l #	44
48) Methyl methacrylate	9.665	41	2615	1.529	ug/l #	51
51) 4-Methyl-2-Pentanone	10.447	43	5315	2.338	ug/l	98
52) Toluene	10.629	92	3086	0.779	ug/l	86
53) t-1,3-Dichloropropene	10.724	75	556	0.242	ug/l #	62
54) cis-1,3-Dichloropropene	10.359	75	32661	13.497	ug/l #	58
56) Ethyl methacrylate	10.982	69	788	0.341	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3912	1.449	ug/l #	43
59) 2-Hexanone	11.171	43	77628	46.051	ug/l #	28
71) Bromoform	12.847	173	865	0.652	ug/l #	1
74) N-amyl acetate	12.476	43	1271	0.406	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	57977	27.642	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57977	72.087	ug/l #	6

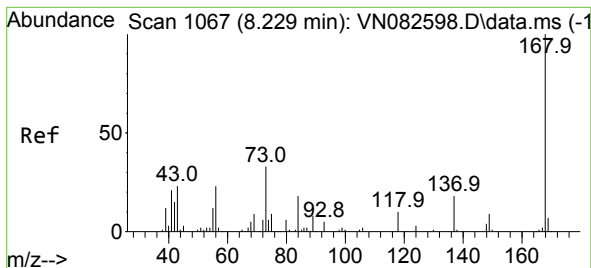
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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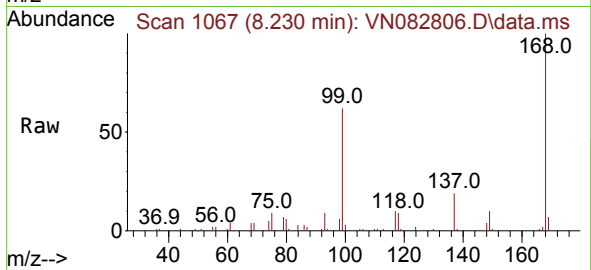
Quant Time: Jul 04 00:01:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
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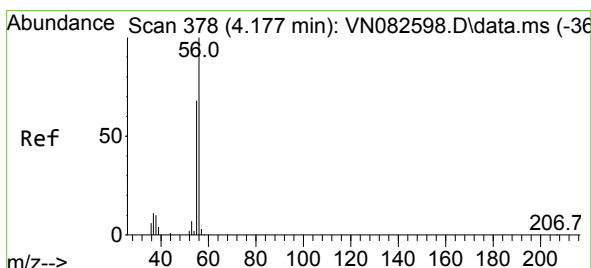
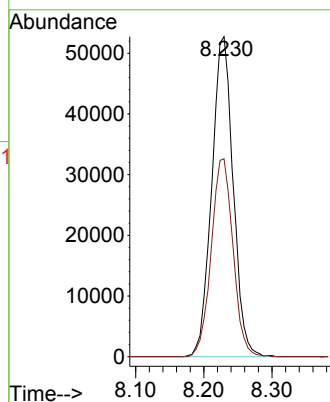
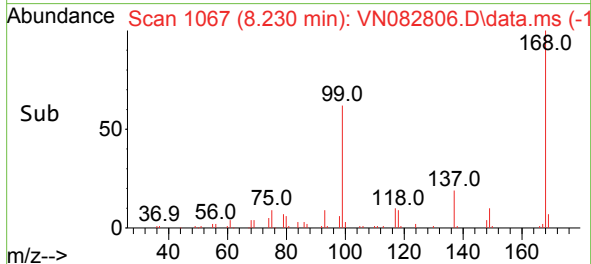


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :

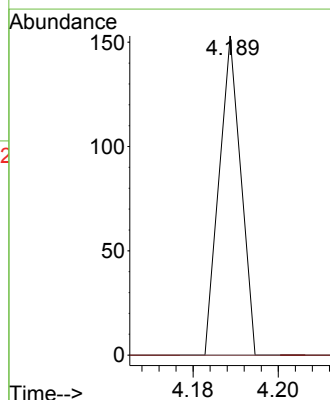
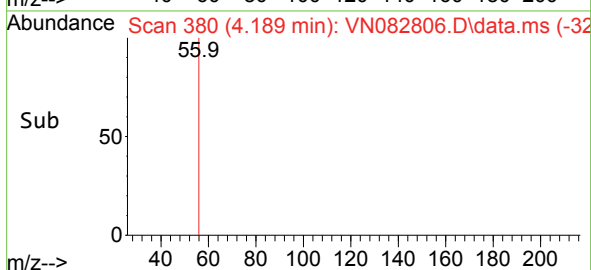
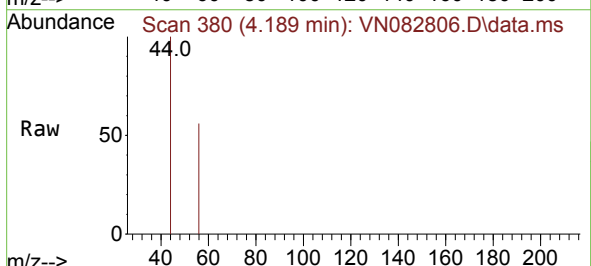


Tgt Ion:168 Resp: 115338
Ion Ratio Lower Upper
168 100
99 61.8 48.2 72.4



#13
Acrolein
Concen: 0.312 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#





#16

Acetone

Concen: 58.212 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

Instrument :

MSVOA_N

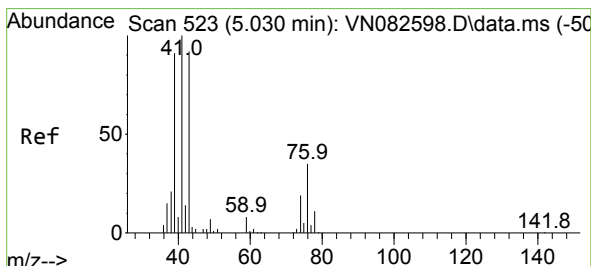
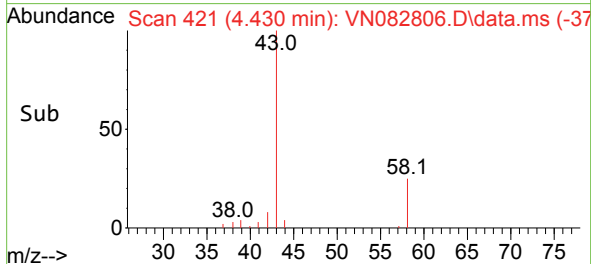
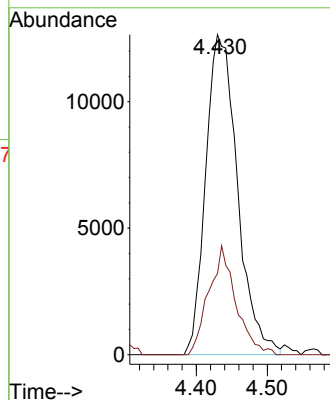
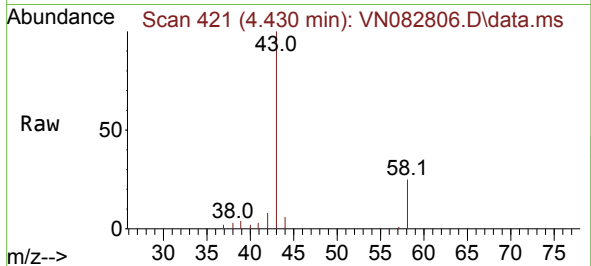
ClientSampleId :

Tgt Ion: 43 Resp: 39229

Ion Ratio Lower Upper

43 100

58 25.3 21.8 32.6



#18

Methyl Acetate

Concen: 0.369 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.012 min

Lab File: VN082806.D

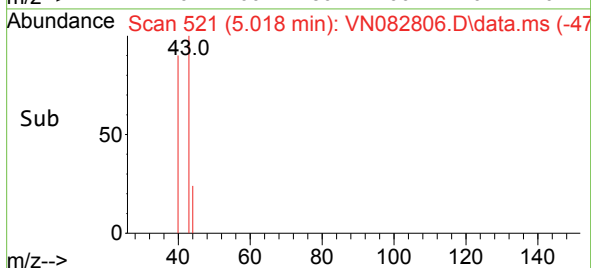
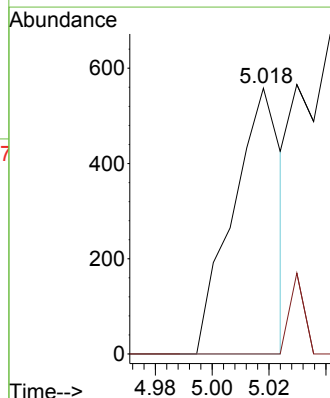
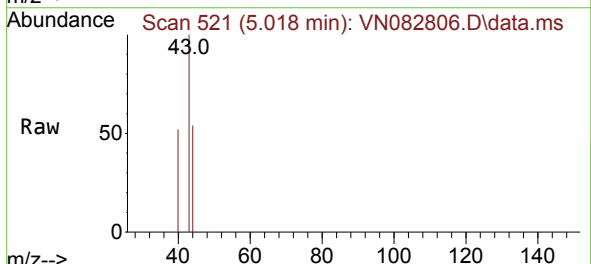
Acq: 03 Jul 2024 16:28

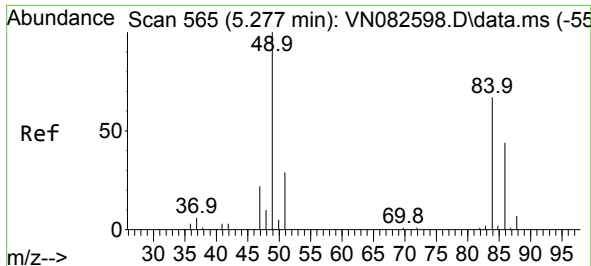
Tgt Ion: 43 Resp: 661

Ion Ratio Lower Upper

43 100

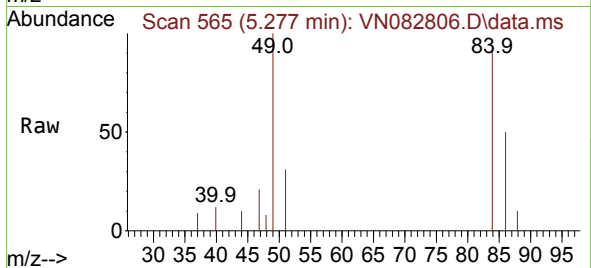
74 9.1 16.3 24.5#



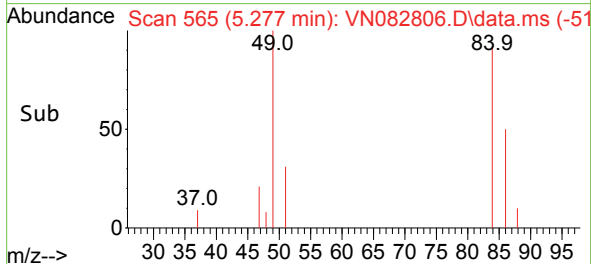
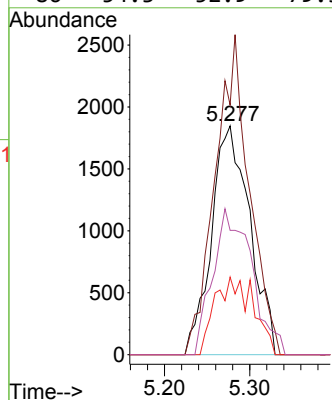


#20
Methylene Chloride
Concen: 3.381 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :

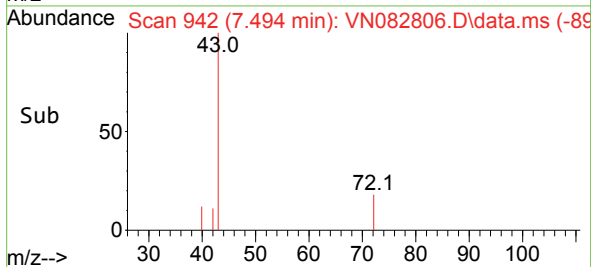
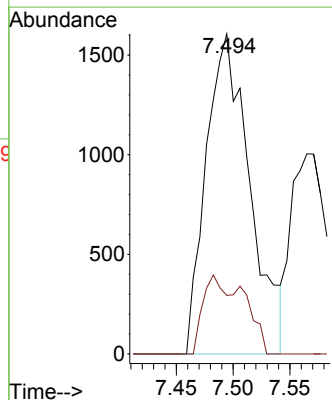
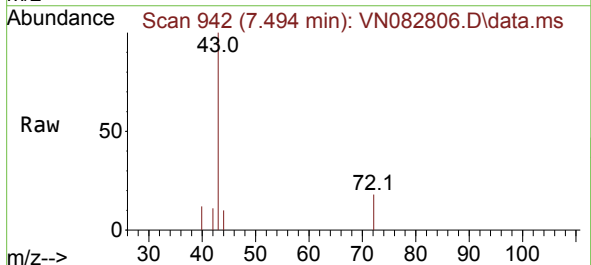


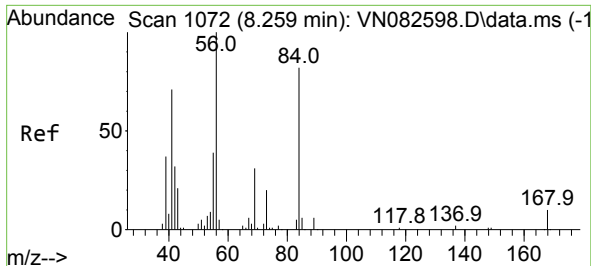
Tgt Ion:	84	Resp:	5765
Ion	Ratio	Lower	Upper
84	100		
49	109.1	119.6	179.4#
51	33.9	34.8	52.2#
86	54.3	52.9	79.3



#25
2-Butanone
Concen: 4.169 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

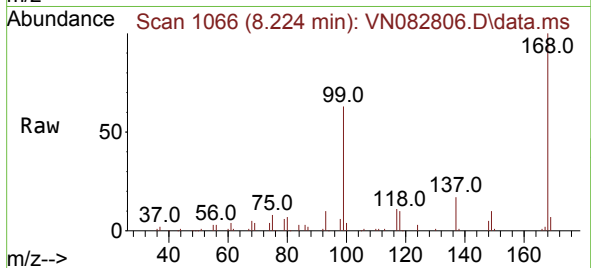
Tgt Ion:	43	Resp:	4292
Ion	Ratio	Lower	Upper
43	100		
72	18.3	18.2	27.2



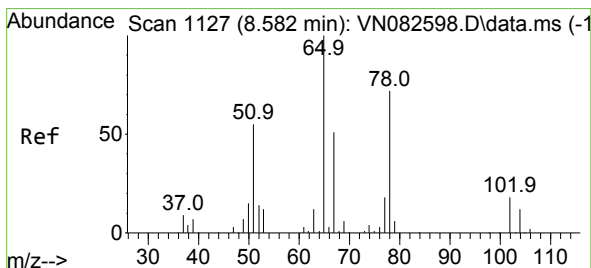
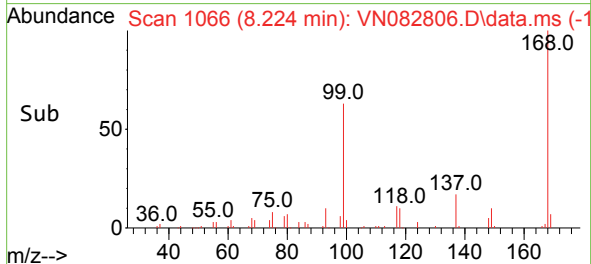
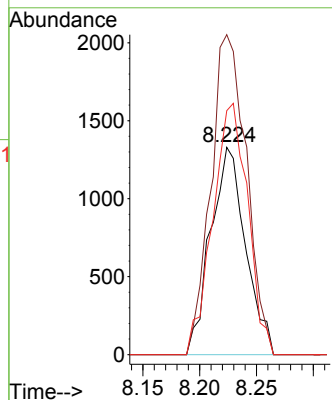


#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :

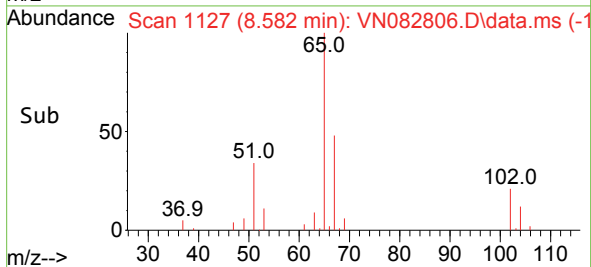
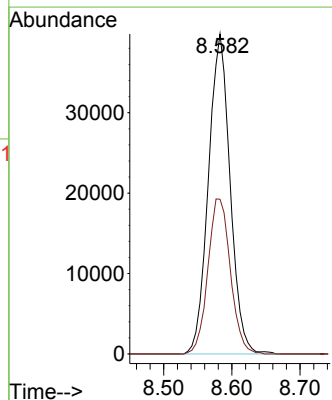
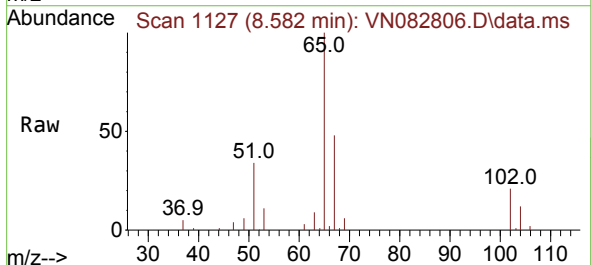


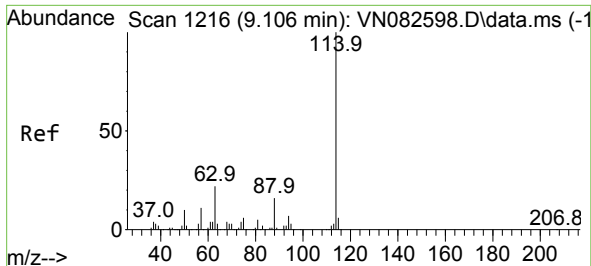
Tgt Ion: 56 Resp: 2838
Ion Ratio Lower Upper
56 100
69 154.3 24.5 36.7#
84 117.7 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 49.522 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

Tgt Ion: 65 Resp: 88084
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# 11

Delta R.T. 0.000 min

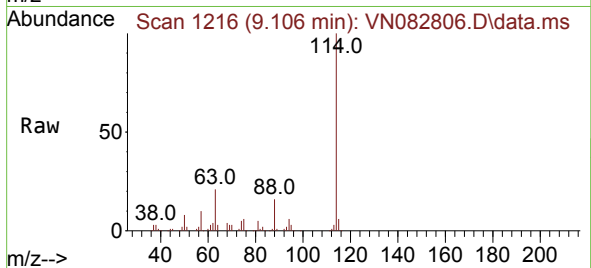
Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :



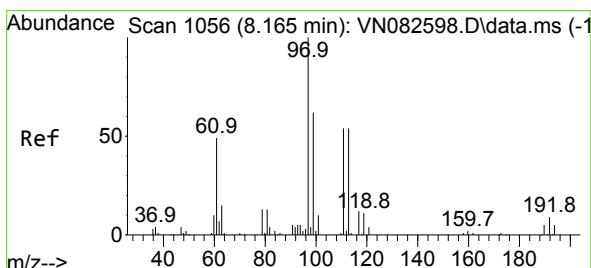
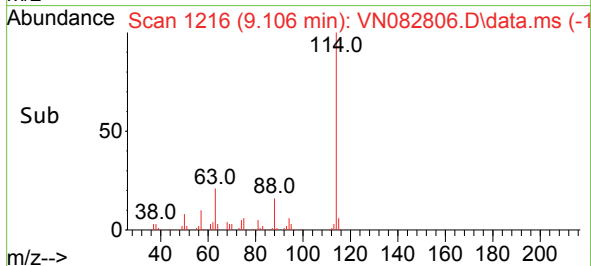
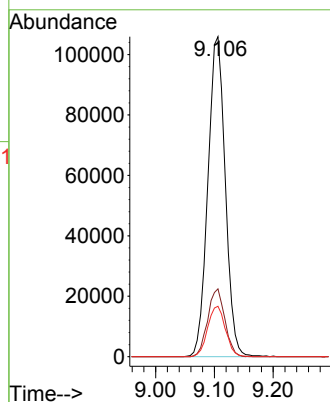
Tgt Ion:114 Resp: 217311

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.6

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.240 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

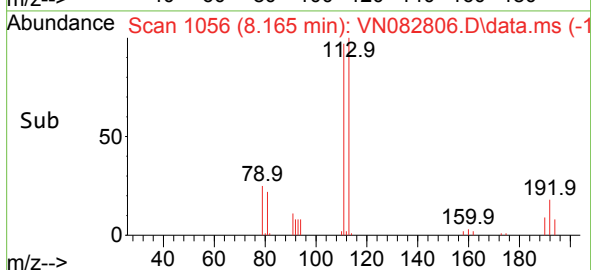
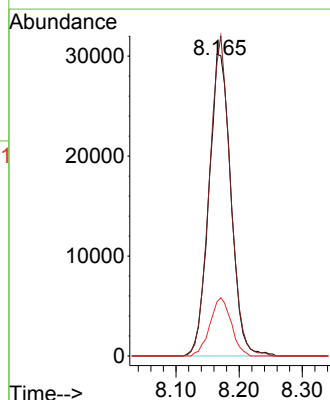
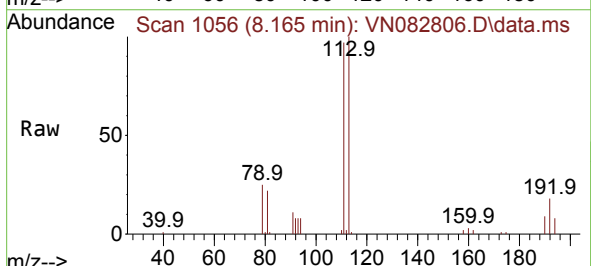
Tgt Ion:113 Resp: 73312

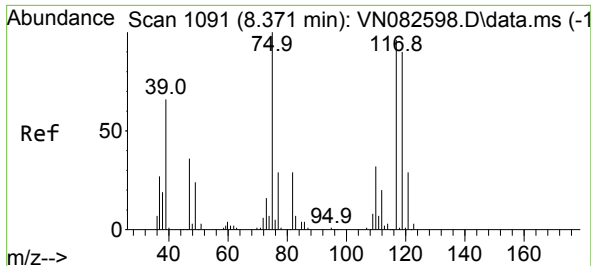
Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

192 18.5 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.863 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

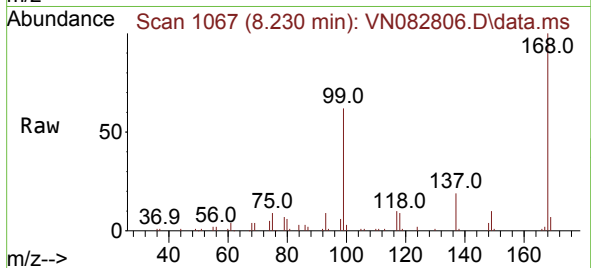
Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :



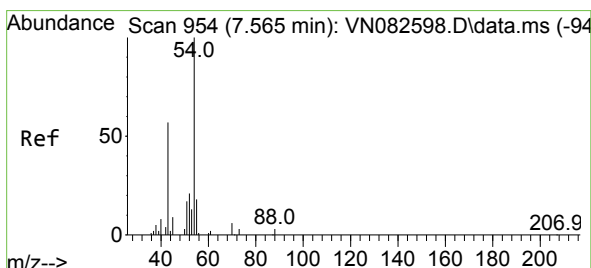
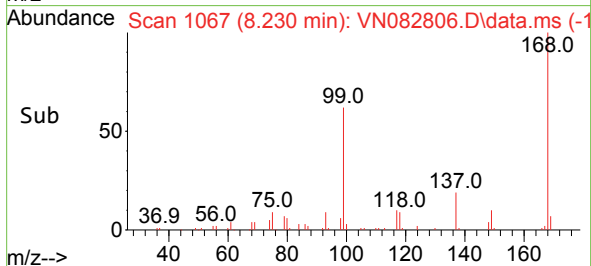
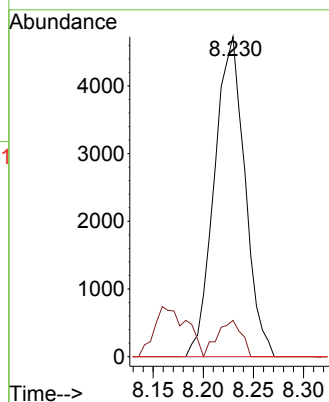
Tgt Ion: 75 Resp: 10001

Ion Ratio Lower Upper

75 100

110 8.9 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.060 ug/l

RT: 7.565 min Scan# 954

Delta R.T. -0.000 min

Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

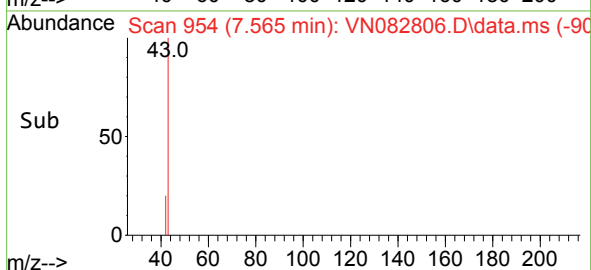
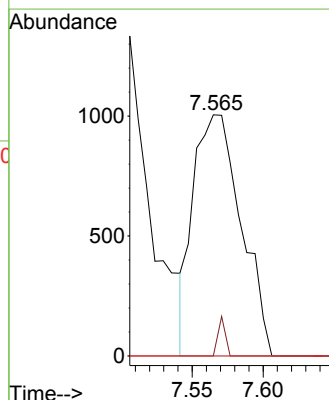
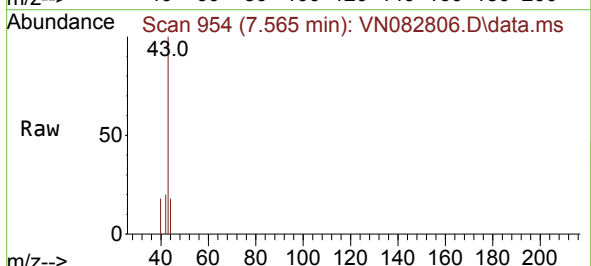
Tgt Ion: 43 Resp: 2356

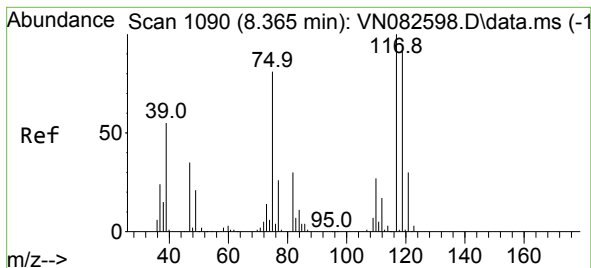
Ion Ratio Lower Upper

43 100

61 2.5 9.3 13.9#

70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.221 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

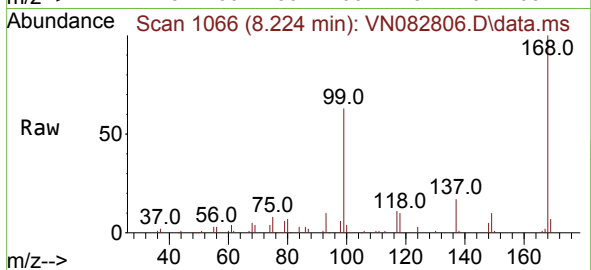
Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :



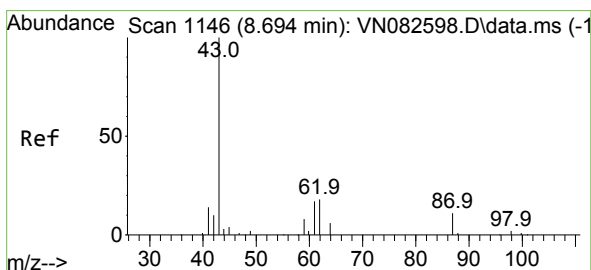
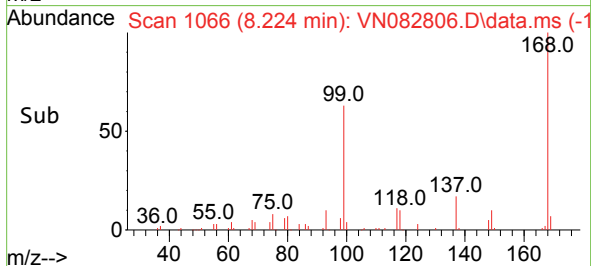
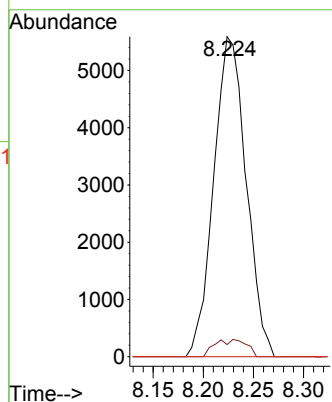
Tgt Ion:117 Resp: 12558

Ion Ratio Lower Upper

117 100

119 3.8 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: 38.941 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

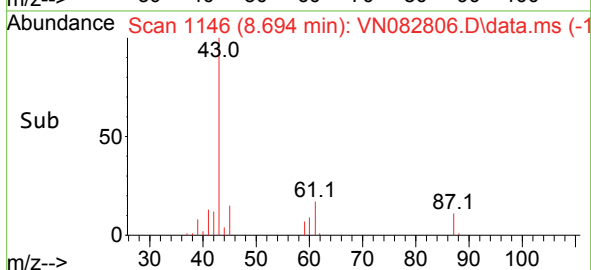
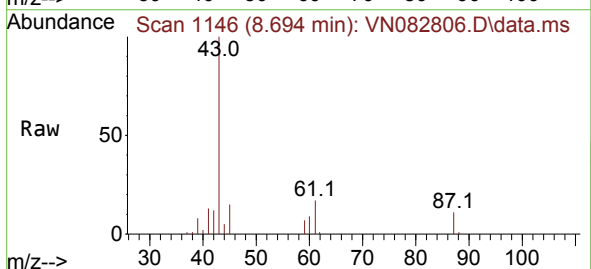
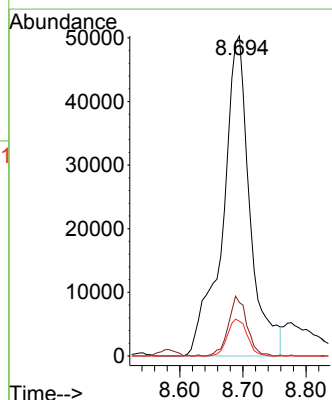
Tgt Ion: 43 Resp: 150457

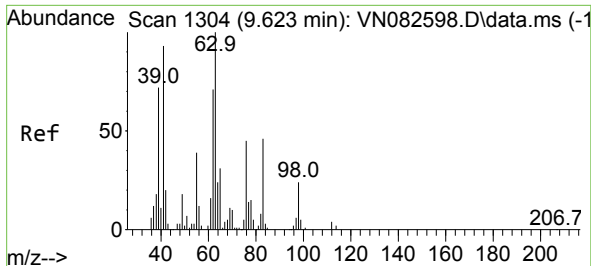
Ion Ratio Lower Upper

43 100

61 12.7 17.8 26.6#

87 8.3 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.606 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

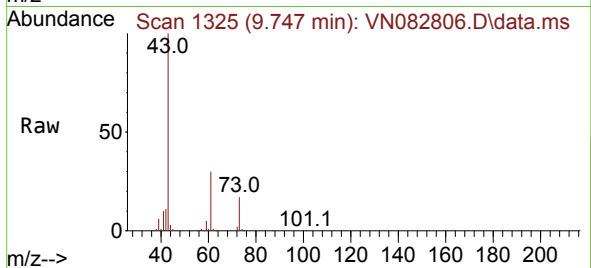
Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :

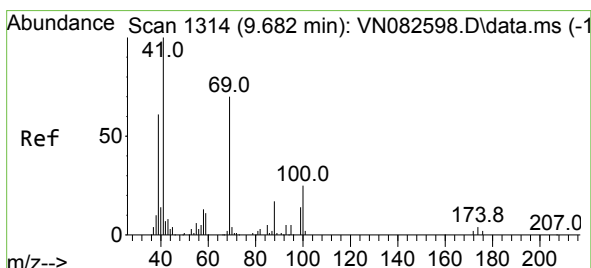
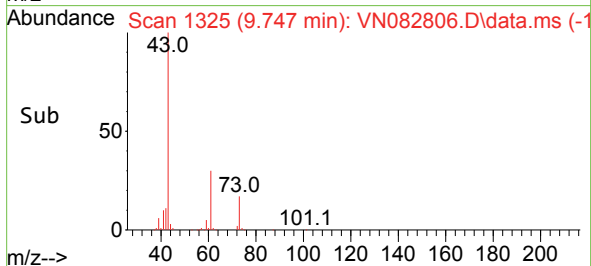
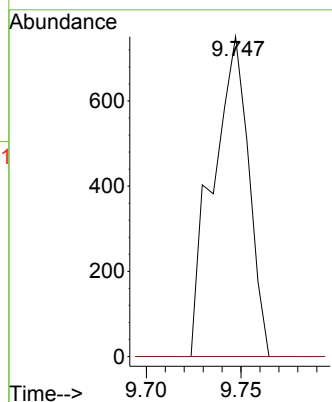


Tgt Ion: 63 Resp: 991

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.529 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.017 min

Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

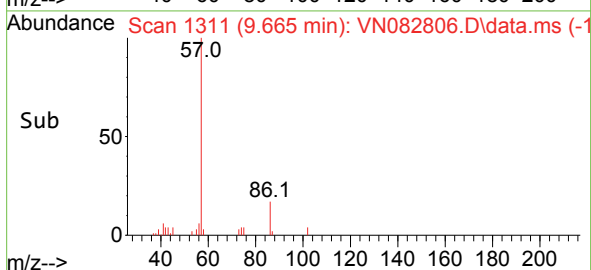
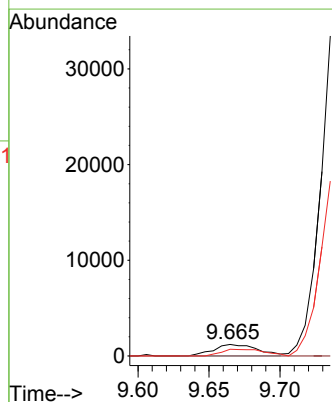
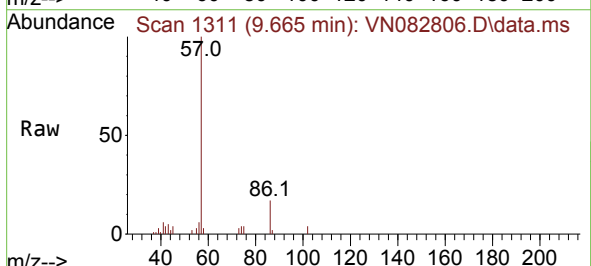
Tgt Ion: 41 Resp: 2615

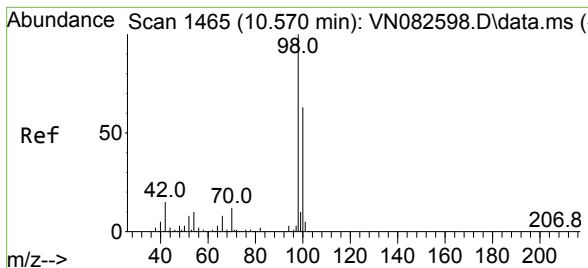
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 56.6 50.3 75.5

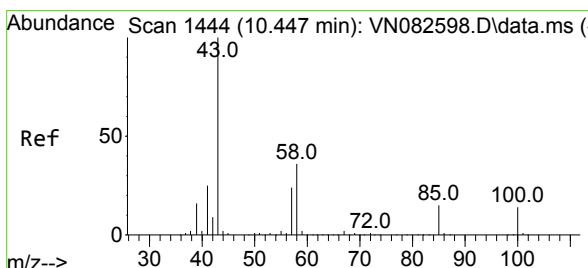
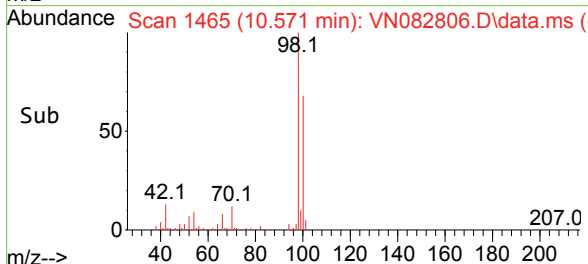
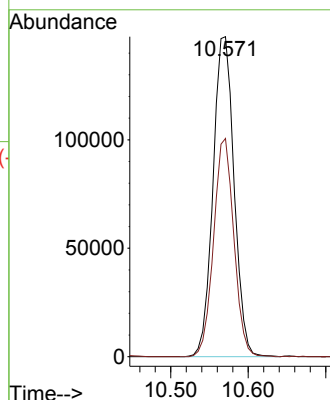
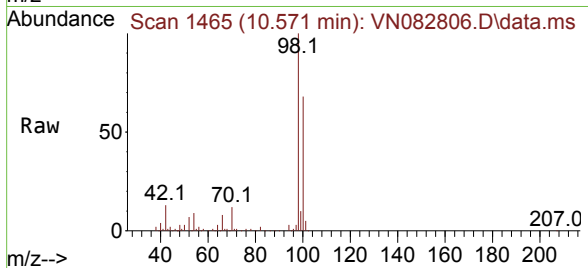




#50
Toluene-d8
Concen: 52.063 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

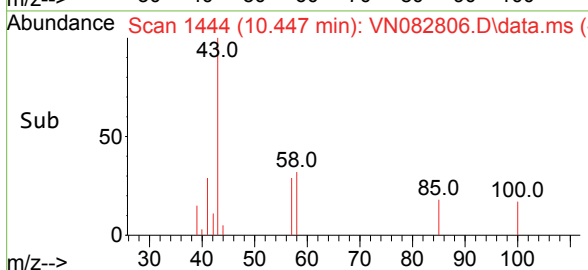
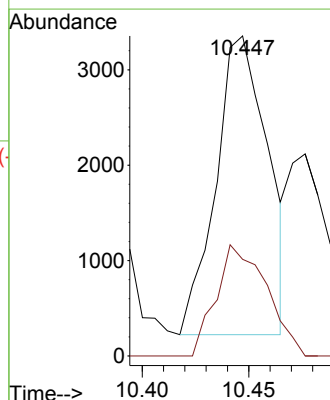
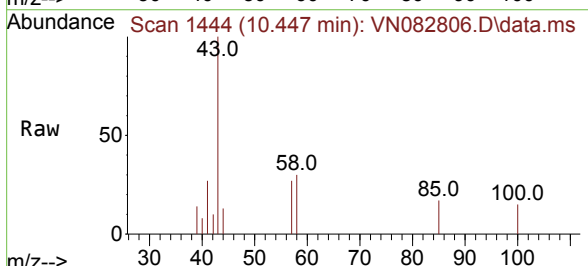
Instrument :
MSVOA_N
ClientSampleId :

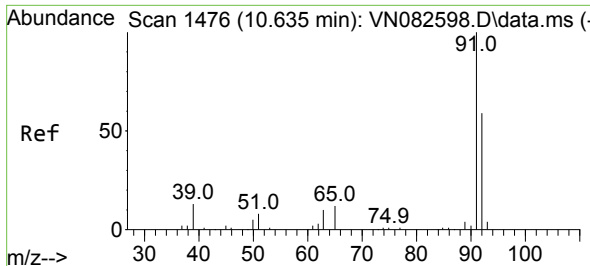
Tgt Ion: 98 Resp: 278578
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.338 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

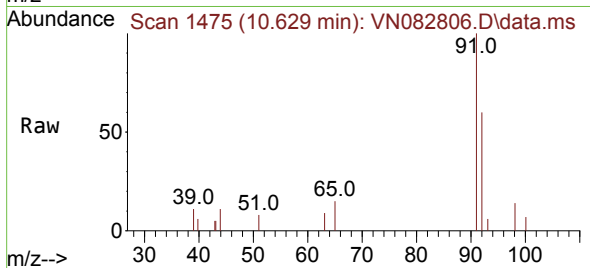
Tgt Ion: 43 Resp: 5315
Ion Ratio Lower Upper
43 100
58 36.3 28.2 42.4



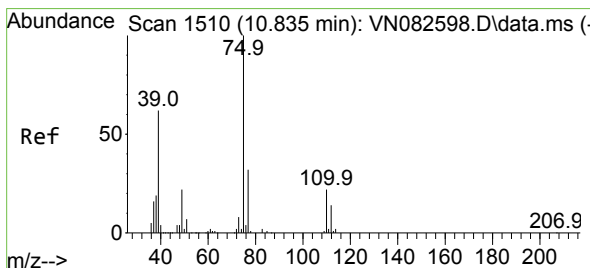
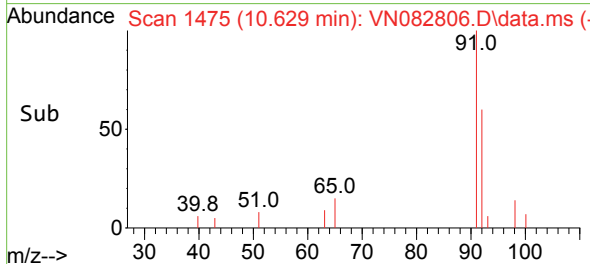
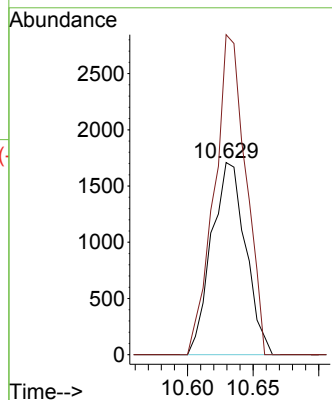


#52
Toluene
Concen: 0.779 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :

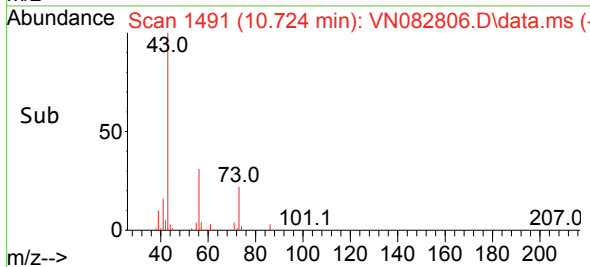
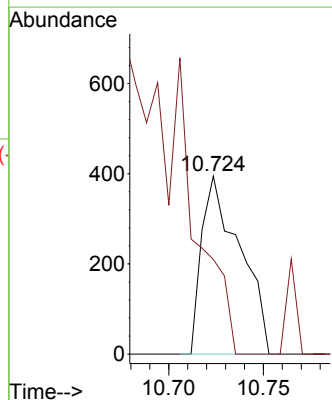
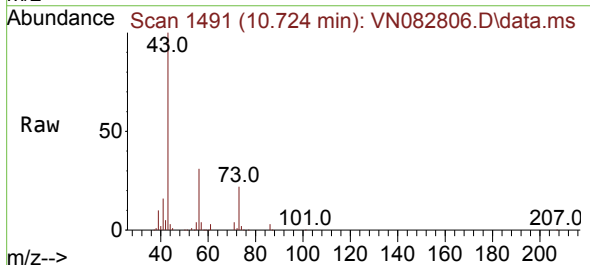


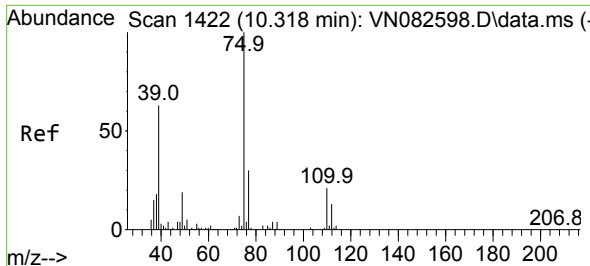
Tgt Ion: 92 Resp: 3086
Ion Ratio Lower Upper
92 100
91 154.3 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 0.242 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.111 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

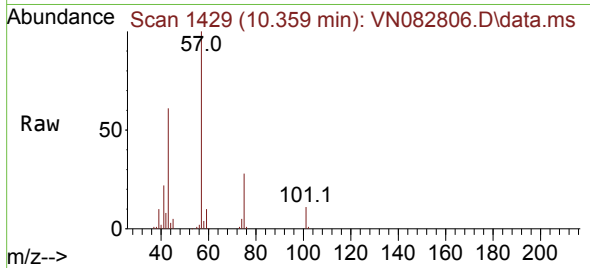
Tgt Ion: 75 Resp: 556
Ion Ratio Lower Upper
75 100
77 53.2 25.7 38.5#



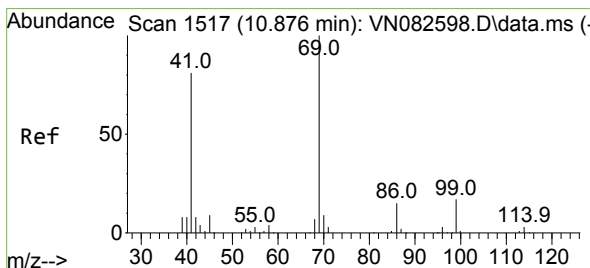
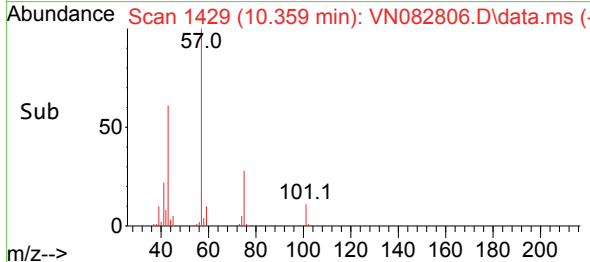
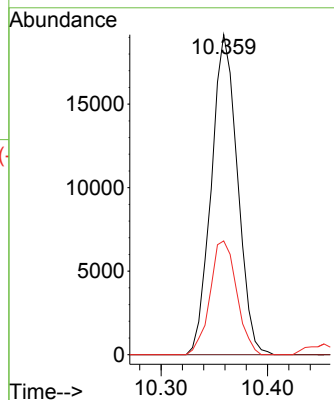


#54
 cis-1,3-Dichloropropene
 Concen: 13.497 ug/l
 RT: 10.359 min Scan# 1422
 Delta R.T. 0.041 min
 Lab File: VN082806.D
 Acq: 03 Jul 2024 16:28

Instrument :
 MSVOA_N
 ClientSampleId :

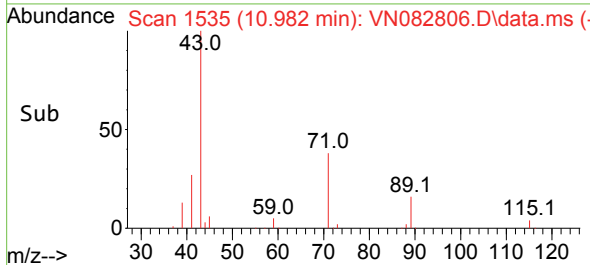
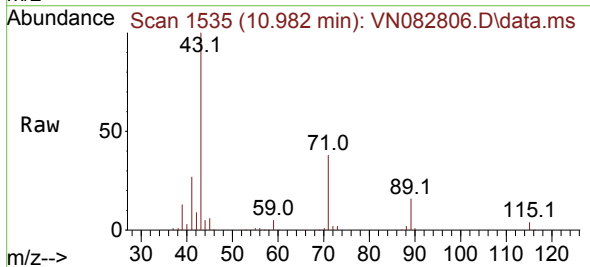
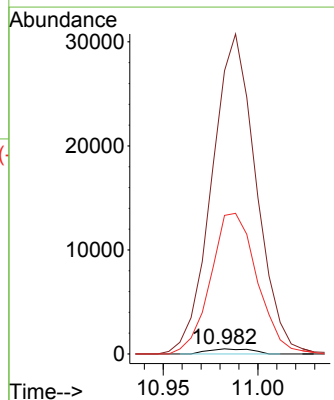


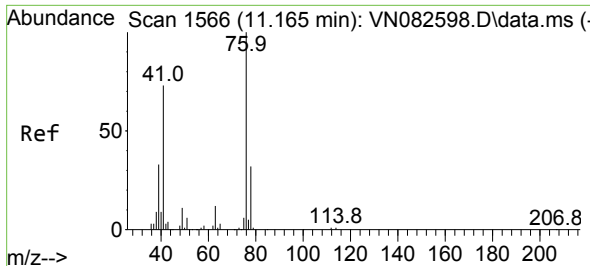
Tgt Ion: 75 Resp: 32661
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 35.6 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.341 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082806.D
 Acq: 03 Jul 2024 16:28

Tgt Ion: 69 Resp: 788
 Ion Ratio Lower Upper
 69 100
 41 6364.0 63.4 95.2#
 39 2941.4 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.449 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

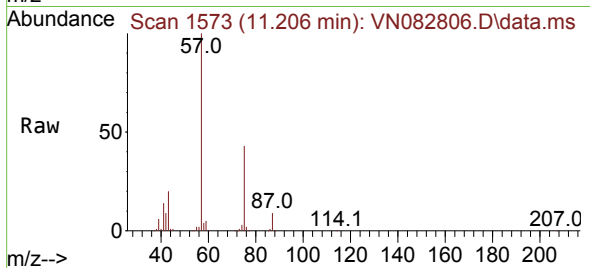
Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :

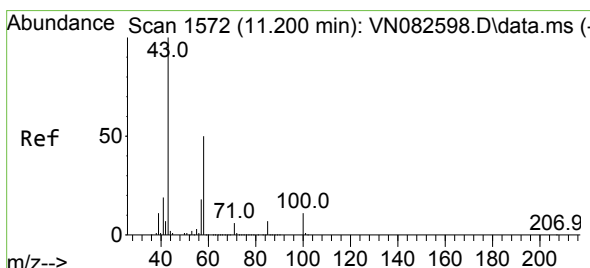
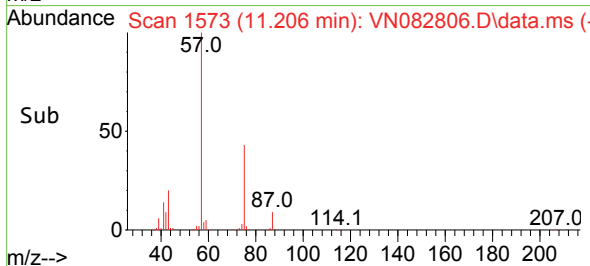
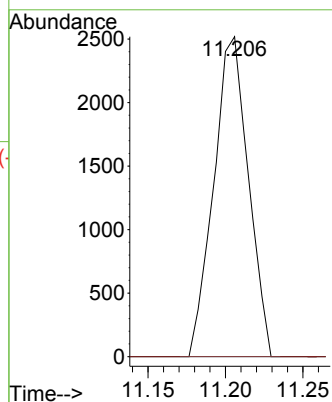


Tgt Ion: 76 Resp: 3912

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 46.051 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN082806.D

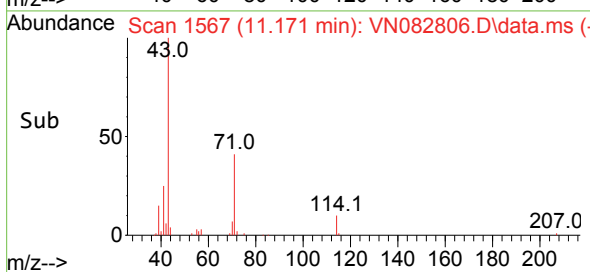
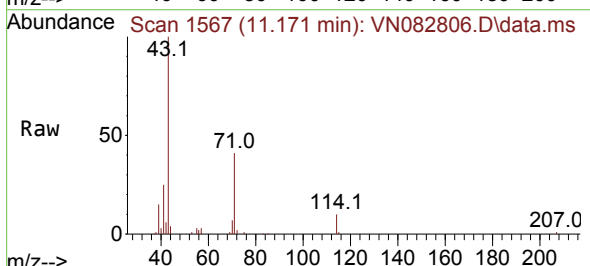
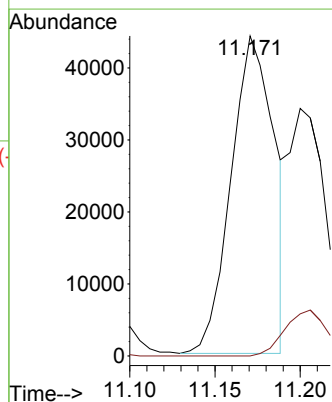
Acq: 03 Jul 2024 16:28

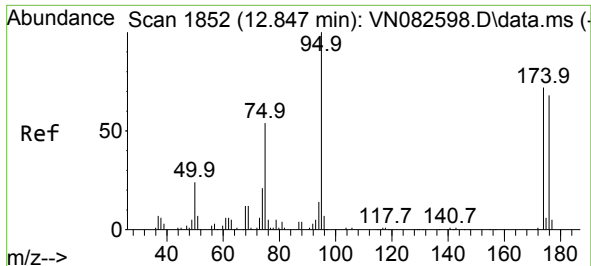
Tgt Ion: 43 Resp: 77628

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#





#62

4-Bromofluorobenzene

Concen: 55.983 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

Instrument :

MSVOA_N

ClientSampleId :

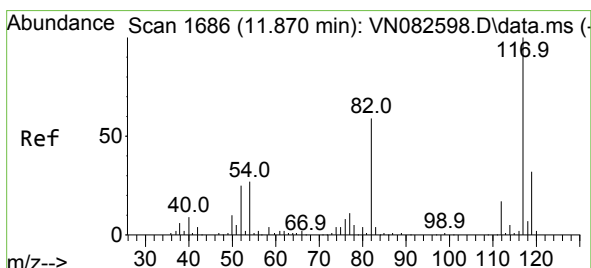
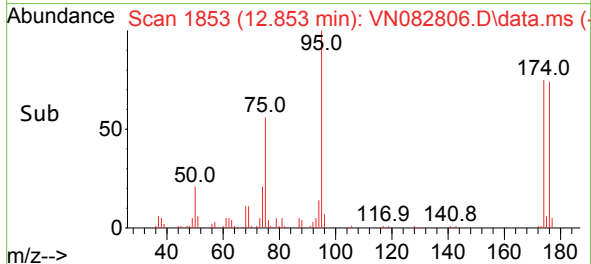
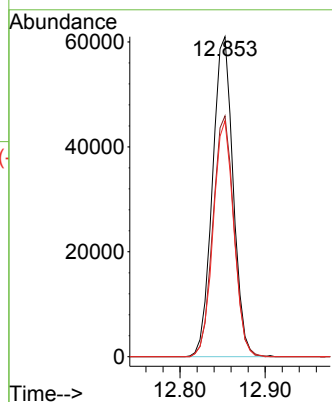
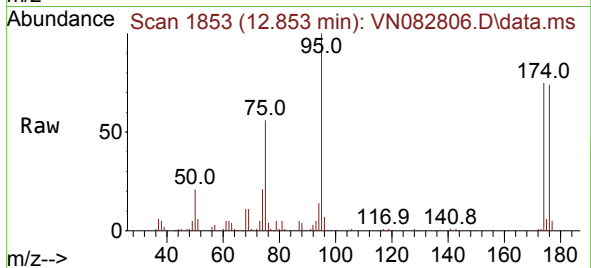
Tgt Ion: 95 Resp: 102871

Ion Ratio Lower Upper

95 100

174 76.2 0.0 159.2

176 73.4 0.0 147.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.005 min

Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

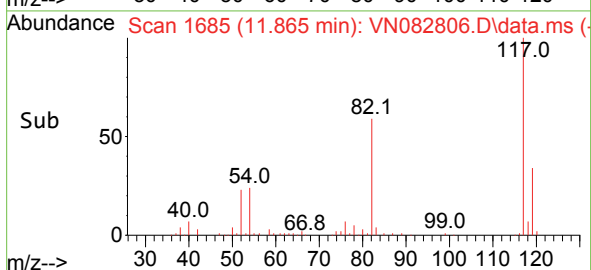
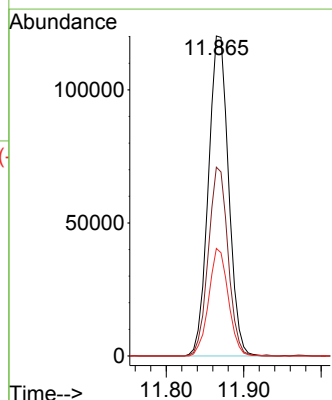
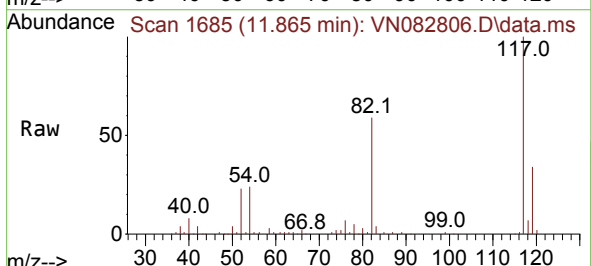
Tgt Ion: 117 Resp: 217567

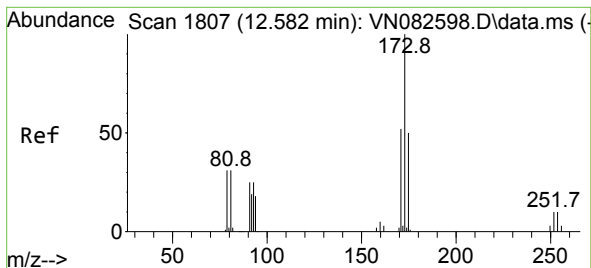
Ion Ratio Lower Upper

117 100

82 59.0 47.5 71.3

119 33.6 25.6 38.4





#71

Bromoform

Concen: 0.652 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

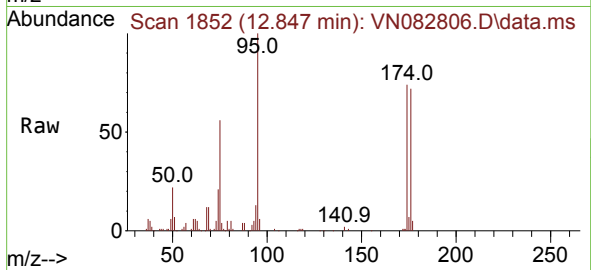
Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

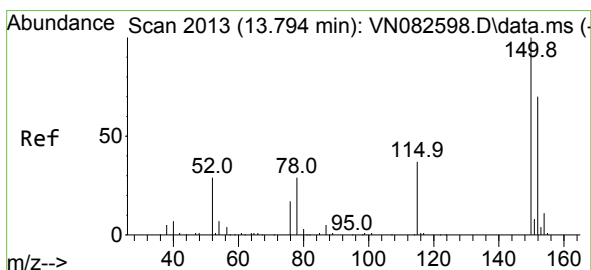
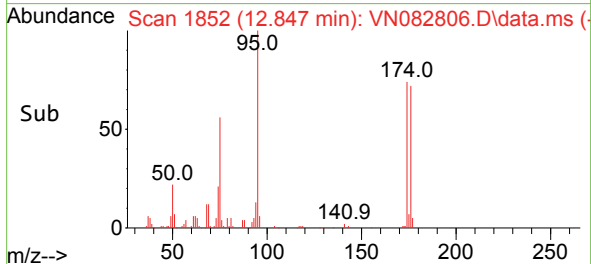
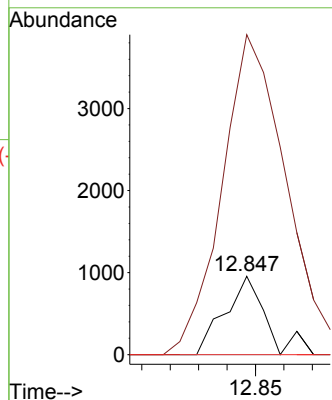
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	865
Ion Ratio	Lower	Upper	
173	100		
175	601.0	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

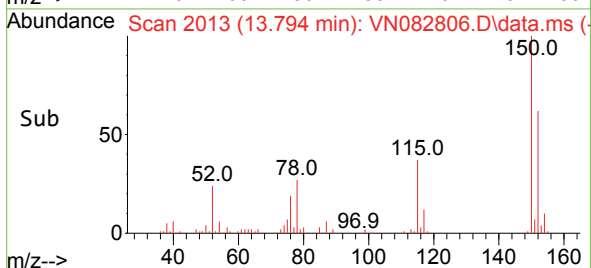
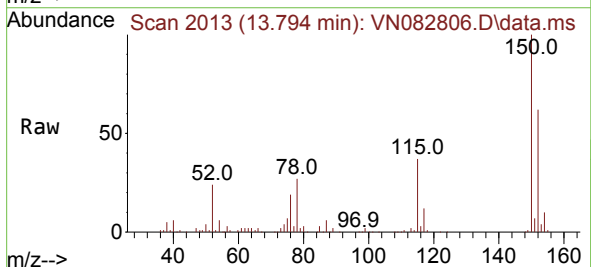
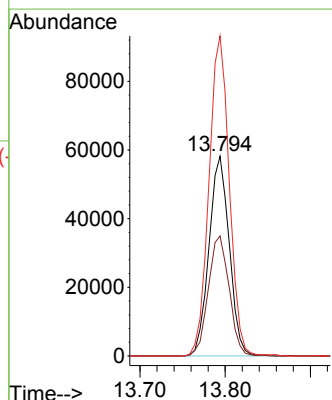
RT: 13.794 min Scan# 2013

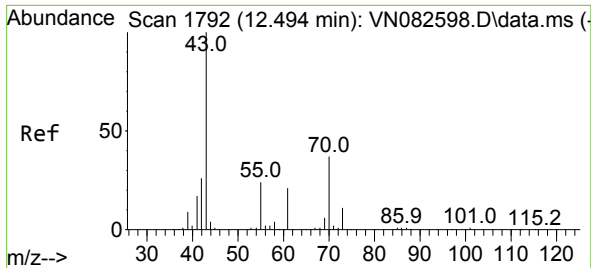
Delta R.T. -0.000 min

Lab File: VN082806.D

Acq: 03 Jul 2024 16:28

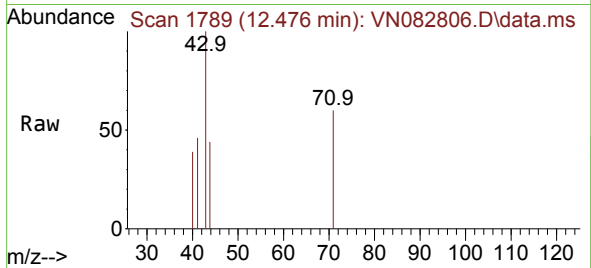
Tgt Ion:	152	Resp:	96158
Ion Ratio	Lower	Upper	
152	100		
115	61.7	30.6	91.6
150	160.2	0.0	348.6



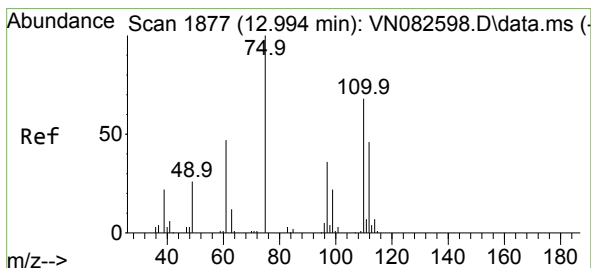
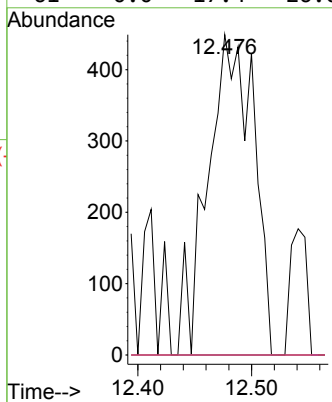
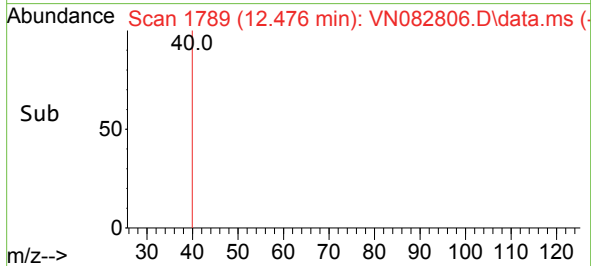


#74
N-amy1 acetate
Concen: 0.406 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :

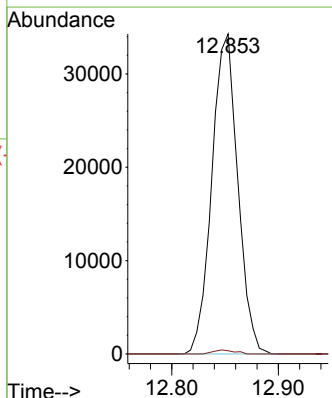
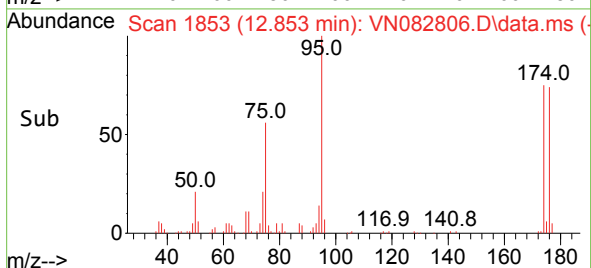
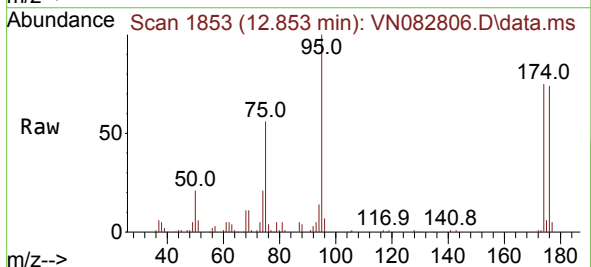


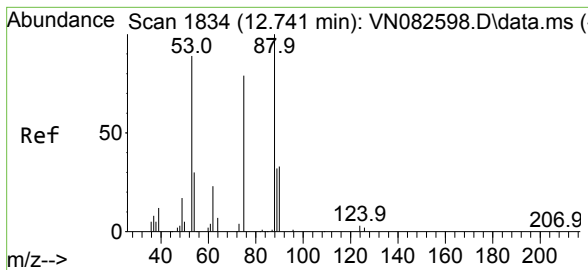
Tgt Ion: 43	Resp: 1271
Ion Ratio	Lower Upper
43	100
70	0.0 29.8 44.6#
55	0.0 18.7 28.1#
61	0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 27.642 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

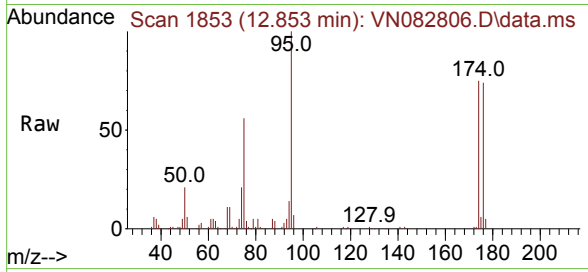
Tgt Ion: 75	Resp: 57977
Ion Ratio	Lower Upper
75	100
77	1.0 110.9 332.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.087 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082806.D
Acq: 03 Jul 2024 16:28

Instrument :
MSVOA_N
ClientSampleId :



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

