

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082058.D
 Acq On : 09 May 2024 18:10
 Operator : JC\MD
 Sample : P2413-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:55:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

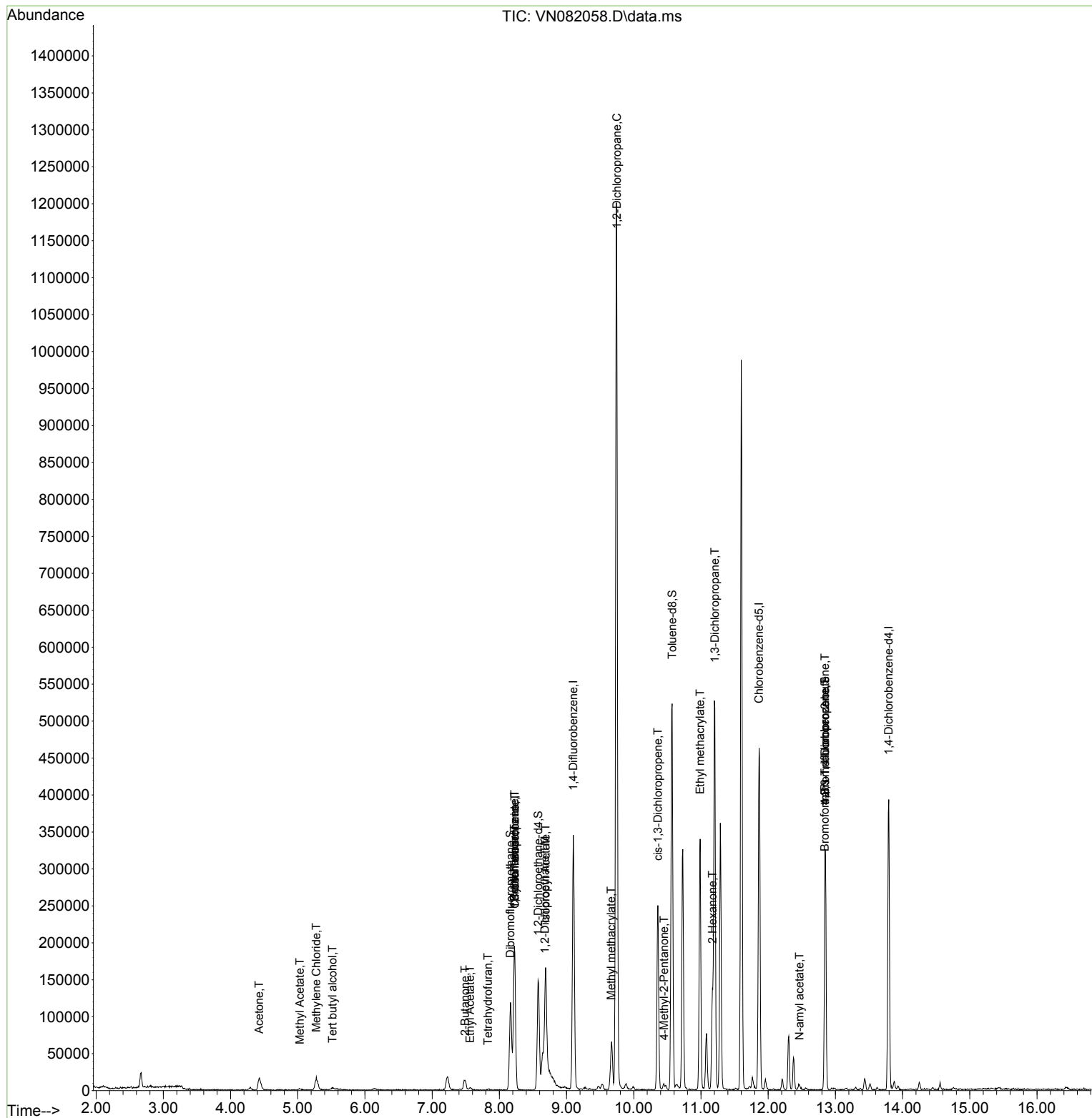
Internal Standards						
1) Pentafluorobenzene	8.224	168	123411	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	270214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117401	56.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.740%			
35) Dibromofluoromethane	8.165	113	85180	52.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.720%			
50) Toluene-d8	10.571	98	350278	54.820	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.640%			
62) 4-Bromofluorobenzene	12.847	95	112607	44.582	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 89.160%			
Target Compounds						
					Qvalue	
5) Bromomethane	3.195	94	112	Below Cal	#	3
11) Tert butyl alcohol	5.518	59	3689	9.743	ug/l #	77
13) Acrolein	4.177	56	196	Below Cal	#	72
16) Acetone	4.424	43	31335	46.423	ug/l	93
18) Methyl Acetate	5.030	43	1738	0.824	ug/l #	88
20) Methylene Chloride	5.277	84	10942	6.130	ug/l #	69
25) 2-Butanone	7.488	43	23569	19.937	ug/l	94
29) Tetrahydrofuran	7.830	42	453	0.534	ug/l #	29
31) Cyclohexane	8.224	56	4882	1.556	ug/l #	50
36) 1,1-Dichloropropene	8.230	75	14260	5.388	ug/l #	51
37) Ethyl Acetate	7.565	43	5374	1.878	ug/l #	79
38) Carbon Tetrachloride	8.230	117	14256	5.511	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	660	0.224	ug/l #	73
43) Isopropyl Acetate	8.688	43	257896	47.928	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1403	0.675	ug/l #	45
48) Methyl methacrylate	9.665	41	5251	2.044	ug/l #	32
51) 4-Methyl-2-Pentanone	10.453	43	5200	1.717	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	43910	12.918	ug/l #	69
56) Ethyl methacrylate	10.988	69	1156	0.324	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5865	1.763	ug/l #	42
59) 2-Hexanone	11.171	43	110573	49.050	ug/l #	23
71) Bromoform	12.841	173	396	0.281	ug/l #	28
74) N-amyl acetate	12.465	43	6290	1.353	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	67615	27.757	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67615	56.878	ug/l #	13

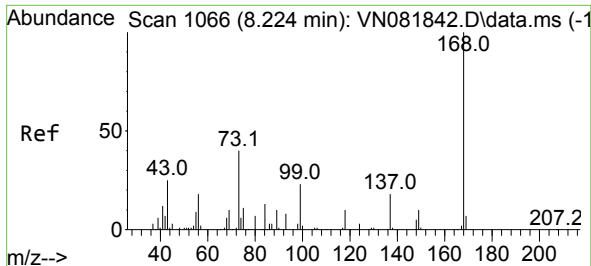
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
Data File : VN082058.D
Acq On : 09 May 2024 18:10
Operator : JC\MD
Sample : P2413-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

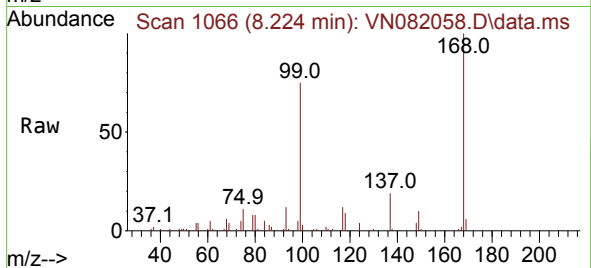
Quant Time: May 10 03:55:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration



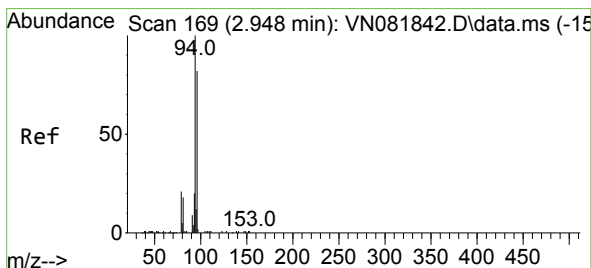
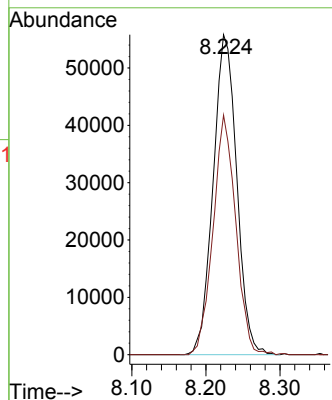
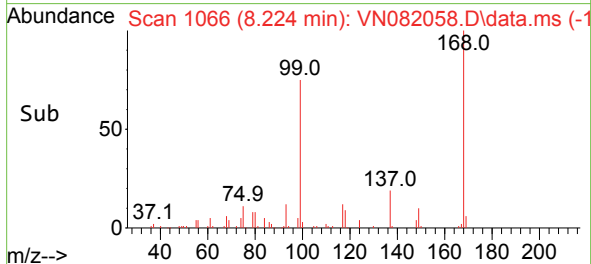


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

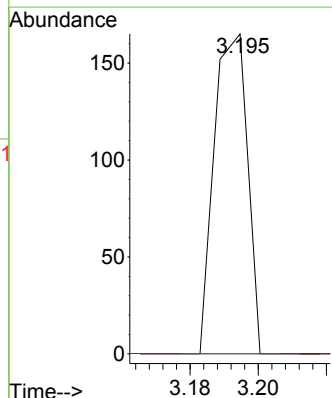
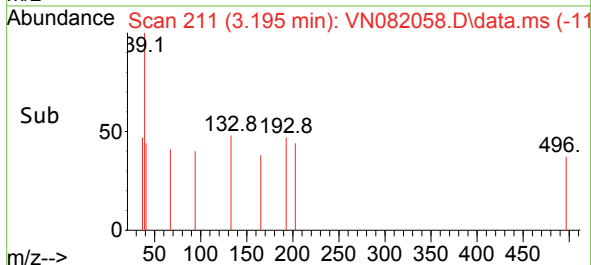
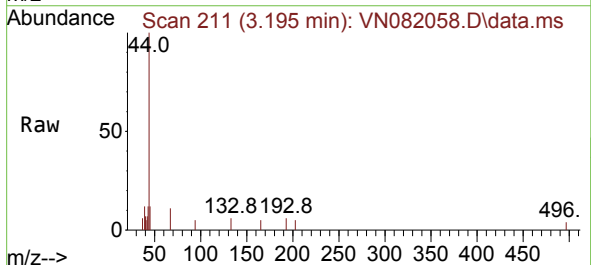


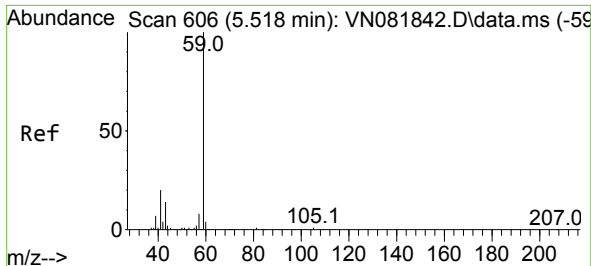
Tgt Ion:168 Resp: 123411
Ion Ratio Lower Upper
168 100
99 74.9 48.2 72.4#



#5
Bromomethane
Concen: Below Cal
RT: 3.195 min Scan# 211
Delta R.T. 0.247 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

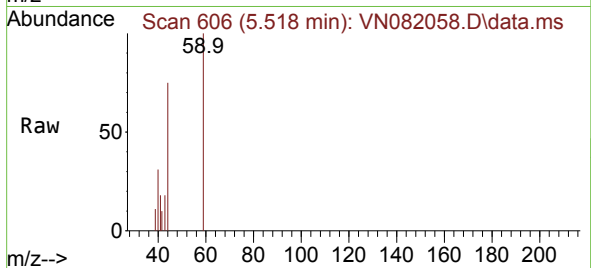
Tgt Ion: 94 Resp: 112
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



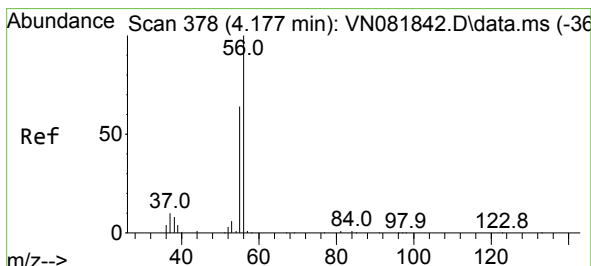
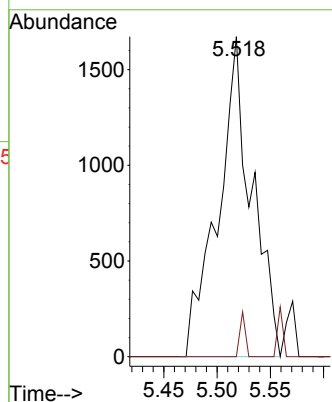
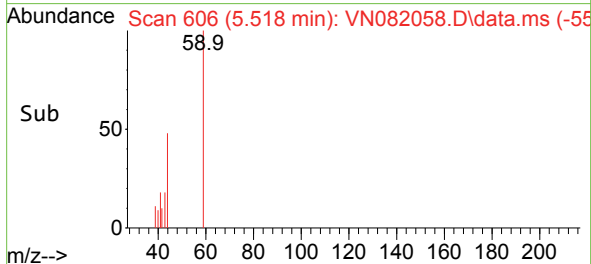


#11
Tert butyl alcohol
Concen: 9.743 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

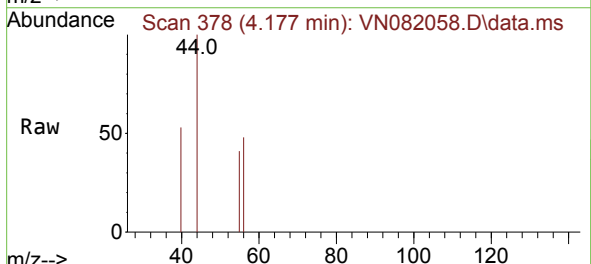
Instrument :
MSVOA_N
ClientSampleId :



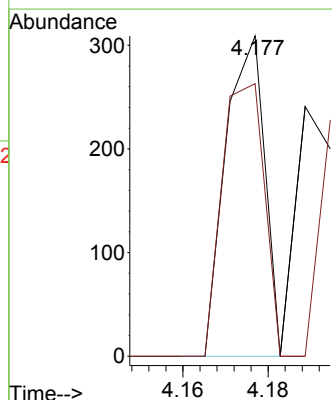
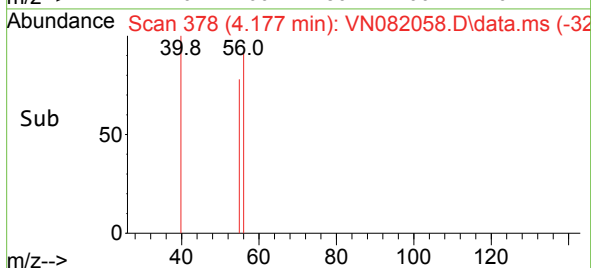
Tgt Ion: 59 Resp: 3689
Ion Ratio Lower Upper
59 100
57 2.2 8.9 13.3#

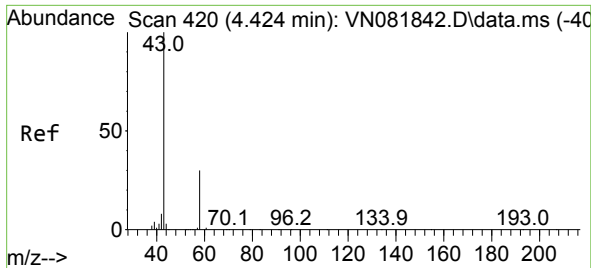


#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10



Tgt Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 92.3 55.8 83.8#

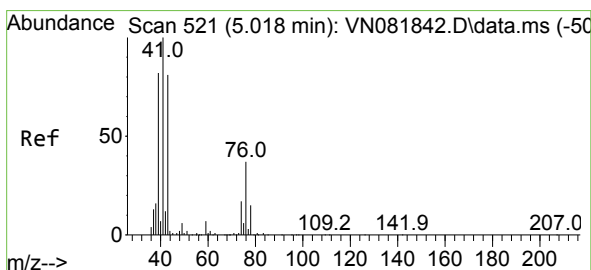
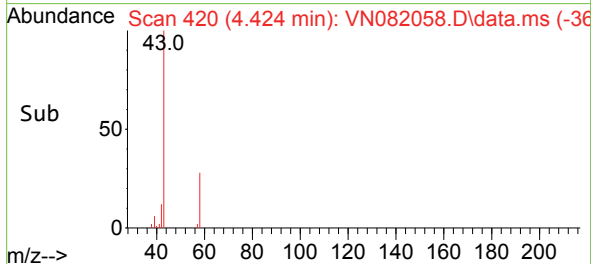
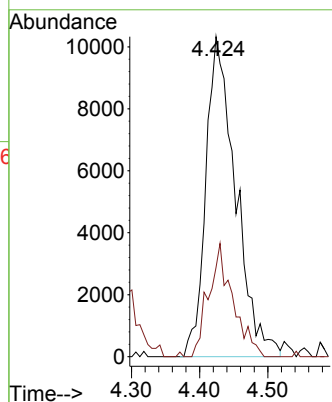
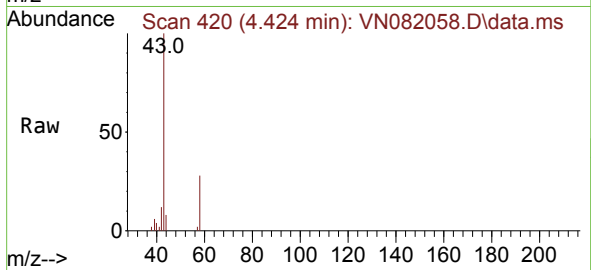




#16
Acetone
Concen: 46.423 ug/l
RT: 4.424 min Scan# 431
Delta R.T. -0.000 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

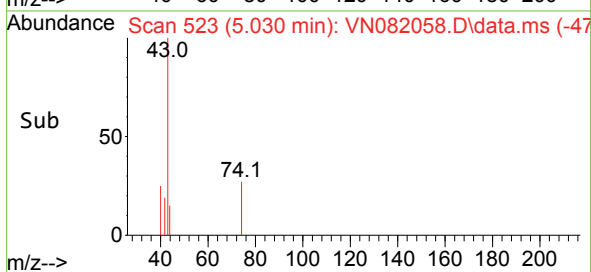
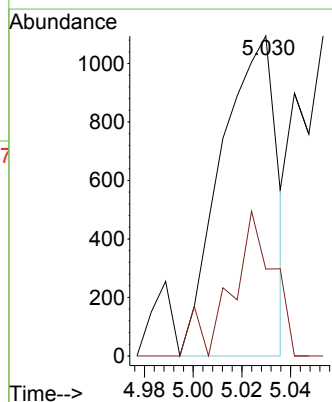
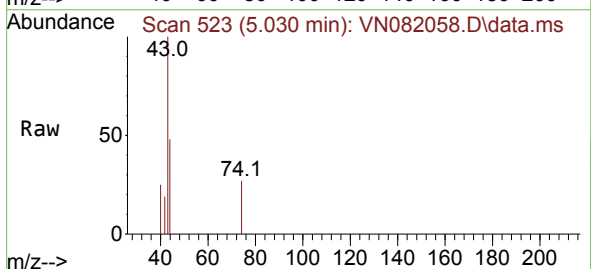
Instrument :
MSVOA_N
ClientSampleId :

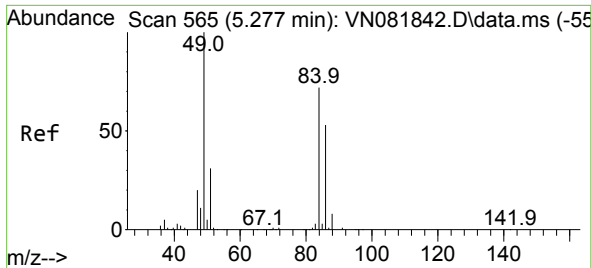
Tgt Ion: 43 Resp: 31335
Ion Ratio Lower Upper
43 100
58 27.9 25.2 37.8



#18
Methyl Acetate
Concen: 0.824 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

Tgt Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
74 34.2 22.2 33.2#

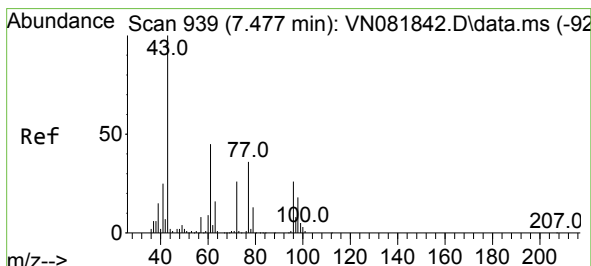
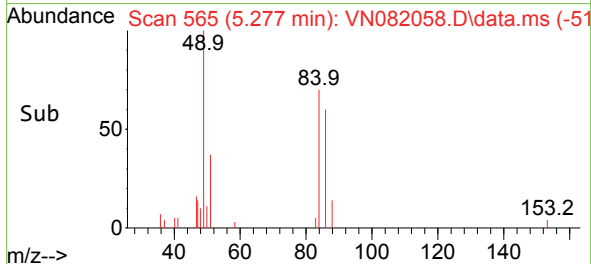
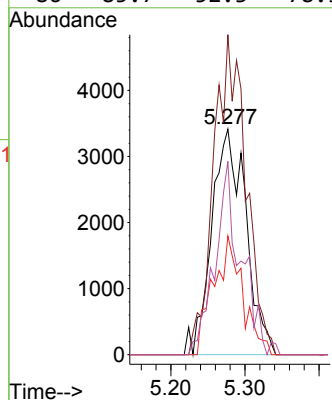
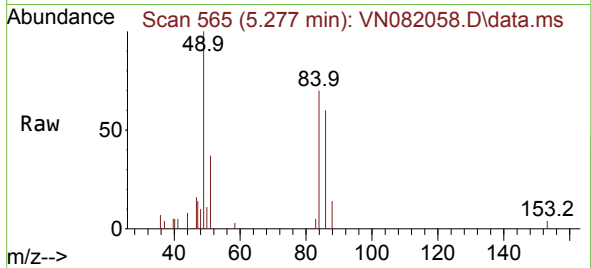




#20
Methylene Chloride
Concen: 6.130 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

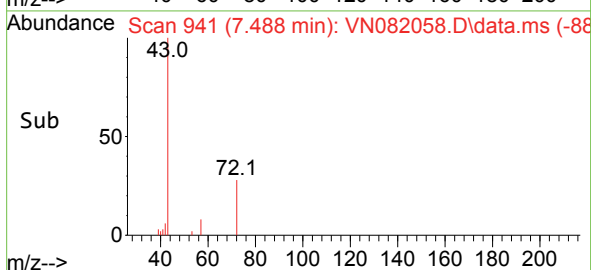
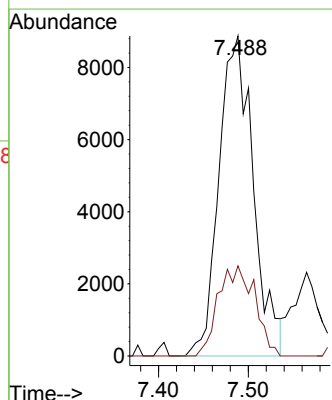
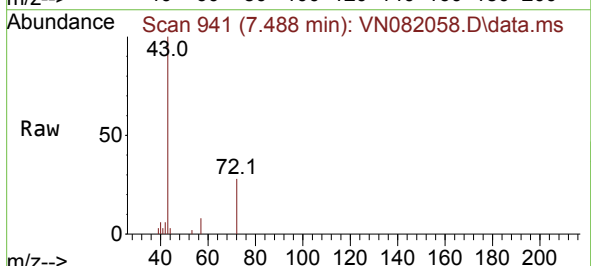
Instrument :
MSVOA_N
ClientSampleId :

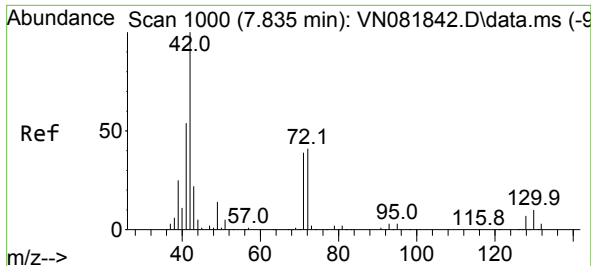
Tgt Ion:	84	Resp:	10942
Ion	Ratio	Lower	Upper
84	100		
49	141.9	84.9	127.3#
51	52.6	27.0	40.6#
86	85.7	52.3	78.5#



#25
2-Butanone
Concen: 19.937 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

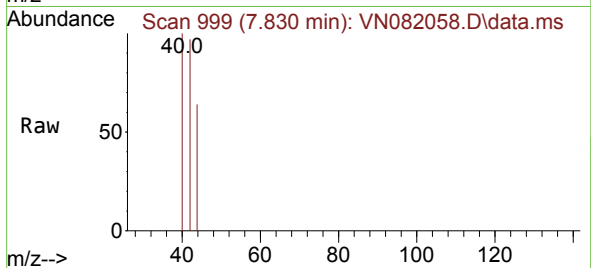
Tgt Ion:	43	Resp:	23569
Ion	Ratio	Lower	Upper
43	100		
72	28.2	25.3	37.9



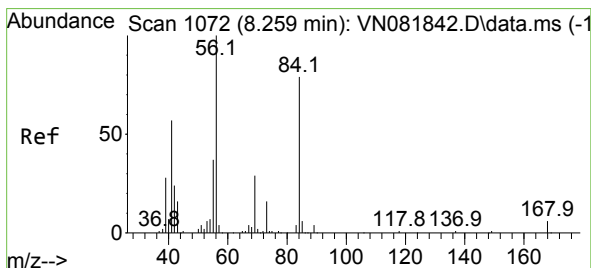
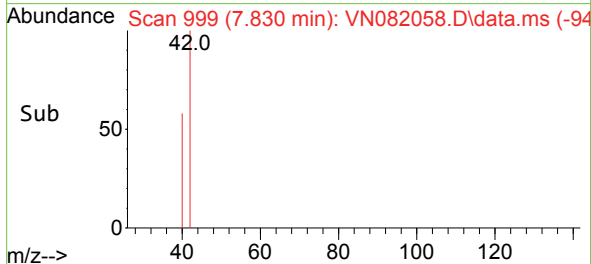
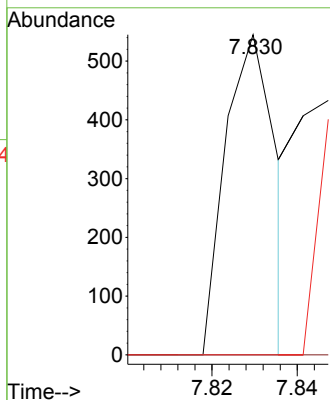


#29
Tetrahydrofuran
Concen: 0.534 ug/l
RT: 7.830 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

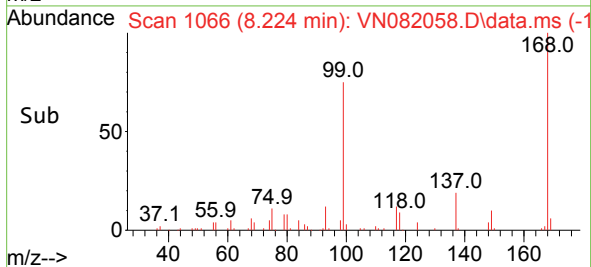
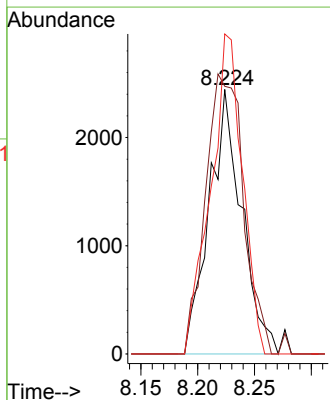
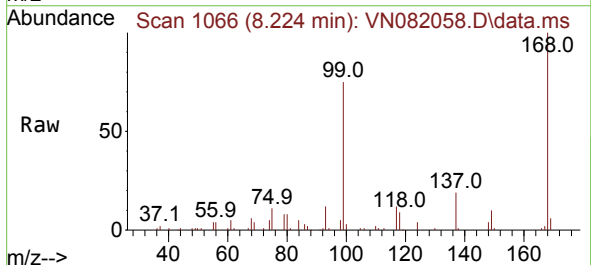


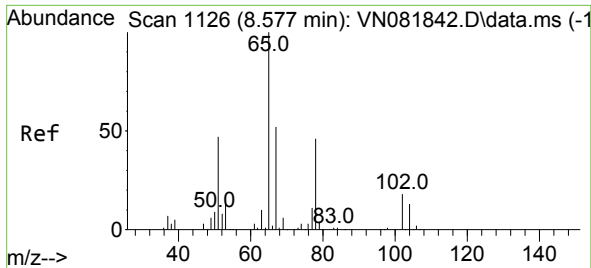
Tgt Ion: 42 Resp: 453
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



#31
Cyclohexane
Concen: 1.556 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

Tgt Ion: 56 Resp: 4882
Ion Ratio Lower Upper
56 100
69 101.2 24.4 36.6#
84 121.0 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 56.366 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN082058.D

Acq: 09 May 2024 18:10

Instrument :

MSVOA_N

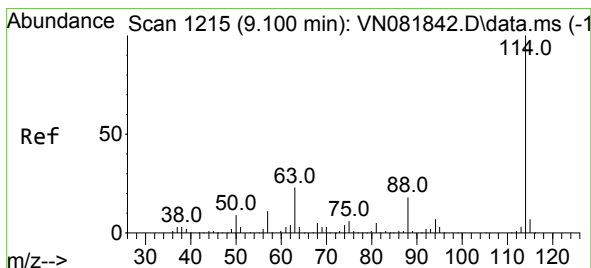
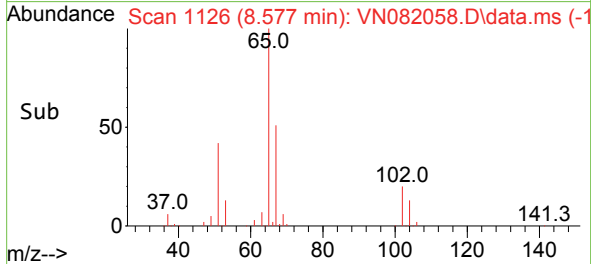
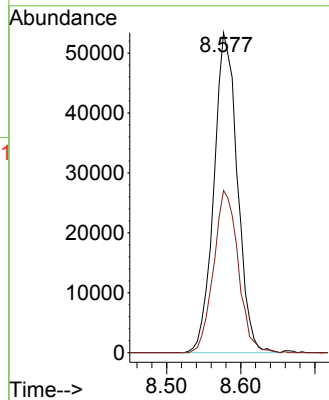
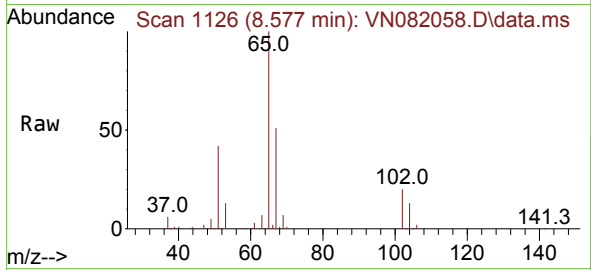
ClientSampleId :

Tgt Ion: 65 Resp: 117401

Ion Ratio Lower Upper

65 100

67 53.1 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: VN082058.D

Acq: 09 May 2024 18:10

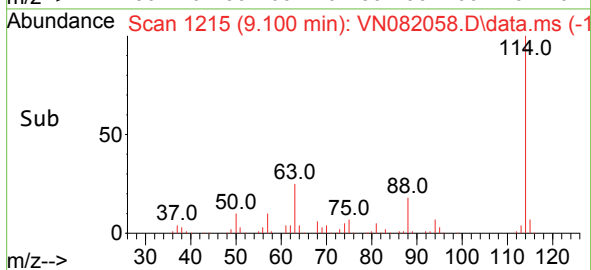
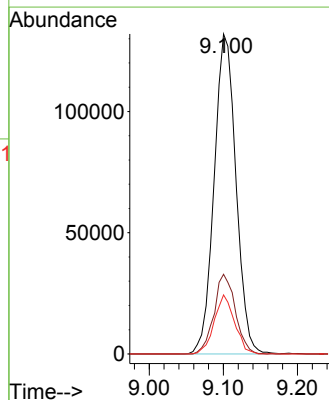
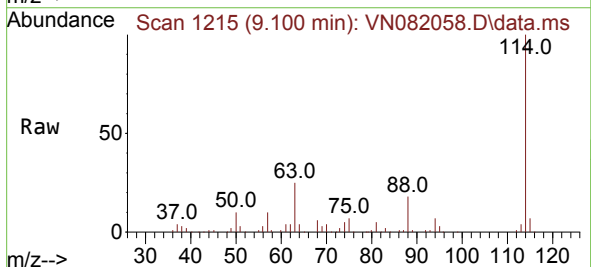
Tgt Ion: 114 Resp: 270214

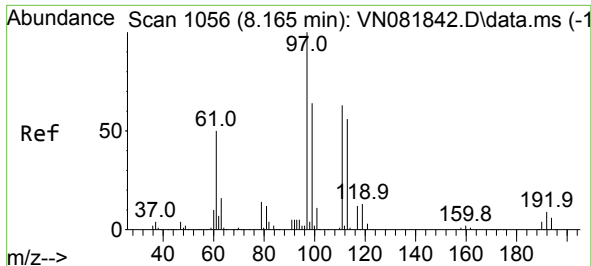
Ion Ratio Lower Upper

114 100

63 24.9 0.0 41.0

88 18.5 0.0 31.4

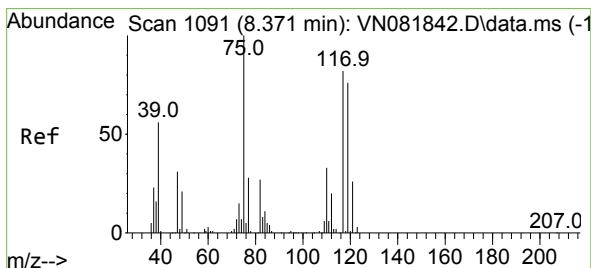
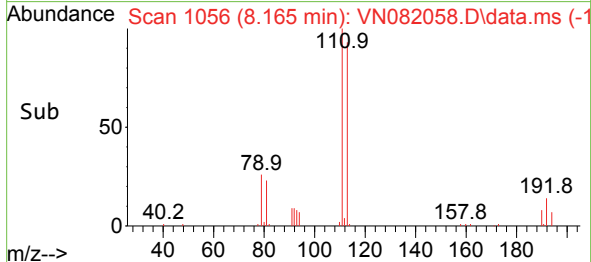
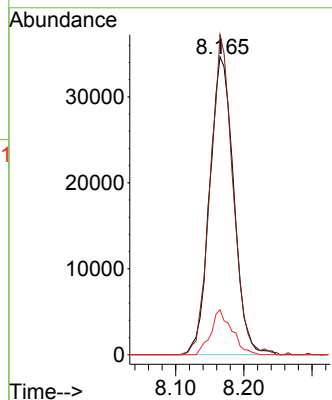
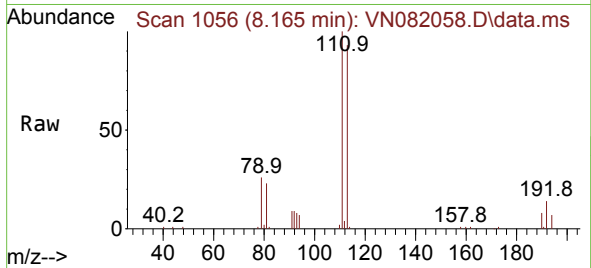




#35
Dibromofluoromethane
Concen: 52.357 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

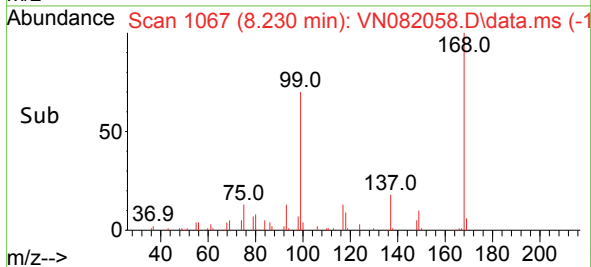
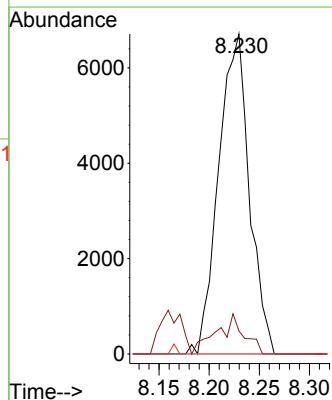
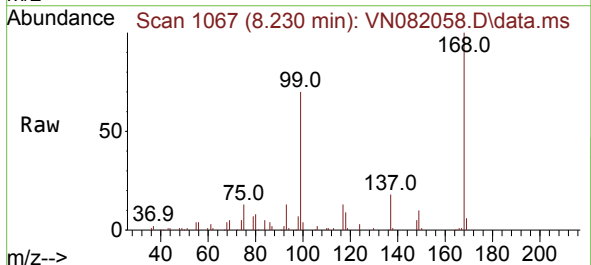
Instrument :
MSVOA_N
ClientSampleId :

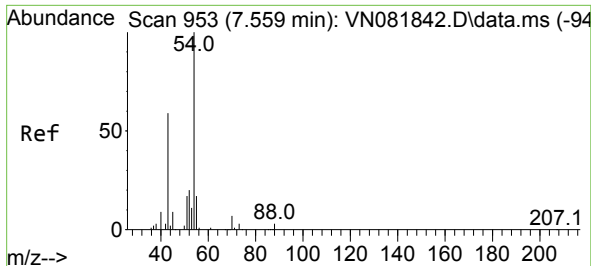
Tgt Ion:113 Resp: 85180
Ion Ratio Lower Upper
113 100
111 101.1 83.4 125.2
192 13.2 14.0 21.0#



#36
1,1-Dichloropropene
Concen: 5.388 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

Tgt Ion: 75 Resp: 14260
Ion Ratio Lower Upper
75 100
110 11.3 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.878 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

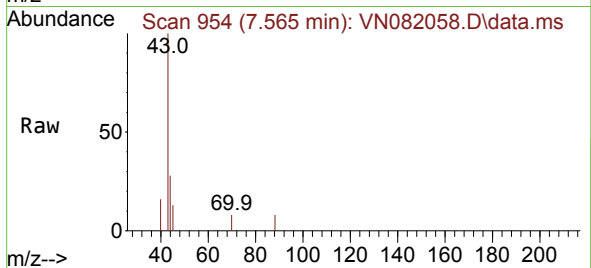
Lab File: VN082058.D

Acq: 09 May 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :



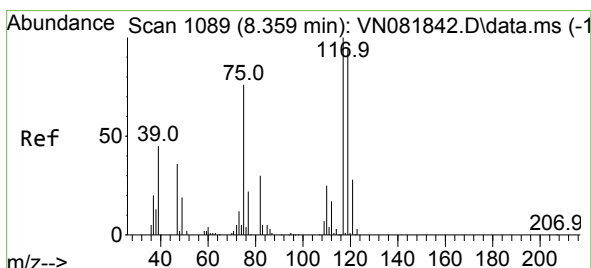
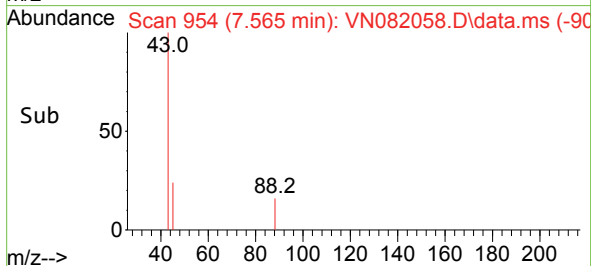
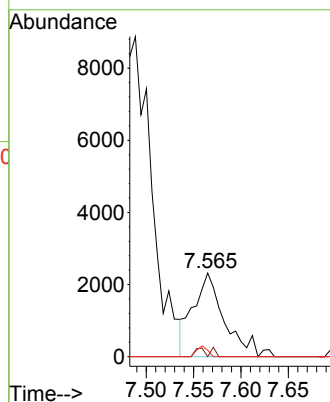
Tgt Ion: 43 Resp: 5374

Ion Ratio Lower Upper

43 100

61 4.7 11.3 16.9#

70 4.3 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.511 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN082058.D

Acq: 09 May 2024 18:10

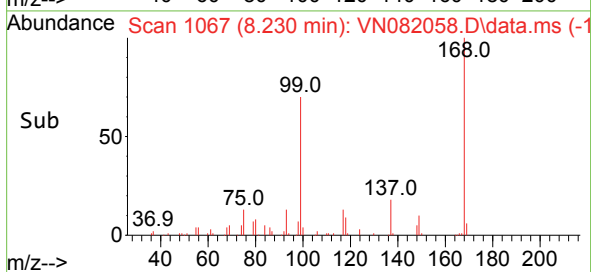
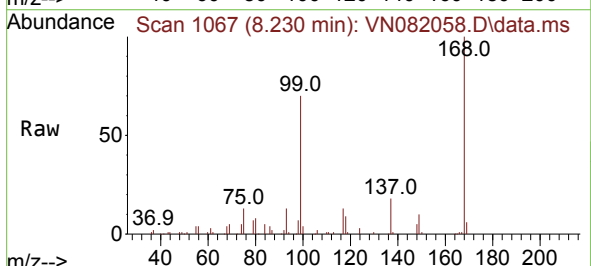
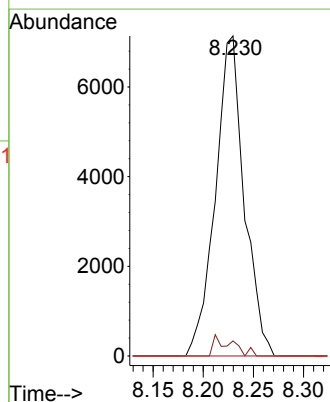
Tgt Ion: 117 Resp: 14256

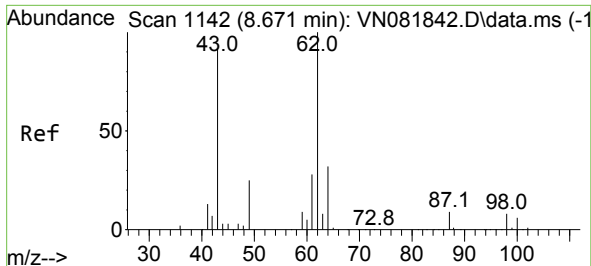
Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.224 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082058.D

Acq: 09 May 2024 18:10

Instrument :

MSVOA_N

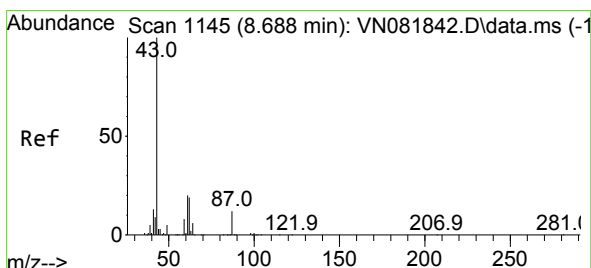
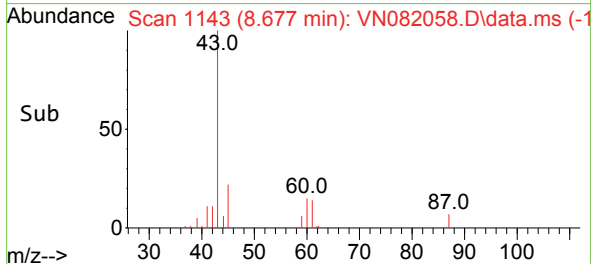
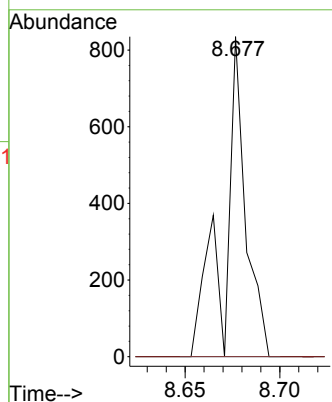
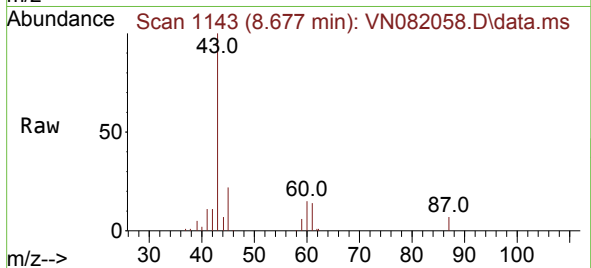
ClientSampleId :

Tgt Ion: 62 Resp: 660

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 47.928 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082058.D

Acq: 09 May 2024 18:10

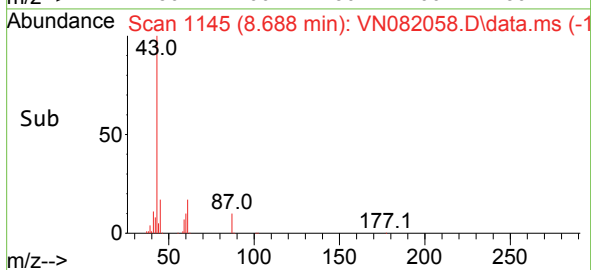
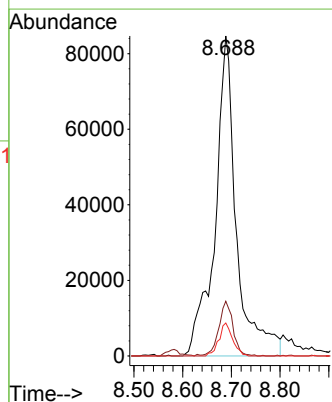
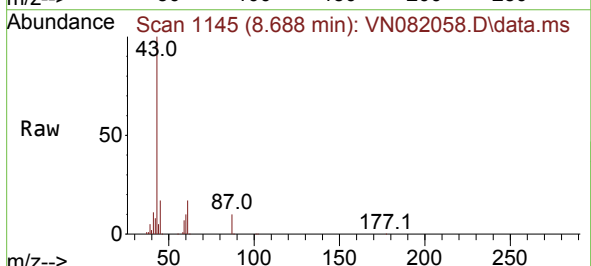
Tgt Ion: 43 Resp: 257896

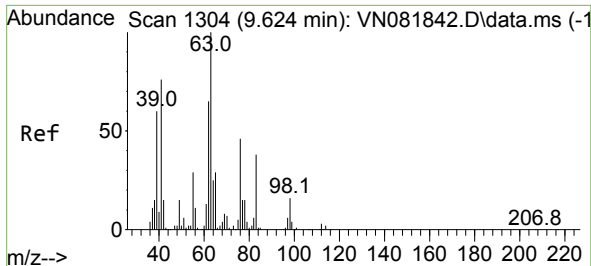
Ion Ratio Lower Upper

43 100

61 11.5 22.8 34.2#

87 6.6 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.675 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

Lab File: VN082058.D

Acq: 09 May 2024 18:10

Instrument :

MSVOA_N

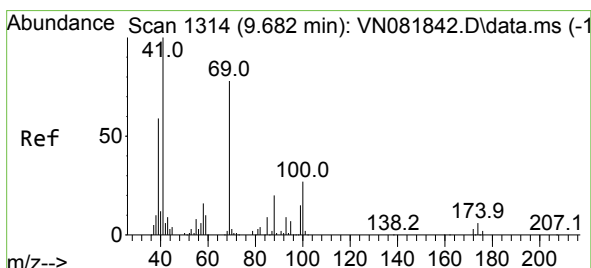
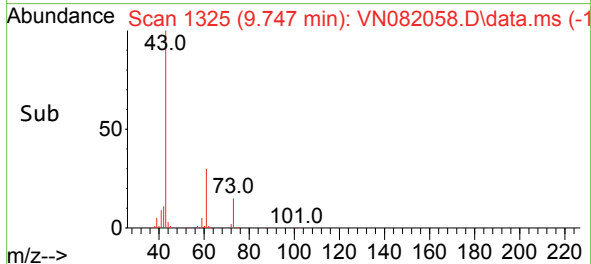
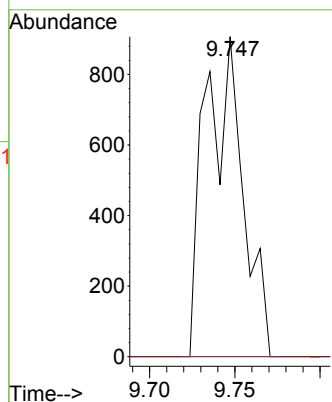
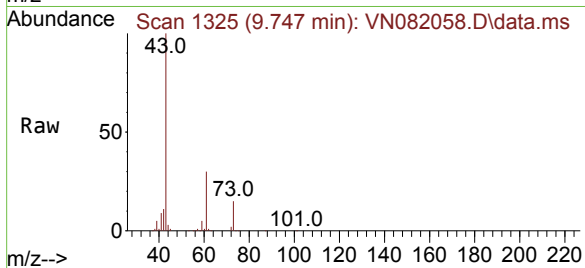
ClientSampleId :

Tgt Ion: 63 Resp: 1403

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 2.044 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082058.D

Acq: 09 May 2024 18:10

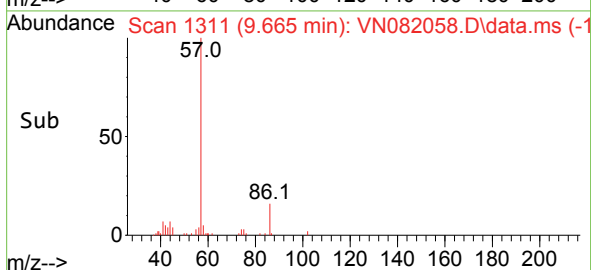
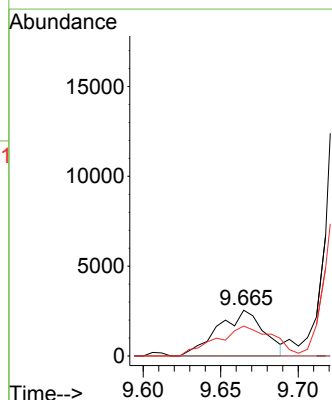
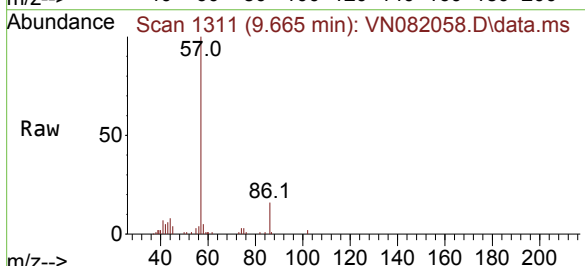
Tgt Ion: 41 Resp: 5251

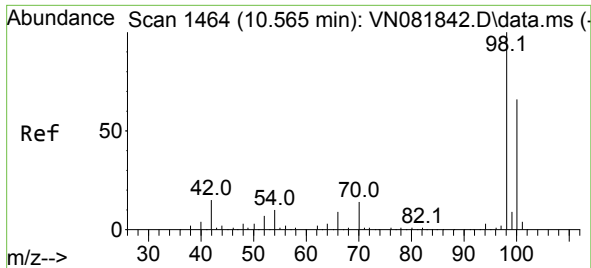
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 79.9 50.9 76.3#

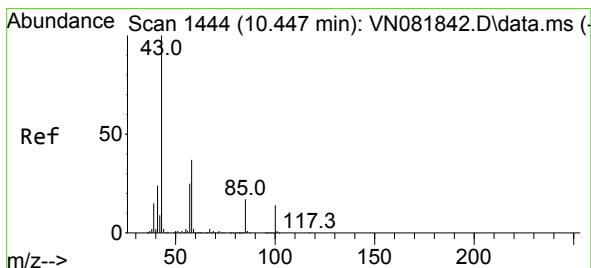
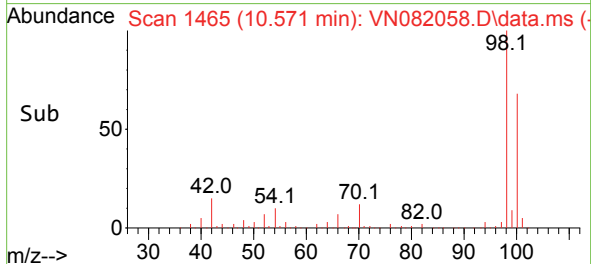
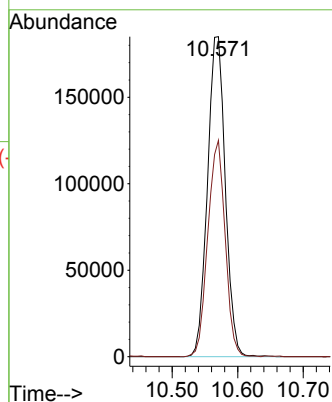
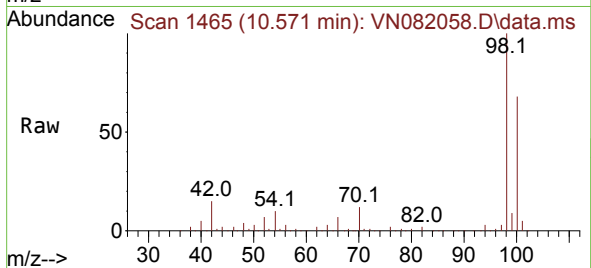




#50
Toluene-d8
Concen: 54.820 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

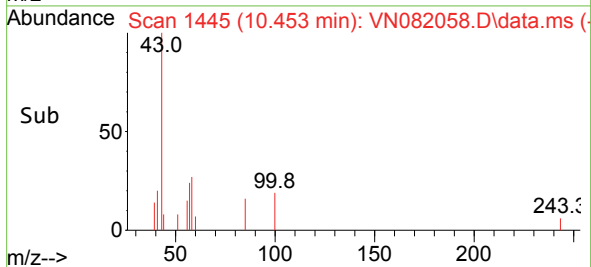
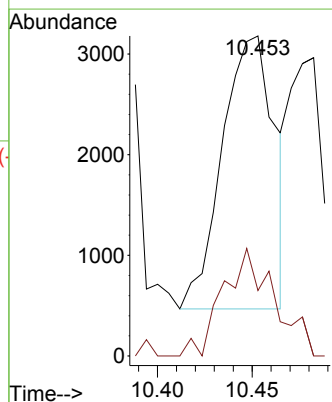
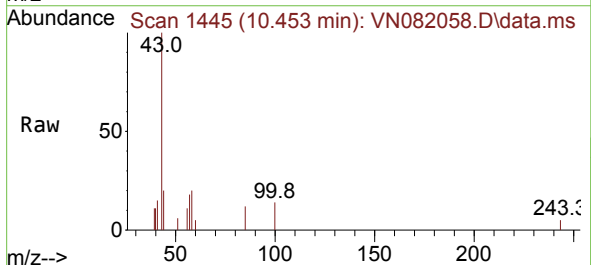
Instrument :
MSVOA_N
ClientSampleId :

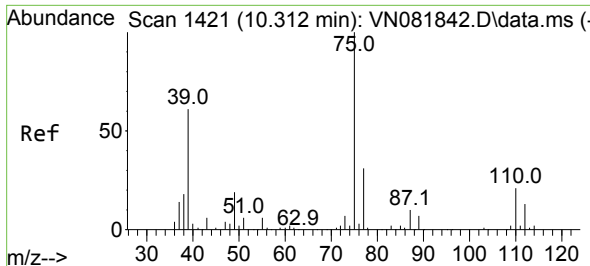
Tgt Ion: 98 Resp: 350278
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.717 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

Tgt Ion: 43 Resp: 5200
Ion Ratio Lower Upper
43 100
58 38.6 33.2 49.8

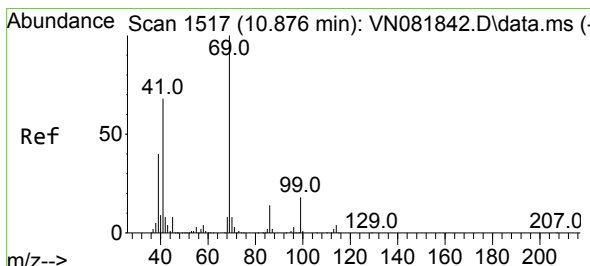
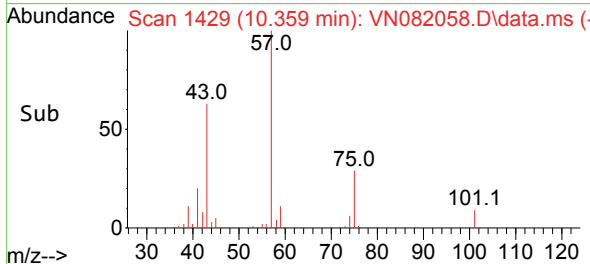
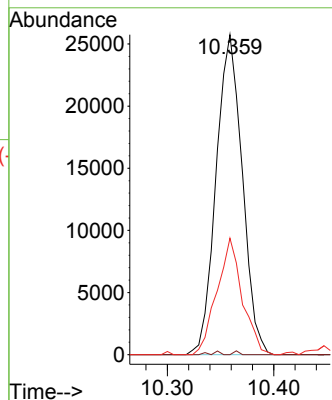
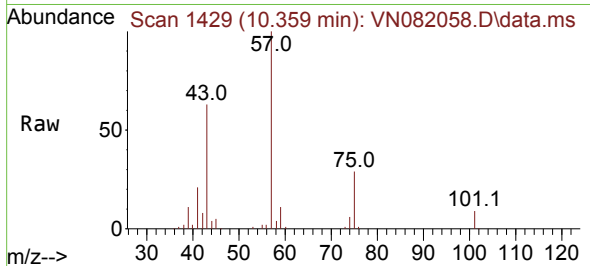




#54
 cis-1,3-Dichloropropene
 Concen: 12.918 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082058.D
 Acq: 09 May 2024 18:10

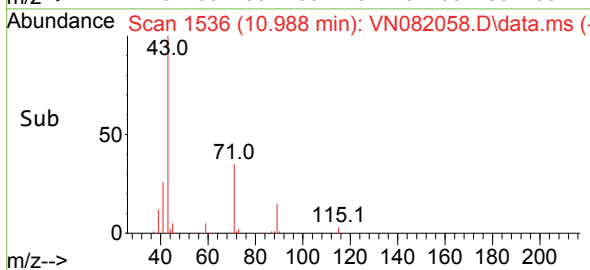
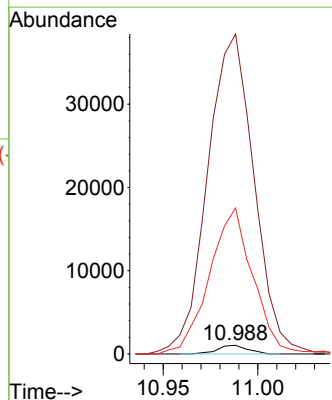
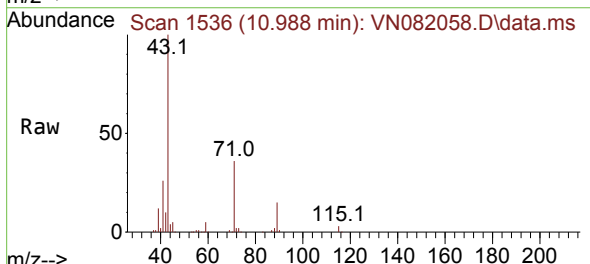
Instrument :
 MSVOA_N
 ClientSampleId :

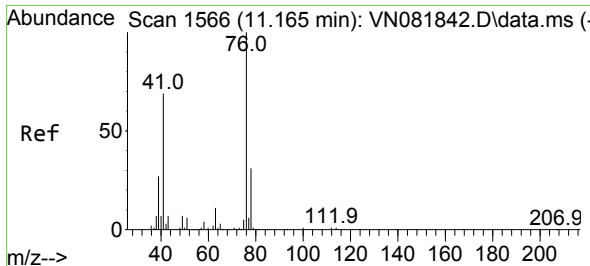
Tgt Ion: 75 Resp: 43910
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 35.4 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.324 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082058.D
 Acq: 09 May 2024 18:10

Tgt Ion: 69 Resp: 1156
 Ion Ratio Lower Upper
 69 100
 41 5700.3 46.6 70.0#
 39 2436.9 26.5 39.7#

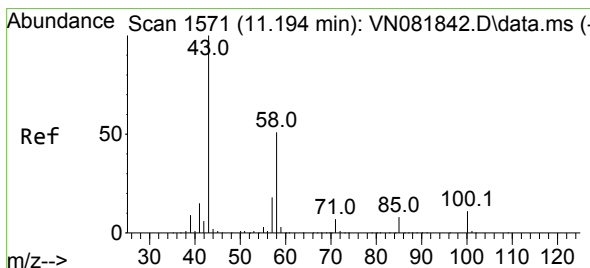
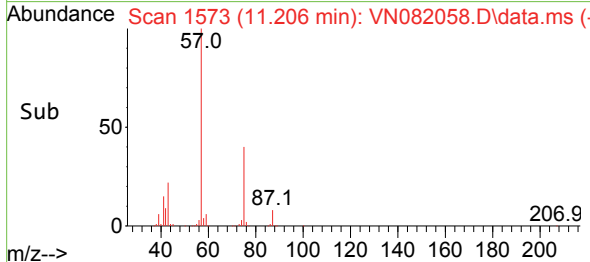
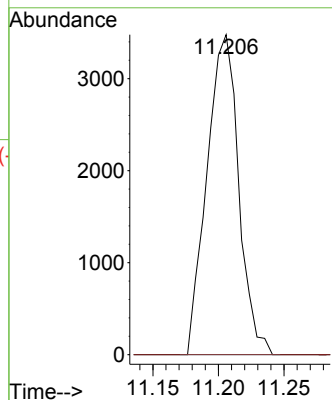
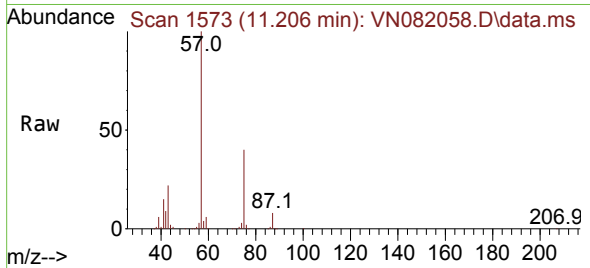




#57
1,3-Dichloropropane
Concen: 1.763 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

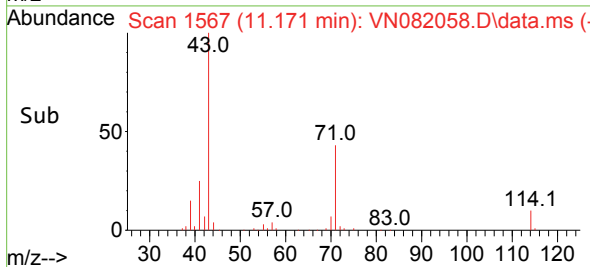
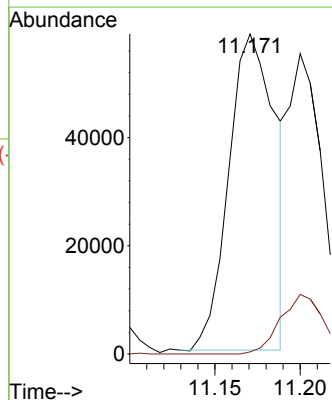
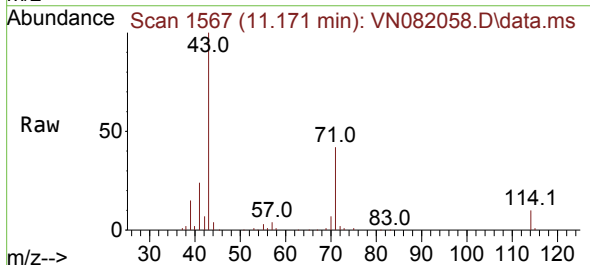
Instrument :
MSVOA_N
ClientSampleId :

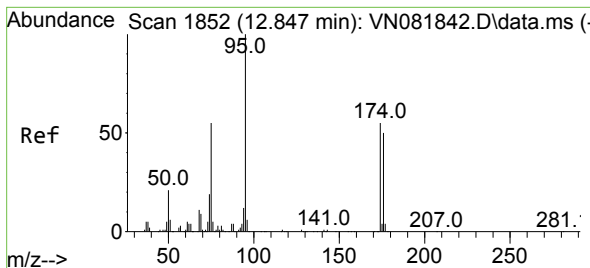
Tgt Ion: 76 Resp: 5865
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 49.050 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

Tgt Ion: 43 Resp: 110573
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

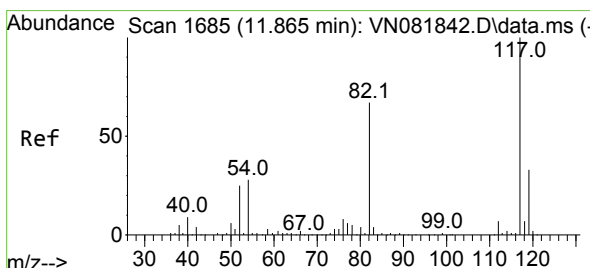
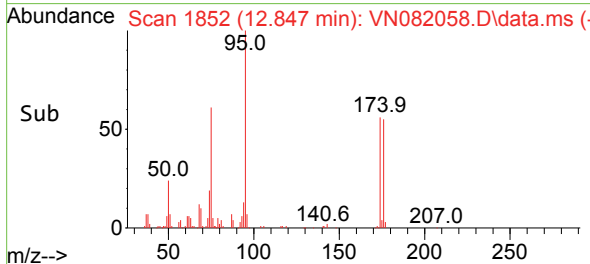
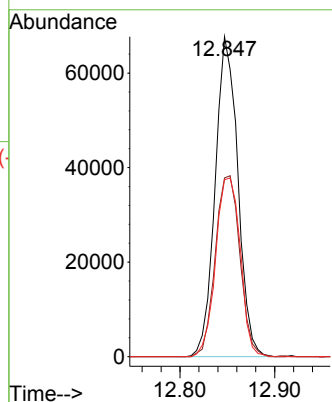
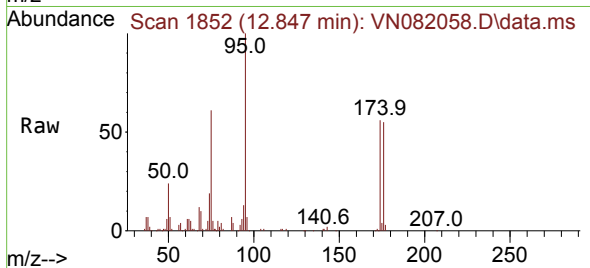




#62
4-Bromofluorobenzene
Concen: 44.582 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

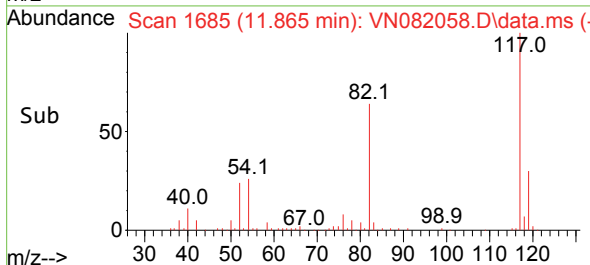
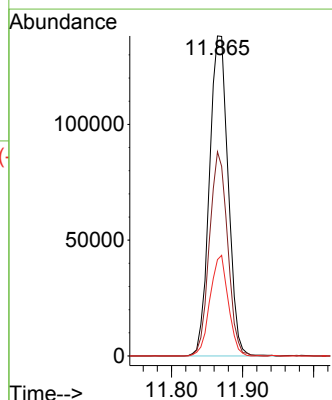
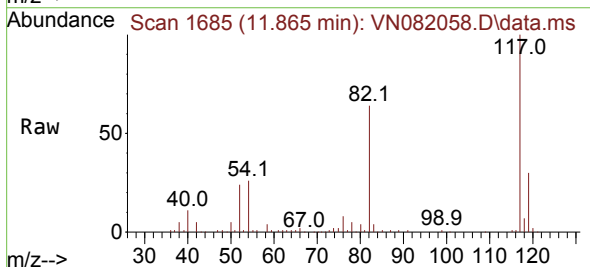
Instrument :
MSVOA_N
ClientSampleId :

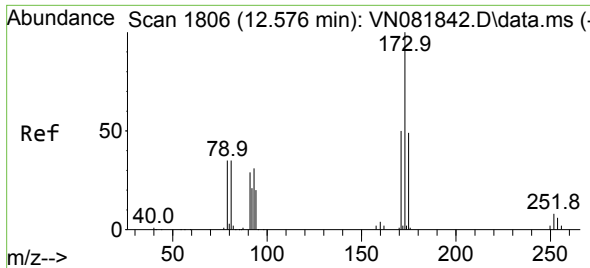
Tgt Ion: 95 Resp: 112607
Ion Ratio Lower Upper
95 100
174 61.5 0.0 160.6
176 60.6 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

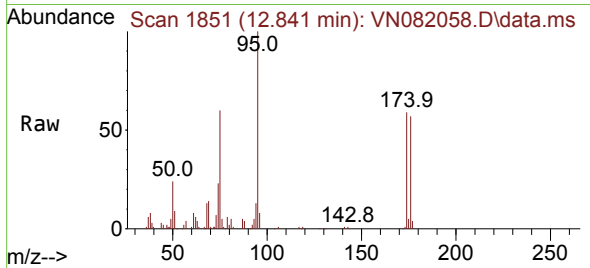
Tgt Ion: 117 Resp: 252697
Ion Ratio Lower Upper
117 100
82 63.8 44.6 66.8
119 30.1 25.9 38.9



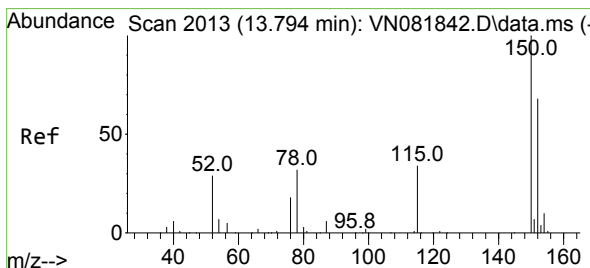
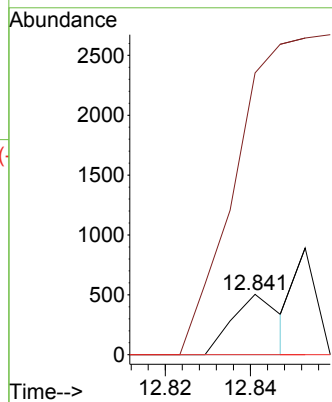
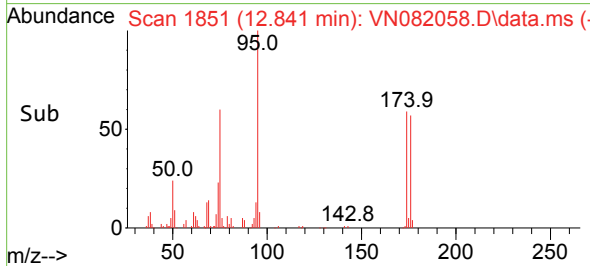


#71
Bromoform
Concen: 0.281 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

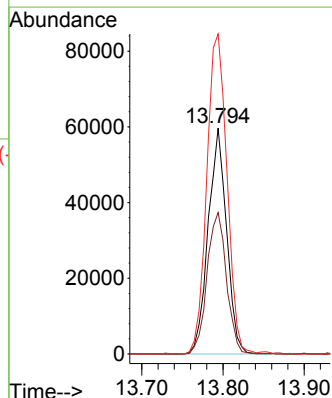
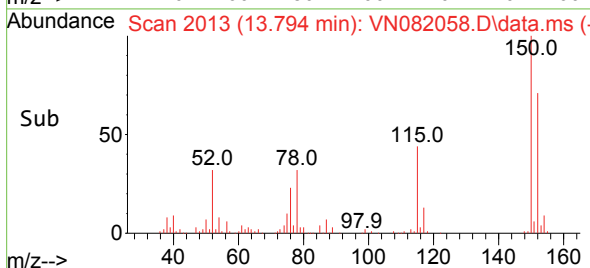
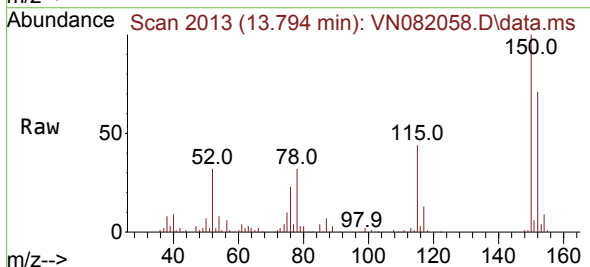


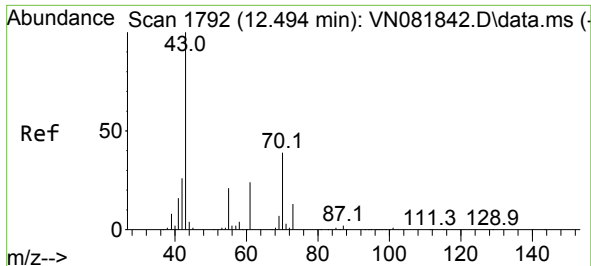
Tgt Ion:173 Resp: 396
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

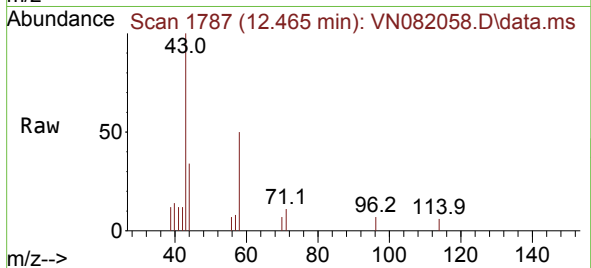
Tgt Ion:152 Resp: 93952
Ion Ratio Lower Upper
152 100
115 65.9 30.4 91.3
150 154.9 0.0 353.2



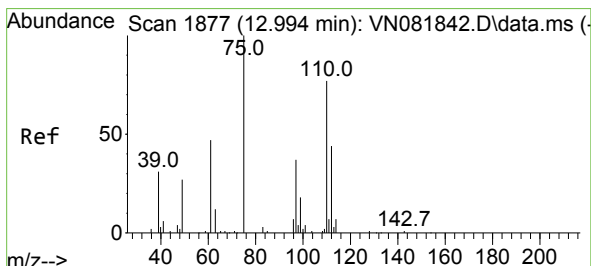
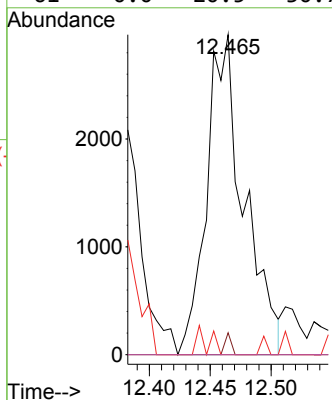
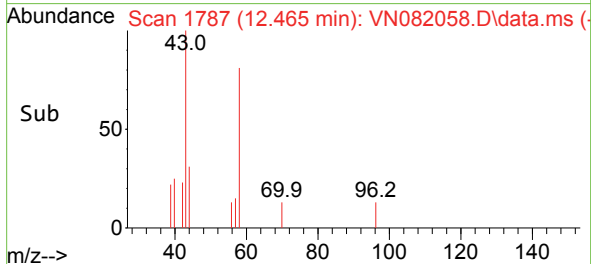


#74
N-amy1 acetate
Concen: 1.353 ug/l
RT: 12.465 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

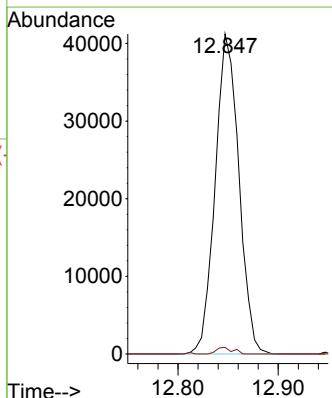
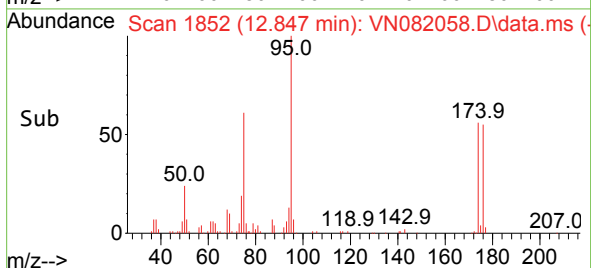
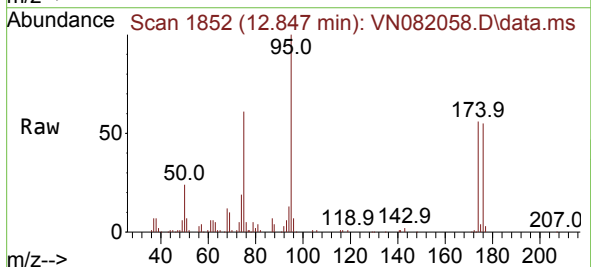


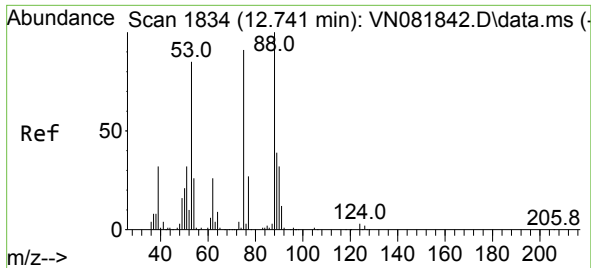
Tgt Ion: 43	Resp: 6290
Ion Ratio	Lower Upper
43	100
70	1.1 39.0 58.4#
55	0.0 21.3 31.9#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 27.757 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082058.D
Acq: 09 May 2024 18:10

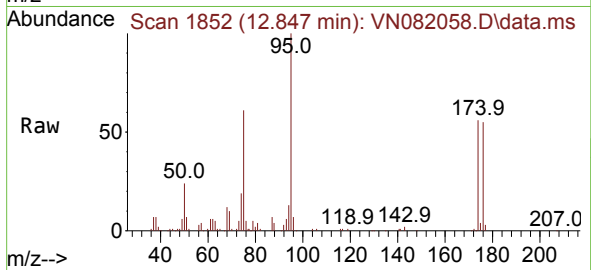
Tgt Ion: 75	Resp: 67615
Ion Ratio	Lower Upper
75	100
77	1.4 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.878 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN082058.D
 Acq: 09 May 2024 18:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	72.9	109.3#
89	0.0	39.1	58.7#

