

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080961.D
 Acq On : 08 Feb 2024 14:10
 Operator : JC\MD
 Sample : P1389-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 01:21:16 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

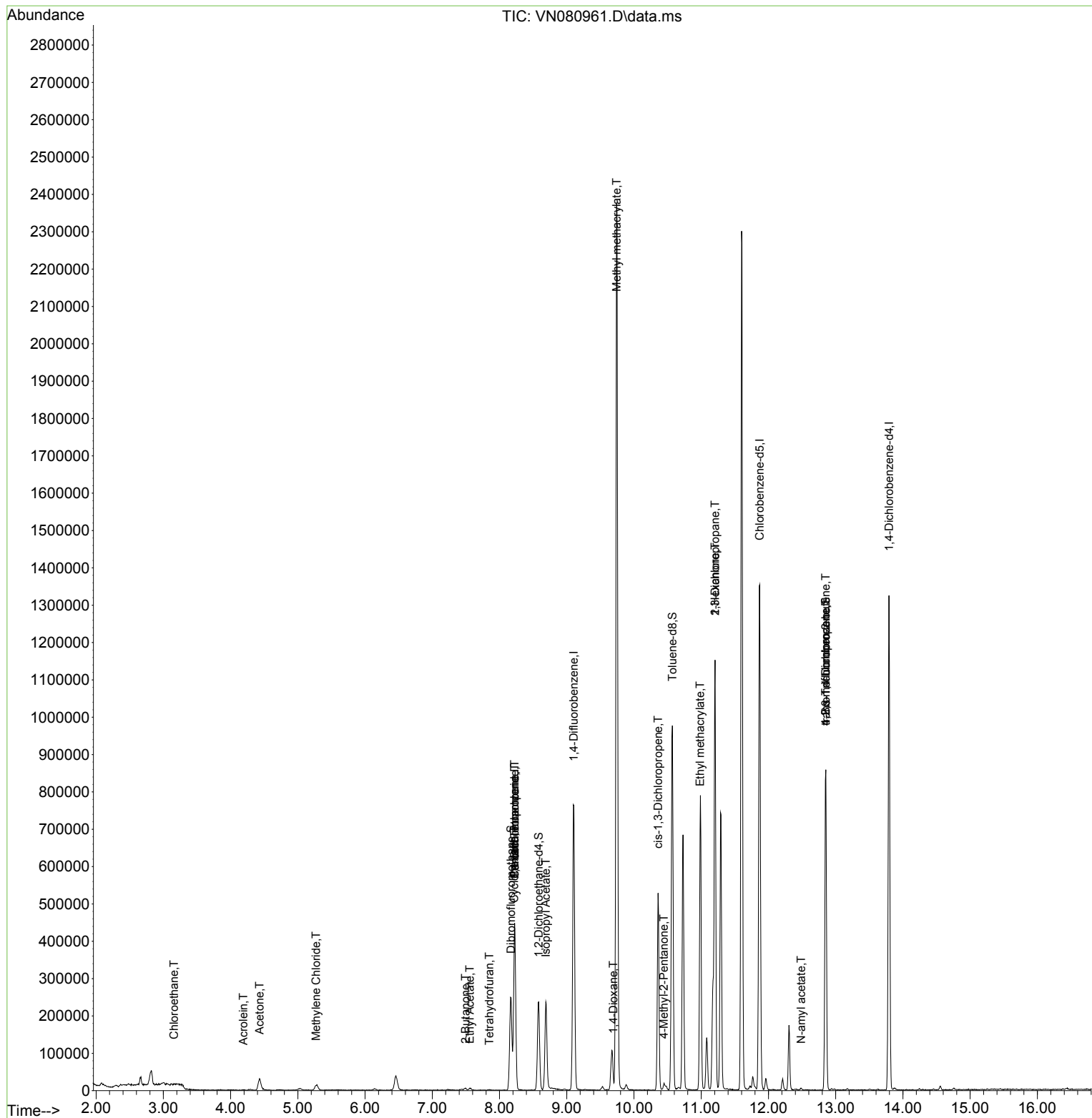
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	307848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	673941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	807412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	338515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	195987	50.466	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.940%		
35) Dibromofluoromethane	8.171	113	179627	49.671	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.340%		
50) Toluene-d8	10.571	98	686586	52.488	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.980%		
62) 4-Bromofluorobenzene	12.853	95	294584	61.993	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 123.980%#		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	3626	Below Cal		91
6) Chloroethane	3.159	64	706	0.220 ug/l	#	42
13) Acrolein	4.189	56	374	0.555 ug/l	#	1
16) Acetone	4.430	43	59376	46.472 ug/l		90
18) Methyl Acetate	5.036	43	9074	Below Cal		91
20) Methylene Chloride	5.271	84	5769	1.490 ug/l	#	88
25) 2-Butanone	7.494	43	7982	3.892 ug/l		94
29) Tetrahydrofuran	7.847	42	1118	0.892 ug/l	#	56
31) Cyclohexane	8.218	56	8022	1.511 ug/l	#	19
36) 1,1-Dichloropropene	8.224	75	26177	4.866 ug/l	#	53
37) Ethyl Acetate	7.559	43	8618	2.117 ug/l	#	91
38) Carbon Tetrachloride	8.224	117	36212	6.566 ug/l	#	17
43) Isopropyl Acetate	8.688	43	263129	35.151 ug/l	#	90
48) Methyl methacrylate	9.741	41	214413	50.838 ug/l	#	49
49) 1,4-Dioxane	9.694	88	154	1.978 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.447	43	10310	2.285 ug/l		95
54) cis-1,3-Dichloropropene	10.359	75	98964	14.257 ug/l	#	59
56) Ethyl methacrylate	10.982	69	2770	0.546 ug/l	#	1
57) 1,3-Dichloropropane	11.206	76	13185	1.917 ug/l	#	43
59) 2-Hexanone	11.206	43	121483	35.530 ug/l		65
74) N-amyl acetate	12.488	43	2160	0.228 ug/l	#	50
76) 1,2,3-Trichloropropane	12.853	75	157473	22.815 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	157473	61.986 ug/l	#	14

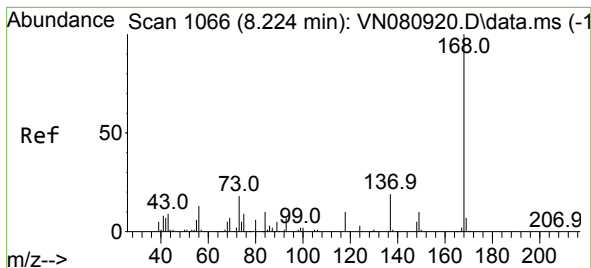
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 09 01:21:16 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: VN080961.D

Acq: 08 Feb 2024 14:10

Instrument :

MSVOA_N

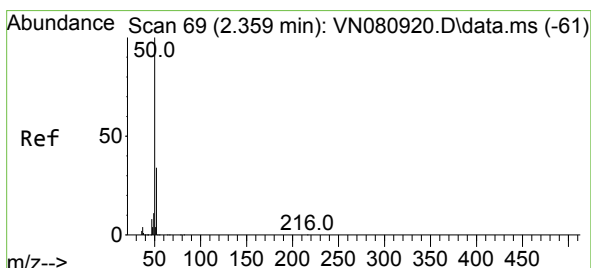
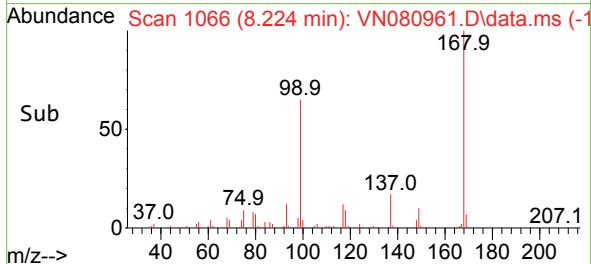
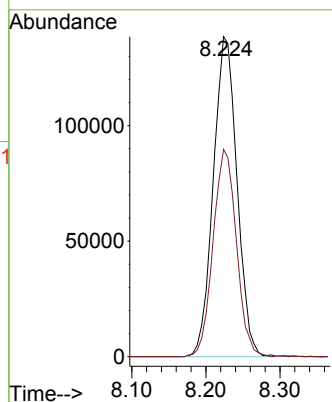
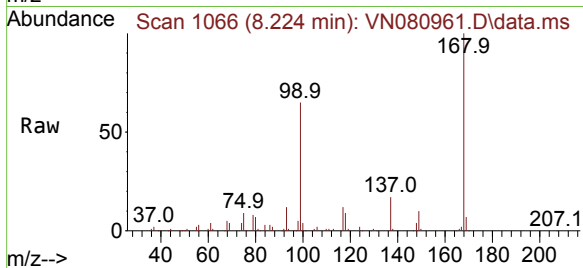
ClientSampleId :

Tgt Ion:168 Resp: 307848

Ion Ratio Lower Upper

168 100

99 64.8 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080961.D

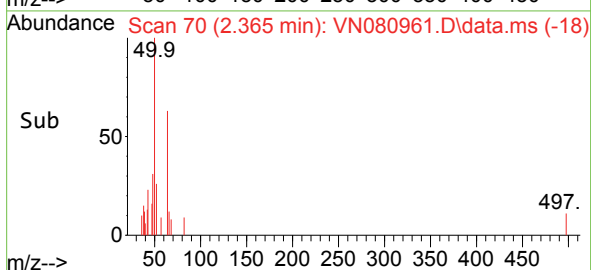
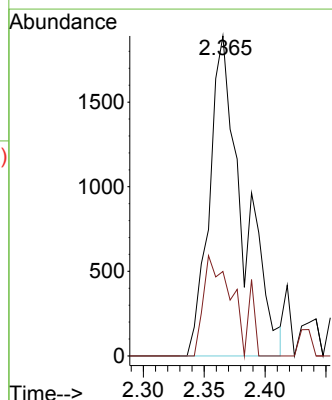
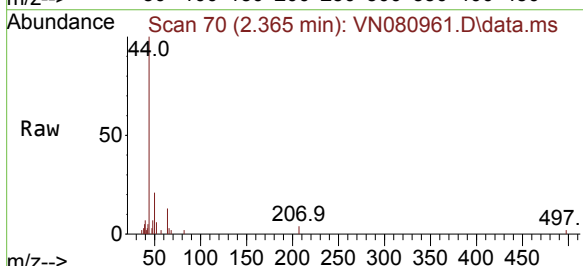
Acq: 08 Feb 2024 14:10

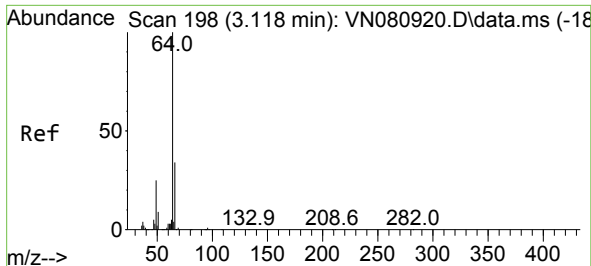
Tgt Ion: 50 Resp: 3626

Ion Ratio Lower Upper

50 100

52 26.4 25.0 37.4

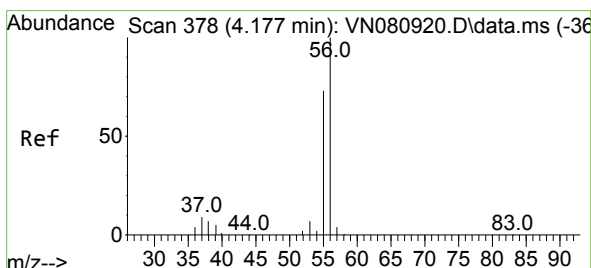
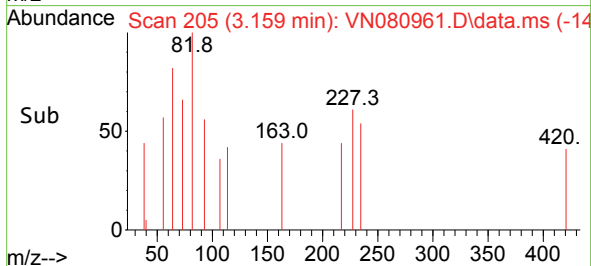
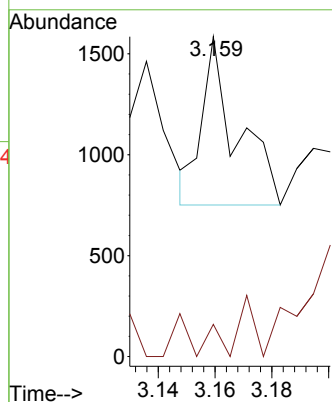
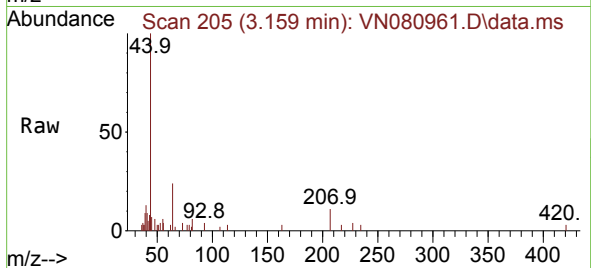




#6
Chloroethane
Concen: 0.220 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.041 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

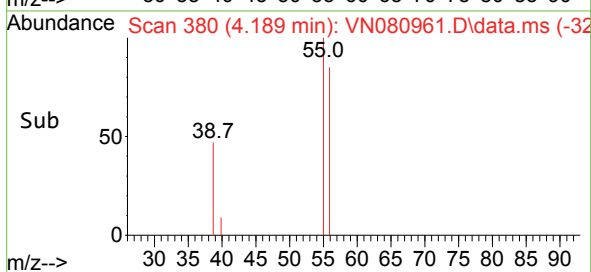
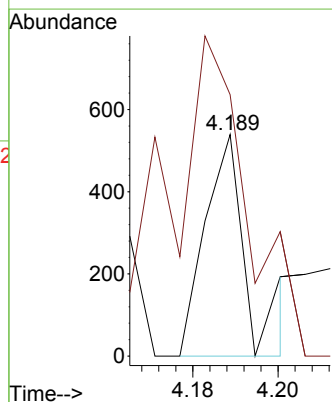
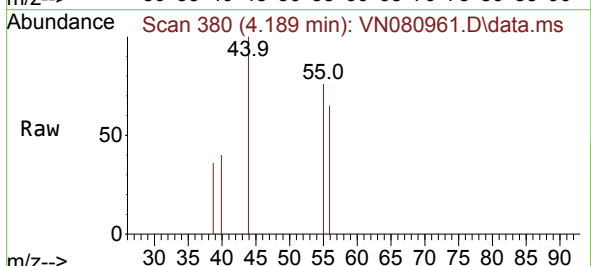
Instrument :
MSVOA_N
ClientSampleId :

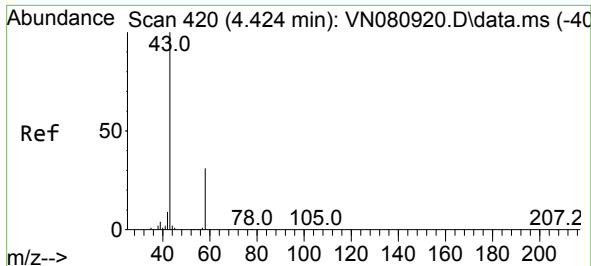
Tgt Ion: 64 Resp: 706
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 0.555 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Tgt Ion: 56 Resp: 374
Ion Ratio Lower Upper
56 100
55 266.6 55.3 82.9#

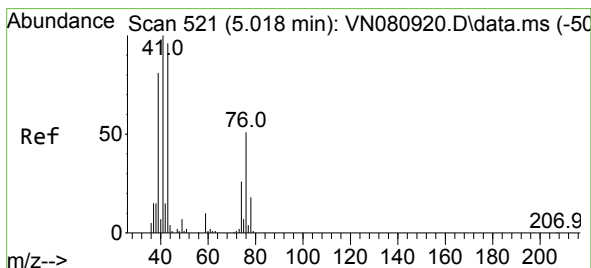
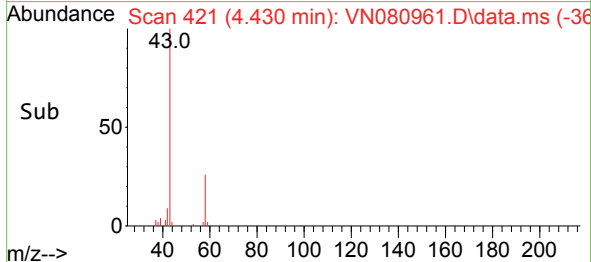
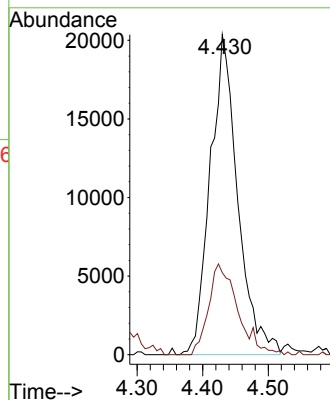
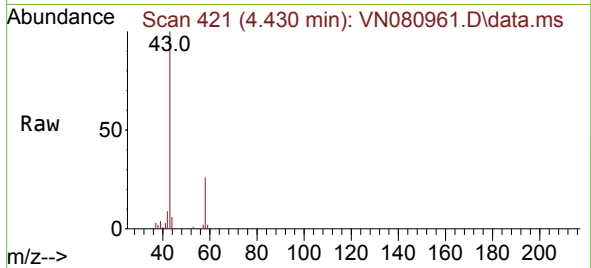




#16
Acetone
Concen: 46.472 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

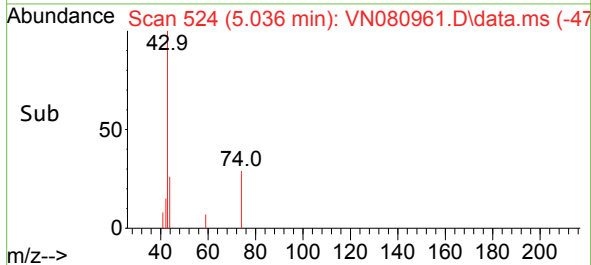
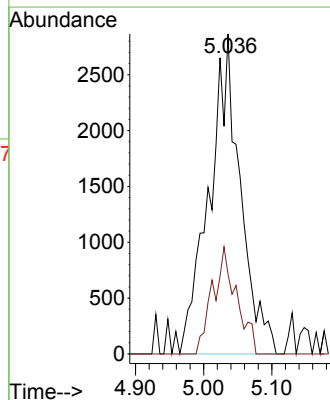
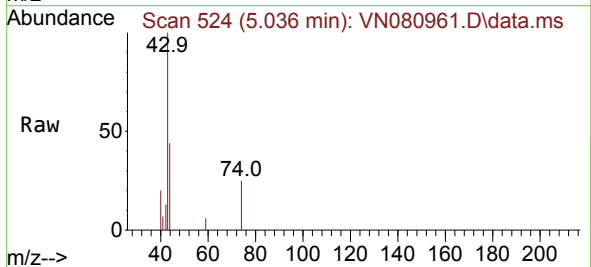
Instrument :
MSVOA_N
ClientSampleId :

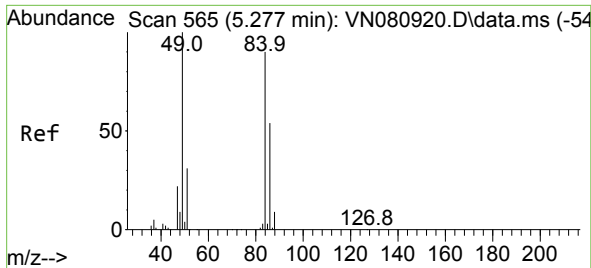
Tgt Ion: 43 Resp: 59376
Ion Ratio Lower Upper
43 100
58 25.7 24.8 37.2



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

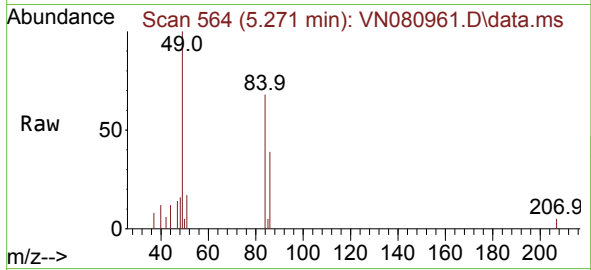
Tgt Ion: 43 Resp: 9074
Ion Ratio Lower Upper
43 100
74 25.8 17.3 25.9



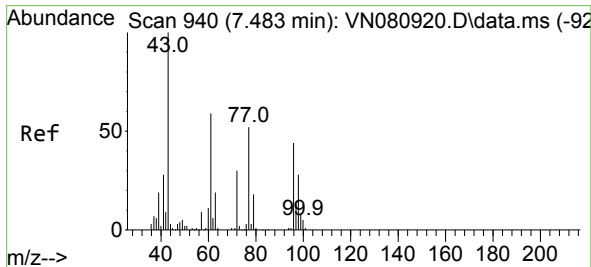
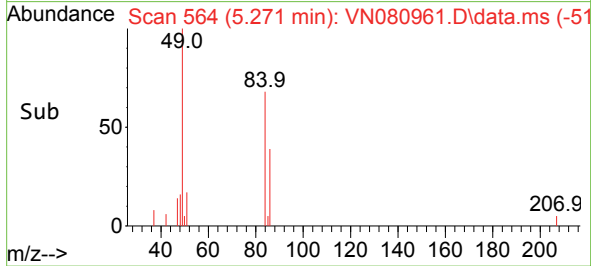
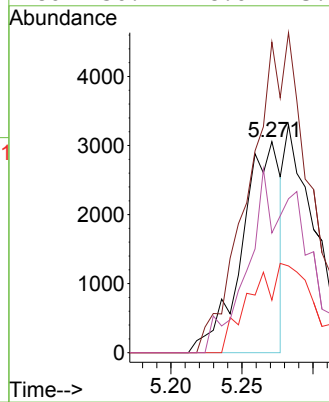


#20
Methylene Chloride
Concen: 1.490 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Instrument :
MSVOA_N
ClientSampleId :

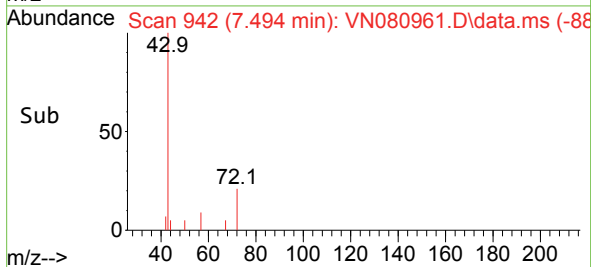
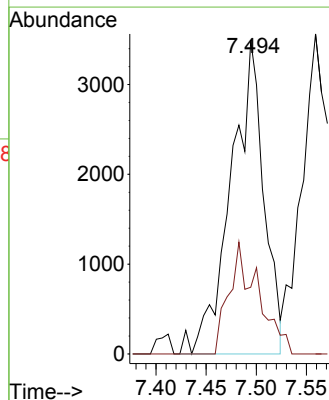
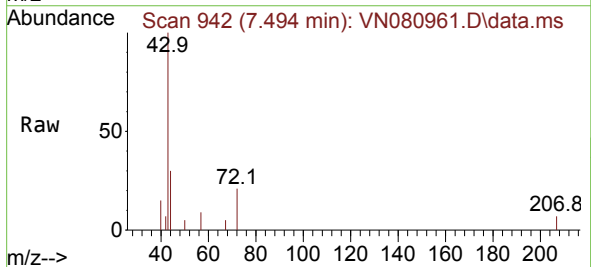


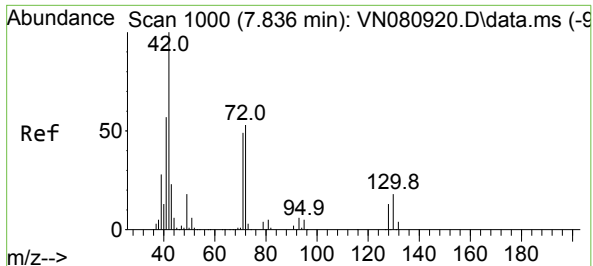
Tgt Ion: 84 Resp: 5769
Ion Ratio Lower Upper
84 100
49 147.1 108.1 162.1
51 24.9 32.9 49.3#
86 56.7 48.6 73.0



#25
2-Butanone
Concen: 3.892 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Tgt Ion: 43 Resp: 7982
Ion Ratio Lower Upper
43 100
72 21.3 19.5 29.3





#29

Tetrahydrofuran

Concen: 0.892 ug/l

RT: 7.847 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN080961.D

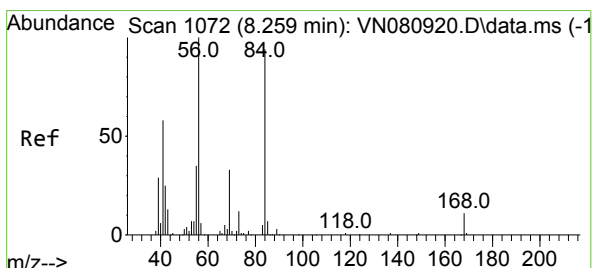
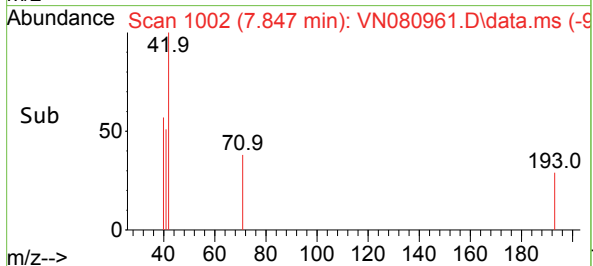
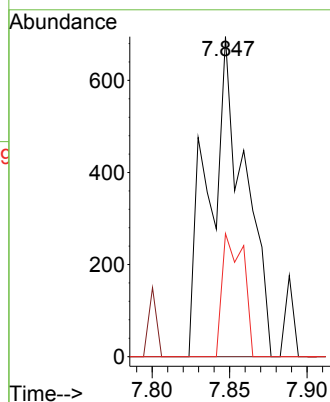
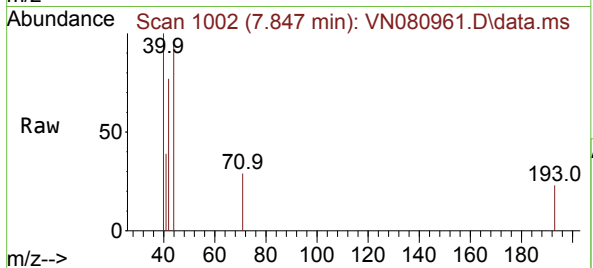
Acq: 08 Feb 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 42	Resp: 1118
Ion Ratio	Lower Upper
42	100
72	0.0 31.1 46.7#
71	22.5 28.3 42.5#



#31

Cyclohexane

Concen: 1.511 ug/l

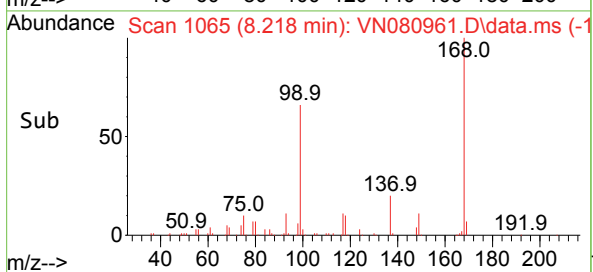
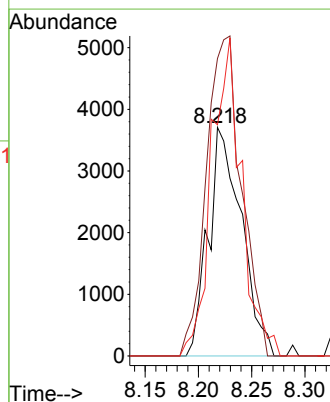
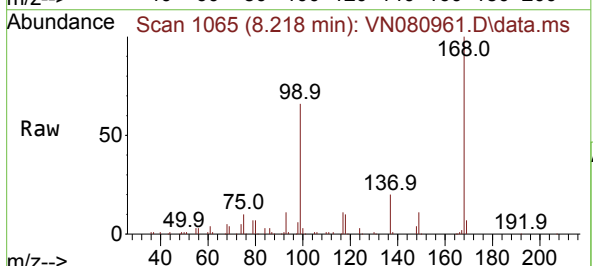
RT: 8.218 min Scan# 1065

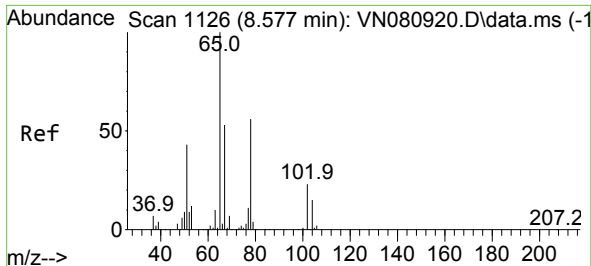
Delta R.T. -0.041 min

Lab File: VN080961.D

Acq: 08 Feb 2024 14:10

Tgt Ion: 56	Resp: 8022
Ion Ratio	Lower Upper
56	100
69	130.1 20.1 30.1#
84	101.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 50.466 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080961.D

Acq: 08 Feb 2024 14:10

Instrument :

MSVOA_N

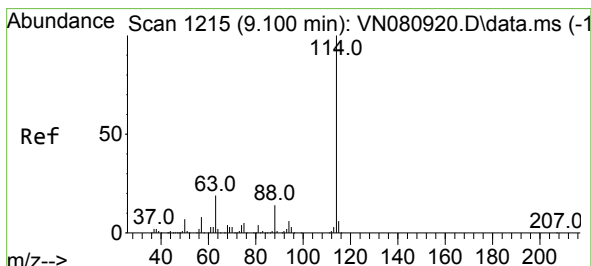
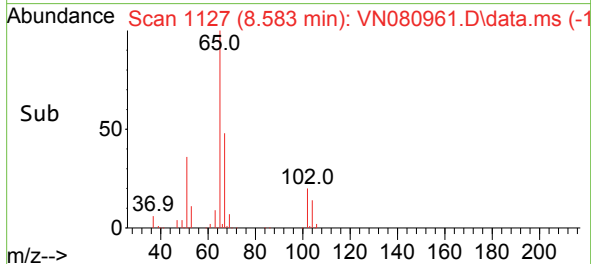
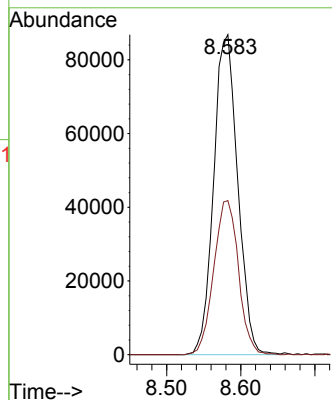
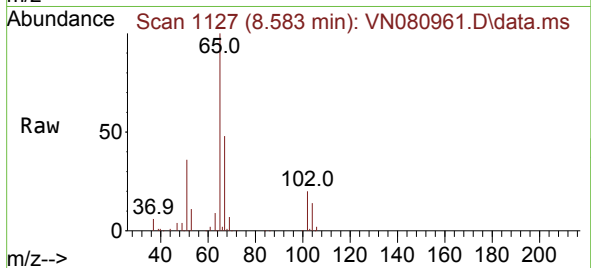
ClientSampleId :

Tgt Ion: 65 Resp: 195987

Ion Ratio Lower Upper

65 100

67 49.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080961.D

Acq: 08 Feb 2024 14:10

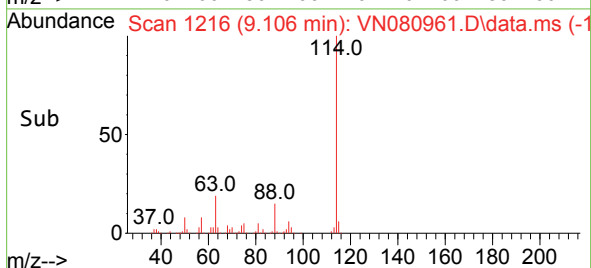
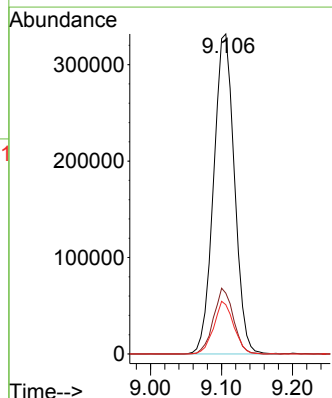
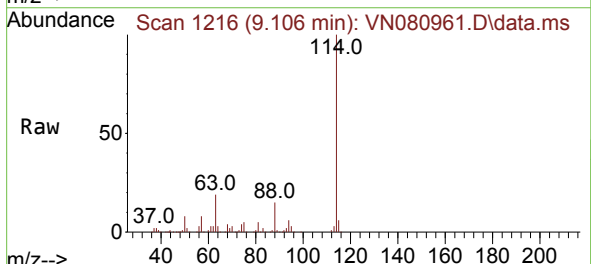
Tgt Ion: 114 Resp: 673941

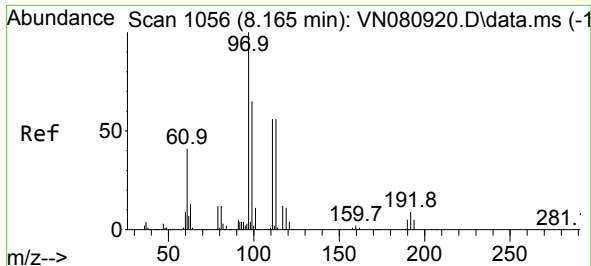
Ion Ratio Lower Upper

114 100

63 19.0 0.0 48.0

88 15.4 0.0 34.8

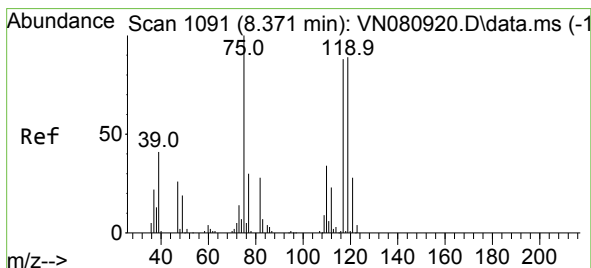
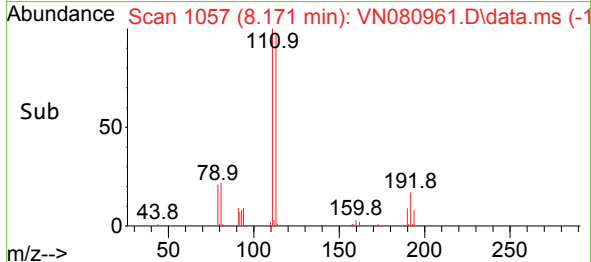
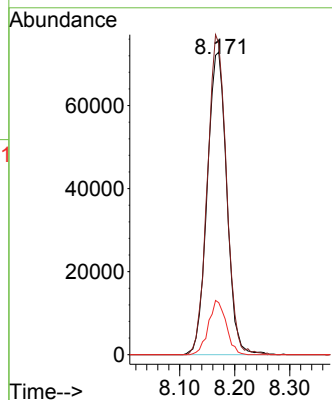
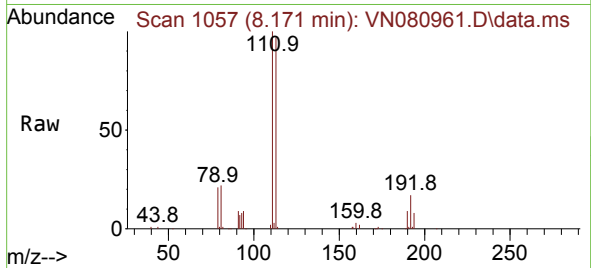




#35
Dibromofluoromethane
Concen: 49.671 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

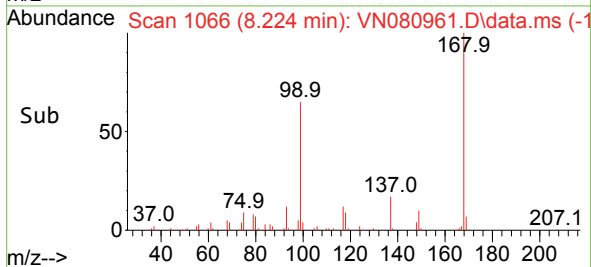
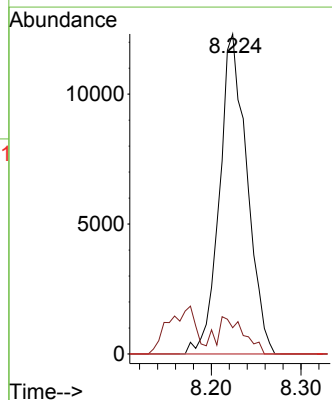
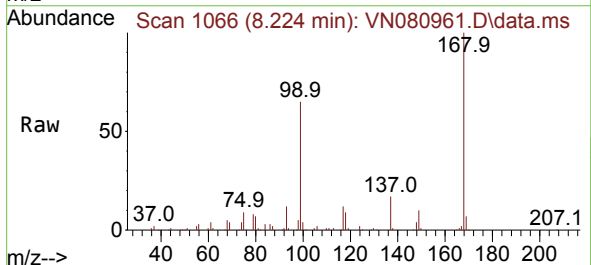
Instrument :
MSVOA_N
ClientSampleId :

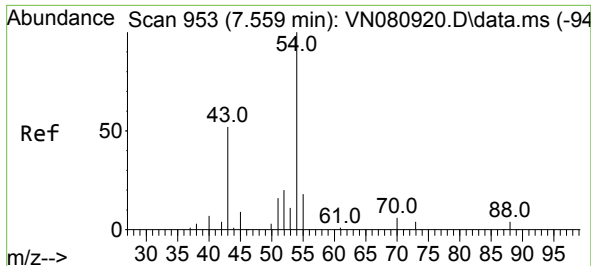
Tgt Ion:113 Resp: 179627
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 16.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.866 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Tgt Ion: 75 Resp: 26177
Ion Ratio Lower Upper
75 100
110 11.5 16.0 48.0#
77 0.0 25.8 38.6#

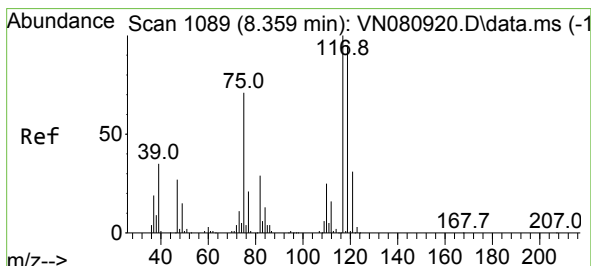
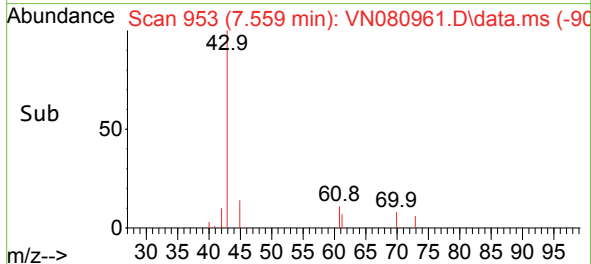
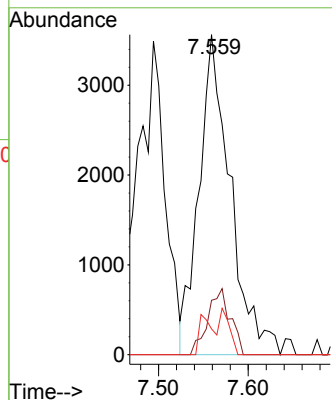
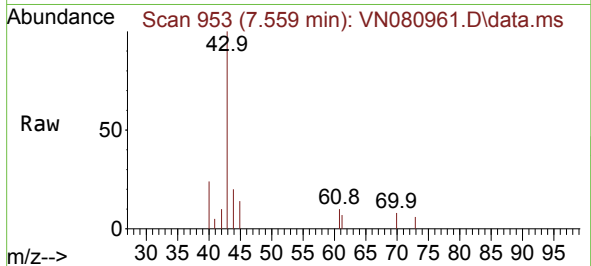




#37
Ethyl Acetate
Concen: 2.117 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

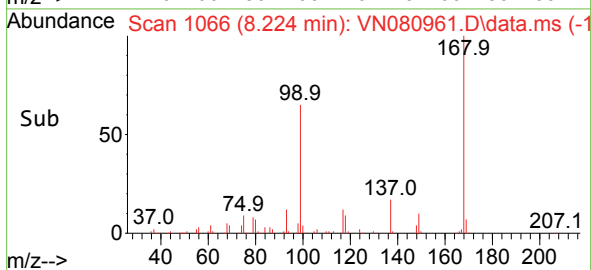
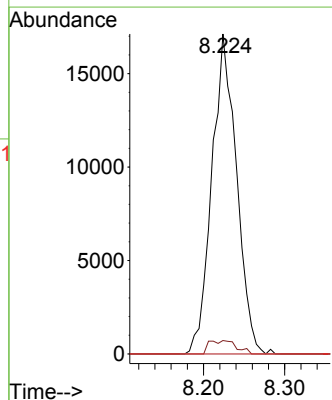
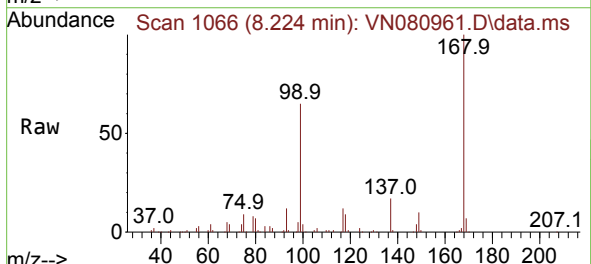
Instrument :
MSVOA_N
ClientSampleId :

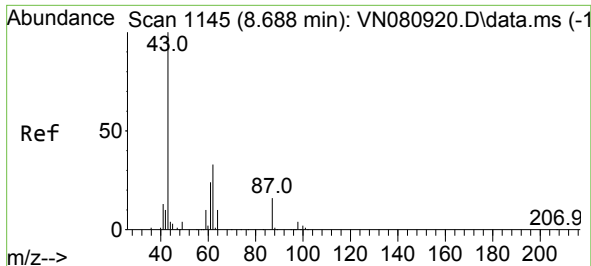
Tgt Ion: 43 Resp: 8618
Ion Ratio Lower Upper
43 100
61 14.9 10.6 15.8
70 4.5 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.566 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

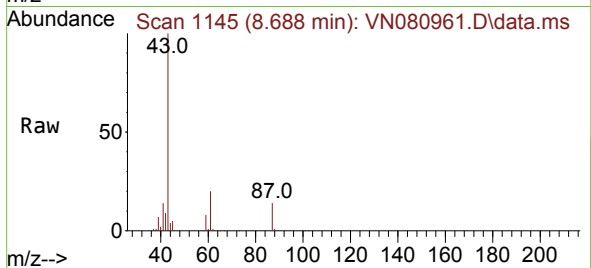
Tgt Ion: 117 Resp: 36212
Ion Ratio Lower Upper
117 100
119 4.2 73.4 110.2#
121 0.0 24.4 36.6#



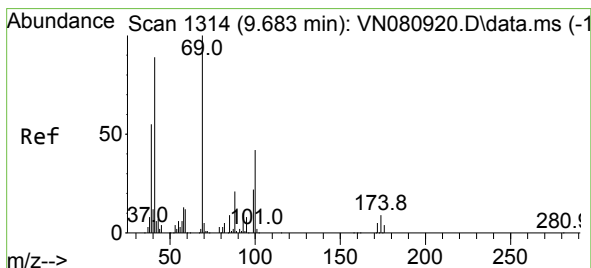
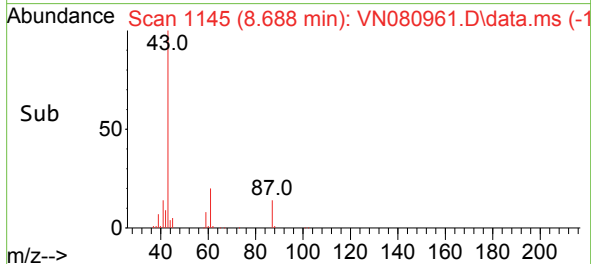
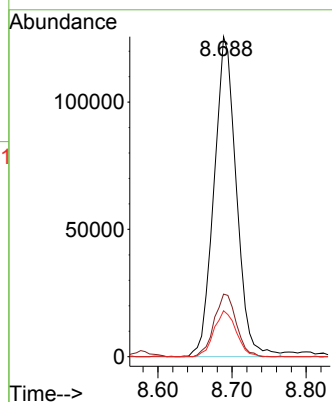


#43
Isopropyl Acetate
Concen: 35.151 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Instrument :
MSVOA_N
ClientSampleId :

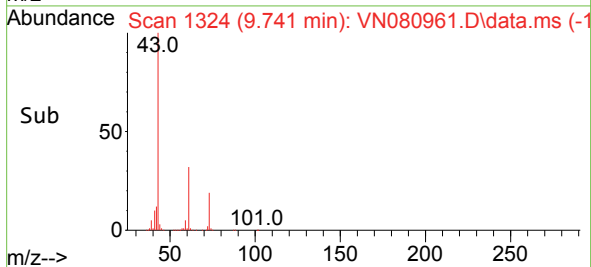
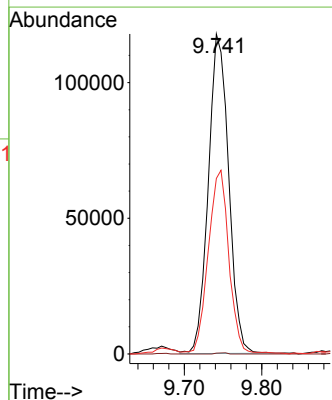
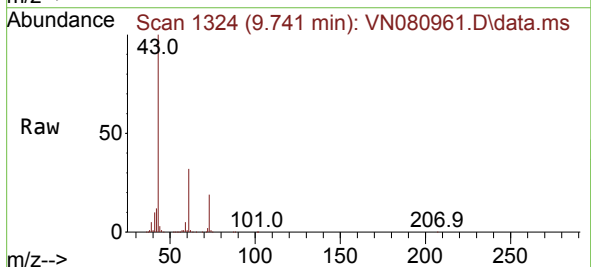


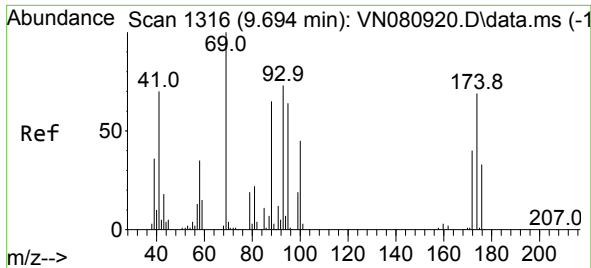
Tgt Ion: 43 Resp: 263129
Ion Ratio Lower Upper
43 100
61 19.5 19.9 29.9#
87 14.3 9.0 13.6#



#48
Methyl methacrylate
Concen: 50.838 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Tgt Ion: 41 Resp: 214413
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.2#
39 58.6 47.6 71.4





#49

1,4-Dioxane

Concen: 1.978 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

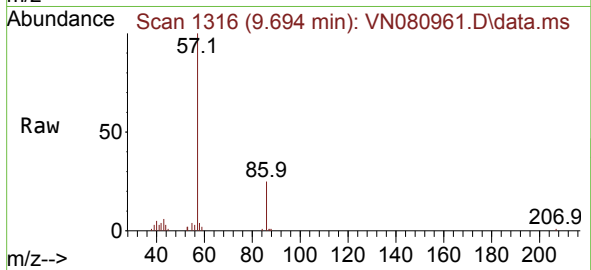
Lab File: VN080961.D

Acq: 08 Feb 2024 14:10

Instrument :

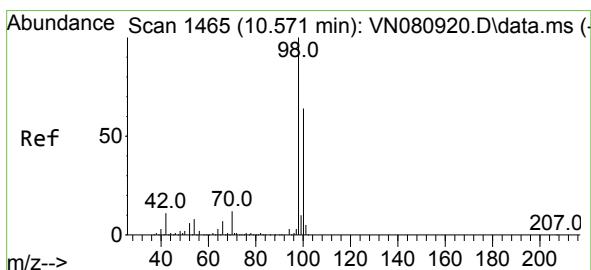
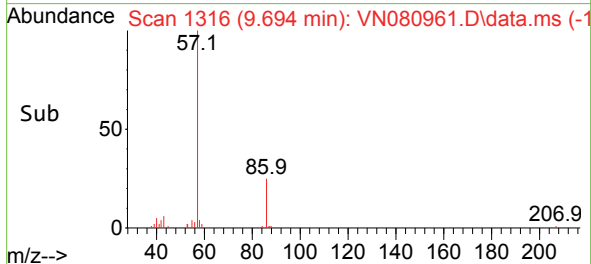
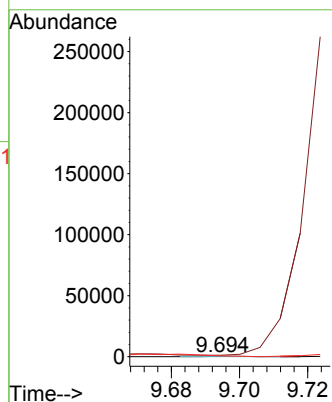
MSVOA_N

ClientSampleId :



Tgt Ion: 88 Resp: 154

Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	1934.4	63.9	95.9#



#50

Toluene-d8

Concen: 52.488 ug/l

RT: 10.571 min Scan# 1465

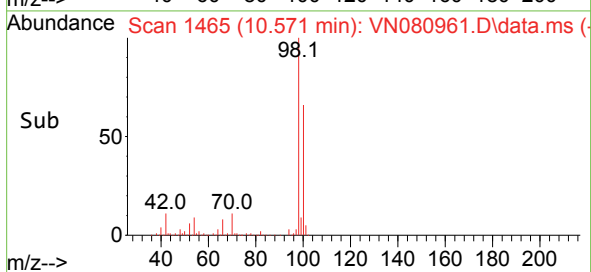
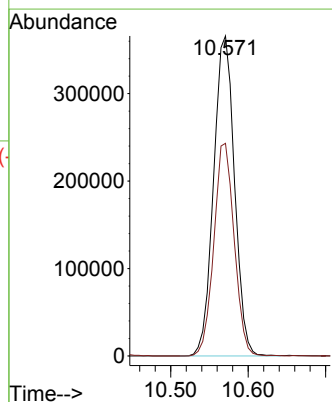
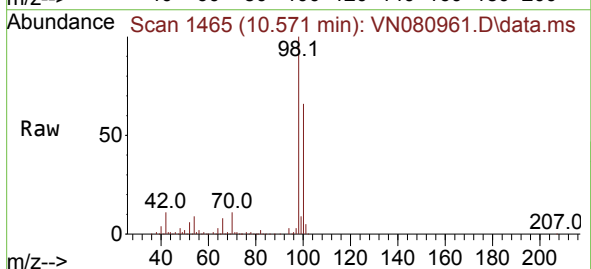
Delta R.T. -0.000 min

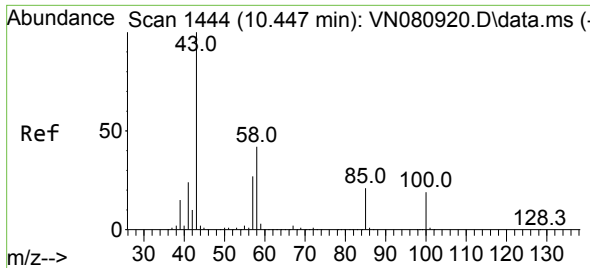
Lab File: VN080961.D

Acq: 08 Feb 2024 14:10

Tgt Ion: 98 Resp: 686586

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.0

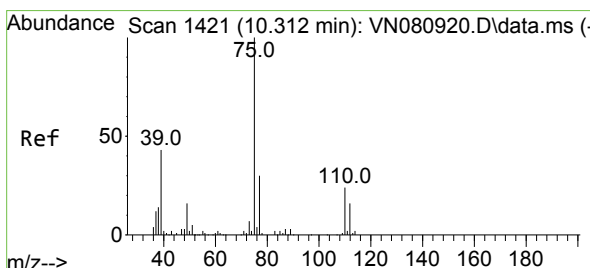
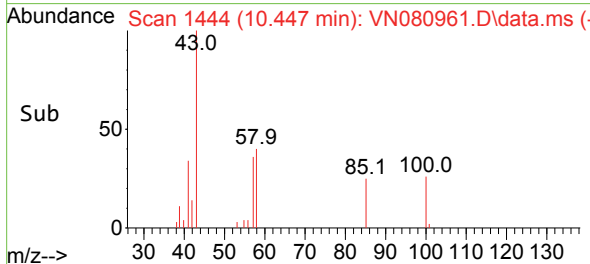
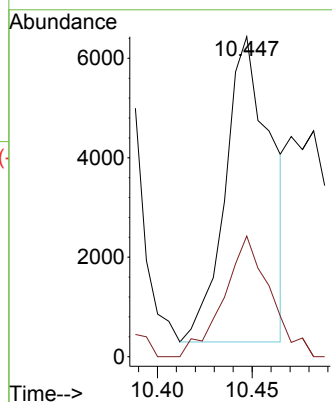
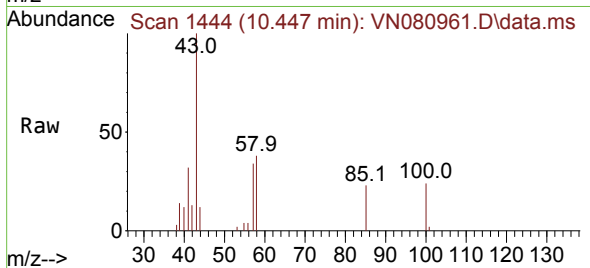




#51
4-Methyl-2-Pentanone
Concen: 2.285 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

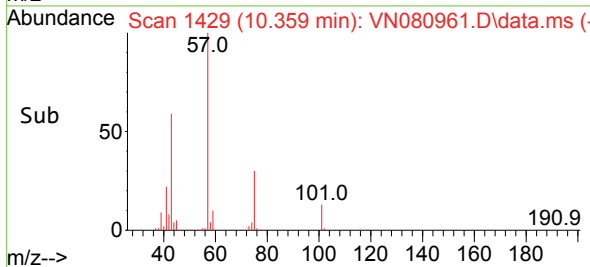
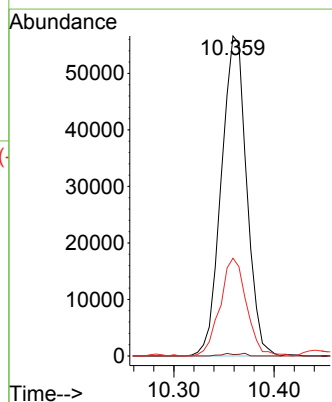
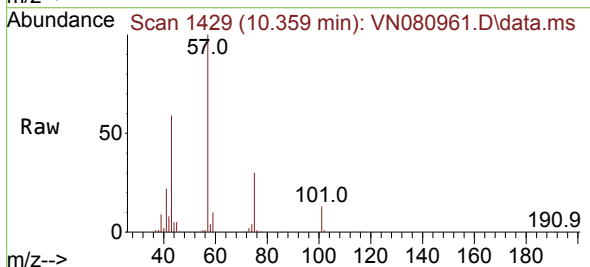
Instrument :
MSVOA_N
ClientSampleId :

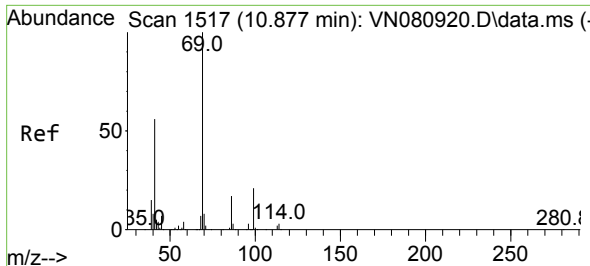
Tgt Ion: 43 Resp: 10310
Ion Ratio Lower Upper
43 100
58 39.8 29.4 44.0



#54
cis-1,3-Dichloropropene
Concen: 14.257 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

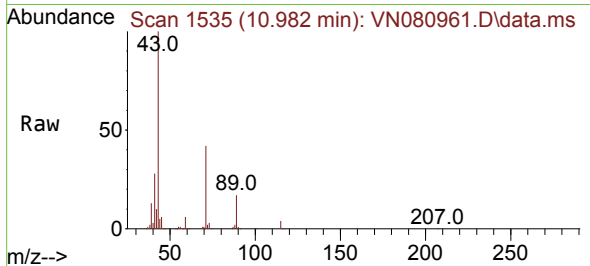
Tgt Ion: 75 Resp: 98964
Ion Ratio Lower Upper
75 100
77 0.5 23.3 34.9#
39 30.5 44.6 66.8#



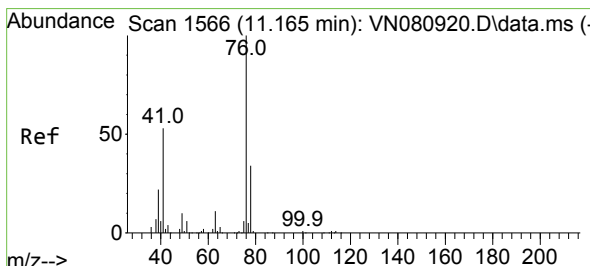
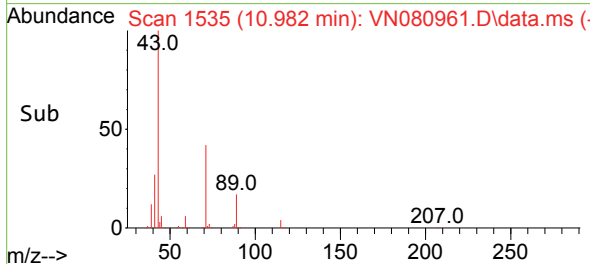
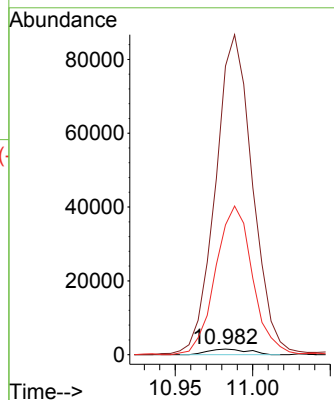


#56
Ethyl methacrylate
Concen: 0.546 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.105 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Instrument :
MSVOA_N
ClientSampleId :

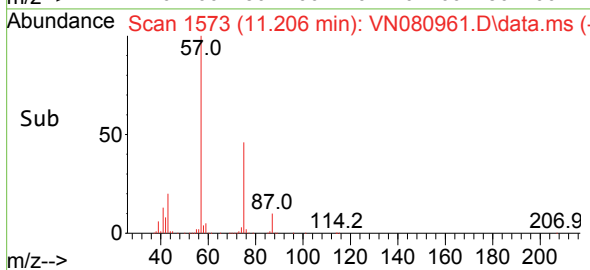
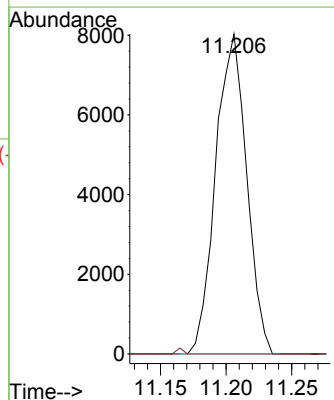
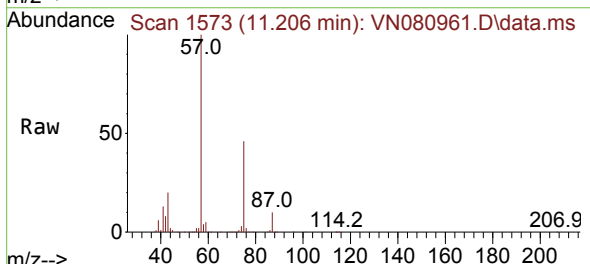


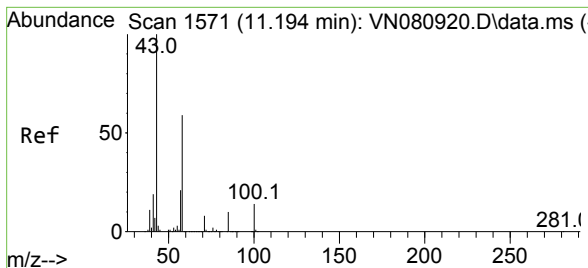
Tgt Ion: 69 Resp: 2770
Ion Ratio Lower Upper
69 100
41 5234.4 61.0 91.6#
39 2429.9 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.917 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Tgt Ion: 76 Resp: 13185
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

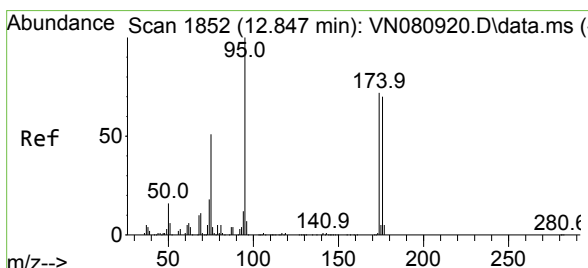
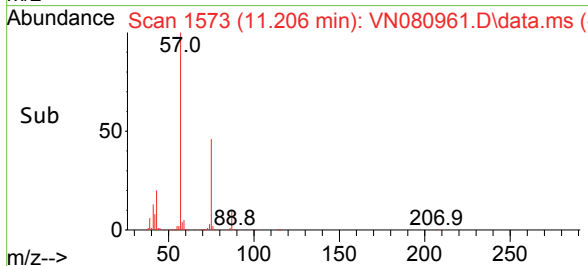
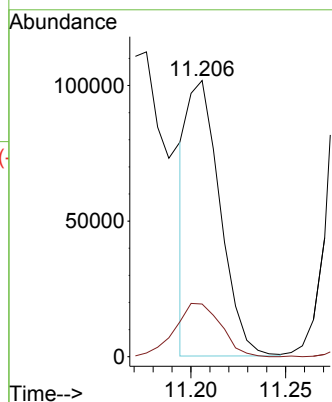
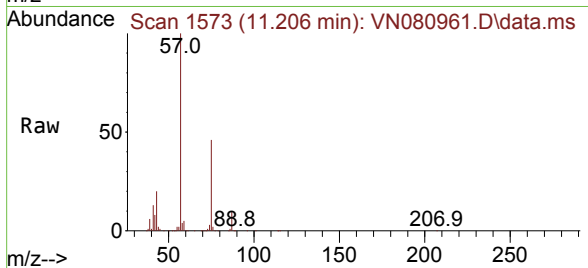




#59
2-Hexanone
Concen: 35.530 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

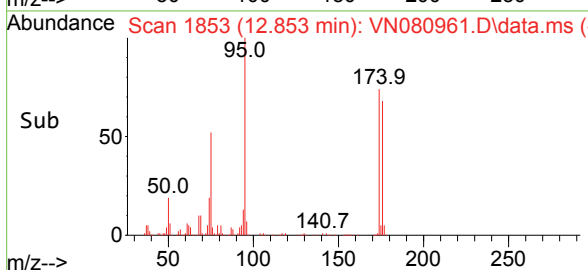
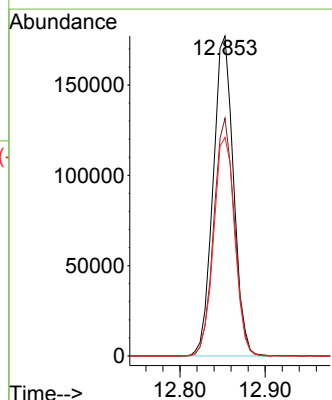
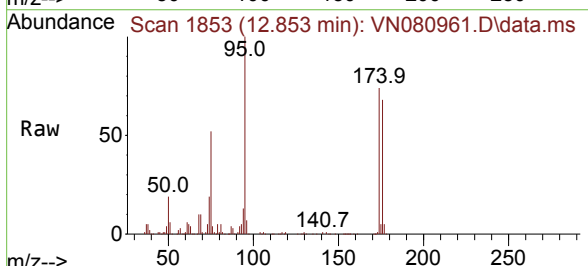
Instrument :
MSVOA_N
ClientSampleId :

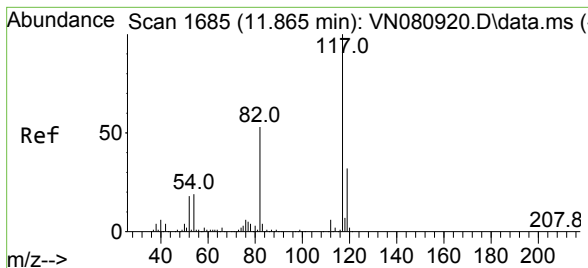
Tgt Ion: 43 Resp: 121483
Ion Ratio Lower Upper
43 100
58 27.5 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 61.993 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Tgt Ion: 95 Resp: 294584
Ion Ratio Lower Upper
95 100
174 75.4 0.0 120.4
176 70.9 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

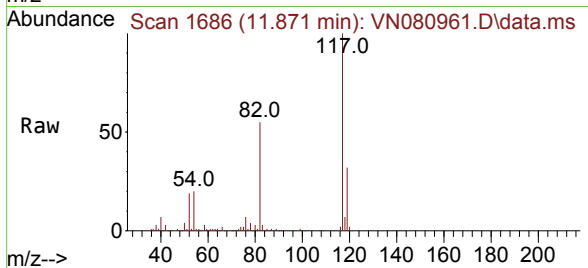
Lab File: VN080961.D

Acq: 08 Feb 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :



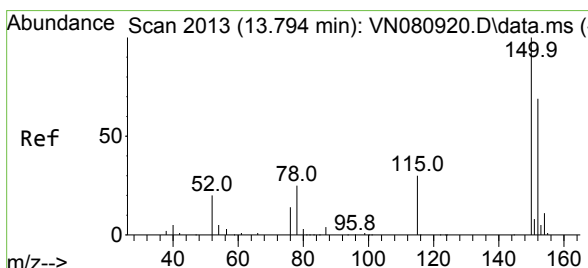
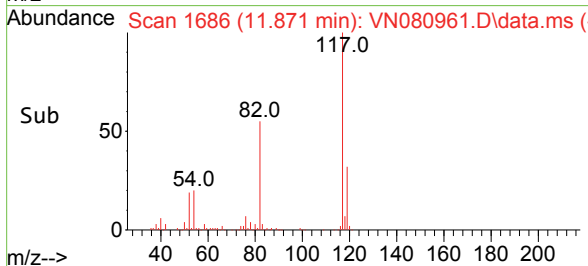
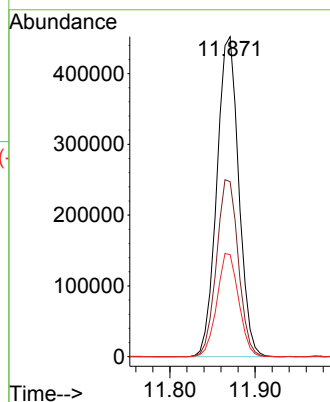
Tgt Ion:117 Resp: 807412

Ion Ratio Lower Upper

117 100

82 54.7 52.7 79.1

119 31.9 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080961.D

Acq: 08 Feb 2024 14:10

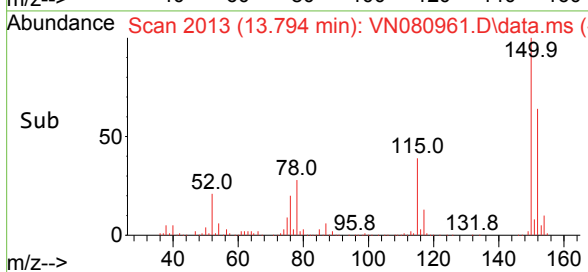
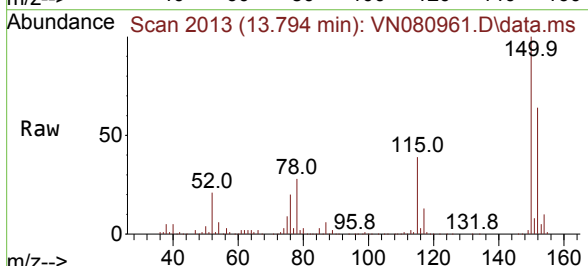
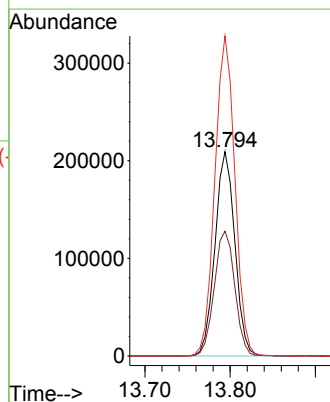
Tgt Ion:152 Resp: 338515

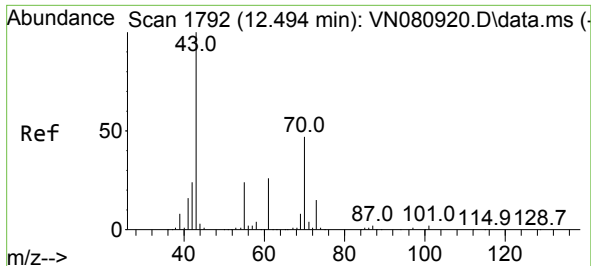
Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

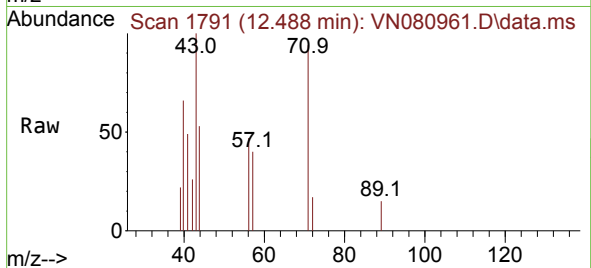
150 158.0 0.0 339.8



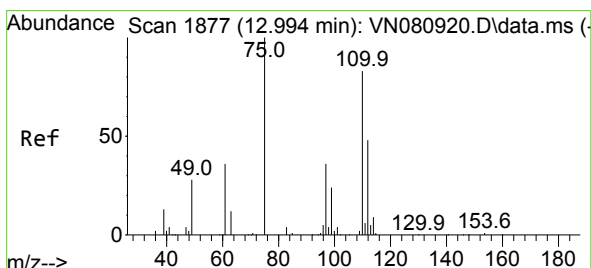
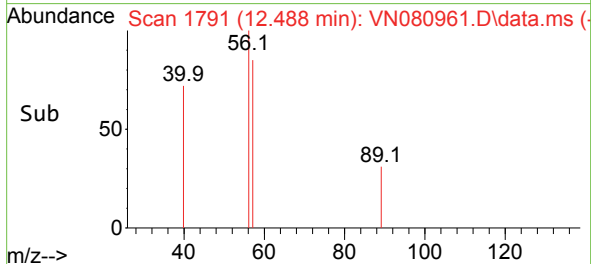
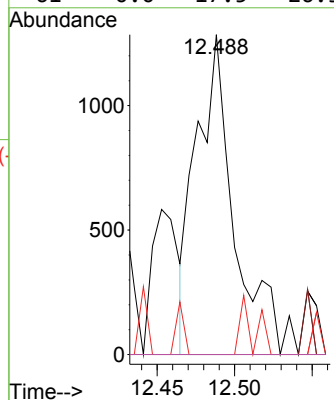


#74
N-amy1 acetate
Concen: 0.228 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

Instrument :
MSVOA_N
ClientSampleId :

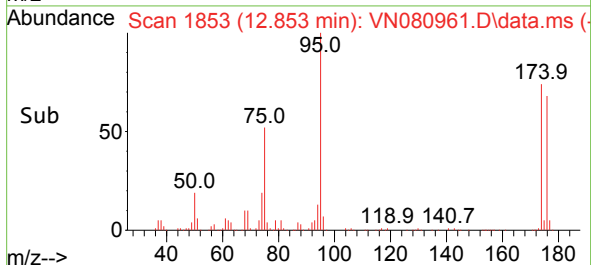
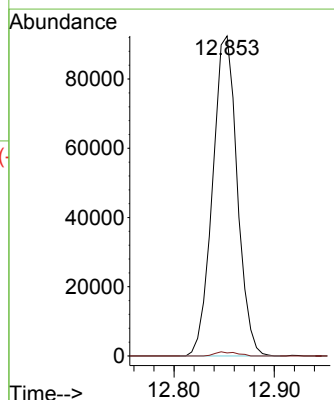
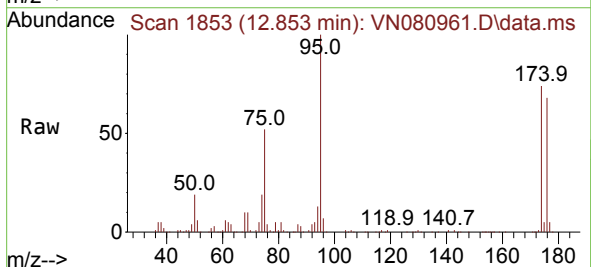


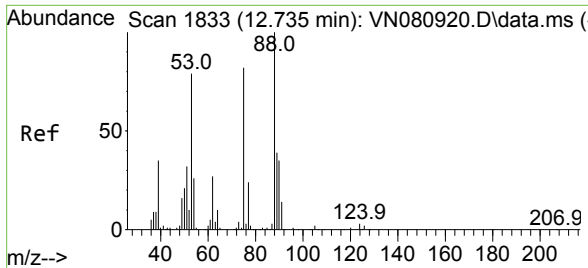
Tgt Ion: 43	Resp: 2160
Ion Ratio	Lower Upper
43	100
70	0.0 30.1 45.1#
55	6.9 17.0 25.4#
61	0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 22.815 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080961.D
Acq: 08 Feb 2024 14:10

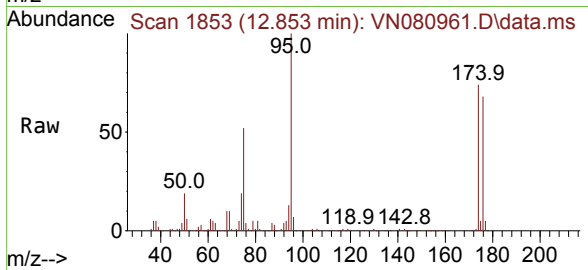
Tgt Ion: 75	Resp: 157473
Ion Ratio	Lower Upper
75	100
77	1.1 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.986 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080961.D
 Acq: 08 Feb 2024 14:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 157473
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.3 33.4 50.0#

