

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052924\
 Data File : VN082382.D
 Acq On : 29 May 2024 19:54
 Operator : JC\MD
 Sample : P2637-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 05:48:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

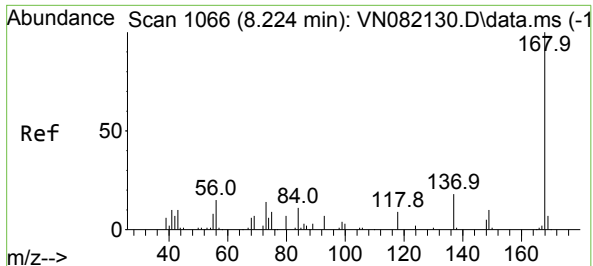
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	181509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	328245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	150349	52.458	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.920%	
35) Dibromofluoromethane	8.171	113	106083	52.537	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.080%	
50) Toluene-d8	10.571	98	422100	54.524	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.040%	
62) 4-Bromofluorobenzene	12.847	95	147070	53.226	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 106.460%	
Target Compounds						
					Qvalue	
13) Acrolein	4.171	56	90	0.264	ug/l	98
16) Acetone	4.430	43	85195	72.462	ug/l	99
18) Methyl Acetate	5.036	43	3067	1.047	ug/l #	88
20) Methylene Chloride	5.277	84	12049	5.079	ug/l #	84
25) 2-Butanone	7.494	43	13528	7.589	ug/l	98
29) Tetrahydrofuran	7.853	42	385	0.336	ug/l #	29
31) Cyclohexane	8.224	56	5607	1.225	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	16614	4.906	ug/l #	50
37) Ethyl Acetate	7.565	43	5120	1.351	ug/l #	87
38) Carbon Tetrachloride	8.224	117	20192	5.882	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	1091	0.281	ug/l #	73
43) Isopropyl Acetate	8.688	43	292389	43.539	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1839	0.706	ug/l #	45
48) Methyl methacrylate	9.665	41	5321	1.663	ug/l #	39
49) 1,4-Dioxane	9.741	88	62	1.383	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	18715	4.905	ug/l #	72
53) t-1,3-Dichloropropene	10.724	75	1087	0.291	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	58834	14.882	ug/l #	73
56) Ethyl methacrylate	10.976	69	1586	0.424	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6580	1.598	ug/l #	42
59) 2-Hexanone	11.206	43	94230	33.729	ug/l #	52
71) Bromoform	12.841	173	437	0.932	ug/l #	28
74) N-amyl acetate	12.488	43	1850	0.305	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	88574	30.328	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88574	70.935	ug/l #	12

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

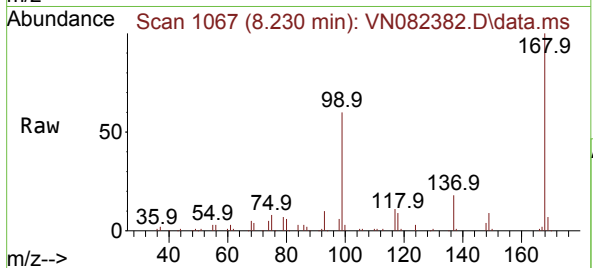
Quant Time: May 30 05:48:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



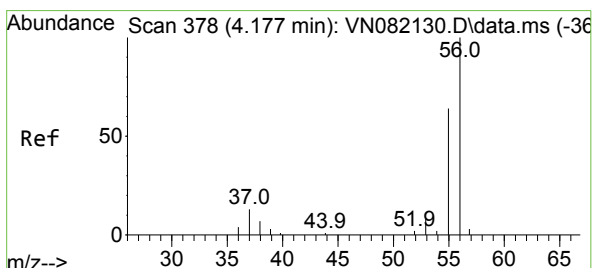
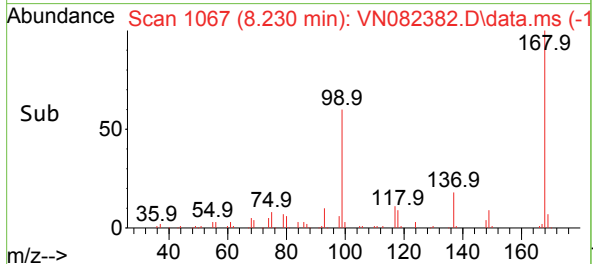
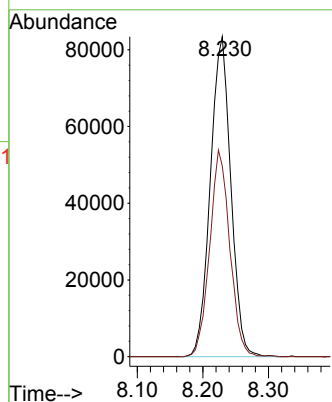


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :

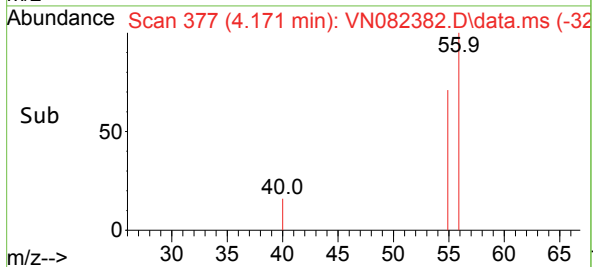
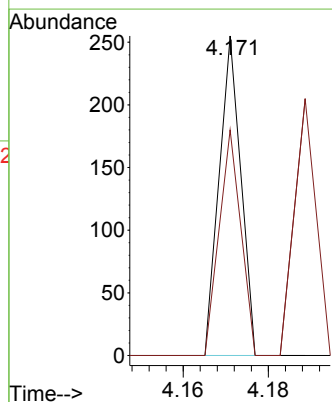
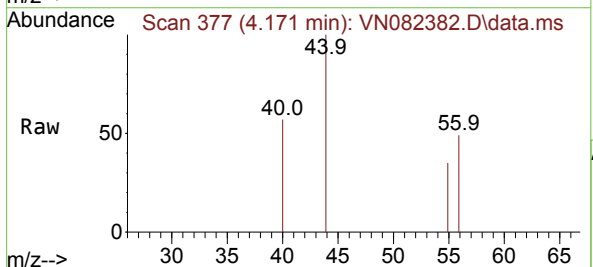


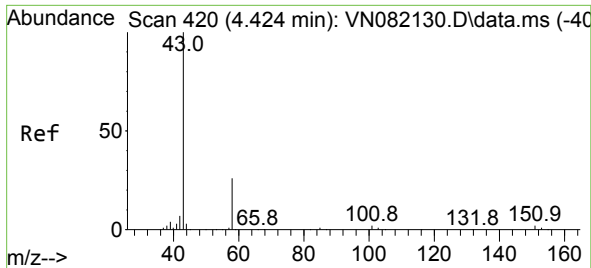
Tgt Ion:168 Resp: 181509
Ion Ratio Lower Upper
168 100
99 59.6 48.2 72.4



#13
Acrolein
Concen: 0.264 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 71.1 55.8 83.8

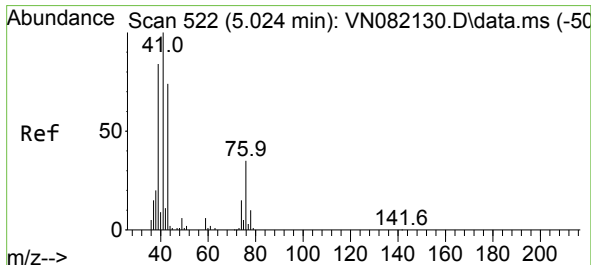
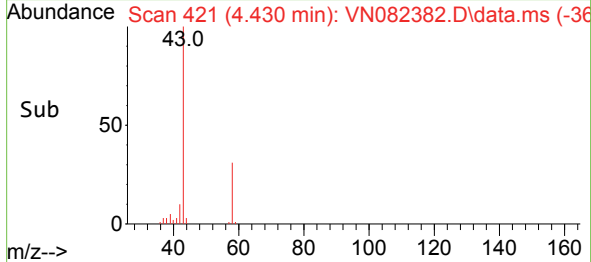
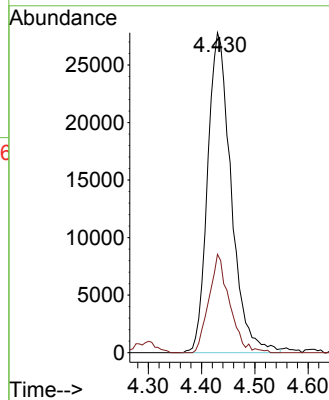
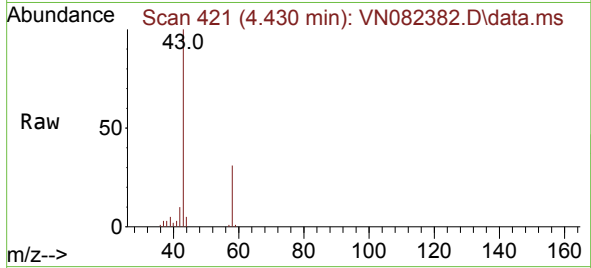




#16
Acetone
Concen: 72.462 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

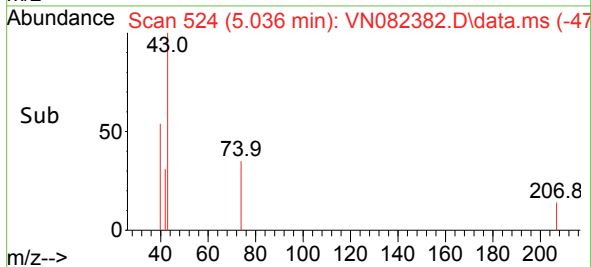
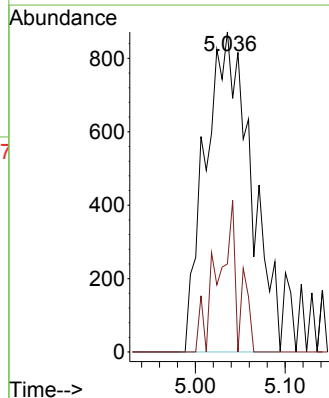
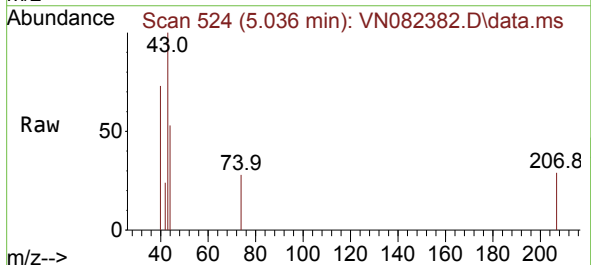
Instrument :
MSVOA_N
ClientSampleId :

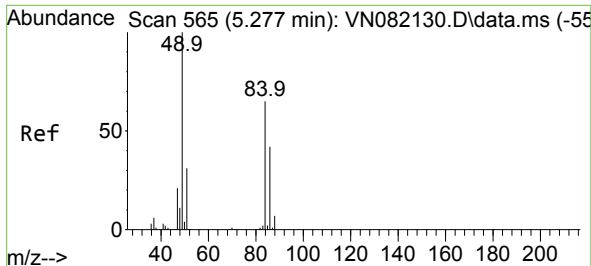
Tgt Ion: 43 Resp: 85195
Ion Ratio Lower Upper
43 100
58 30.8 25.2 37.8



#18
Methyl Acetate
Concen: 1.047 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

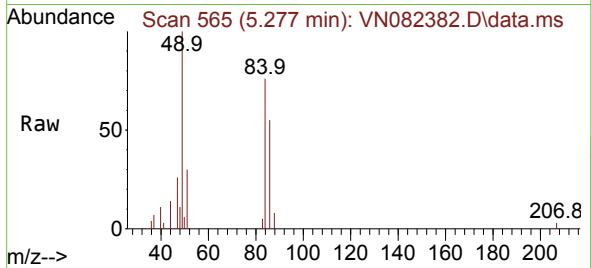
Tgt Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
74 21.5 22.2 33.2#



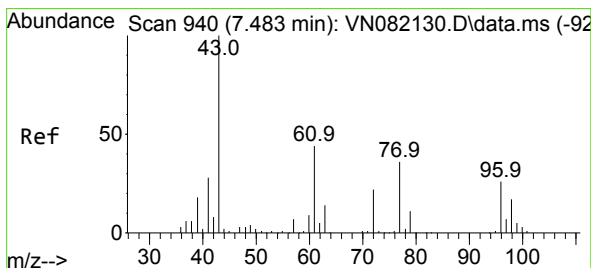
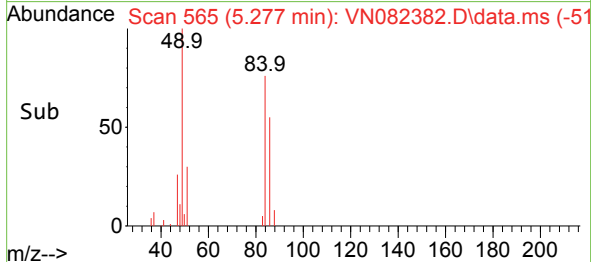
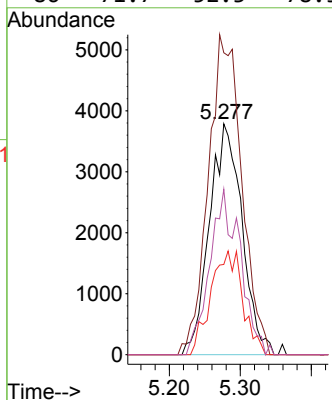


#20
Methylene Chloride
Concen: 5.079 ug/l
RT: 5.277 min Scan# 501
Delta R.T. -0.000 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :

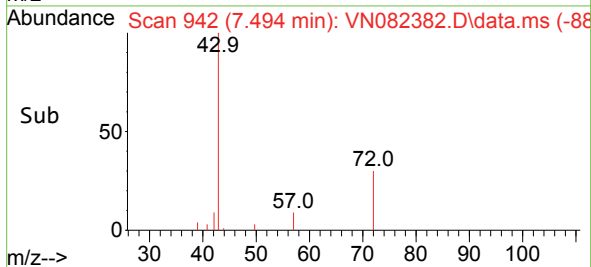
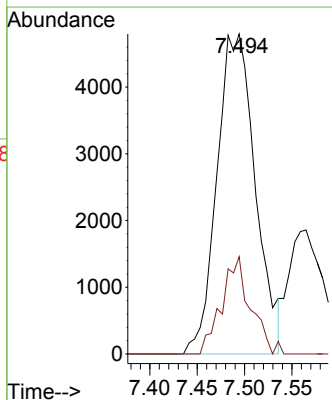
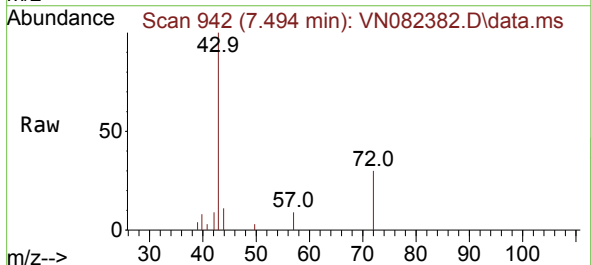


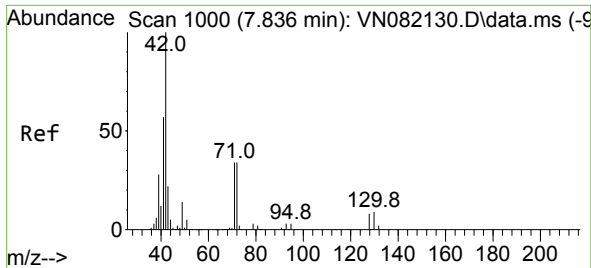
Tgt Ion: 84 Resp: 12049
Ion Ratio Lower Upper
84 100
49 130.7 84.9 127.3#
51 39.1 27.0 40.6
86 71.7 52.3 78.5



#25
2-Butanone
Concen: 7.589 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

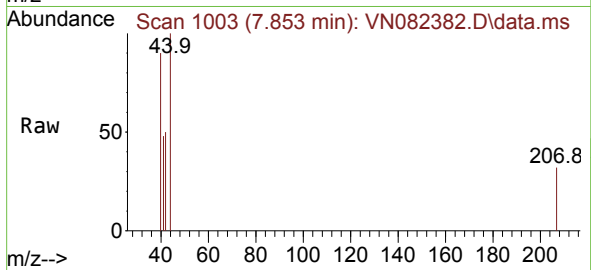
Tgt Ion: 43 Resp: 13528
Ion Ratio Lower Upper
43 100
72 30.4 25.3 37.9



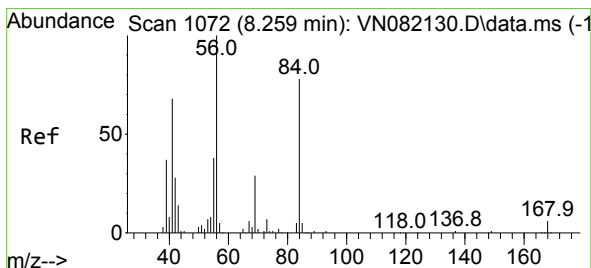
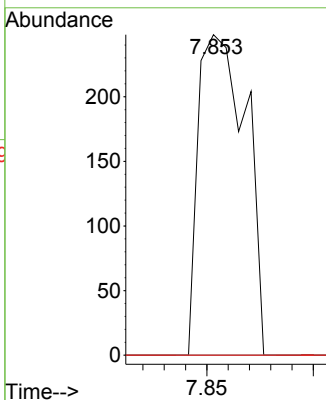
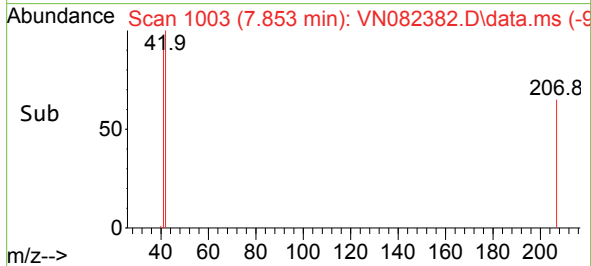


#29
Tetrahydrofuran
Concen: 0.336 ug/l
RT: 7.853 min Scan# 1066
Delta R.T. 0.017 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

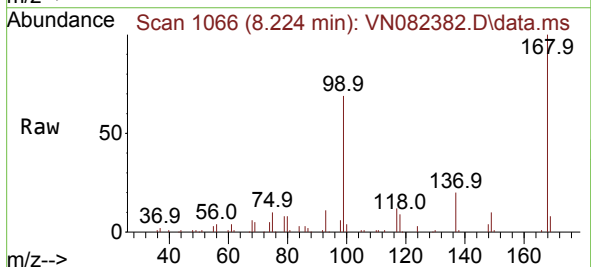
Instrument :
MSVOA_N
ClientSampleId :



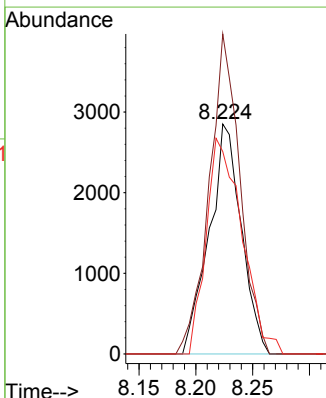
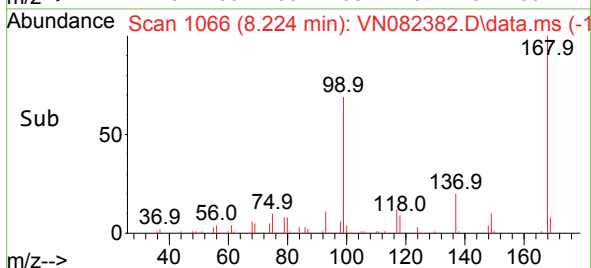
Tgt Ion: 42 Resp: 385
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#

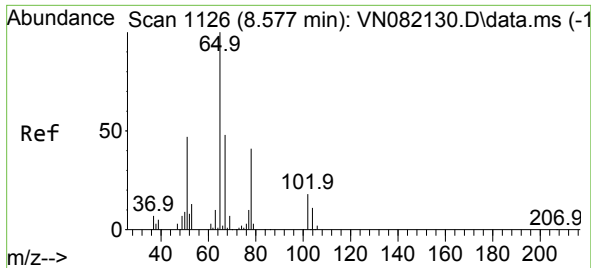


#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54



Tgt Ion: 56 Resp: 5607
Ion Ratio Lower Upper
56 100
69 139.2 24.4 36.6#
84 88.1 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 52.458 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082382.D

Acq: 29 May 2024 19:54

Instrument :

MSVOA_N

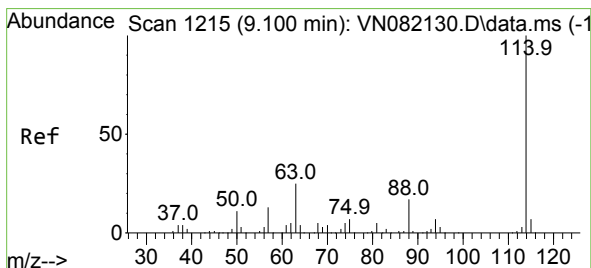
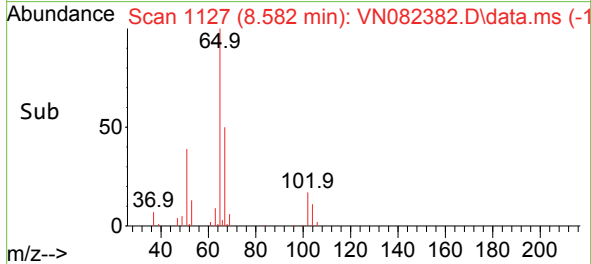
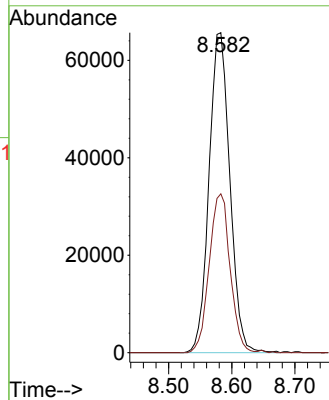
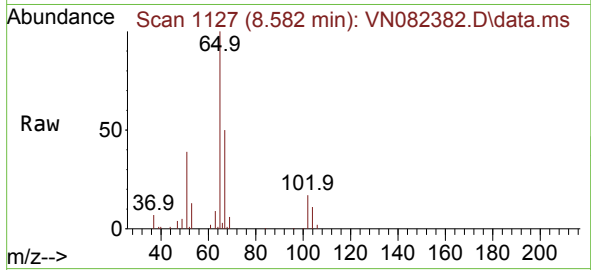
ClientSampleId :

Tgt Ion: 65 Resp: 150349

Ion Ratio Lower Upper

65 100

67 49.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082382.D

Acq: 29 May 2024 19:54

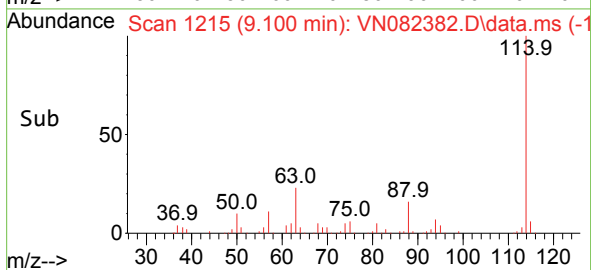
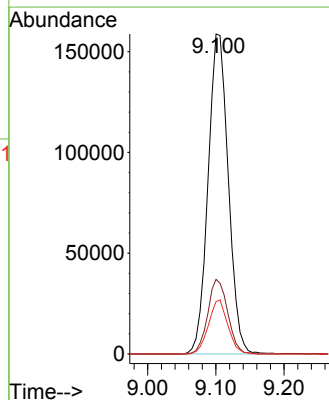
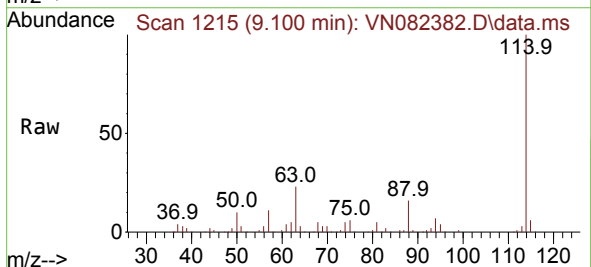
Tgt Ion: 114 Resp: 328245

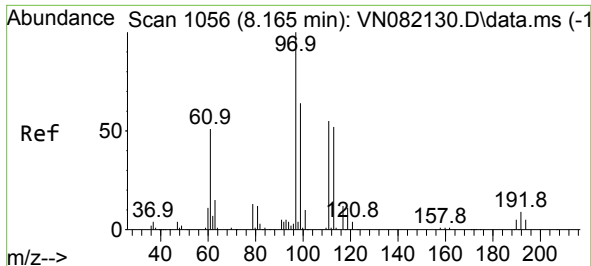
Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.0

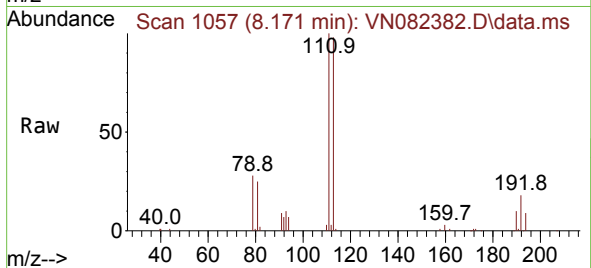
88 16.4 0.0 31.4



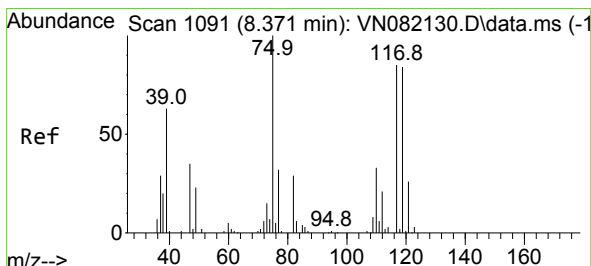
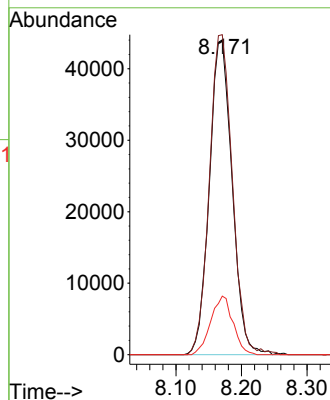
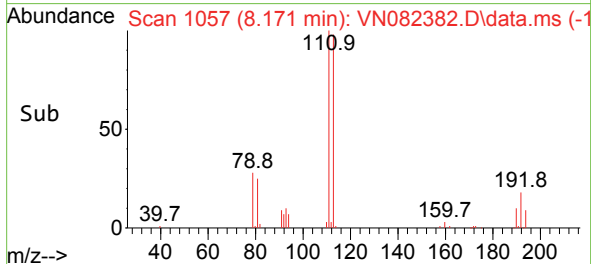


#35
Dibromofluoromethane
Concen: 52.537 ug/l
RT: 8.171 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :

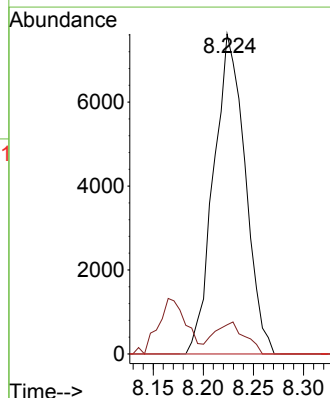
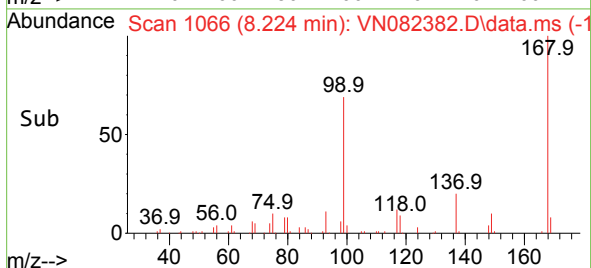
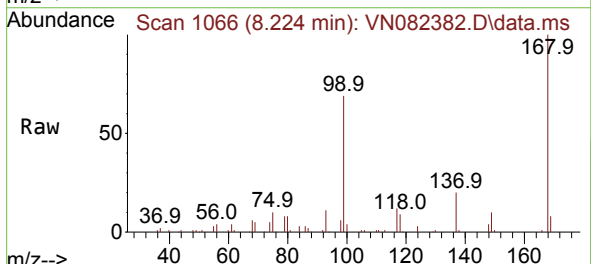


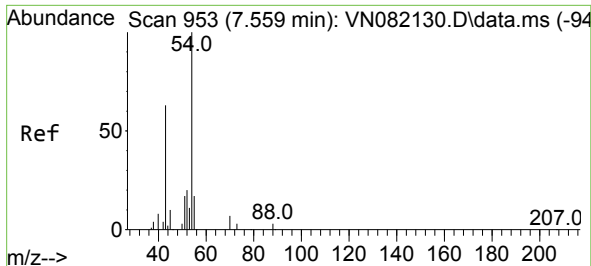
Tgt Ion:113 Resp: 106083
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.2
192 18.2 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

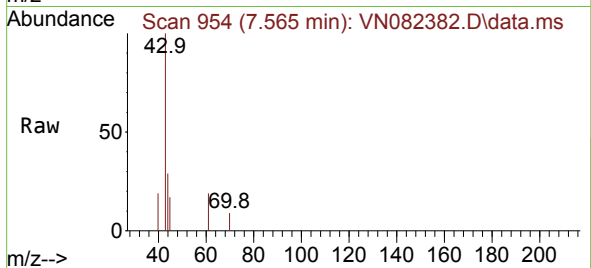
Tgt Ion: 75 Resp: 16614
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 25.0 37.4#



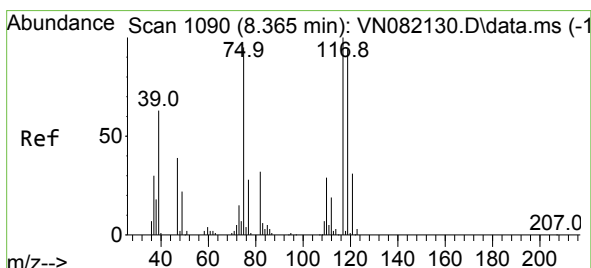
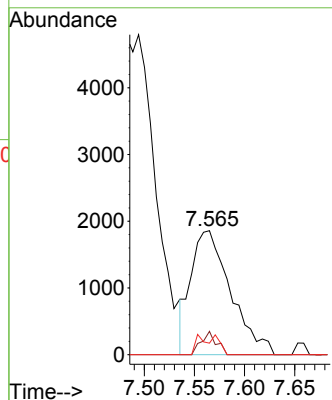
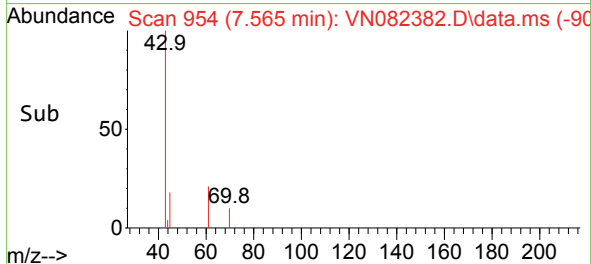


#37
Ethyl Acetate
Concen: 1.351 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :

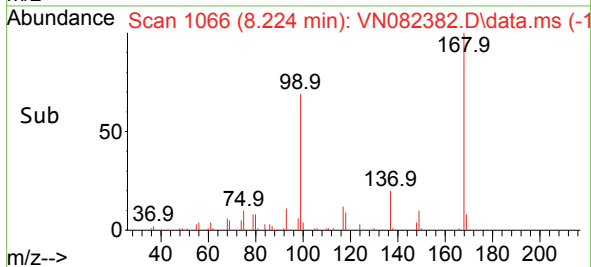
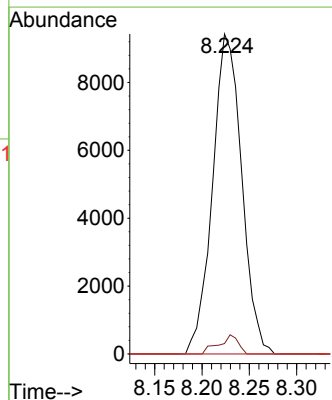
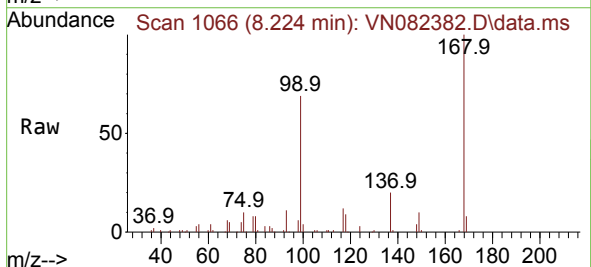


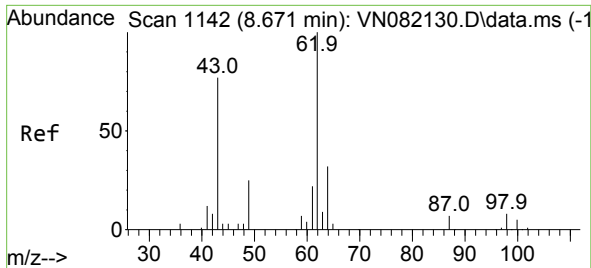
Tgt Ion: 43 Resp: 5120
Ion Ratio Lower Upper
43 100
61 7.2 11.3 16.9#
70 7.8 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Tgt Ion: 117 Resp: 20192
Ion Ratio Lower Upper
117 100
119 3.3 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.281 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN082382.D

Acq: 29 May 2024 19:54

Instrument :

MSVOA_N

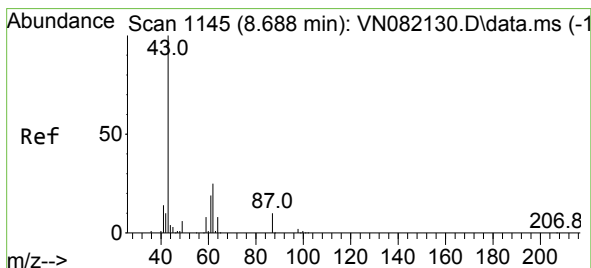
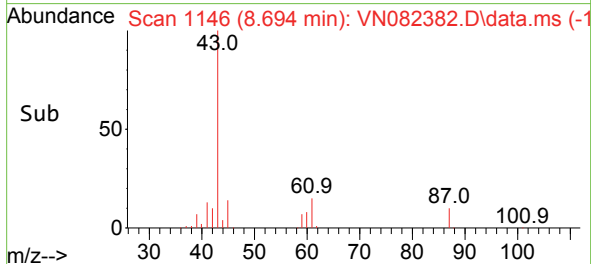
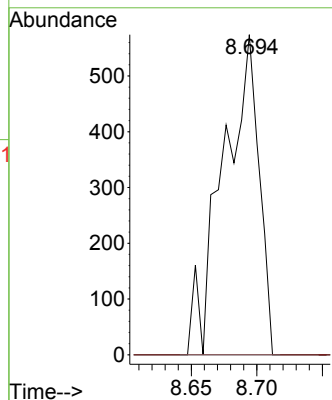
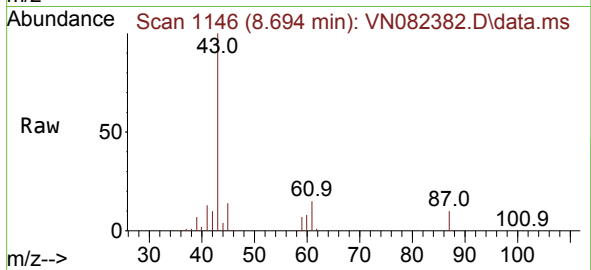
ClientSampleId :

Tgt Ion: 62 Resp: 1091

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 43.539 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082382.D

Acq: 29 May 2024 19:54

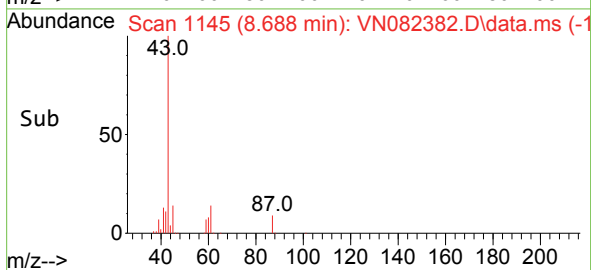
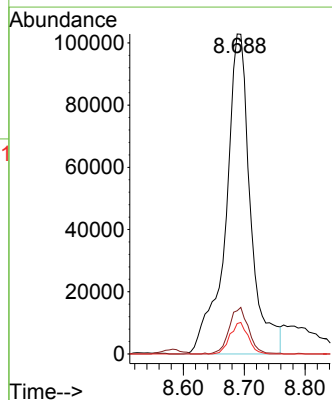
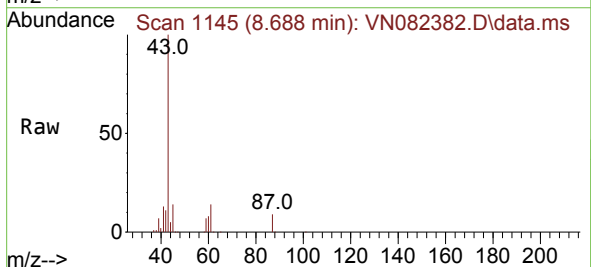
Tgt Ion: 43 Resp: 292389

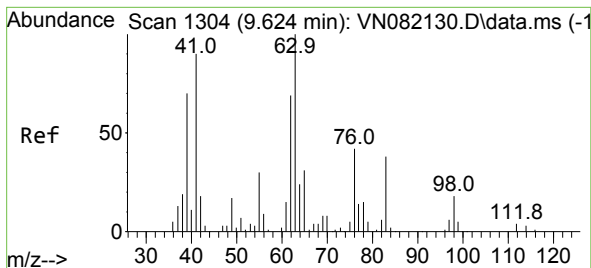
Ion Ratio Lower Upper

43 100

61 11.4 22.8 34.2#

87 7.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.706 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN082382.D

Acq: 29 May 2024 19:54

Instrument :

MSVOA_N

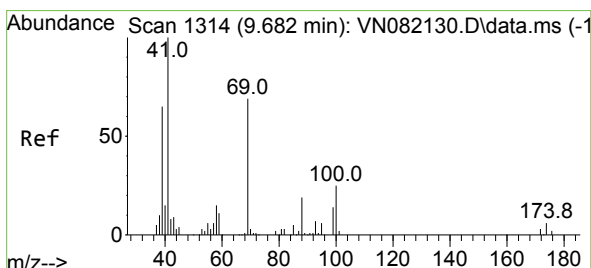
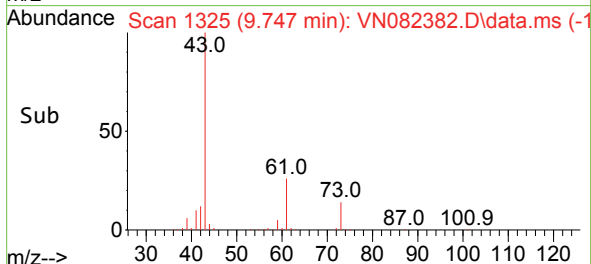
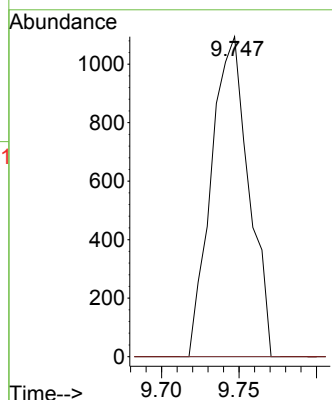
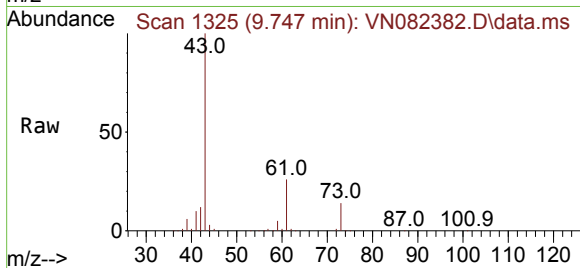
ClientSampleId :

Tgt Ion: 63 Resp: 1839

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.663 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082382.D

Acq: 29 May 2024 19:54

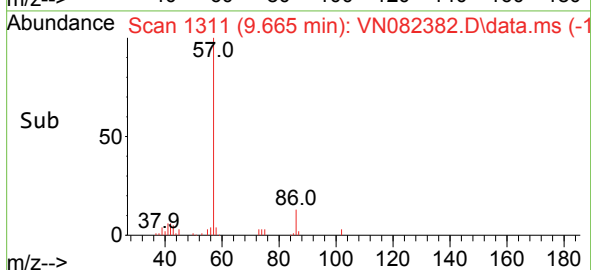
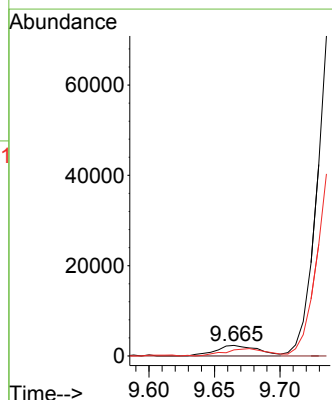
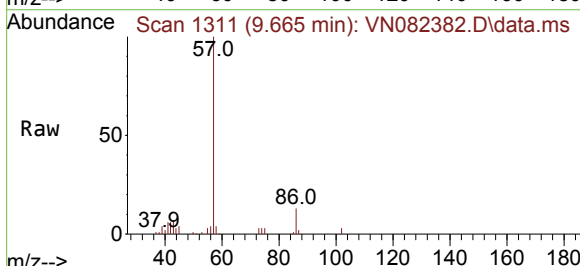
Tgt Ion: 41 Resp: 5321

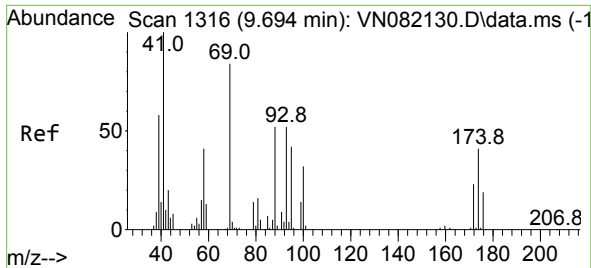
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

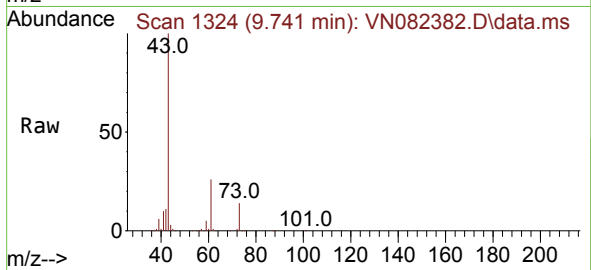
39 66.5 50.9 76.3



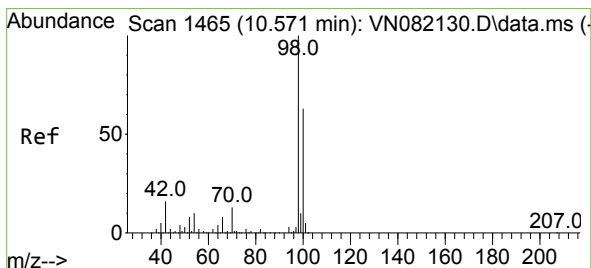
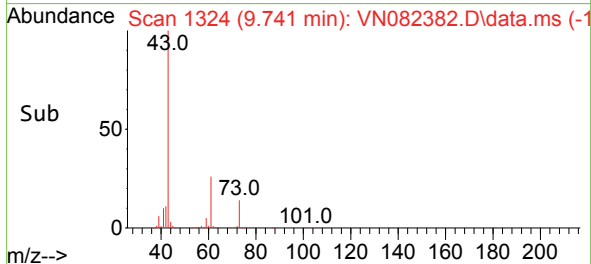
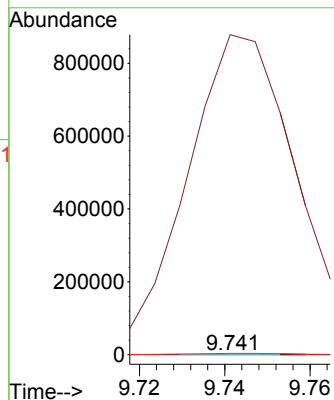


#49
1,4-Dioxane
Concen: 1.383 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :

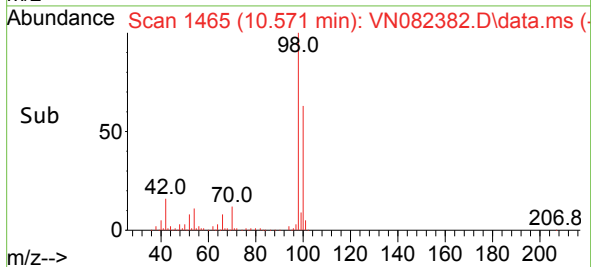
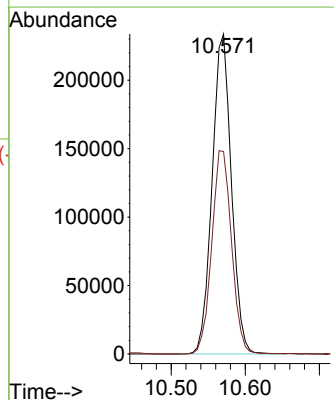
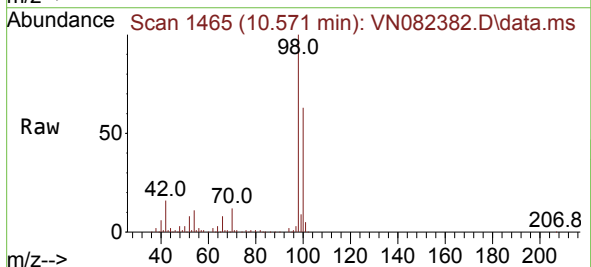


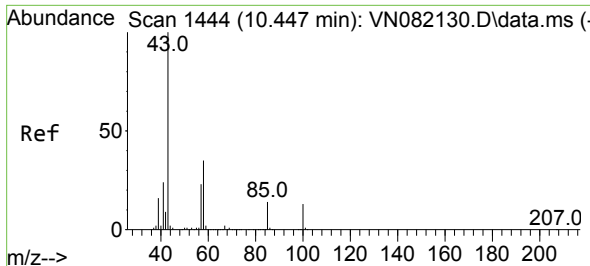
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 2583246.8 19.0 28.6#
58 10580.6 50.6 76.0#



#50
Toluene-d8
Concen: 54.524 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Tgt Ion: 98 Resp: 422100
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6

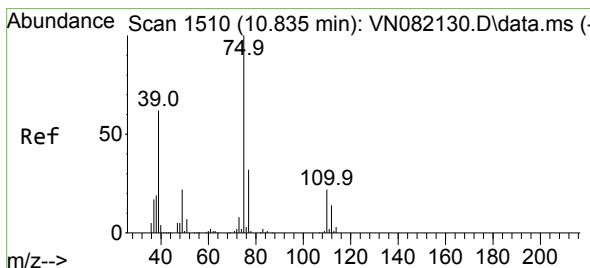
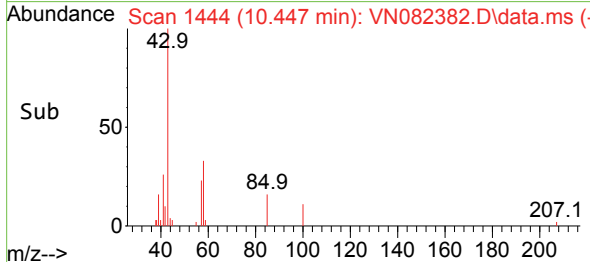
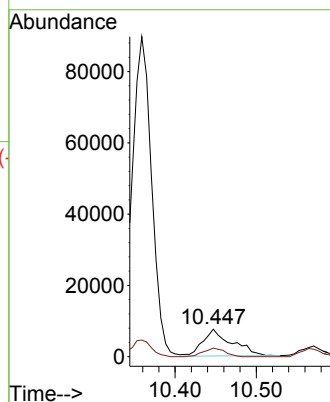
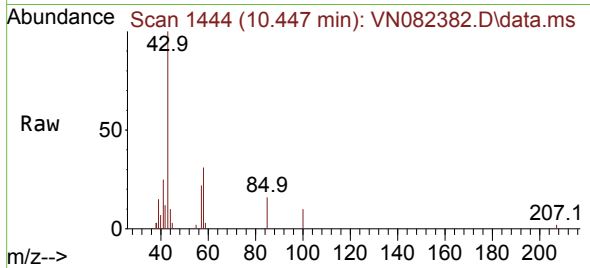




#51
4-Methyl-2-Pentanone
Concen: 4.905 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

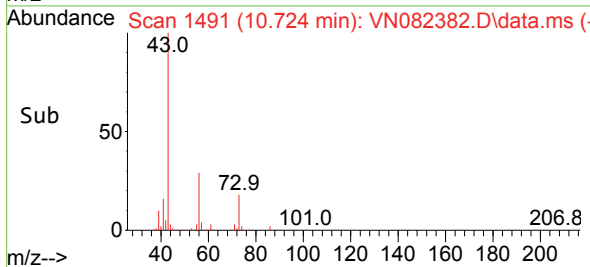
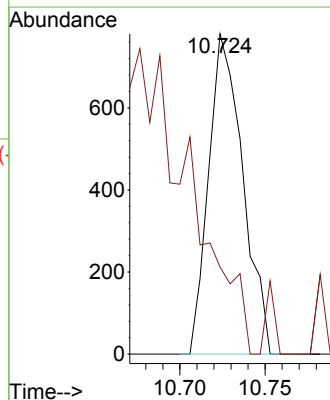
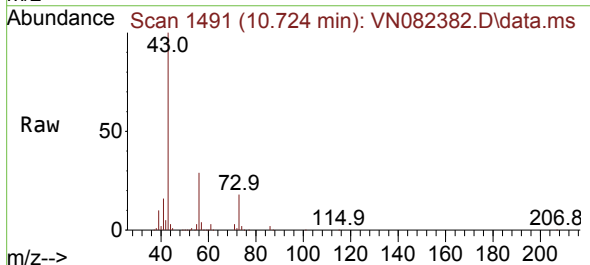
Instrument :
MSVOA_N
ClientSampleId :

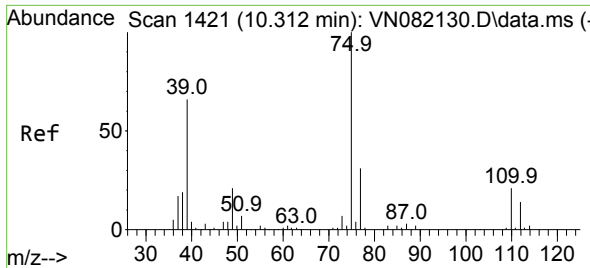
Tgt Ion: 43 Resp: 18715
Ion Ratio Lower Upper
43 100
58 23.9 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.291 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Tgt Ion: 75 Resp: 1087
Ion Ratio Lower Upper
75 100
77 27.2 25.4 38.0

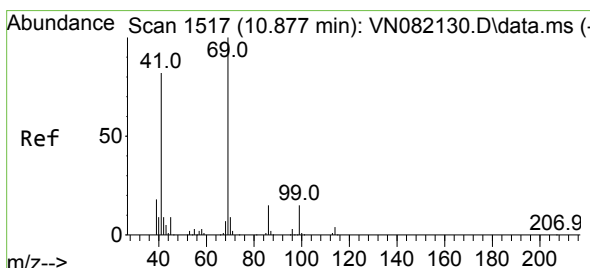
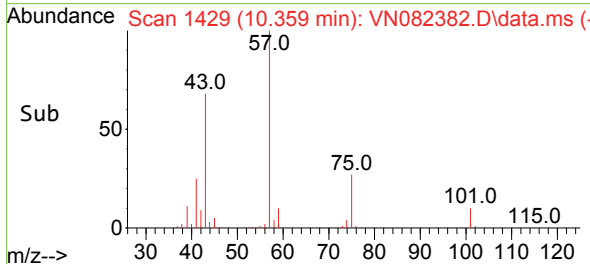
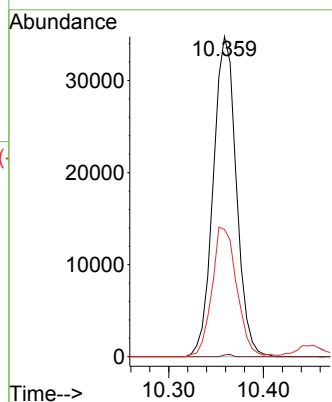
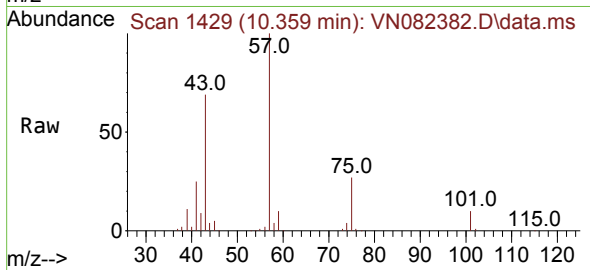




#54
 cis-1,3-Dichloropropene
 Concen: 14.882 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082382.D
 Acq: 29 May 2024 19:54

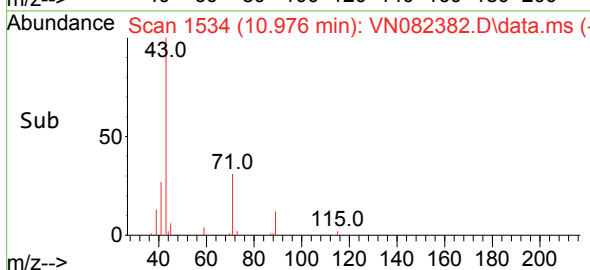
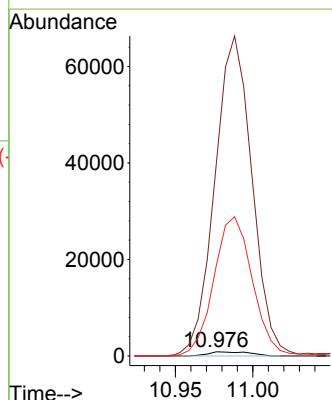
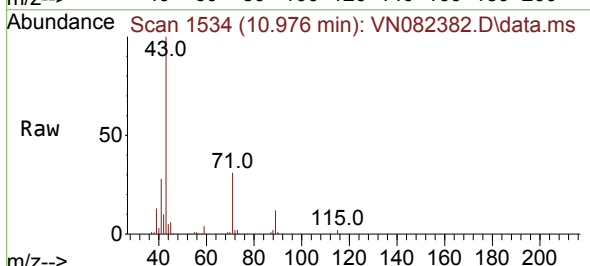
Instrument :
 MSVOA_N
 ClientSampleId :

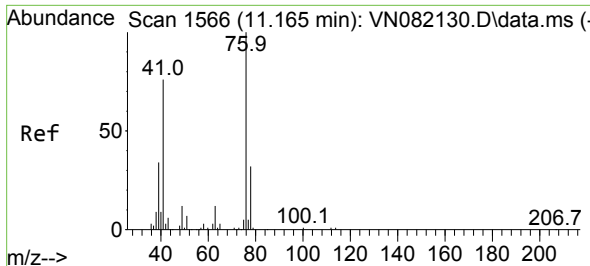
Tgt Ion: 75 Resp: 58834
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 39.8 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.424 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.100 min
 Lab File: VN082382.D
 Acq: 29 May 2024 19:54

Tgt Ion: 69 Resp: 1586
 Ion Ratio Lower Upper
 69 100
 41 7001.3 46.6 70.0#
 39 3160.6 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.598 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

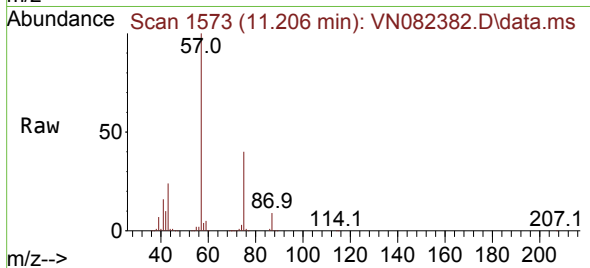
Lab File: VN082382.D

Acq: 29 May 2024 19:54

Instrument :

MSVOA_N

ClientSampleId :

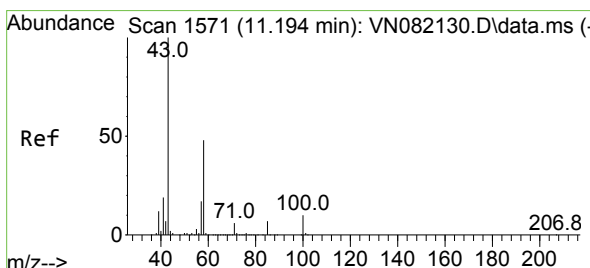
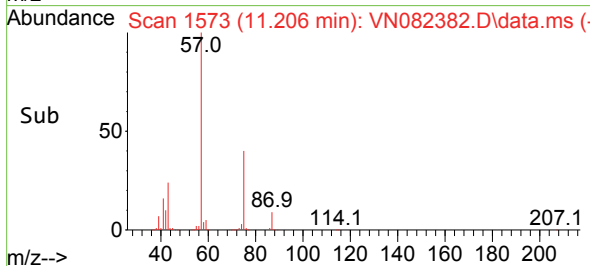
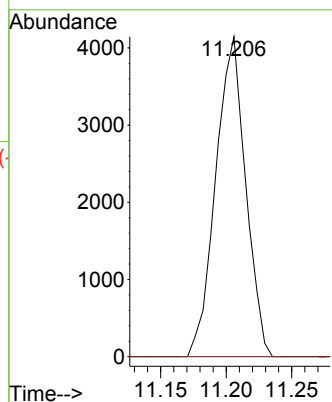


Tgt Ion: 76 Resp: 6580

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 33.729 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082382.D

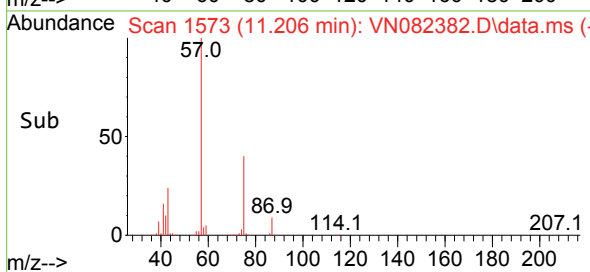
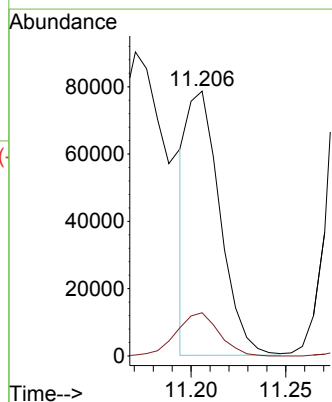
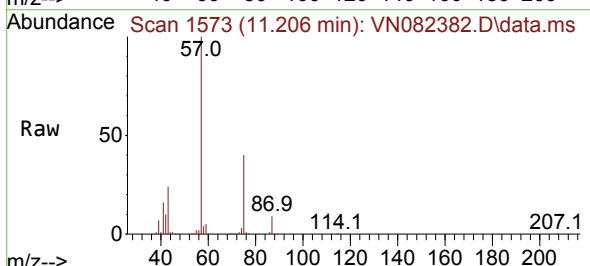
Acq: 29 May 2024 19:54

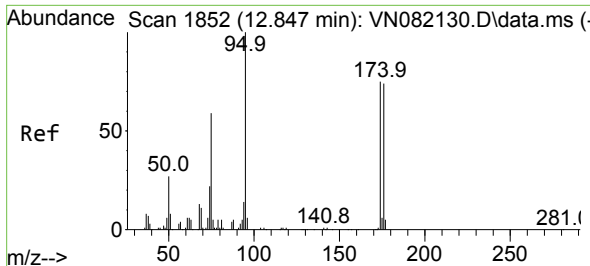
Tgt Ion: 43 Resp: 94230

Ion Ratio Lower Upper

43 100

58 21.5 28.3 84.9#

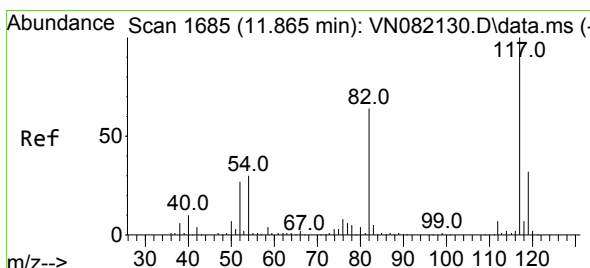
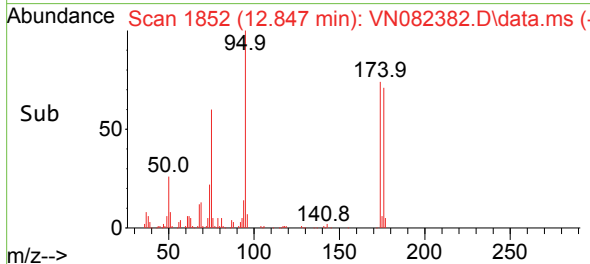
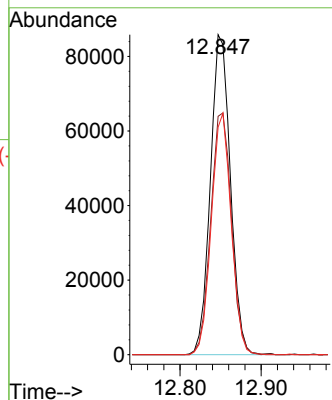
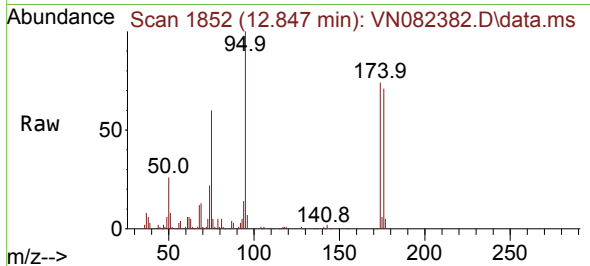




#62
4-Bromofluorobenzene
Concen: 53.226 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

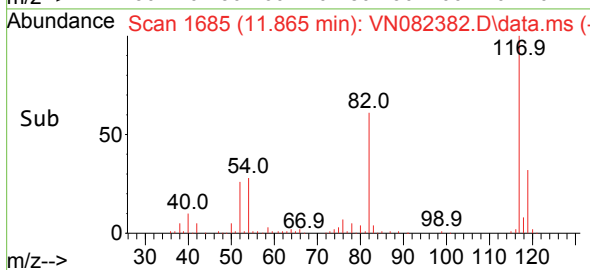
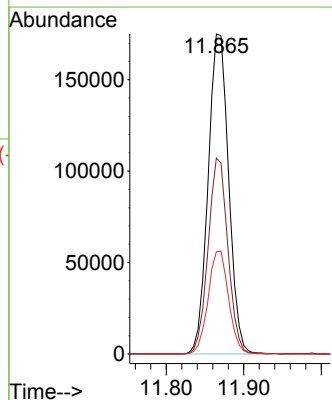
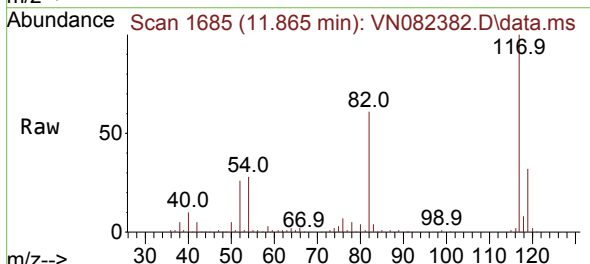
Instrument :
MSVOA_N
ClientSampleId :

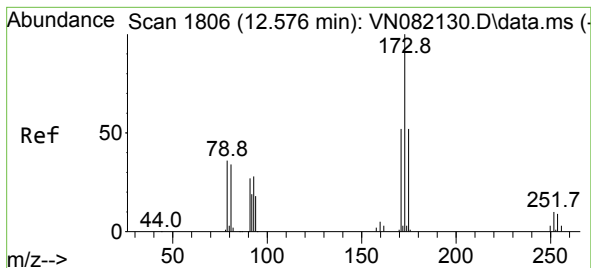
Tgt Ion: 95 Resp: 147070
Ion Ratio Lower Upper
95 100
174 78.3 0.0 160.6
176 74.7 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Tgt Ion: 117 Resp: 321697
Ion Ratio Lower Upper
117 100
82 61.2 44.6 66.8
119 31.9 25.9 38.9





#71

Bromoform

Concen: 0.932 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN082382.D

Acq: 29 May 2024 19:54

Instrument :

MSVOA_N

ClientSampleId :

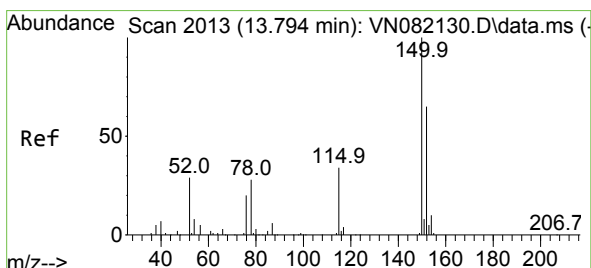
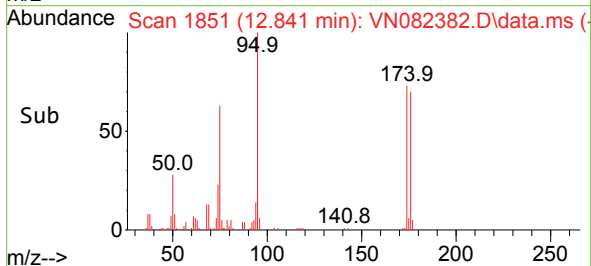
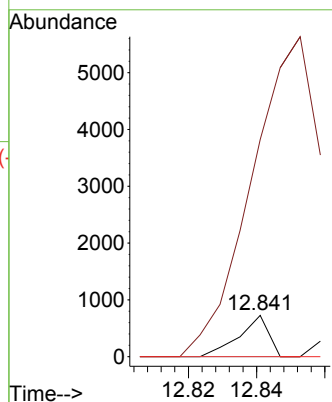
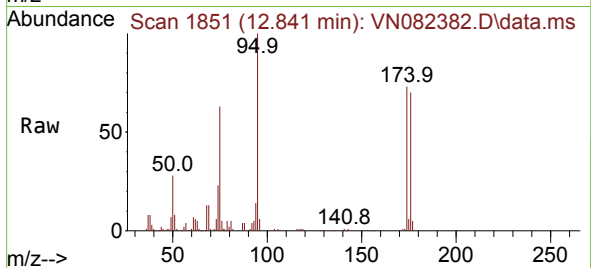
Tgt Ion:173 Resp: 437

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082382.D

Acq: 29 May 2024 19:54

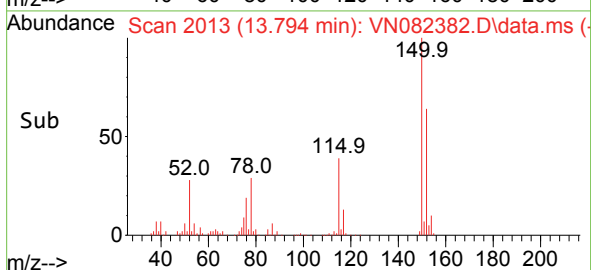
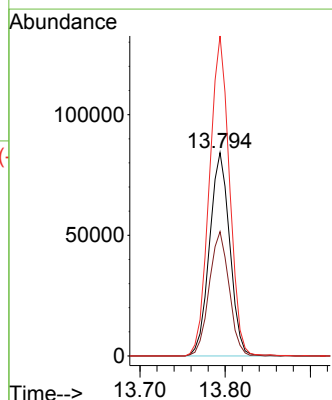
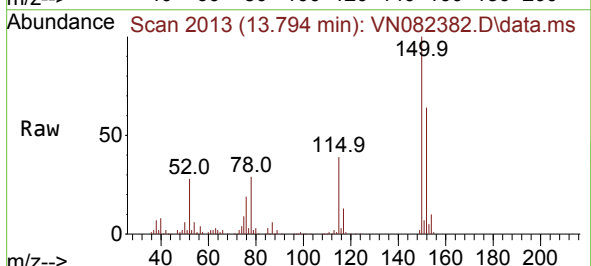
Tgt Ion:152 Resp: 138760

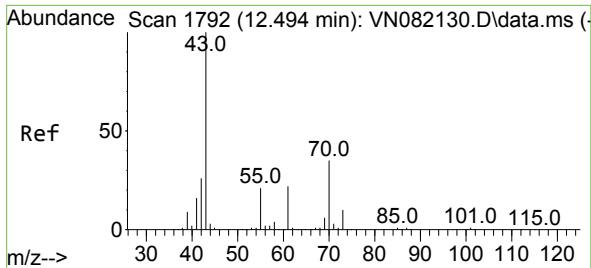
Ion Ratio Lower Upper

152 100

115 60.2 30.4 91.3

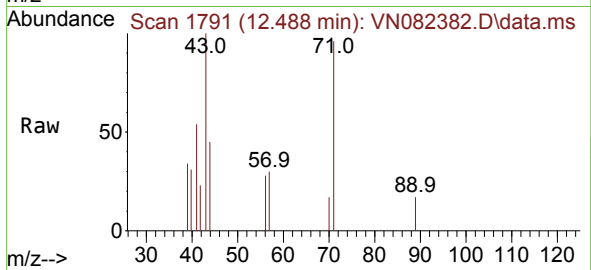
150 156.2 0.0 353.2



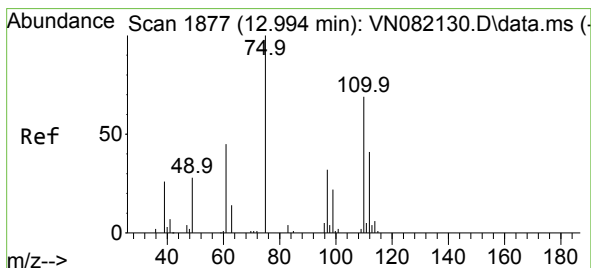
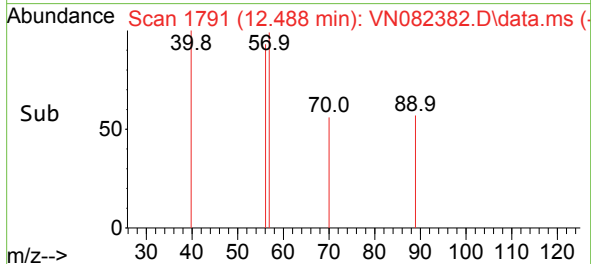
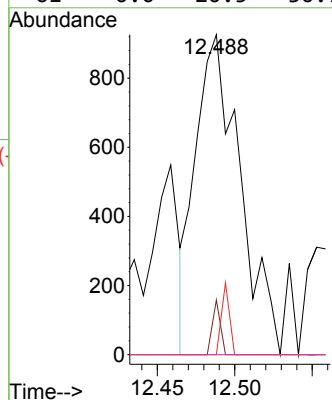


#74
N-amy1 acetate
Concen: 0.305 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :

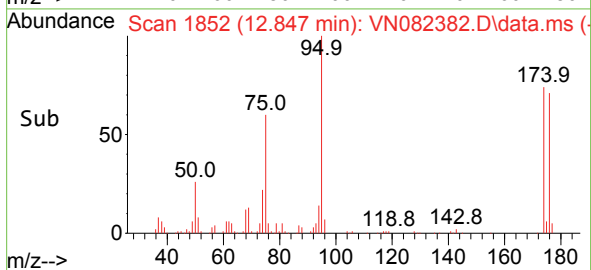
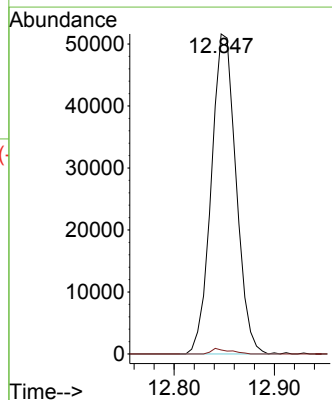
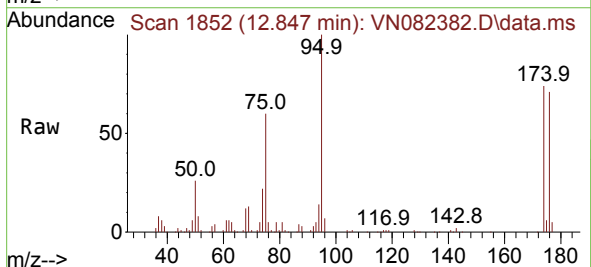


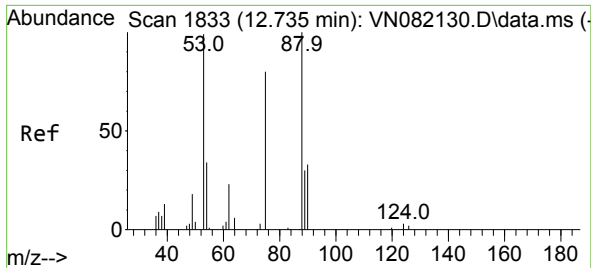
Tgt Ion:	43	Resp:	1850
Ion Ratio	Lower	Upper	
43	100		
70	3.0	39.0	58.4#
55	3.9	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 30.328 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082382.D
Acq: 29 May 2024 19:54

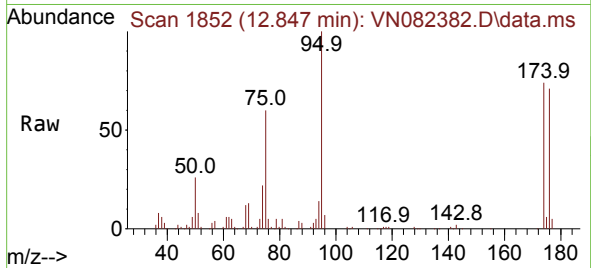
Tgt Ion:	75	Resp:	88574
Ion Ratio	Lower	Upper	
75	100		
77	1.3	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.935 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082382.D
 Acq: 29 May 2024 19:54

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 88574
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

