

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080959.D
 Acq On : 08 Feb 2024 13:22
 Operator : JC\MD
 Sample : P1389-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

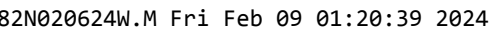
Quant Time: Feb 09 01:20:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:22:23 2024
 Response via : Initial Calibration

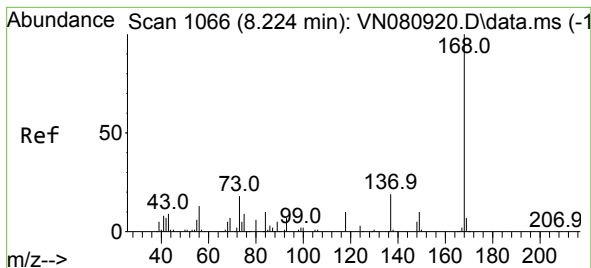
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	253040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	579328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	714546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	368262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	189691	59.425	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.840%	
35) Dibromofluoromethane	8.171	113	173345	55.762	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.520%	
50) Toluene-d8	10.571	98	673147	59.865	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 119.740%#	
62) 4-Bromofluorobenzene	12.853	95	287135	70.294	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 140.580%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3094	Below Cal	#	82
5) Bromomethane	2.977	94	1695	0.704	ug/l	87
11) Tert butyl alcohol	5.524	59	129	0.293	ug/l #	72
13) Acrolein	4.189	56	277	0.500	ug/l #	44
16) Acetone	4.424	43	42430	40.402	ug/l	95
18) Methyl Acetate	5.018	43	2806	Below Cal	#	80
20) Methylene Chloride	5.283	84	11887	3.736	ug/l #	85
25) 2-Butanone	7.500	43	4420	2.622	ug/l #	51
29) Tetrahydrofuran	7.847	42	1130	1.096	ug/l #	73
31) Cyclohexane	8.230	56	6128	1.405	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	23068	4.988	ug/l #	51
37) Ethyl Acetate	7.565	43	7368	2.106	ug/l #	94
38) Carbon Tetrachloride	8.224	117	28751	6.065	ug/l #	17
43) Isopropyl Acetate	8.688	43	247801	38.509	ug/l #	91
45) 1,2-Dichloropropane	9.747	63	3393	0.893	ug/l #	42
48) Methyl methacrylate	9.747	41	211928	58.455	ug/l #	49
49) 1,4-Dioxane	9.735	88	144	2.151	ug/l #	18
51) 4-Methyl-2-Pentanone	10.453	43	11399	2.939	ug/l #	86
54) cis-1,3-Dichloropropene	10.359	75	97790	16.389	ug/l #	62
57) 1,3-Dichloropropane	11.206	76	12809	2.166	ug/l #	44
59) 2-Hexanone	11.171	43	197463	67.183	ug/l #	26
71) Bromoform	12.841	173	1401	0.387	ug/l #	1
74) N-amyl acetate	12.482	43	2832	0.274	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	152992	20.375	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	152992	55.358	ug/l #	14

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

Quant Time: Feb 09 01:20:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 07 06:22:23 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080959.D

Acq: 08 Feb 2024 13:22

Instrument :

MSVOA_N

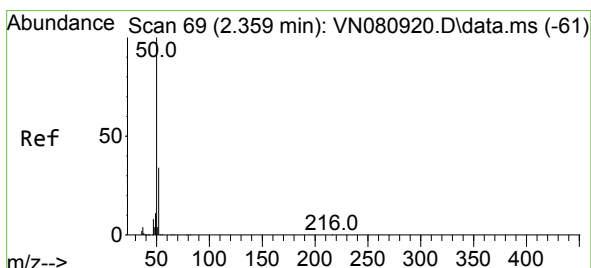
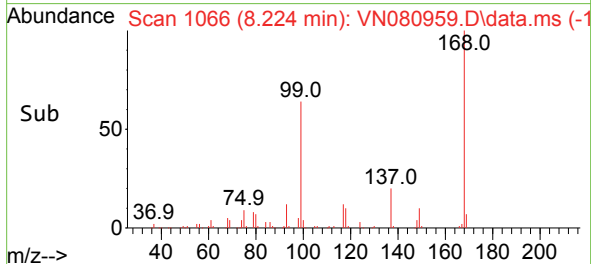
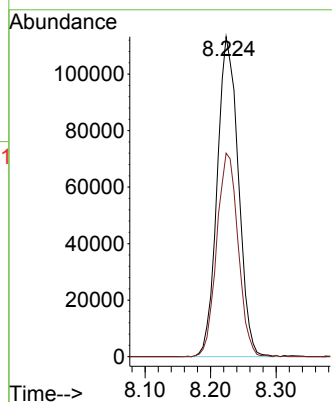
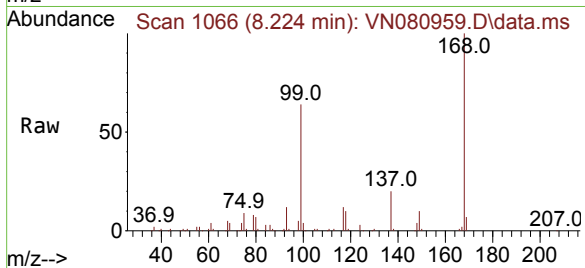
ClientSampleId :

Tgt Ion:168 Resp: 253040

Ion Ratio Lower Upper

168 100

99 63.6 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080959.D

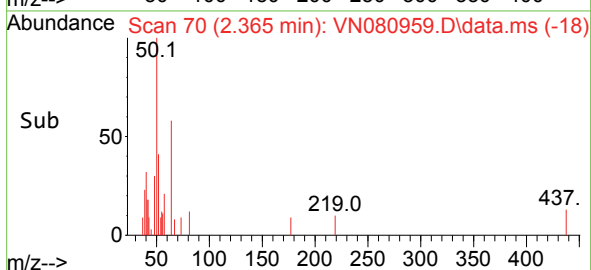
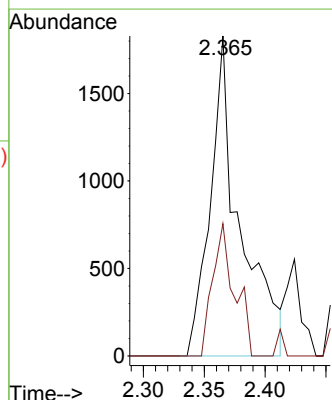
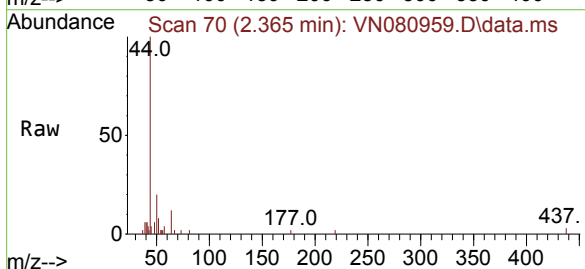
Acq: 08 Feb 2024 13:22

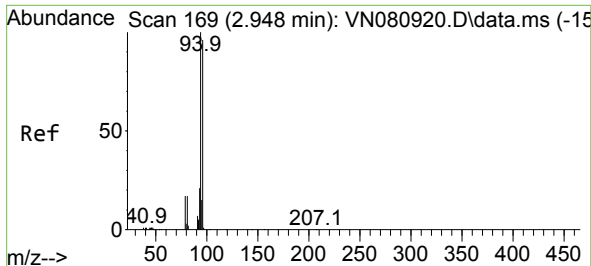
Tgt Ion: 50 Resp: 3094

Ion Ratio Lower Upper

50 100

52 41.3 25.0 37.4#

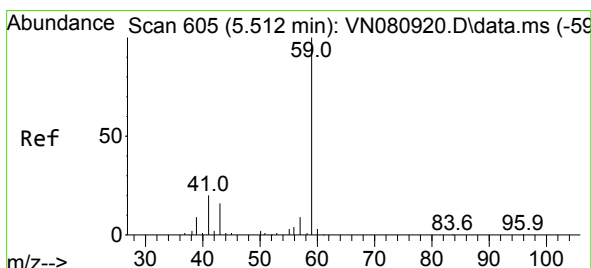
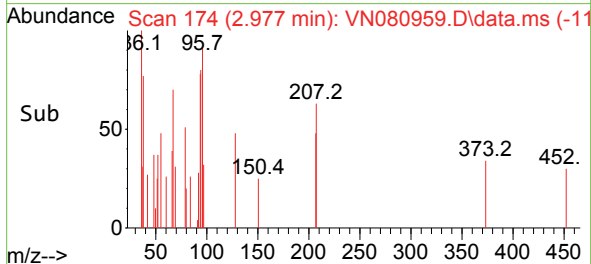
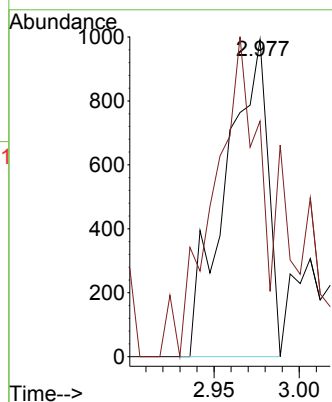
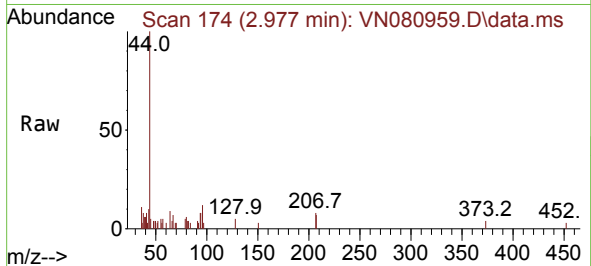




#5
Bromomethane
Concen: 0.704 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

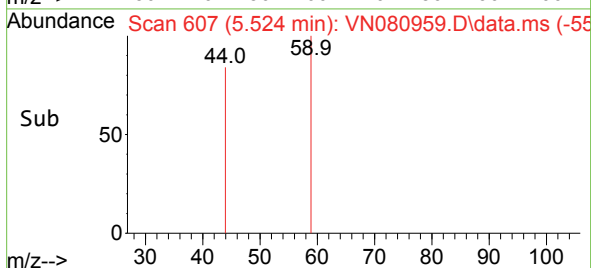
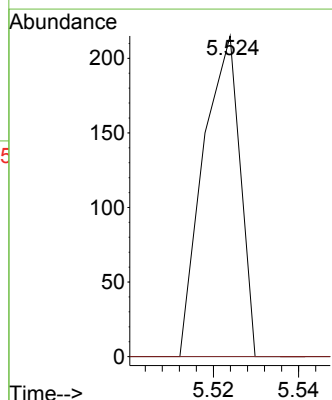
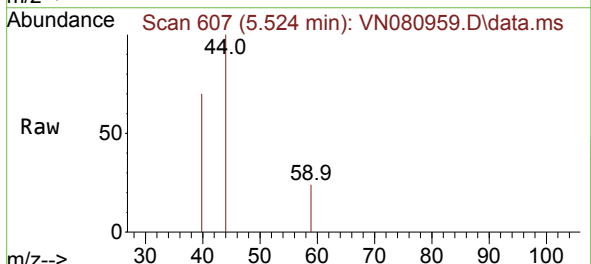
Instrument :
MSVOA_N
ClientSampleId :

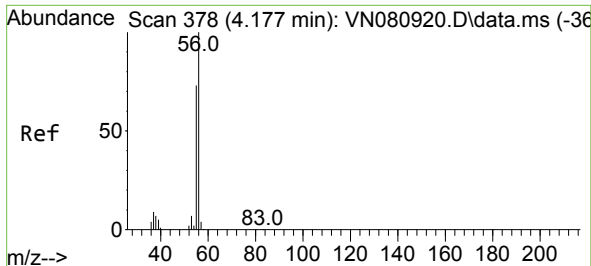
Tgt Ion: 94 Resp: 1695
Ion Ratio Lower Upper
94 100
96 74.3 69.2 103.8



#11
Tert butyl alcohol
Concen: 0.293 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.500 ug/l

RT: 4.189 min Scan# 378

Delta R.T. 0.012 min

Lab File: VN080959.D

Acq: 08 Feb 2024 13:22

Instrument :

MSVOA_N

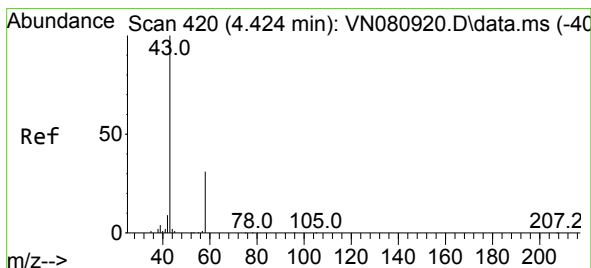
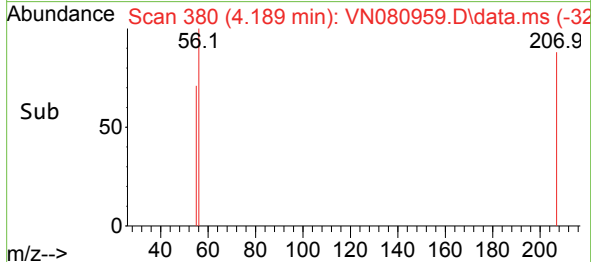
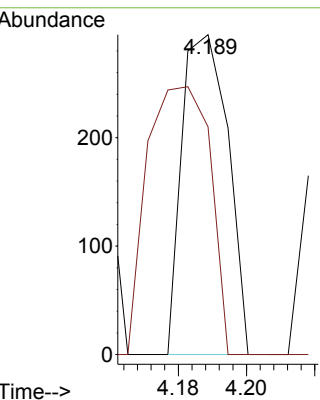
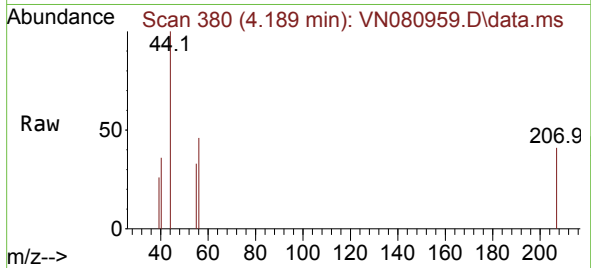
ClientSampleId :

Tgt Ion: 56 Resp: 277

Ion Ratio Lower Upper

56 100

55 114.4 55.3 82.9#



#16

Acetone

Concen: 40.402 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN080959.D

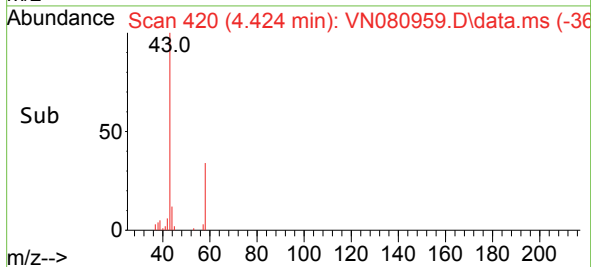
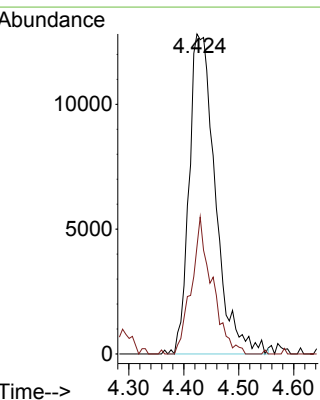
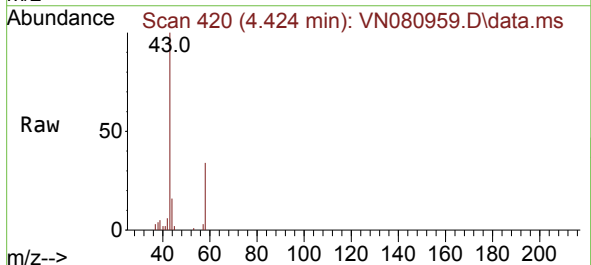
Acq: 08 Feb 2024 13:22

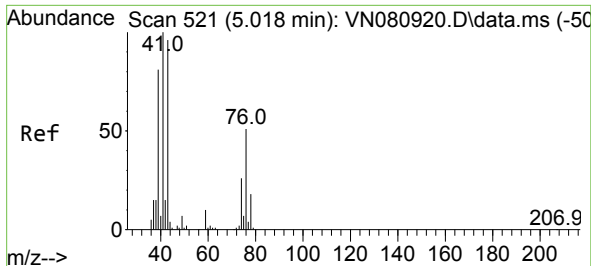
Tgt Ion: 43 Resp: 42430

Ion Ratio Lower Upper

43 100

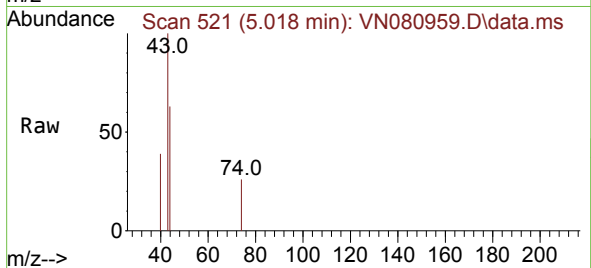
58 33.7 24.8 37.2



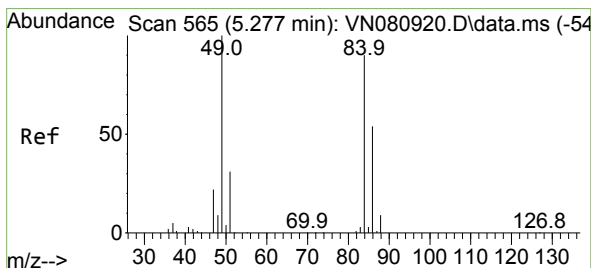
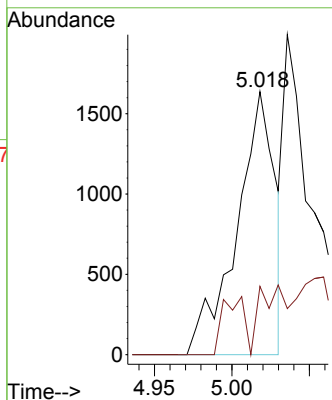
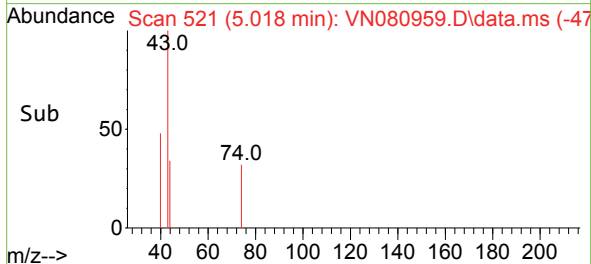


#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Instrument :
MSVOA_N
ClientSampleId :

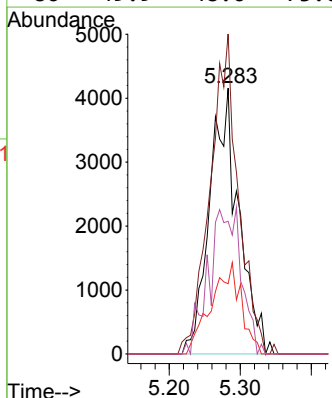
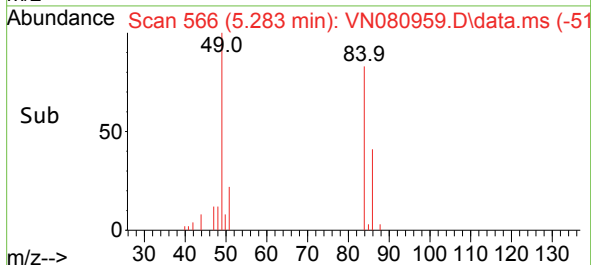
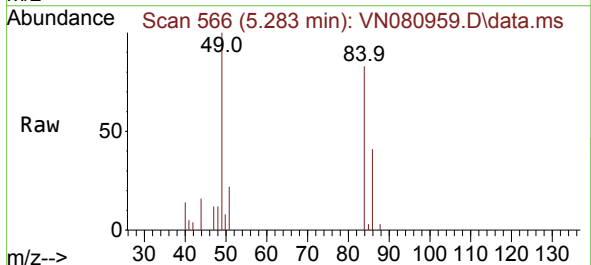


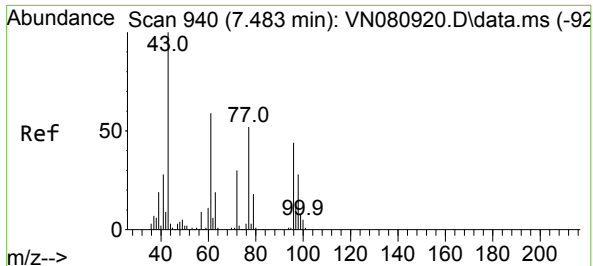
Tgt Ion: 43 Resp: 2806
Ion Ratio Lower Upper
43 100
74 12.3 17.3 25.9#



#20
Methylene Chloride
Concen: 3.736 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Tgt Ion: 84 Resp: 11887
Ion Ratio Lower Upper
84 100
49 120.4 108.1 162.1
51 26.5 32.9 49.3#
86 49.9 48.6 73.0

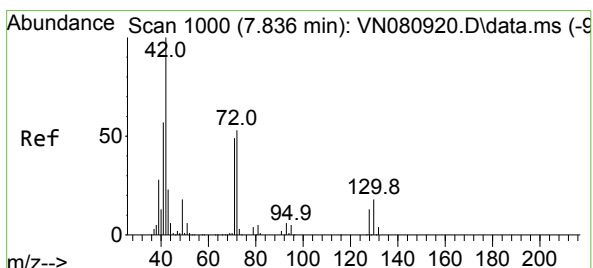
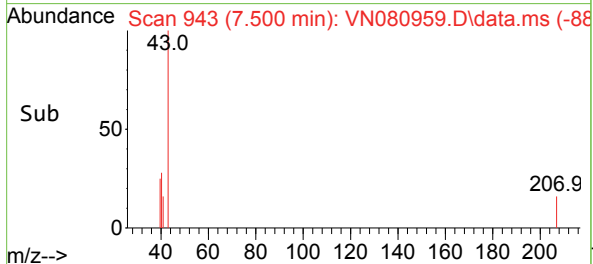
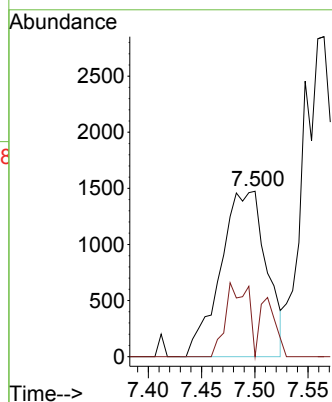
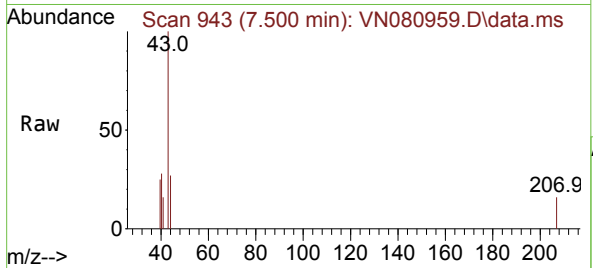




#25
2-Butanone
Concen: 2.622 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

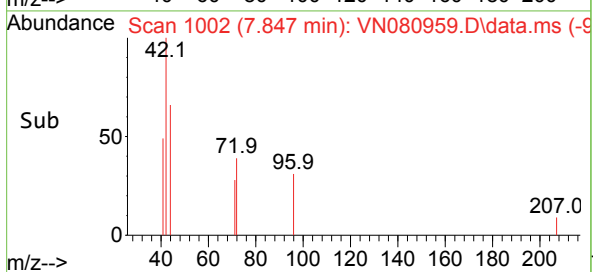
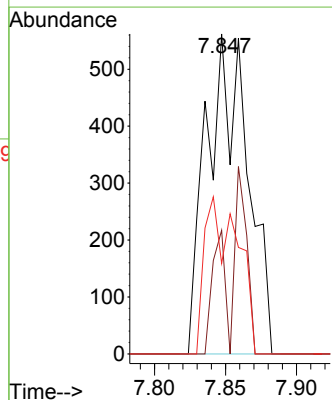
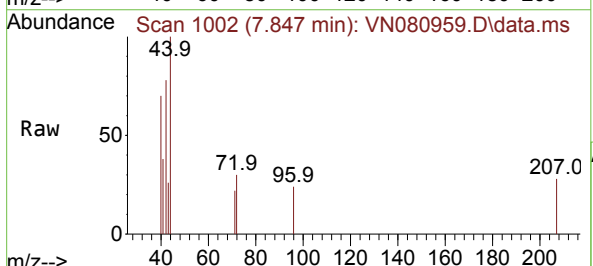
Instrument :
MSVOA_N
ClientSampleId :

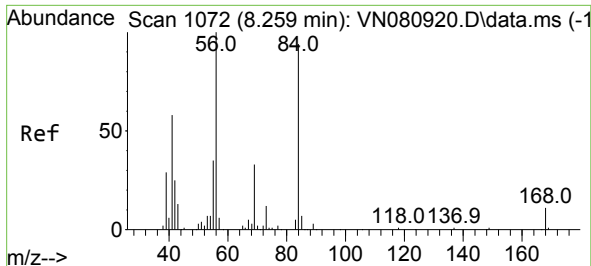
Tgt Ion: 43 Resp: 4420
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



#29
Tetrahydrofuran
Concen: 1.096 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

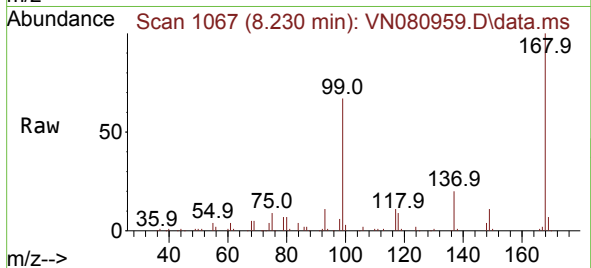
Tgt Ion: 42 Resp: 1130
Ion Ratio Lower Upper
42 100
72 11.9 31.1 46.7#
71 39.6 28.3 42.5



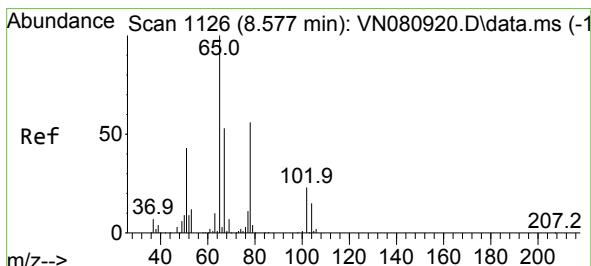
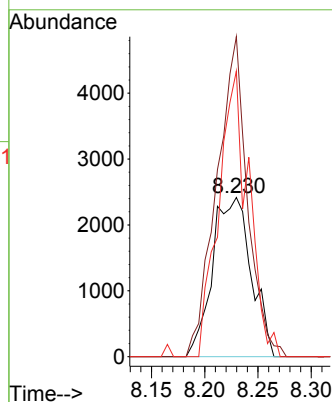
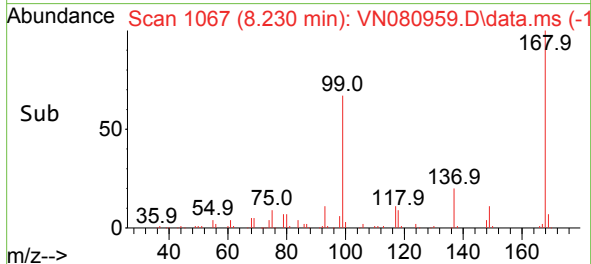


#31
Cyclohexane
Concen: 1.405 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Instrument :
MSVOA_N
ClientSampleId :

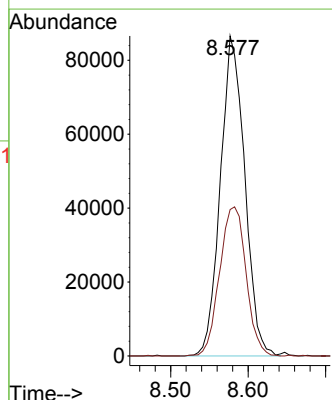
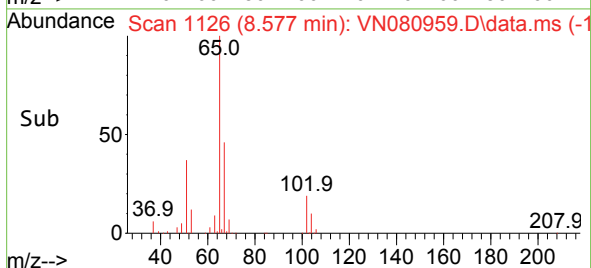
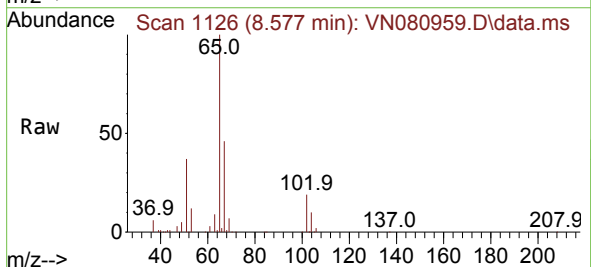


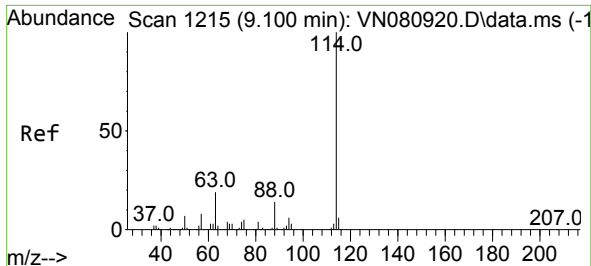
Tgt Ion: 56 Resp: 6128
Ion Ratio Lower Upper
56 100
69 200.9 20.1 30.1#
84 179.4 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 59.425 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Tgt Ion: 65 Resp: 189691
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.4

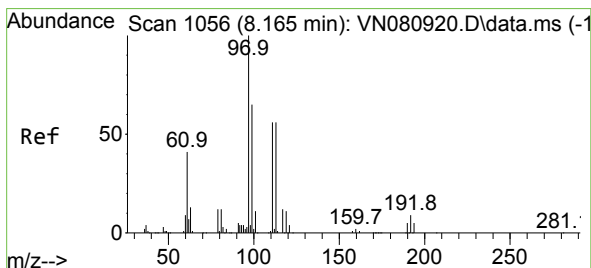
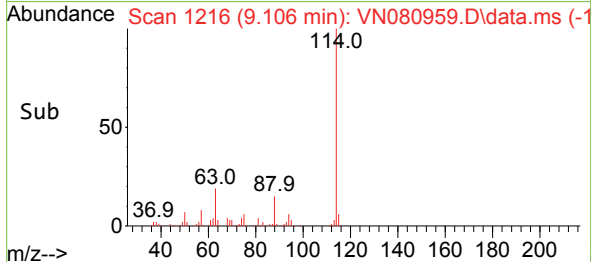
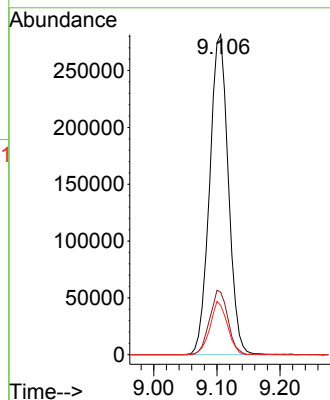
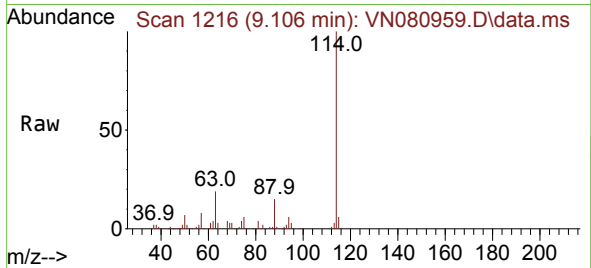




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

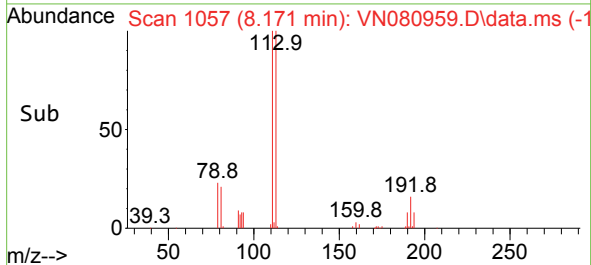
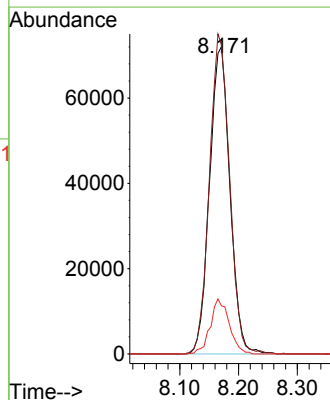
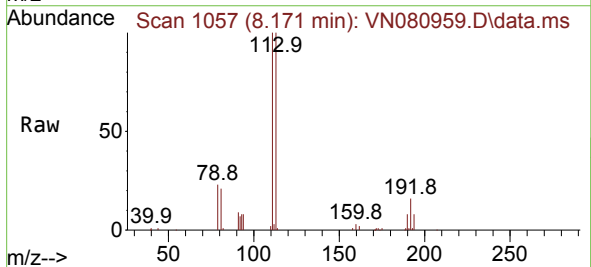
Instrument :
MSVOA_N
ClientSampleId :

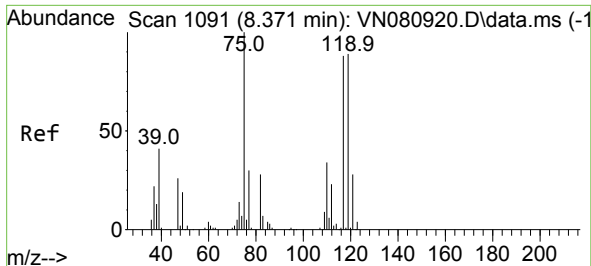
Tgt Ion:114 Resp: 579328
Ion Ratio Lower Upper
114 100
63 19.5 0.0 48.0
88 15.4 0.0 34.8



#35
Dibromofluoromethane
Concen: 55.762 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

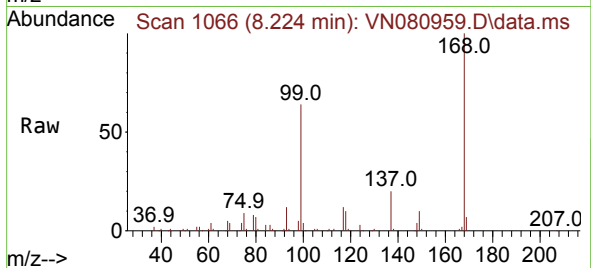
Tgt Ion:113 Resp: 173345
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 16.7 12.5 18.7



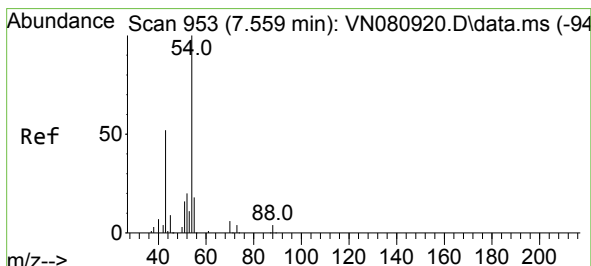
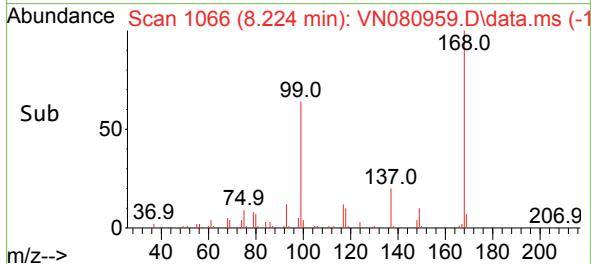
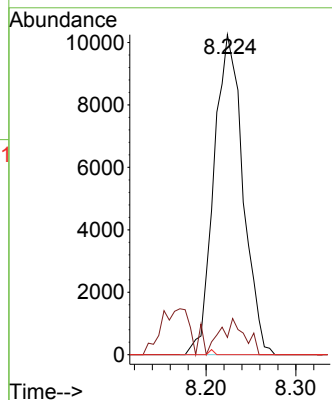


#36
1,1-Dichloropropene
Concen: 4.988 ug/l
RT: 8.224 min Scan# 1091
Delta R.T. -0.147 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Instrument :
MSVOA_N
ClientSampleId :

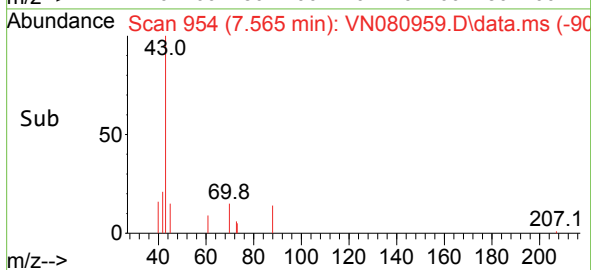
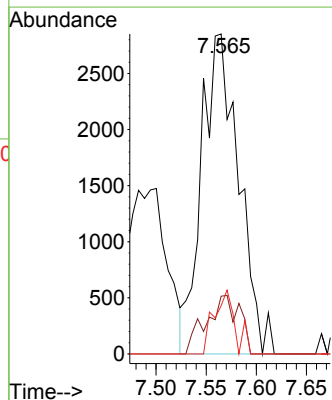
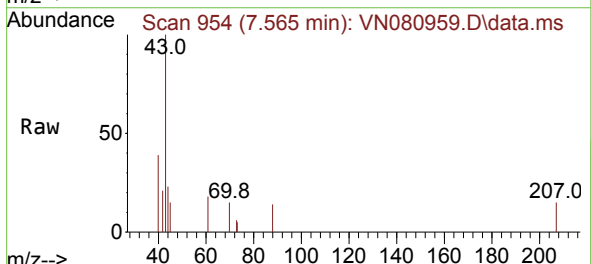


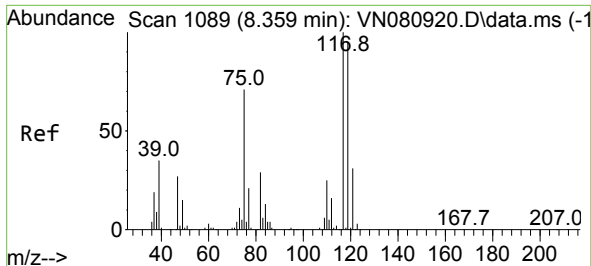
Tgt Ion: 75 Resp: 23068
Ion Ratio Lower Upper
75 100
110 9.5 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 2.106 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

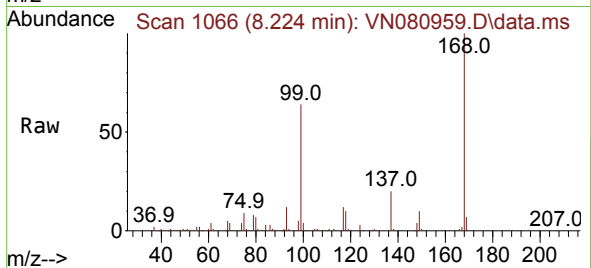
Tgt Ion: 43 Resp: 7368
Ion Ratio Lower Upper
43 100
61 16.3 10.6 15.8#
70 11.3 8.0 12.0



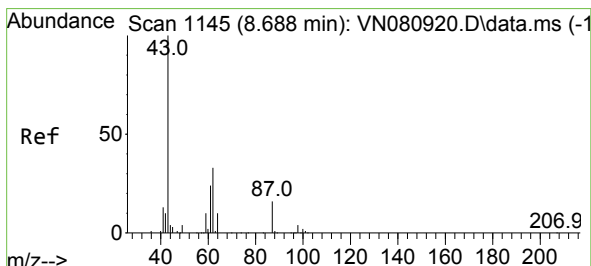
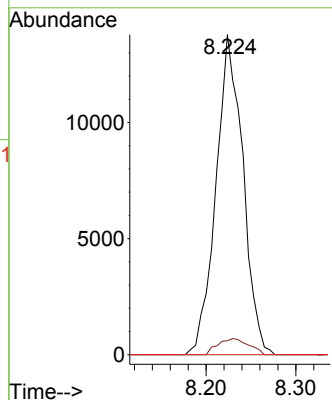
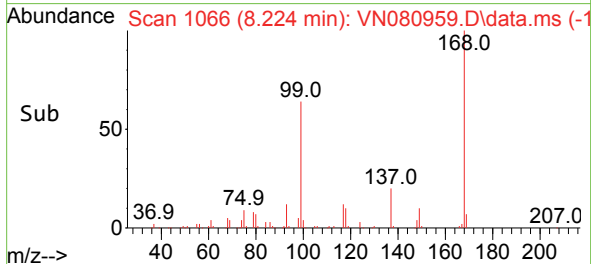


#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Instrument :
MSVOA_N
ClientSampleId :

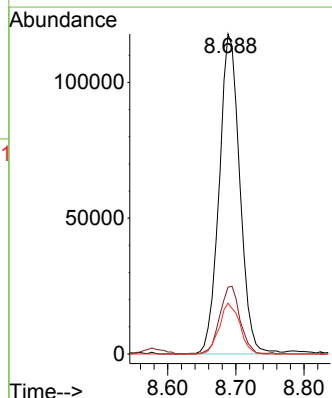
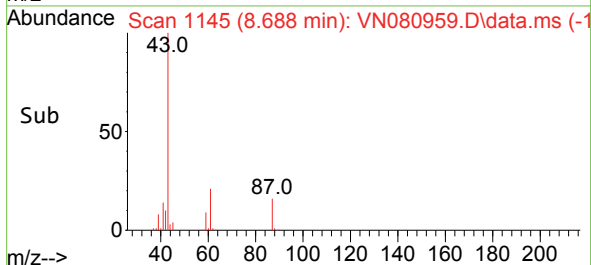
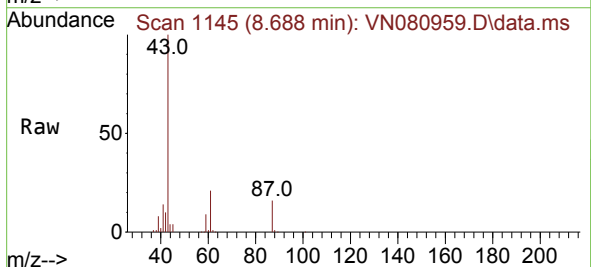


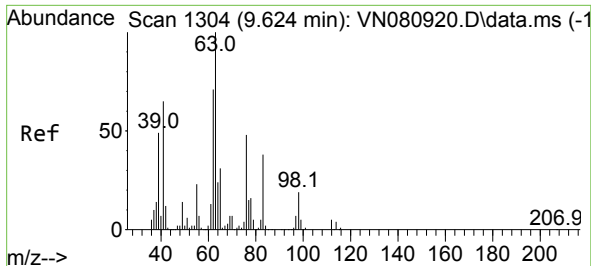
Tgt Ion:117 Resp: 28751
Ion Ratio Lower Upper
117 100
119 4.3 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 38.509 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Tgt Ion: 43 Resp: 247801
Ion Ratio Lower Upper
43 100
61 20.8 19.9 29.9
87 15.8 9.0 13.6#

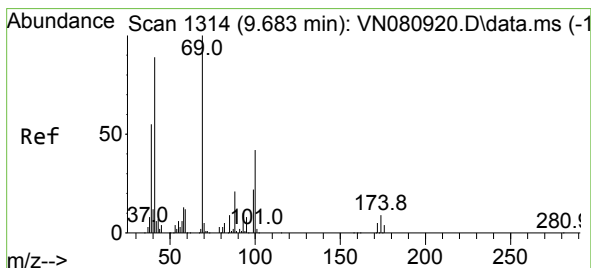
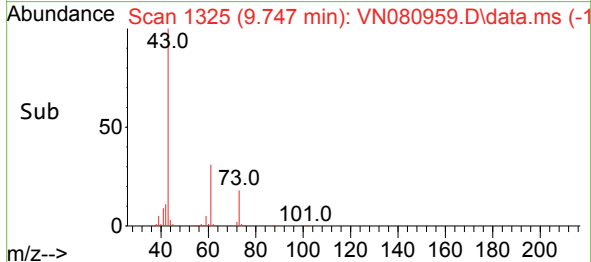
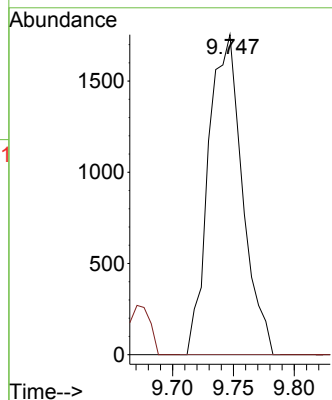
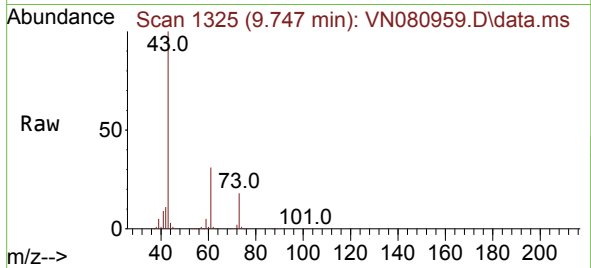




#45
1,2-Dichloropropane
Concen: 0.893 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

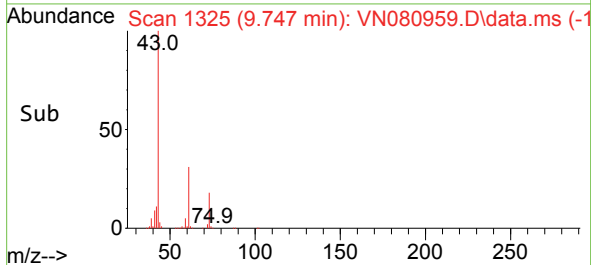
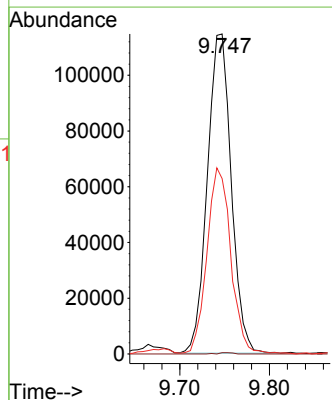
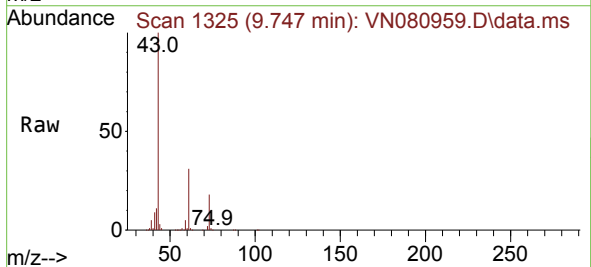
Instrument :
MSVOA_N
ClientSampleId :

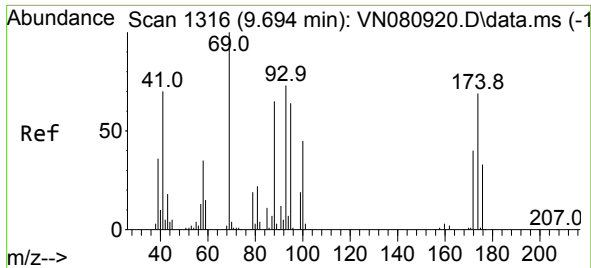
Tgt Ion: 63 Resp: 3393
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 58.455 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

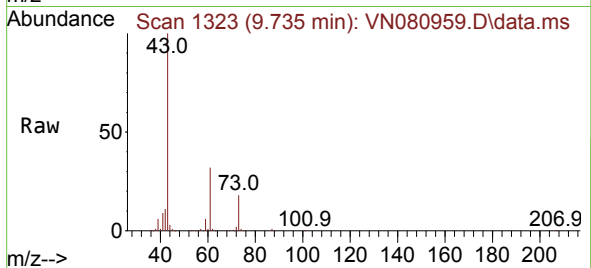
Tgt Ion: 41 Resp: 211928
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.2#
39 58.5 47.6 71.4



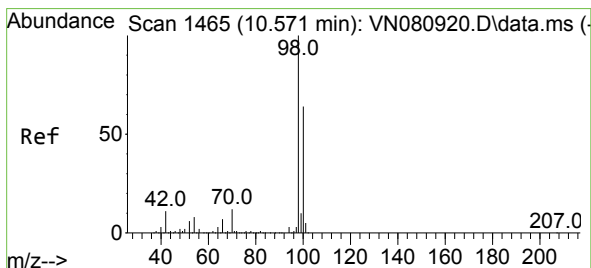
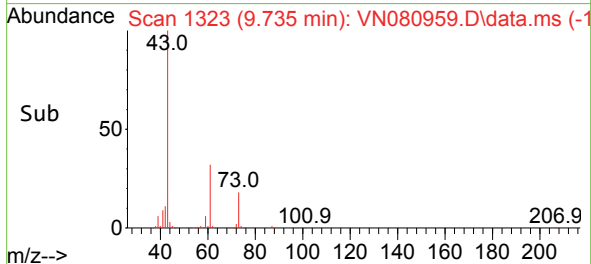
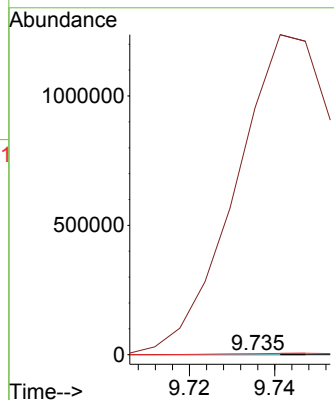


#49
1,4-Dioxane
Concen: 2.151 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Instrument :
MSVOA_N
ClientSampleId :

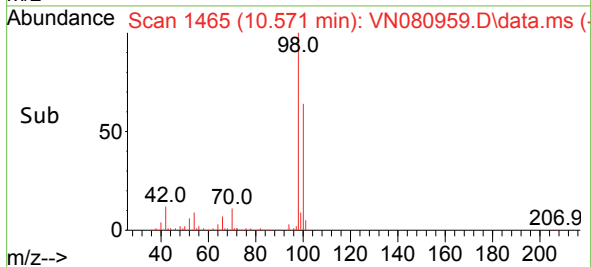
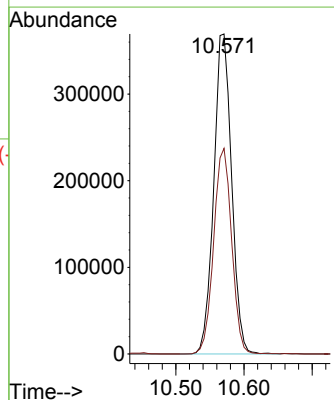
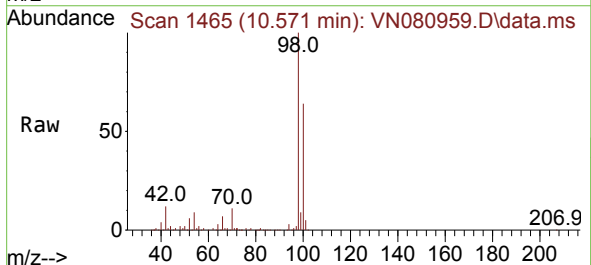


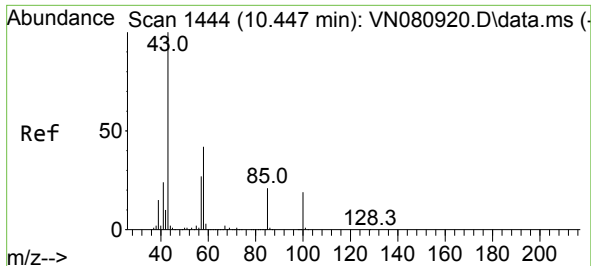
Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#



#50
Toluene-d8
Concen: 59.865 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Tgt Ion: 98 Resp: 673147
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0

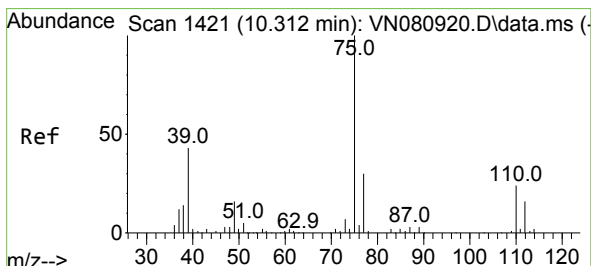
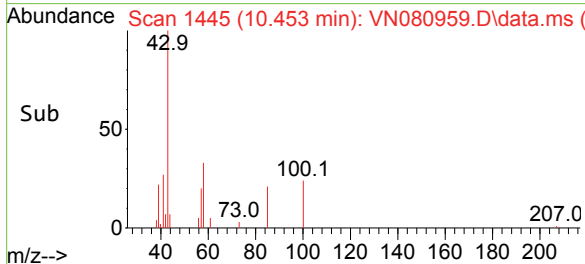
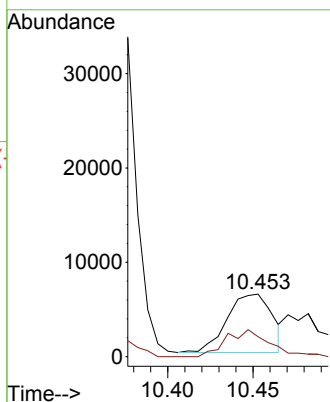
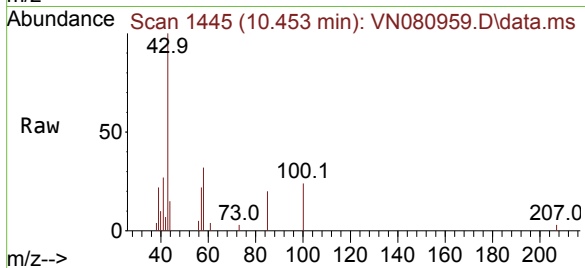




#51
4-Methyl-2-Pentanone
Concen: 2.939 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

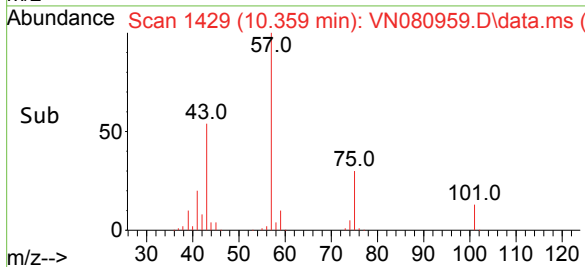
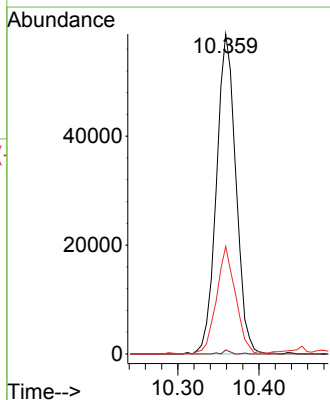
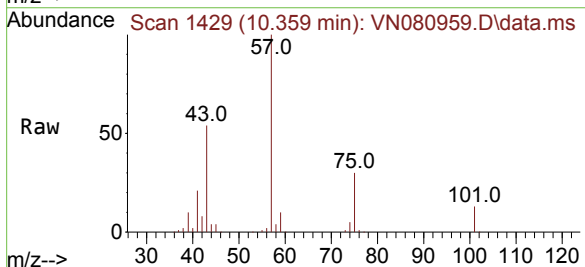
Instrument :
MSVOA_N
ClientSampleId :

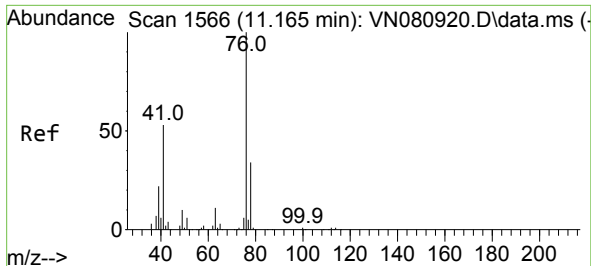
Tgt Ion: 43 Resp: 11399
Ion Ratio Lower Upper
43 100
58 45.1 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 16.389 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Tgt Ion: 75 Resp: 97790
Ion Ratio Lower Upper
75 100
77 1.3 23.3 34.9#
39 33.6 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 2.166 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

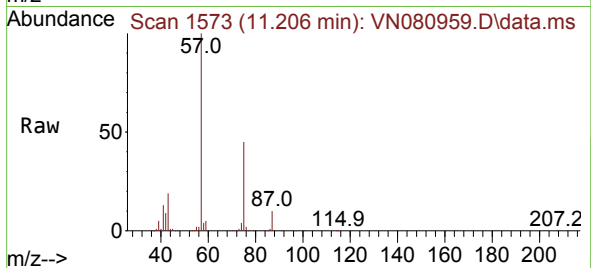
Lab File: VN080959.D

Acq: 08 Feb 2024 13:22

Instrument :

MSVOA_N

ClientSampleId :

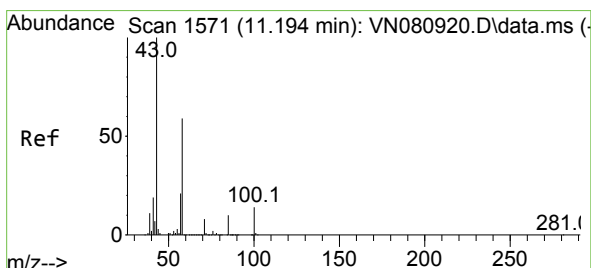
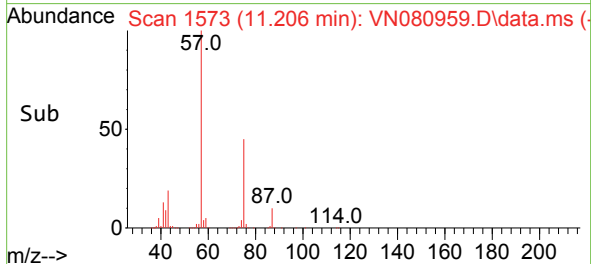
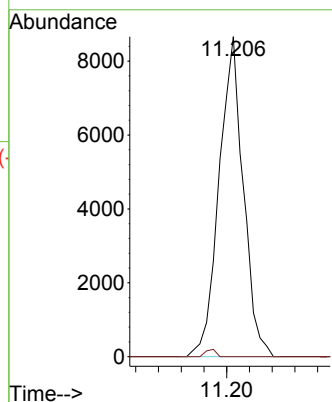


Tgt Ion: 76 Resp: 12809

Ion Ratio Lower Upper

76 100

78 1.0 25.5 38.3#



#59

2-Hexanone

Concen: 67.183 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN080959.D

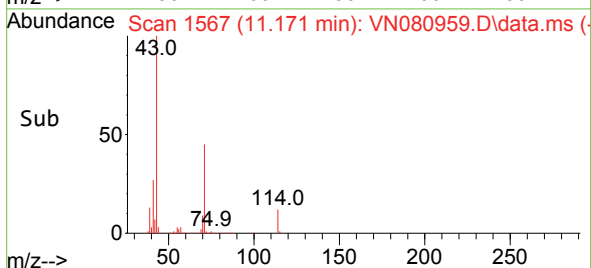
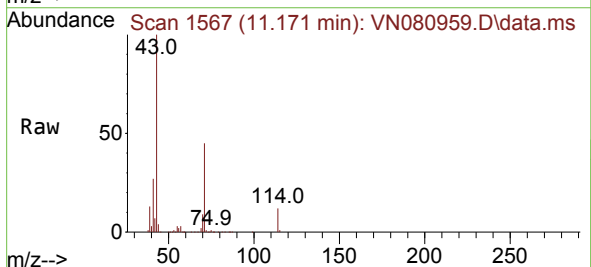
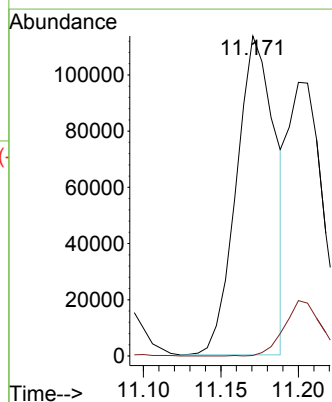
Acq: 08 Feb 2024 13:22

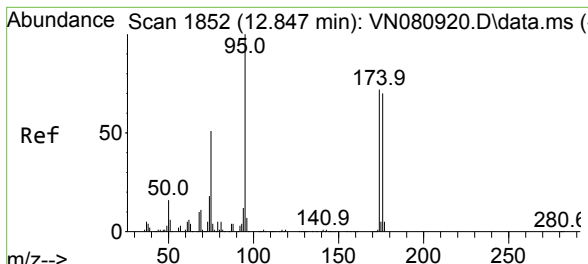
Tgt Ion: 43 Resp: 197463

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

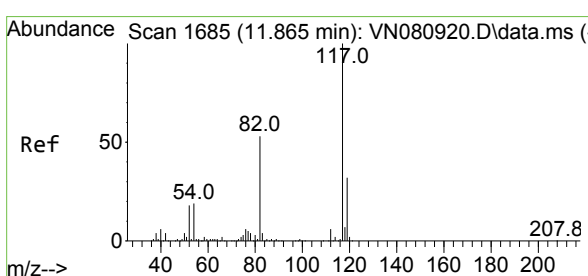
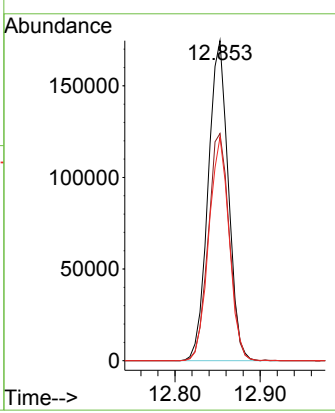
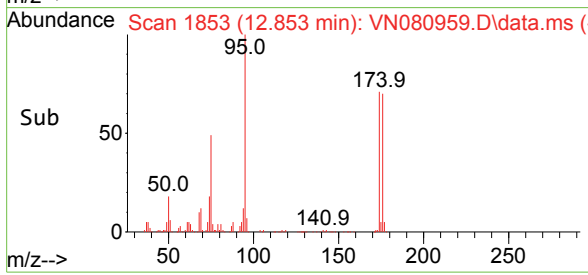
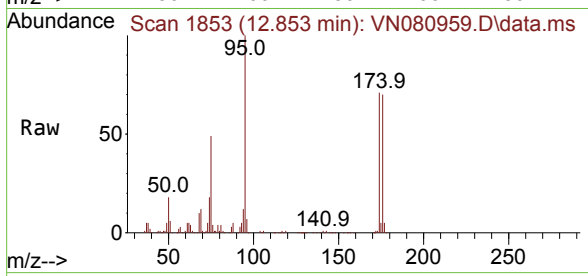




#62
 4-Bromofluorobenzene
 Concen: 70.294 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN080959.D
 Acq: 08 Feb 2024 13:22

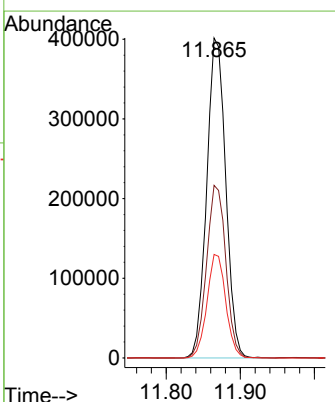
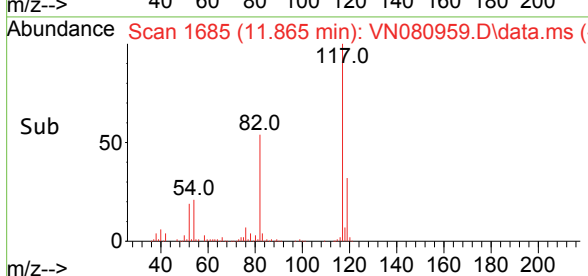
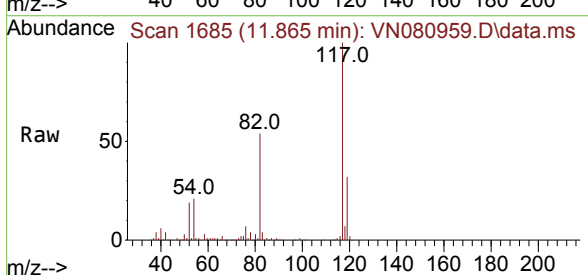
Instrument :
 MSVOA_N
 ClientSampleId :

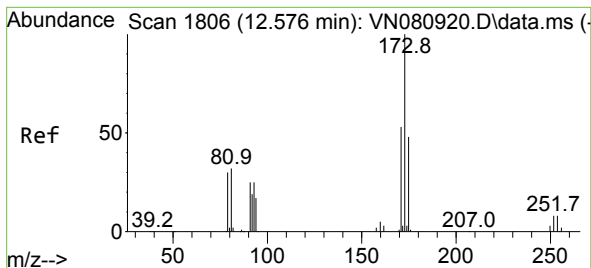
Tgt Ion:	95	Resp:	287135
Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	120.4
176	70.4	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN080959.D
 Acq: 08 Feb 2024 13:22

Tgt Ion:	117	Resp:	714546
Ion	Ratio	Lower	Upper
117	100		
82	53.9	52.7	79.1
119	32.4	25.3	37.9





#71

Bromoform

Concen: 0.387 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN080959.D

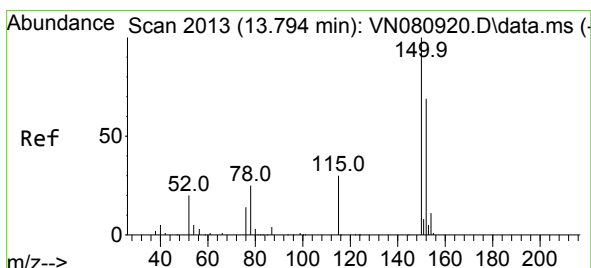
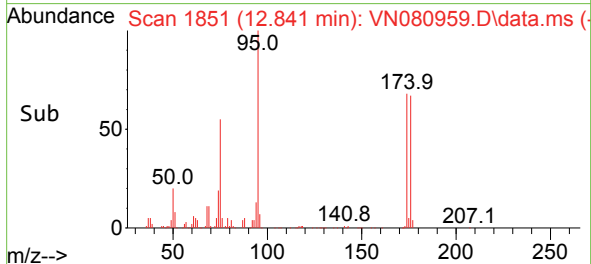
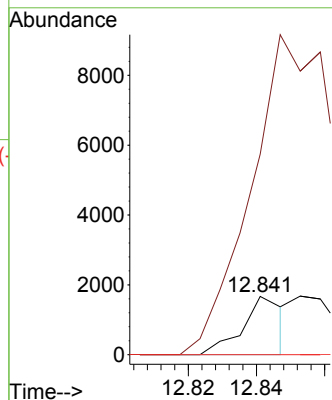
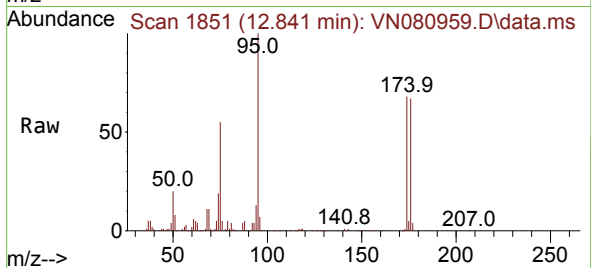
Acq: 08 Feb 2024 13:22

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1401
 Ion Ratio Lower Upper
 173 100
 175 726.2 23.1 69.2#
 254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

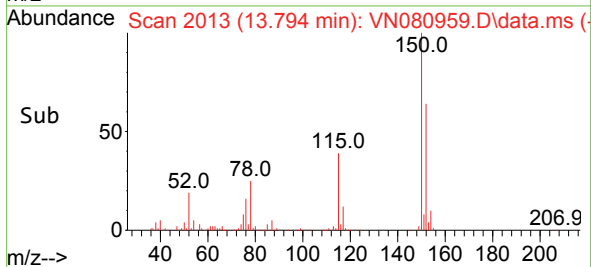
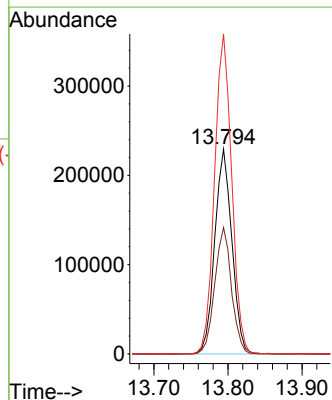
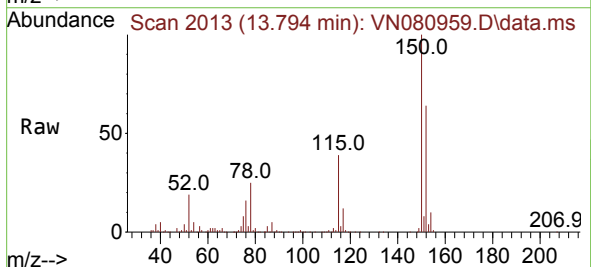
RT: 13.794 min Scan# 2013

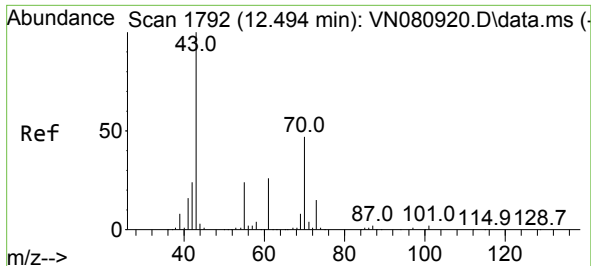
Delta R.T. -0.000 min

Lab File: VN080959.D

Acq: 08 Feb 2024 13:22

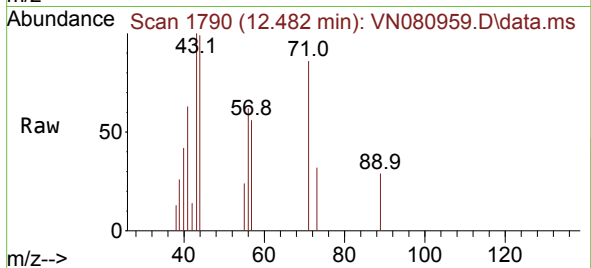
Tgt Ion:152 Resp: 368262
 Ion Ratio Lower Upper
 152 100
 115 60.3 32.3 96.8
 150 156.3 0.0 339.8



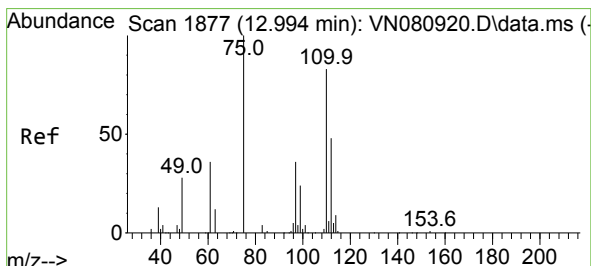
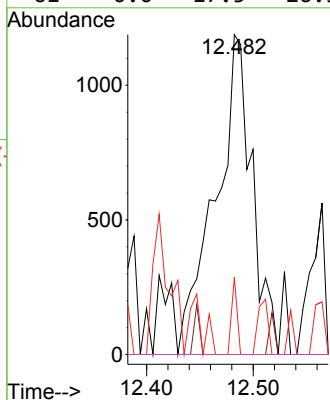
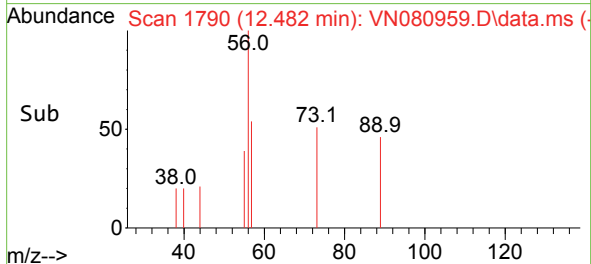


#74
N-amy1 acetate
Concen: 0.274 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

Instrument :
MSVOA_N
ClientSampleId :

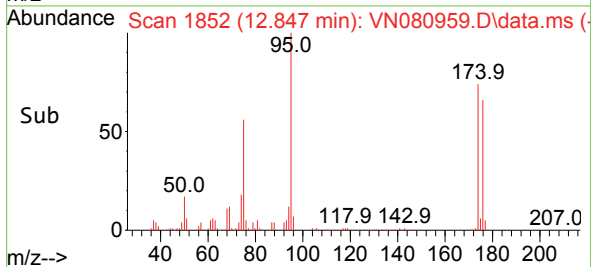
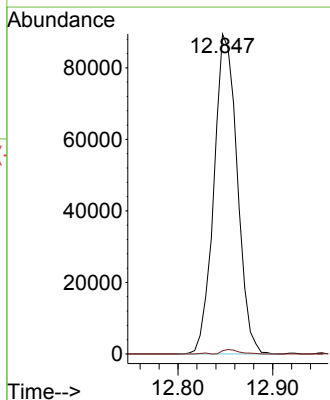
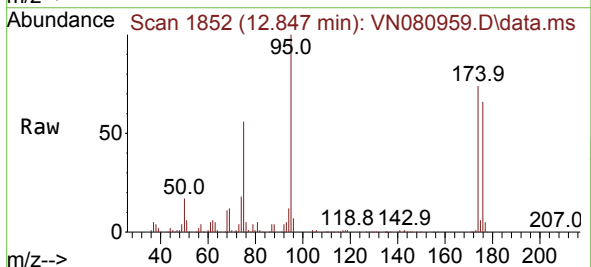


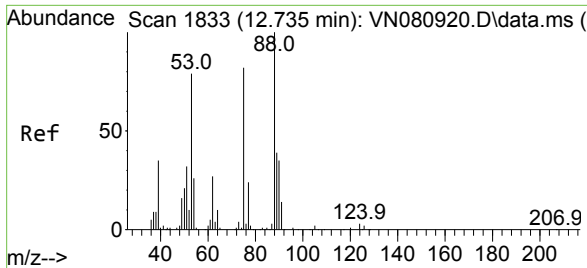
Tgt Ion: 43 Resp: 2832
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 3.6 17.0 25.4#
61 0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 20.375 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080959.D
Acq: 08 Feb 2024 13:22

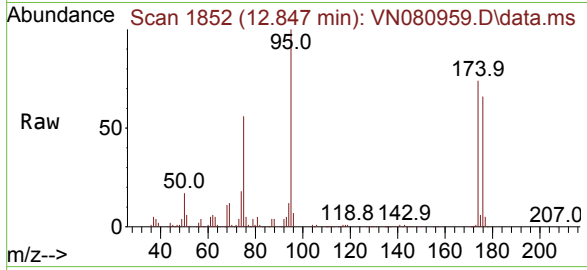
Tgt Ion: 75 Resp: 152992
Ion Ratio Lower Upper
75 100
77 1.0 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.358 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080959.D
 Acq: 08 Feb 2024 13:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 152992
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

