

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071224\
 Data File : VN082907.D
 Acq On : 12 Jul 2024 18:17
 Operator : JC\MD
 Sample : P3224-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 400STEVEN-4

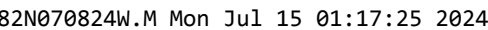
Quant Time: Jul 15 01:17:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

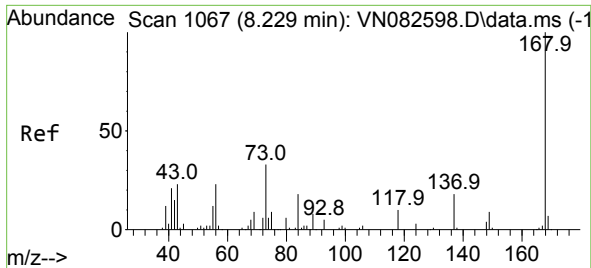
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	106432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	210782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	214391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	83522	55.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.960%			
35) Dibromofluoromethane	8.165	113	67434	49.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	10.571	98	258524	51.751	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.500%			
62) 4-Bromofluorobenzene	12.847	95	81885	45.632	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.260%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	128	0.510	ug/l #	71
16) Acetone	4.430	43	26400	50.259	ug/l	92
18) Methyl Acetate	5.042	43	1958	1.409	ug/l #	56
20) Methylene Chloride	5.277	84	7309	5.762	ug/l #	87
25) 2-Butanone	7.494	43	2652	3.344	ug/l	95
31) Cyclohexane	8.230	56	2575	1.320	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	9503	5.096	ug/l #	50
37) Ethyl Acetate	7.565	43	2636	1.388	ug/l #	78
38) Carbon Tetrachloride	8.224	117	11697	5.210	ug/l #	17
40) Benzene	8.606	78	3785	0.660	ug/l	91
42) 1,2-Dichloroethane	8.677	62	619	0.300	ug/l #	78
43) Isopropyl Acetate	8.688	43	205476	57.865	ug/l #	81
45) 1,2-Dichloropropane	9.747	63	1073	0.801	ug/l #	44
48) Methyl methacrylate	9.671	41	3133	2.105	ug/l #	50
49) 1,4-Dioxane	9.735	88	54	2.278	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	4727	2.511	ug/l	97
52) Toluene	10.629	92	3274	0.914	ug/l	89
53) t-1,3-Dichloropropene	10.729	75	705	0.317	ug/l #	66
54) cis-1,3-Dichloropropene	10.359	75	37306	15.871	ug/l #	58
56) Ethyl methacrylate	10.994	69	1216	0.593	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4997	2.142	ug/l #	43
59) 2-Hexanone	11.171	43	86384	61.731	ug/l #	28
68) m/p-Xylenes	12.065	106	1550	0.532	ug/l	99
69) o-Xylene	12.400	106	852	0.305	ug/l	85
74) N-amyl acetate	12.476	43	1262	0.459	ug/l #	51
76) 1,2,3-Trichloropropane	12.853	75	45759	29.029	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	45759	57.092	ug/l #	6
95) Naphthalene	15.641	128	33909	6.114	ug/l	99

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

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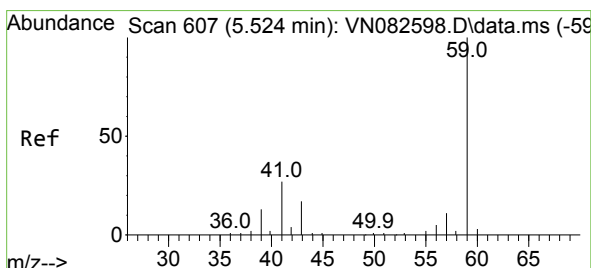
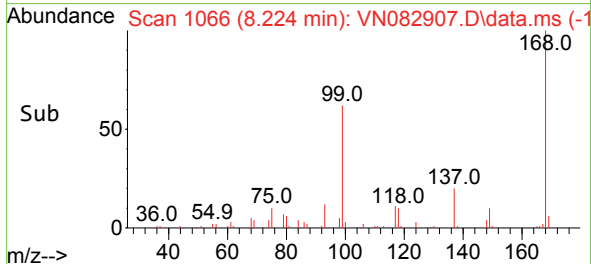
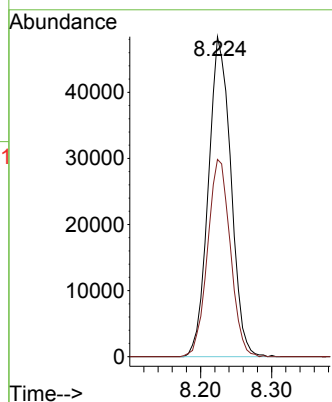
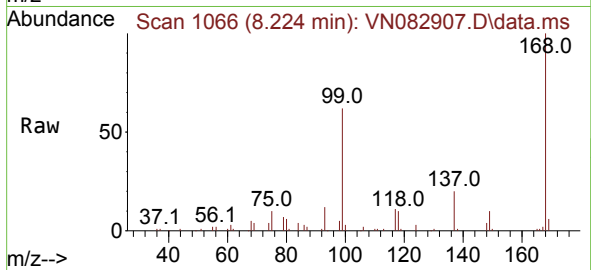




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

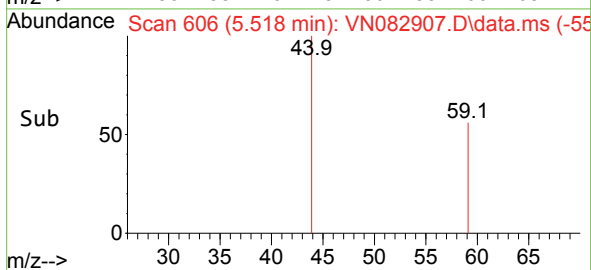
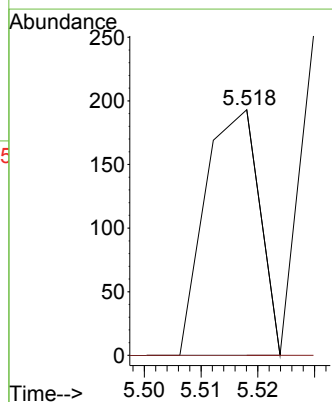
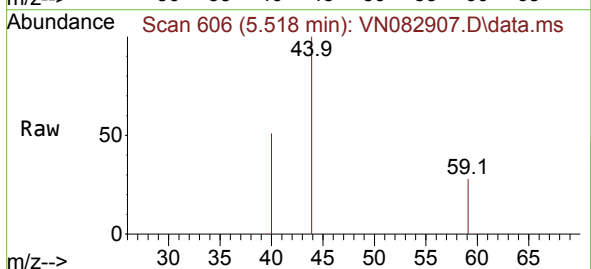
Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

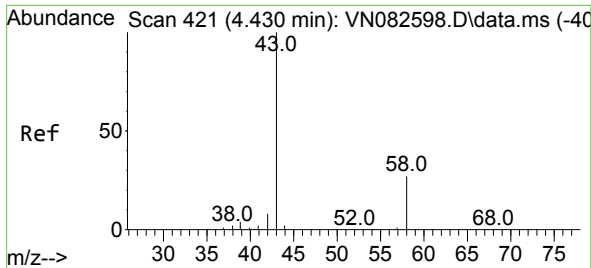
Tgt Ion:168 Resp: 106432
Ion Ratio Lower Upper
168 100
99 61.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.510 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

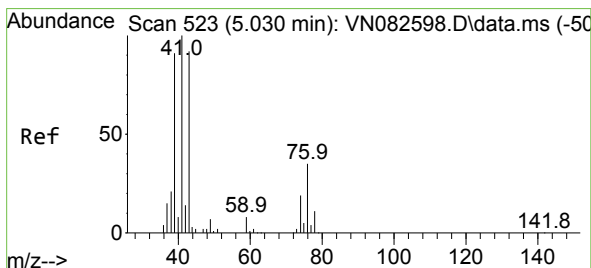
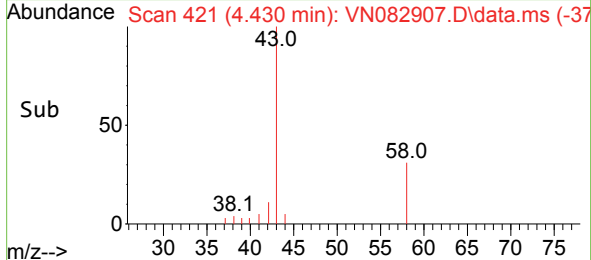
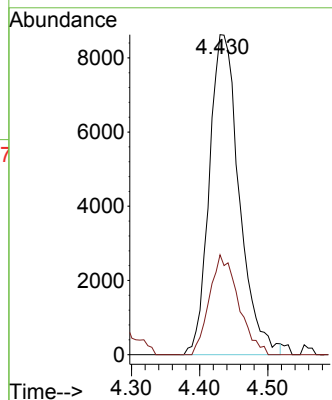
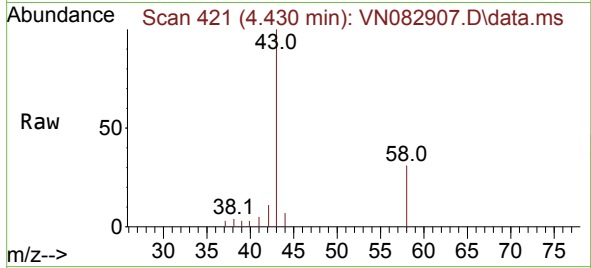




#16
Acetone
Concen: 50.259 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

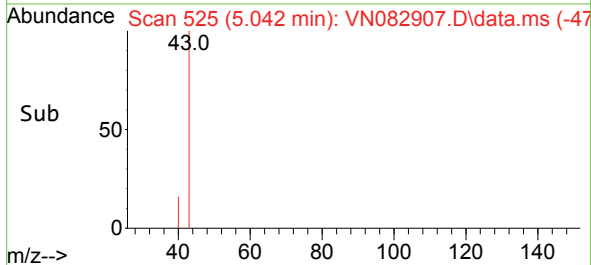
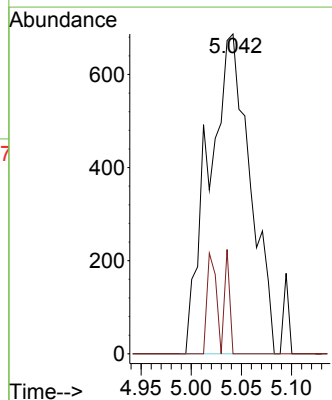
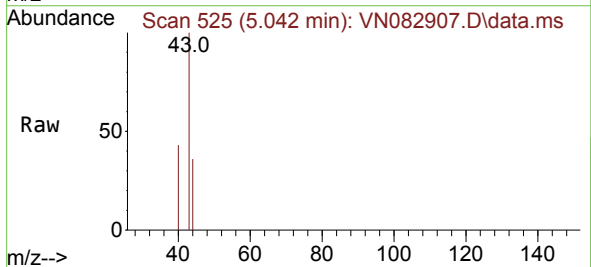
Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

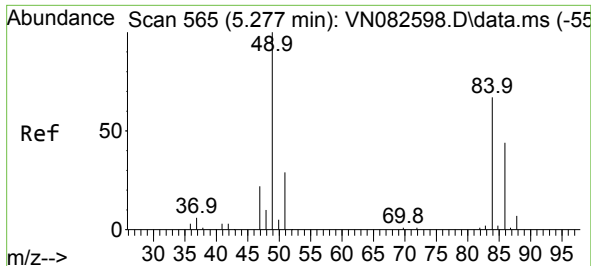
Tgt Ion: 43 Resp: 26400
Ion Ratio Lower Upper
43 100
58 31.2 21.8 32.6



#18
Methyl Acetate
Concen: 1.409 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion: 43 Resp: 1958
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#

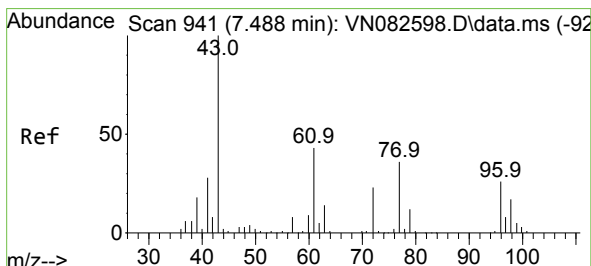
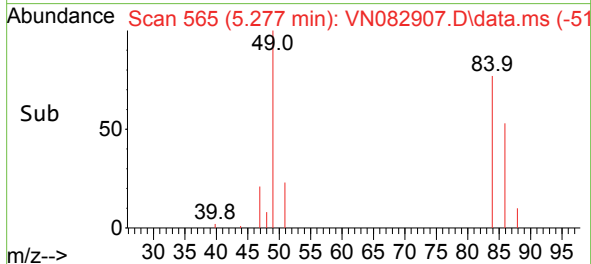
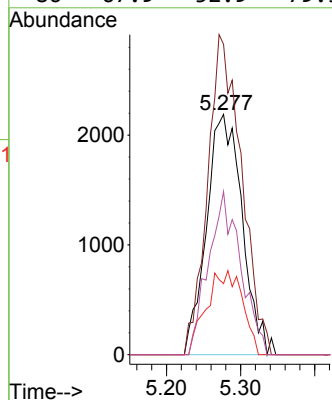
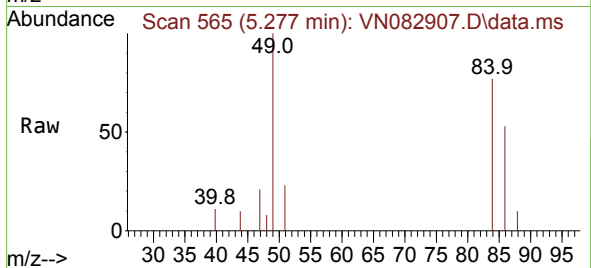




#20
Methylene Chloride
Concen: 5.762 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

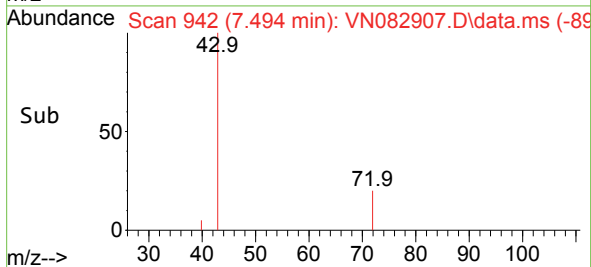
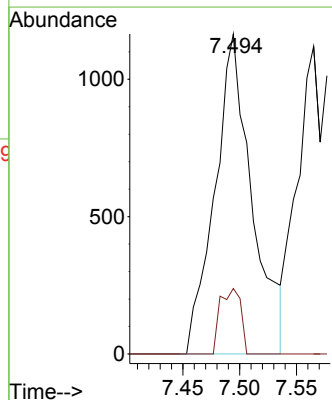
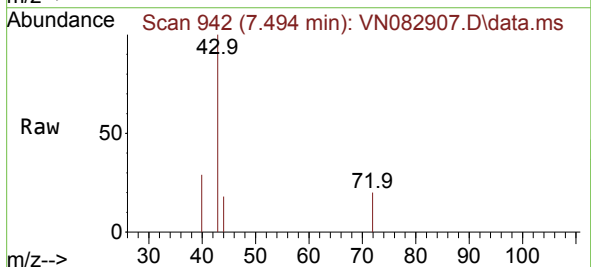
Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

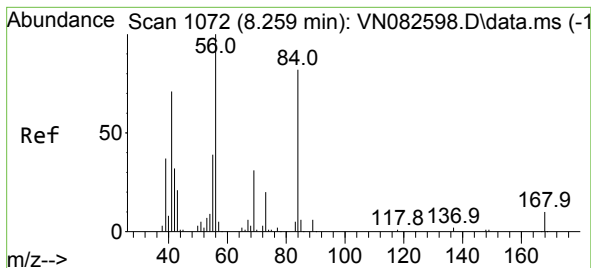
Tgt Ion:	84	Resp:	7309
Ion	Ratio	Lower	Upper
84	100		
49	129.2	119.6	179.4
51	29.6	34.8	52.2#
86	67.9	52.9	79.3



#25
2-Butanone
Concen: 3.344 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion:	43	Resp:	2652
Ion	Ratio	Lower	Upper
43	100		
72	20.4	18.2	27.2





#31

Cyclohexane

Concen: 1.320 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN082907.D

Acq: 12 Jul 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

400STEVEN-4

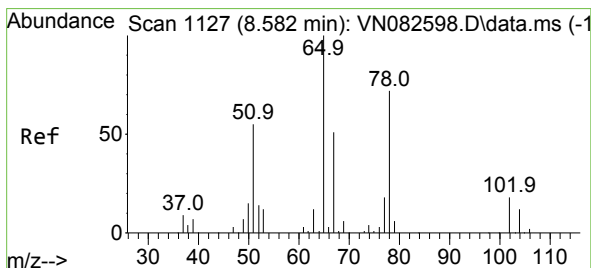
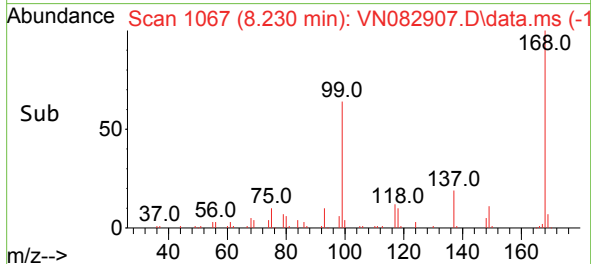
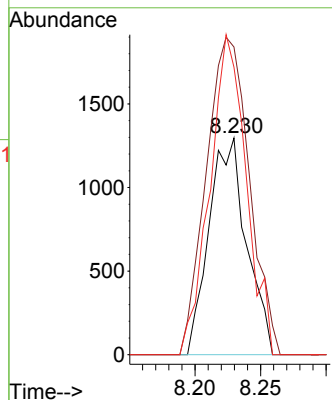
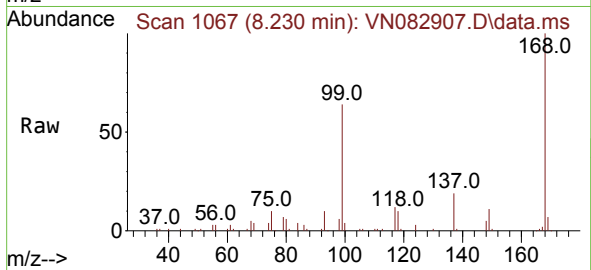
Tgt Ion: 56 Resp: 2575

Ion Ratio Lower Upper

56 100

69 142.0 24.5 36.7#

84 132.7 66.0 99.0#



#33

1,2-Dichloroethane-d4

Concen: 55.981 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN082907.D

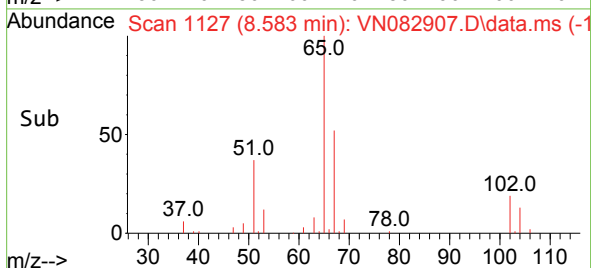
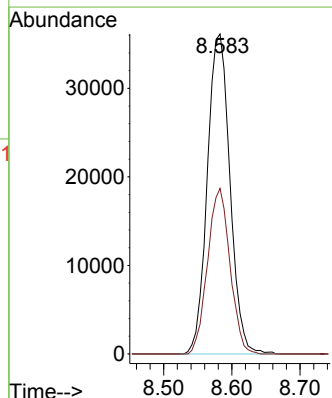
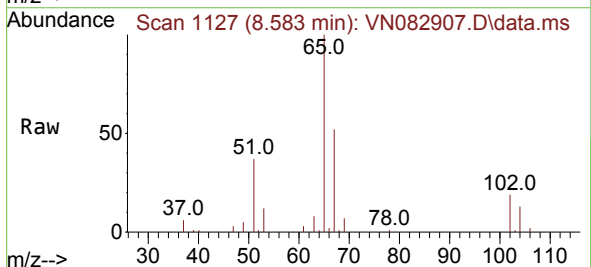
Acq: 12 Jul 2024 18:17

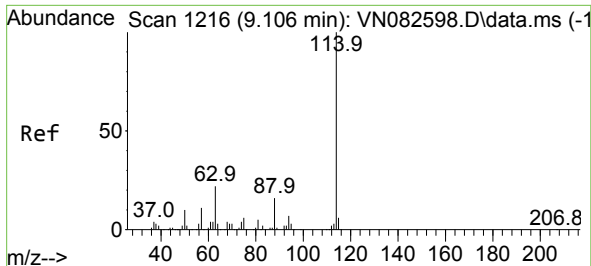
Tgt Ion: 65 Resp: 83522

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.4

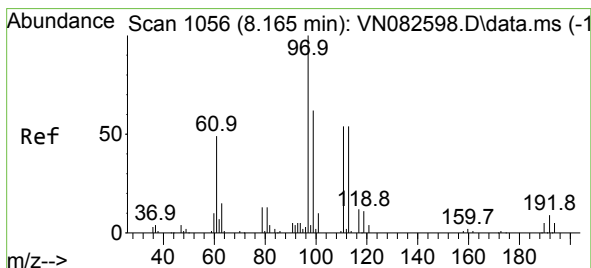
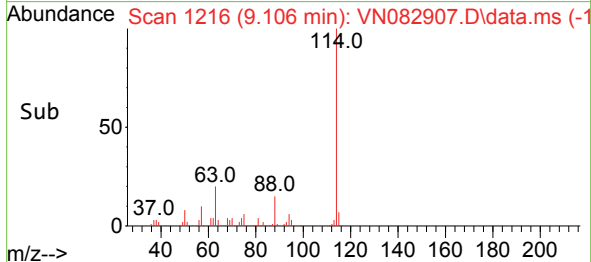
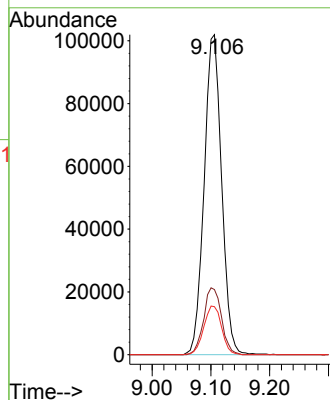
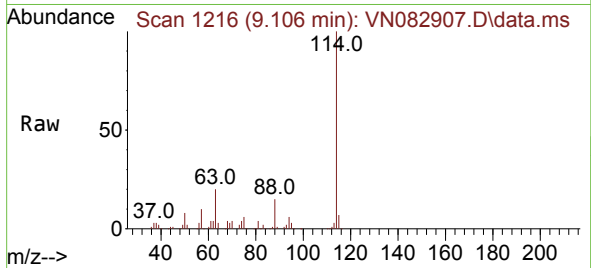




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

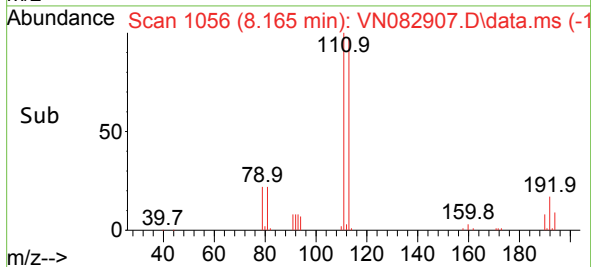
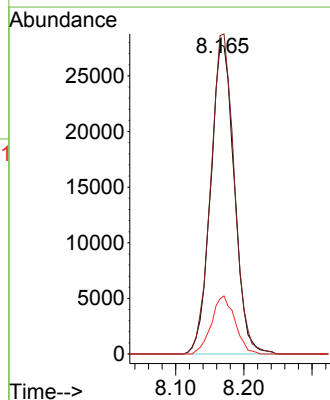
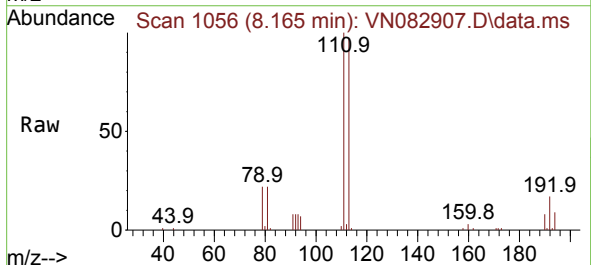
Instrument :
MSVOA_N
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400STEVEN-4

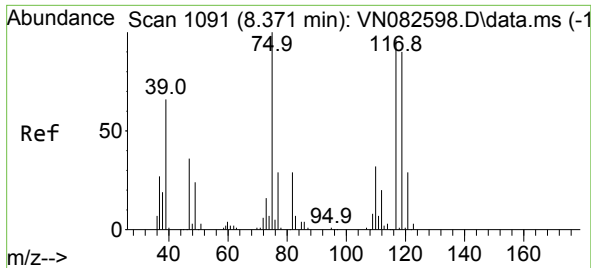
Tgt Ion:114 Resp: 210782
Ion Ratio Lower Upper
114 100
63 20.3 0.0 44.6
88 15.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.858 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion:113 Resp: 67434
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 18.6 14.9 22.3

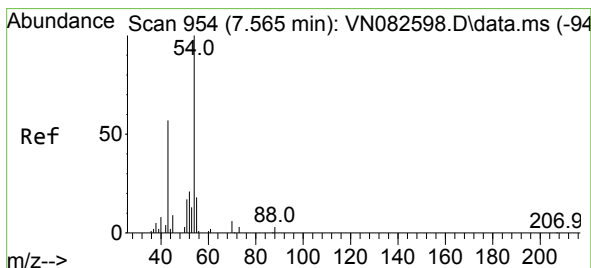
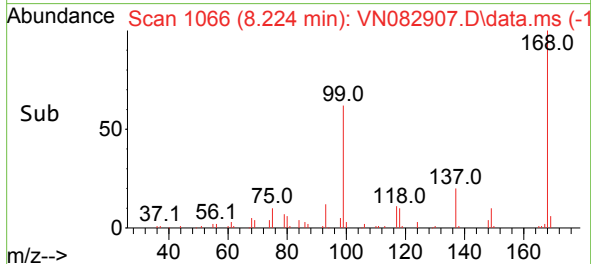
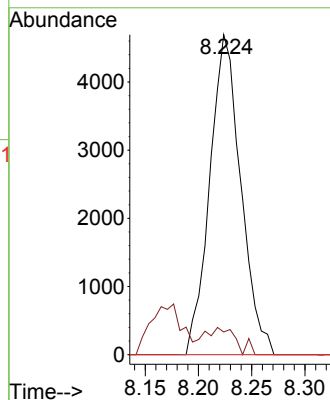
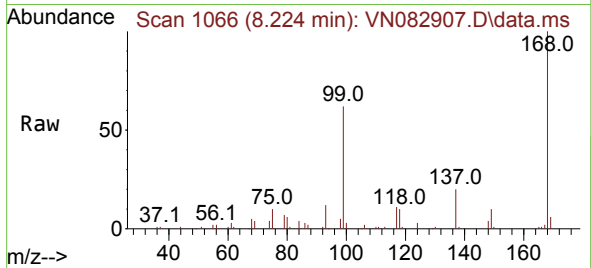




#36
1,1-Dichloropropene
Concen: 5.096 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

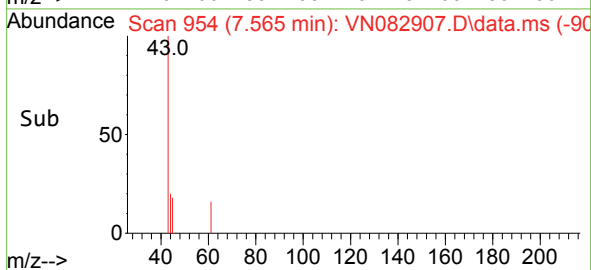
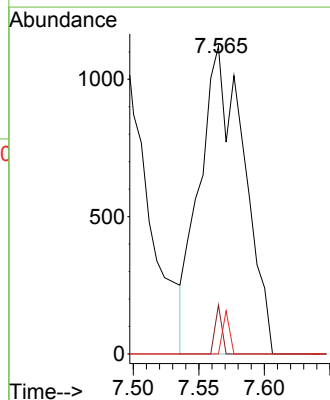
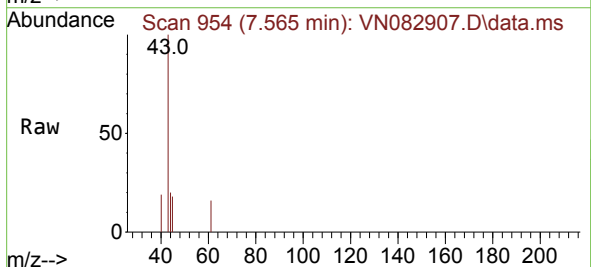
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MSVOA_N
ClientSampleId :
400STEVEN-4

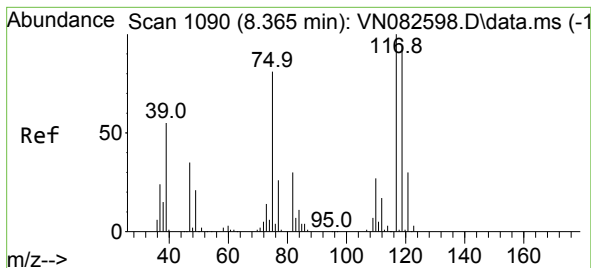
Tgt Ion: 75 Resp: 9503
Ion Ratio Lower Upper
75 100
110 8.1 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.388 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.000 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion: 43 Resp: 2636
Ion Ratio Lower Upper
43 100
61 2.4 9.3 13.9#
70 2.1 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.210 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082907.D

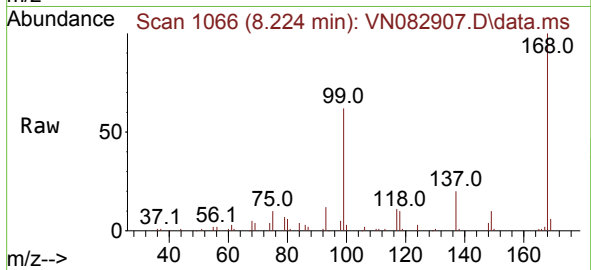
Acq: 12 Jul 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

400STEVEN-4



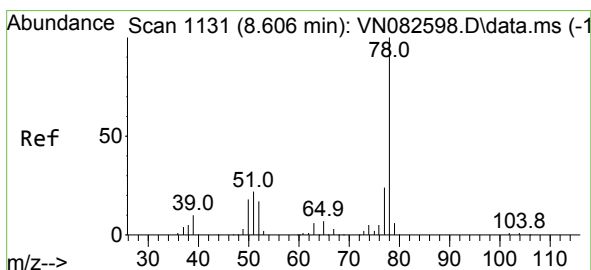
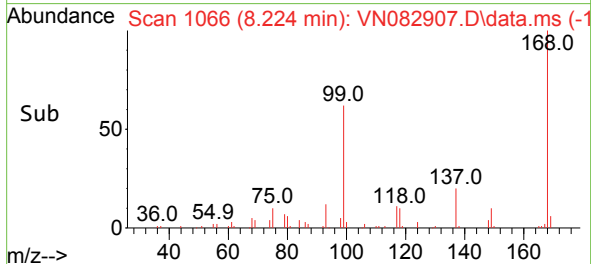
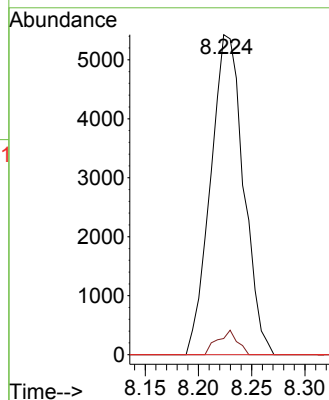
Tgt Ion:117 Resp: 11697

Ion Ratio Lower Upper

117 100

119 5.1 74.9 112.3#

121 0.0 24.3 36.5#



#40

Benzene

Concen: 0.660 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN082907.D

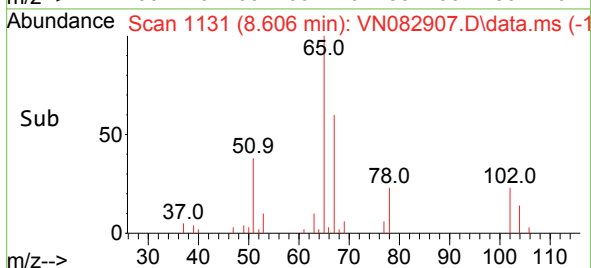
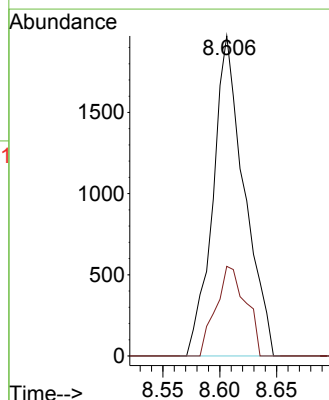
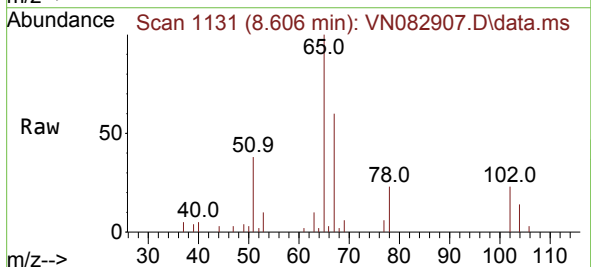
Acq: 12 Jul 2024 18:17

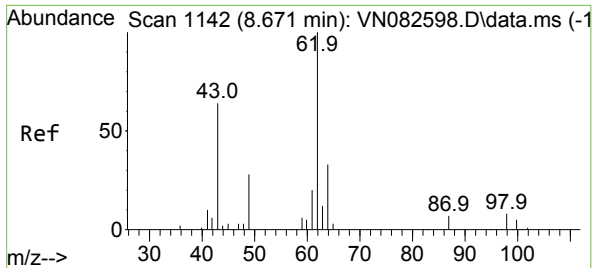
Tgt Ion: 78 Resp: 3785

Ion Ratio Lower Upper

78 100

77 28.0 19.0 28.4





#42

1,2-Dichloroethane

Concen: 0.300 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082907.D

Acq: 12 Jul 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

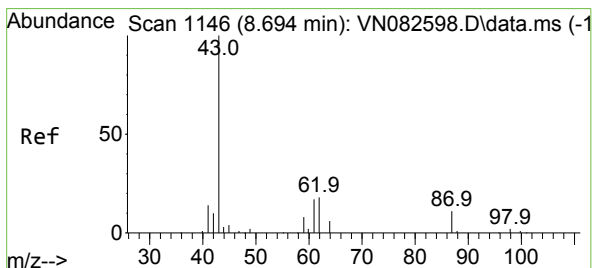
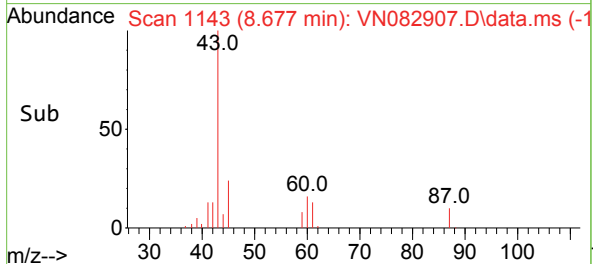
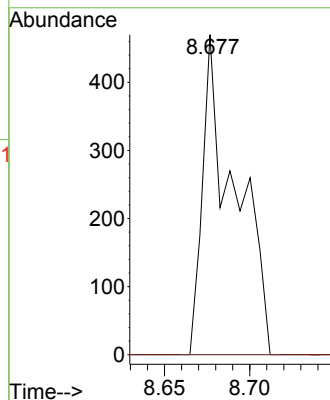
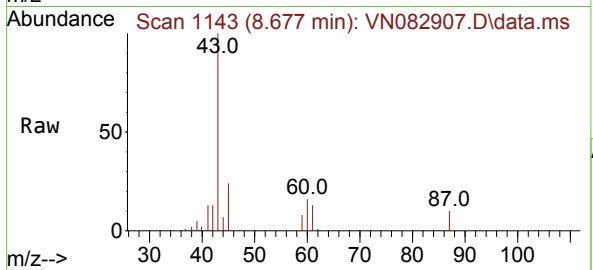
400STEVEN-4

Tgt Ion: 62 Resp: 619

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 57.865 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN082907.D

Acq: 12 Jul 2024 18:17

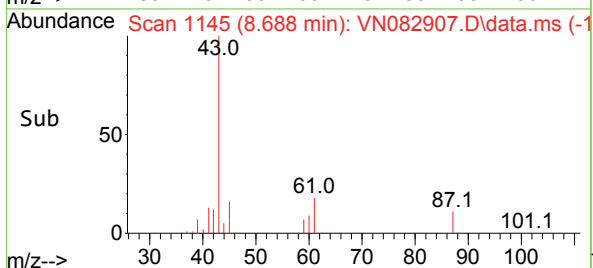
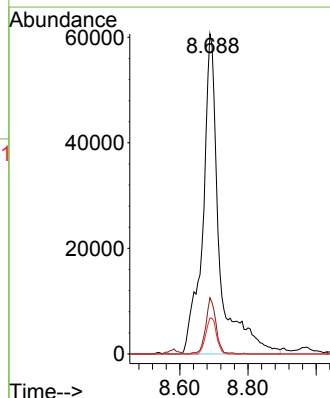
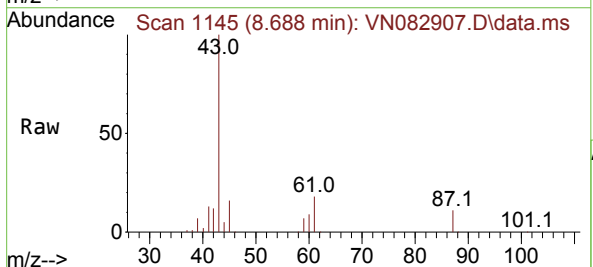
Tgt Ion: 43 Resp: 205476

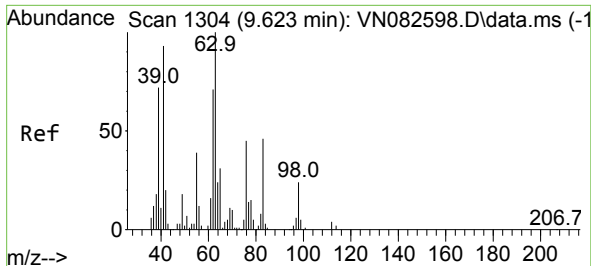
Ion Ratio Lower Upper

43 100

61 10.8 17.8 26.6#

87 7.2 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.801 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

Lab File: VN082907.D

Acq: 12 Jul 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

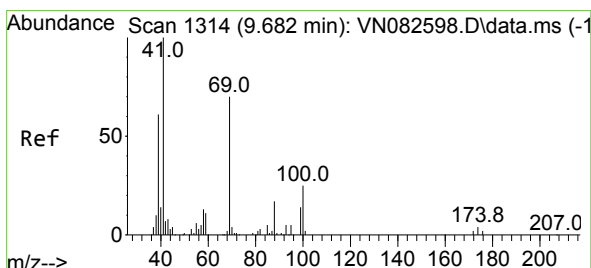
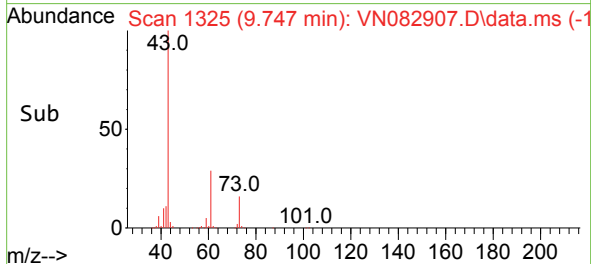
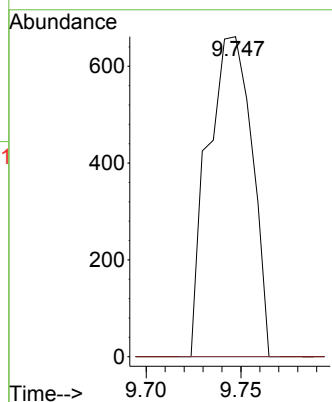
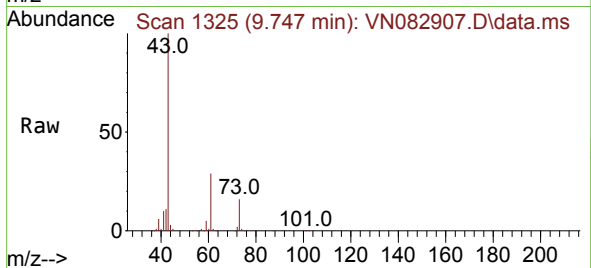
400STEVEN-4

Tgt Ion: 63 Resp: 1073

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 2.105 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.011 min

Lab File: VN082907.D

Acq: 12 Jul 2024 18:17

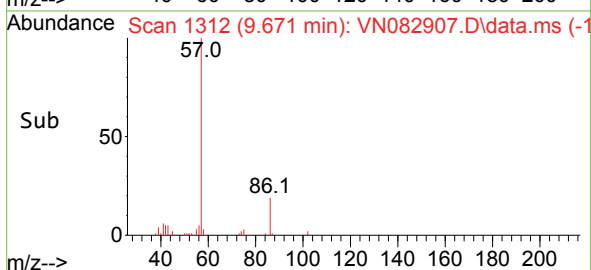
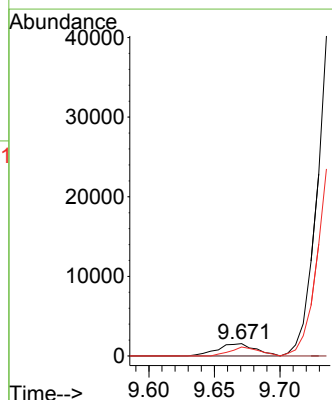
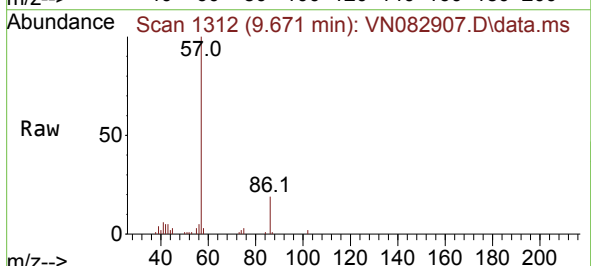
Tgt Ion: 41 Resp: 3133

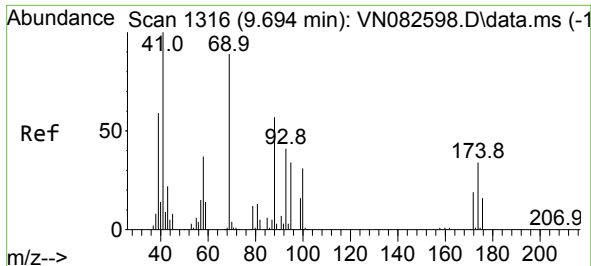
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

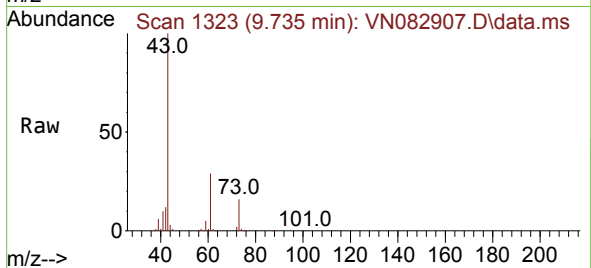
39 55.3 50.3 75.5



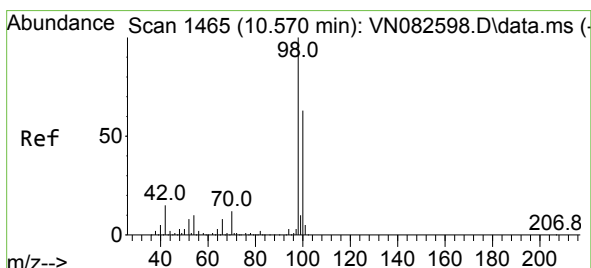
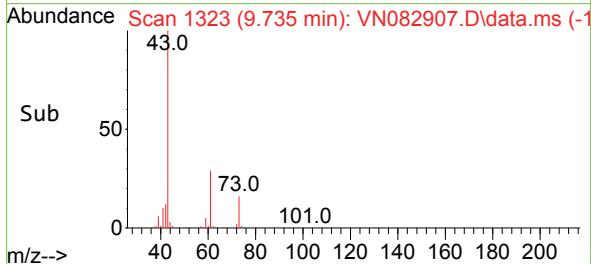
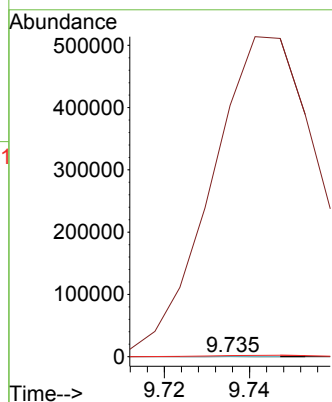


#49
1,4-Dioxane
Concen: 2.278 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

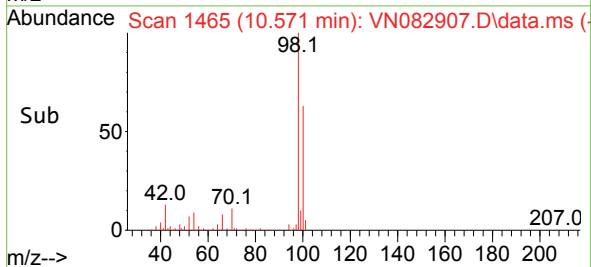
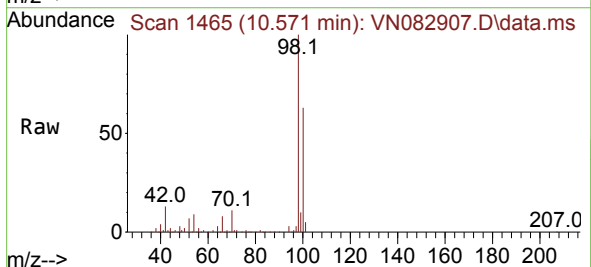
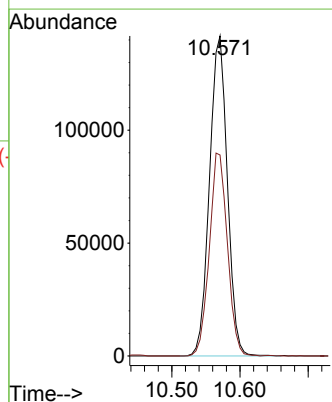


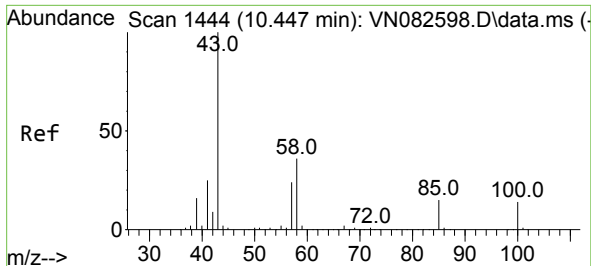
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 1735511.1 27.8 41.8#
58 7572.2 59.4 89.0#



#50
Toluene-d8
Concen: 51.751 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion: 98 Resp: 258524
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 2.511 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN082907.D

Acq: 12 Jul 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

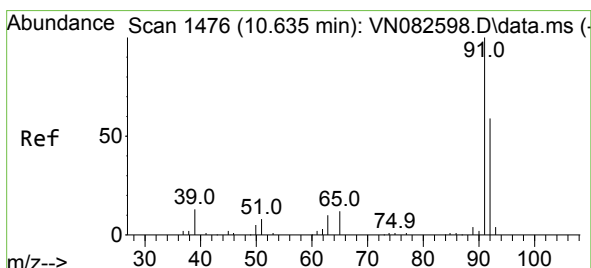
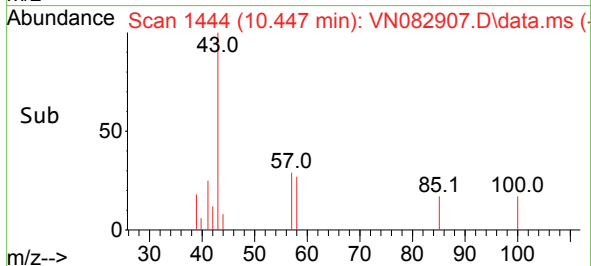
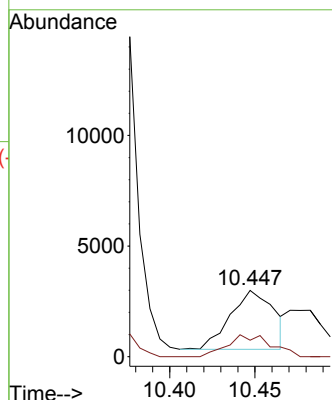
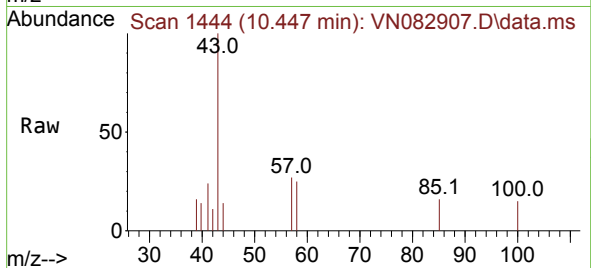
400STEVEN-4

Tgt Ion: 43 Resp: 4727

Ion Ratio Lower Upper

43 100

58 37.3 28.2 42.4



#52

Toluene

Concen: 0.914 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN082907.D

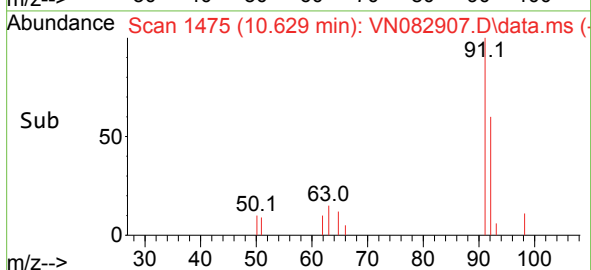
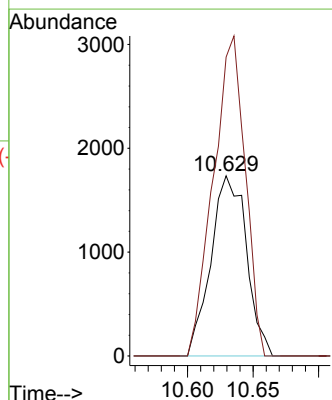
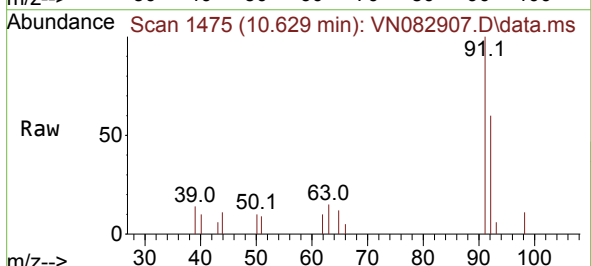
Acq: 12 Jul 2024 18:17

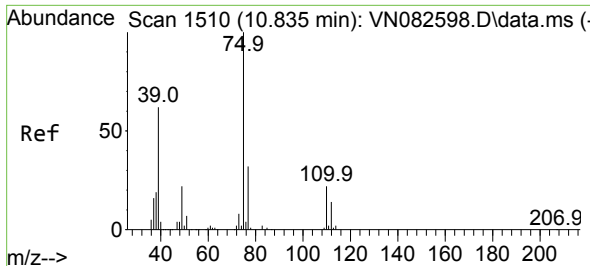
Tgt Ion: 92 Resp: 3274

Ion Ratio Lower Upper

92 100

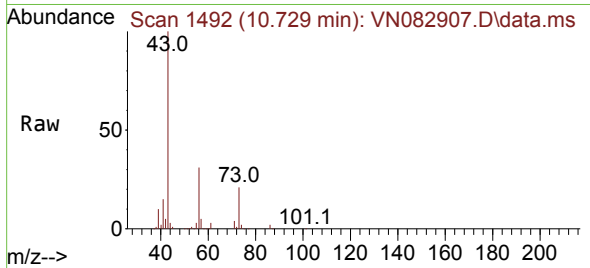
91 159.6 139.4 209.0



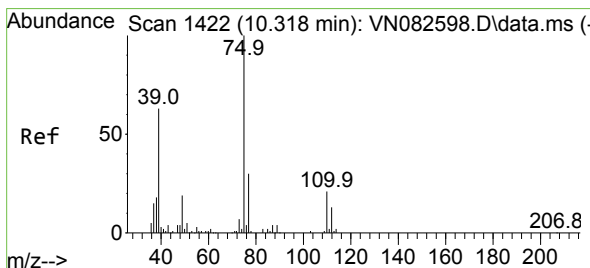
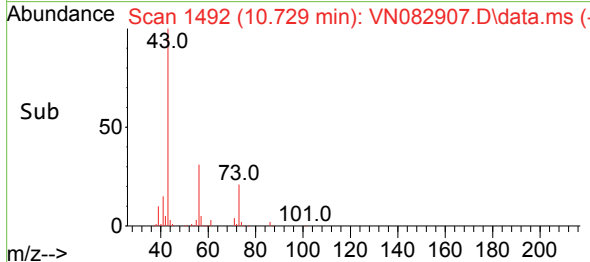
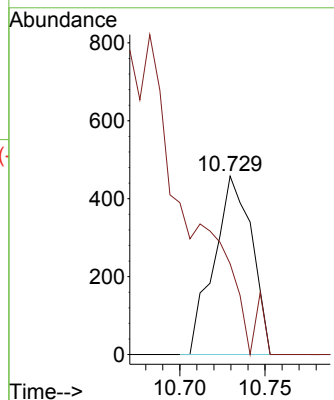


#53
t-1,3-Dichloropropene
Concen: 0.317 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

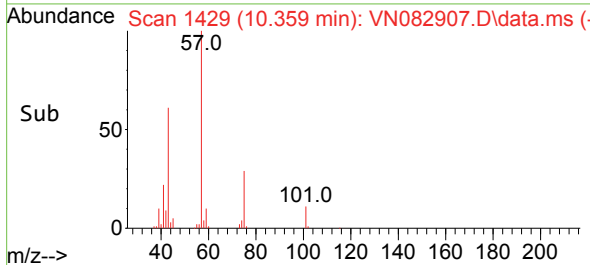
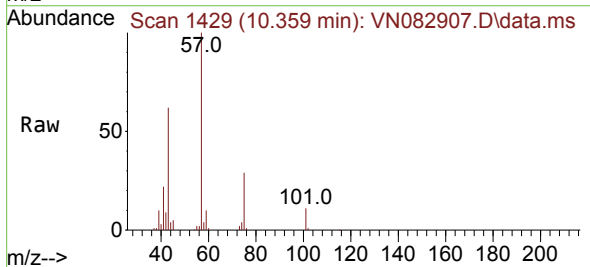
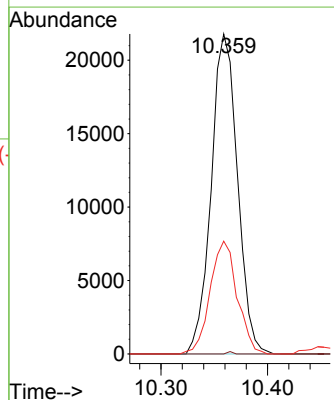


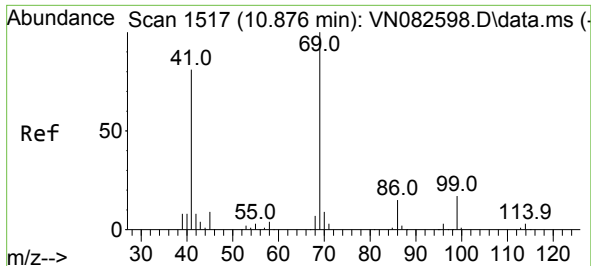
Tgt Ion: 75 Resp: 705
Ion Ratio Lower Upper
75 100
77 50.9 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 15.871 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion: 75 Resp: 37306
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 35.3 50.5 75.7#

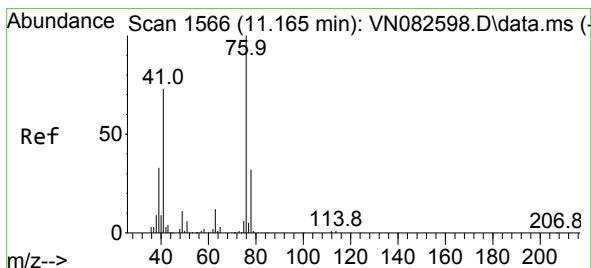
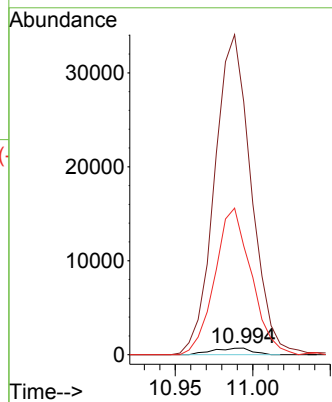
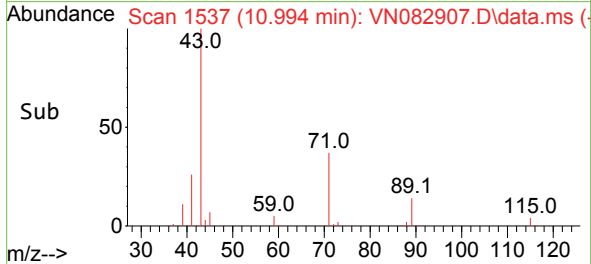
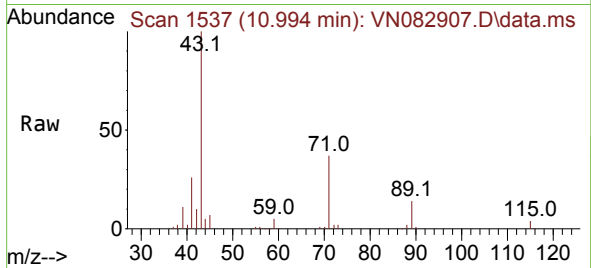




#56
Ethyl methacrylate
Concen: 0.593 ug/l
RT: 10.994 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

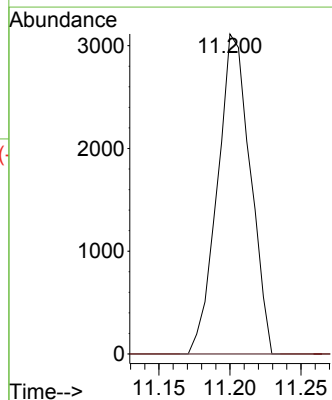
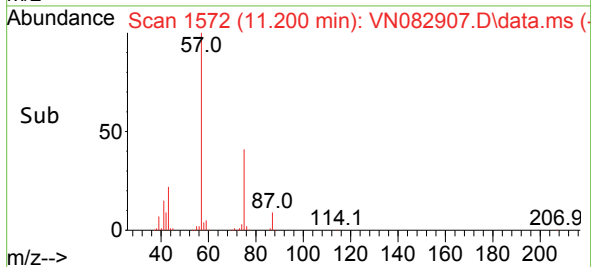
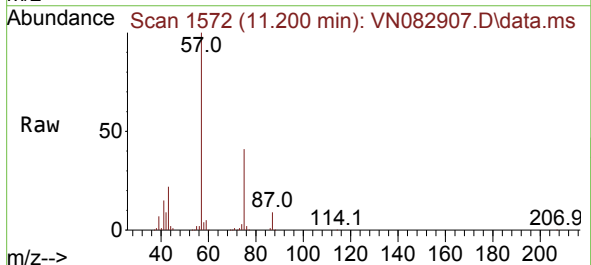
Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

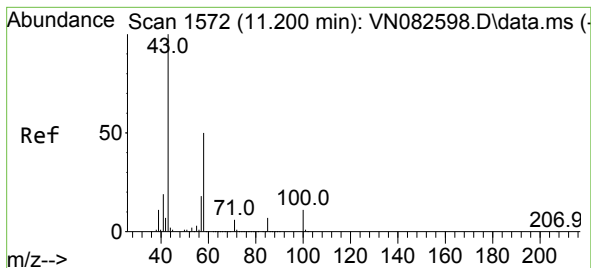
Tgt Ion: 69 Resp: 1216
Ion Ratio Lower Upper
69 100
41 4614.3 63.4 95.2#
39 2104.7 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.142 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion: 76 Resp: 4997
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

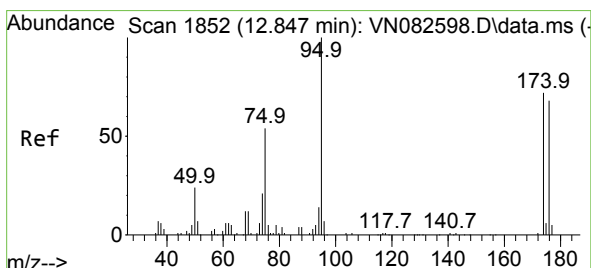
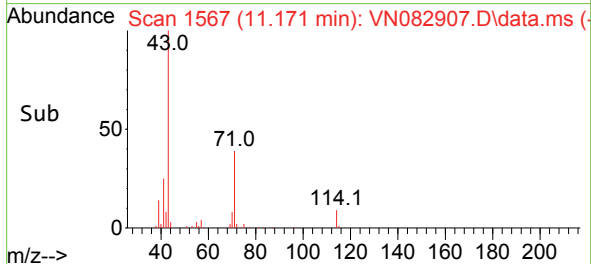
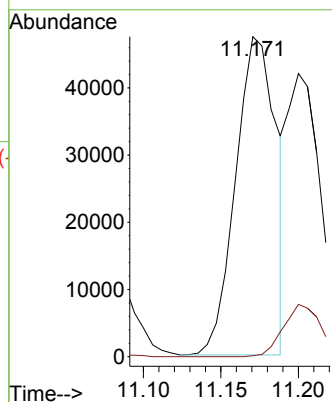
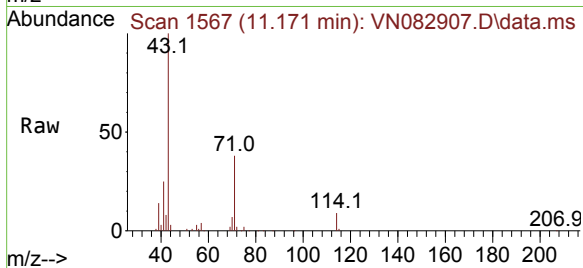




#59
2-Hexanone
Concen: 61.731 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

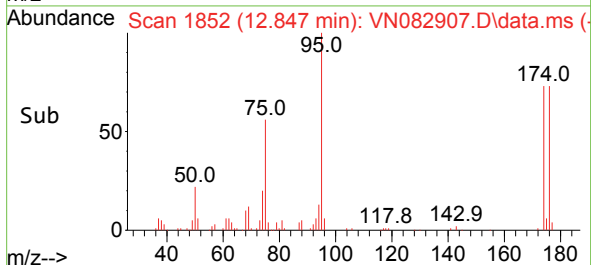
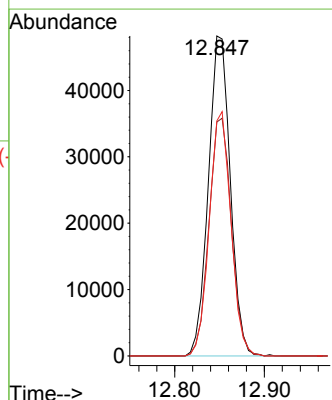
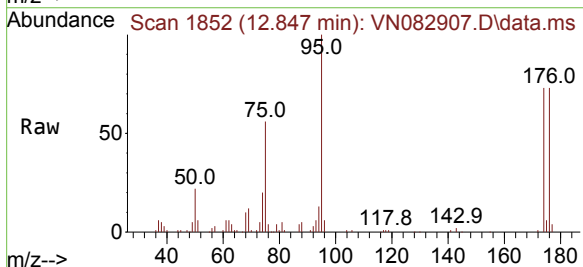
Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

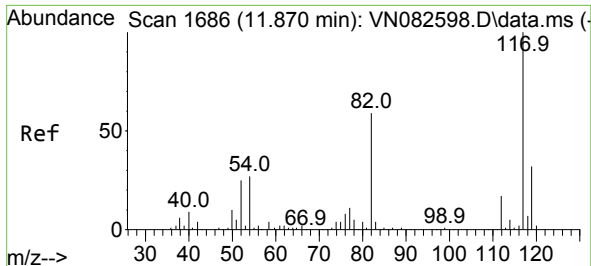
Tgt Ion: 43 Resp: 86384
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 45.632 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion: 95 Resp: 81885
Ion Ratio Lower Upper
95 100
174 76.0 0.0 159.2
176 75.1 0.0 147.6

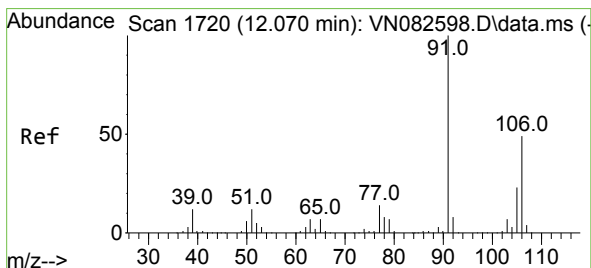
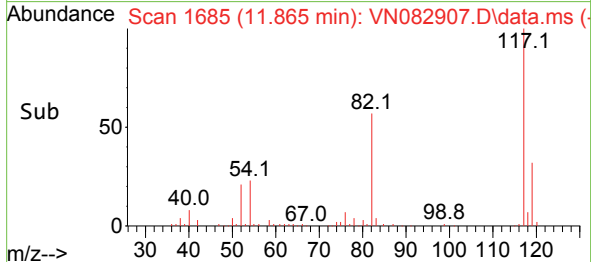
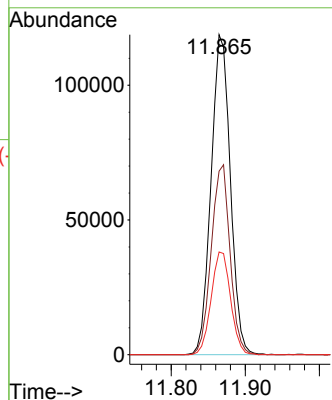
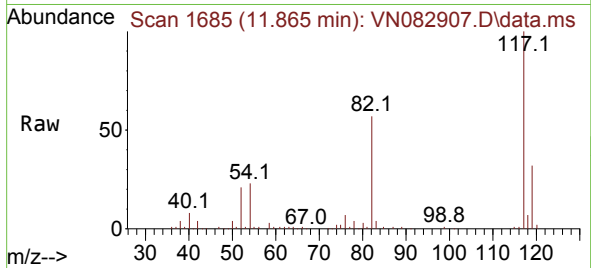




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1171
Delta R.T. -0.005 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

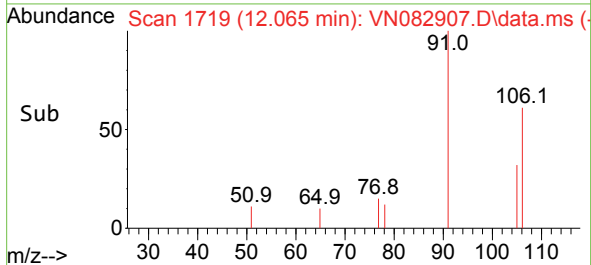
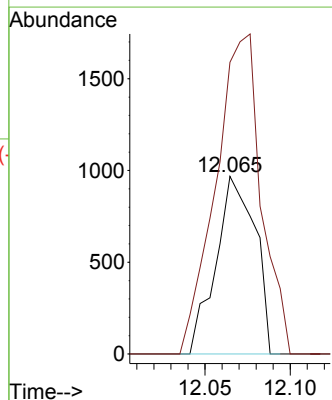
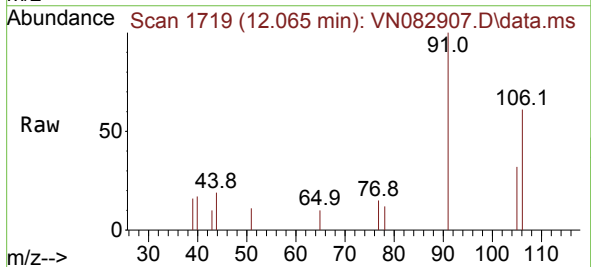
Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

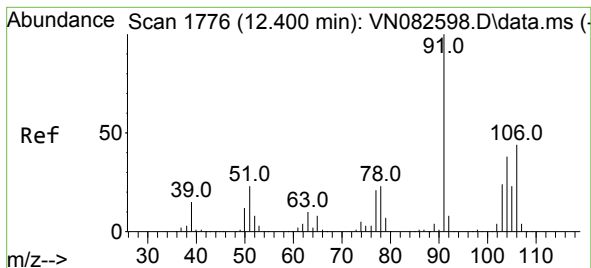
Tgt Ion:117 Resp: 214391
Ion Ratio Lower Upper
117 100
82 57.3 47.5 71.3
119 32.1 25.6 38.4



#68
m/p-Xylenes
Concen: 0.532 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.005 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion:106 Resp: 1550
Ion Ratio Lower Upper
106 100
91 209.5 166.1 249.1





#69

o-Xylene

Concen: 0.305 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN082907.D

Acq: 12 Jul 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

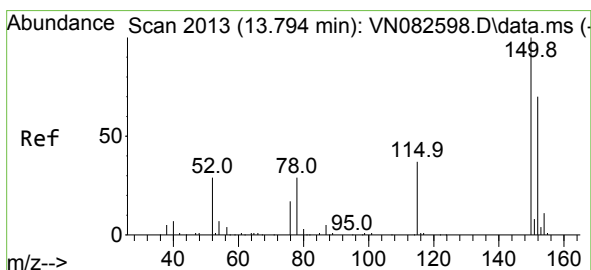
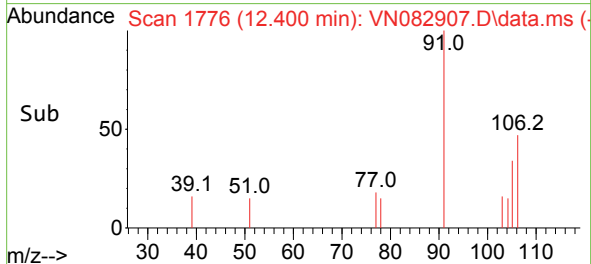
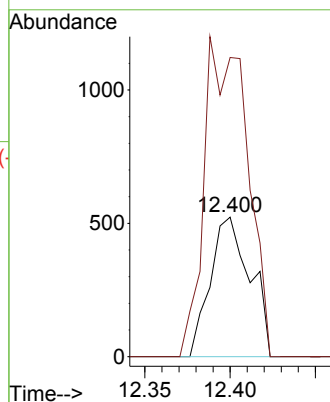
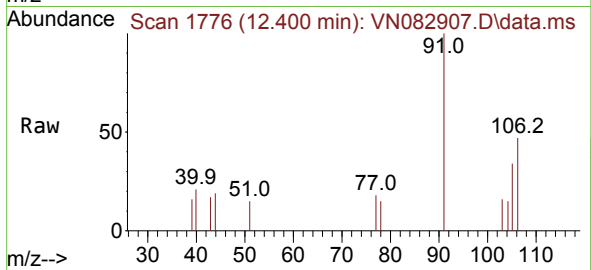
400STEVEN-4

Tgt Ion:106 Resp: 852

Ion Ratio Lower Upper

106 100

91 246.9 111.3 333.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082907.D

Acq: 12 Jul 2024 18:17

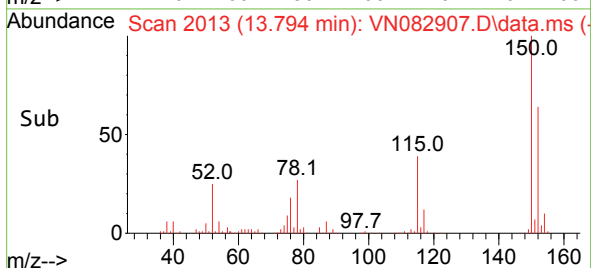
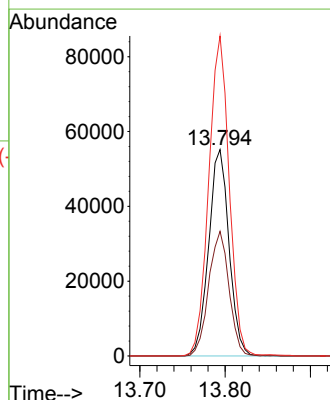
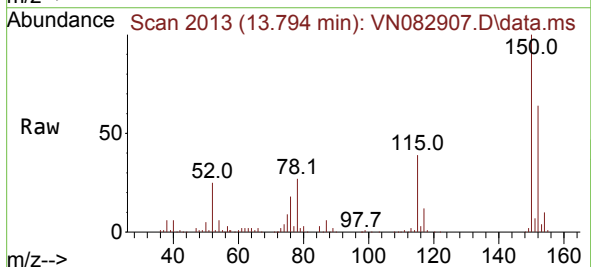
Tgt Ion:152 Resp: 91431

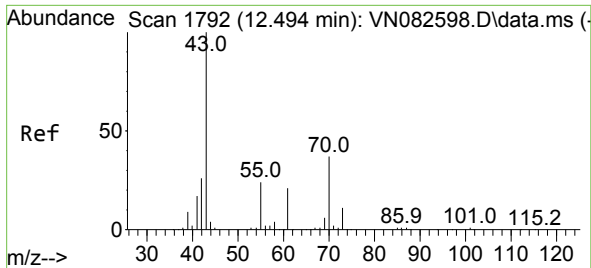
Ion Ratio Lower Upper

152 100

115 60.4 30.6 91.6

150 156.1 0.0 348.6

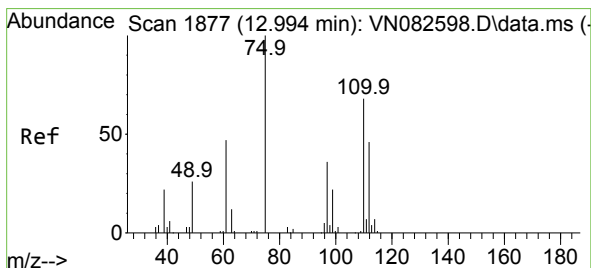
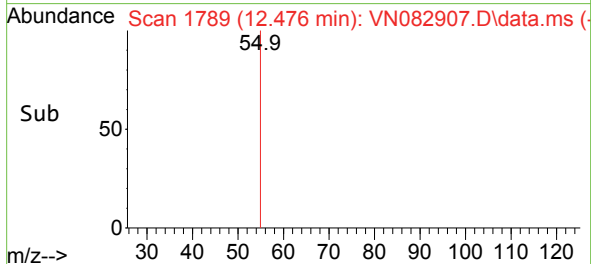
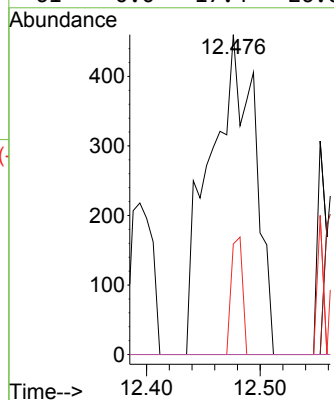
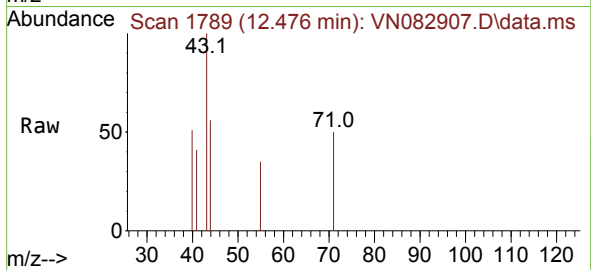




#74
N-amy1 acetate
Concen: 0.459 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

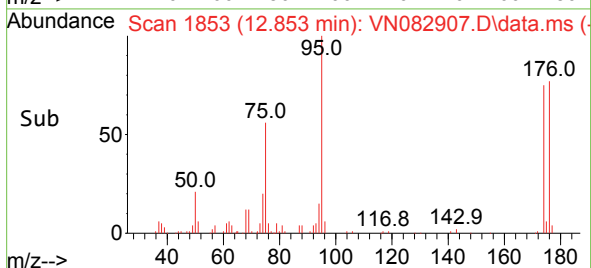
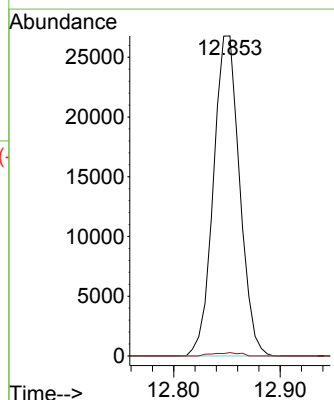
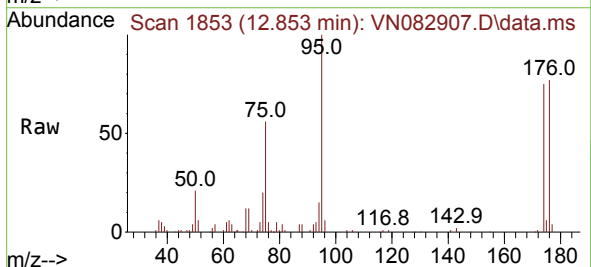
Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

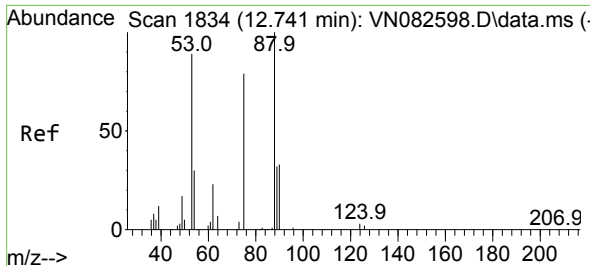
Tgt Ion: 43	Resp:	1262
Ion	Ratio	Lower Upper
43	100	
70	0.0	29.8 44.6#
55	9.2	18.7 28.1#
61	0.0	17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 29.029 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion: 75	Resp:	45759
Ion	Ratio	Lower Upper
75	100	
77	1.1	110.9 332.6#

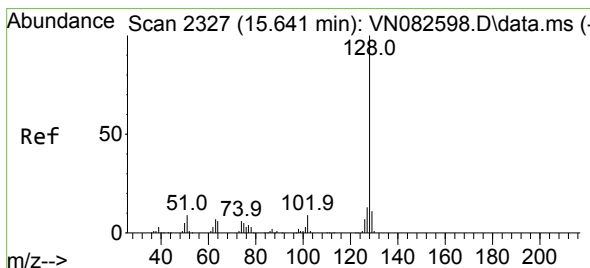
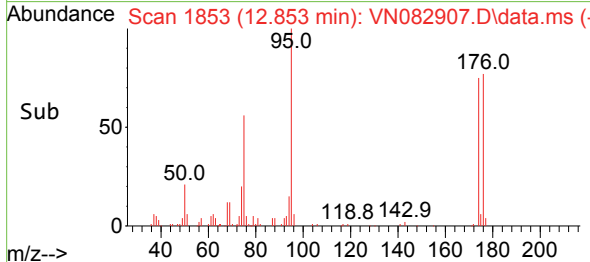
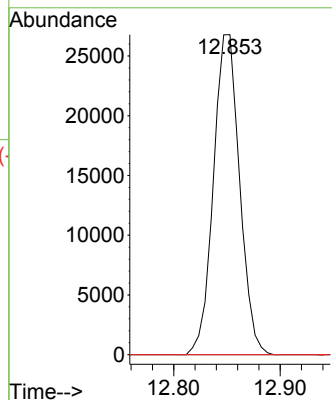
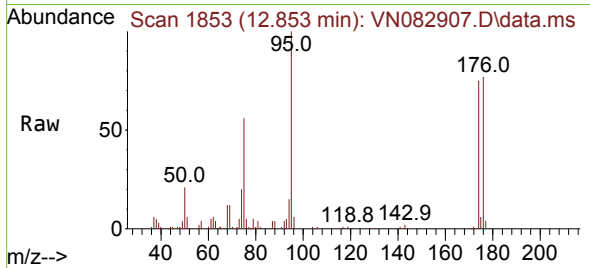




#81
trans-1,4-Dichloro-2-butene
Concen: 57.092 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :
400STEVEN-4

Tgt Ion: 75 Resp: 45759
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#



#95
Naphthalene
Concen: 6.114 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082907.D
Acq: 12 Jul 2024 18:17

Tgt Ion: 128 Resp: 33909
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.2 8.6 12.8

