

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020824\
 Data File : VN080960.D
 Acq On : 08 Feb 2024 13:46
 Operator : JC\MD
 Sample : P1389-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 01:20:53 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)

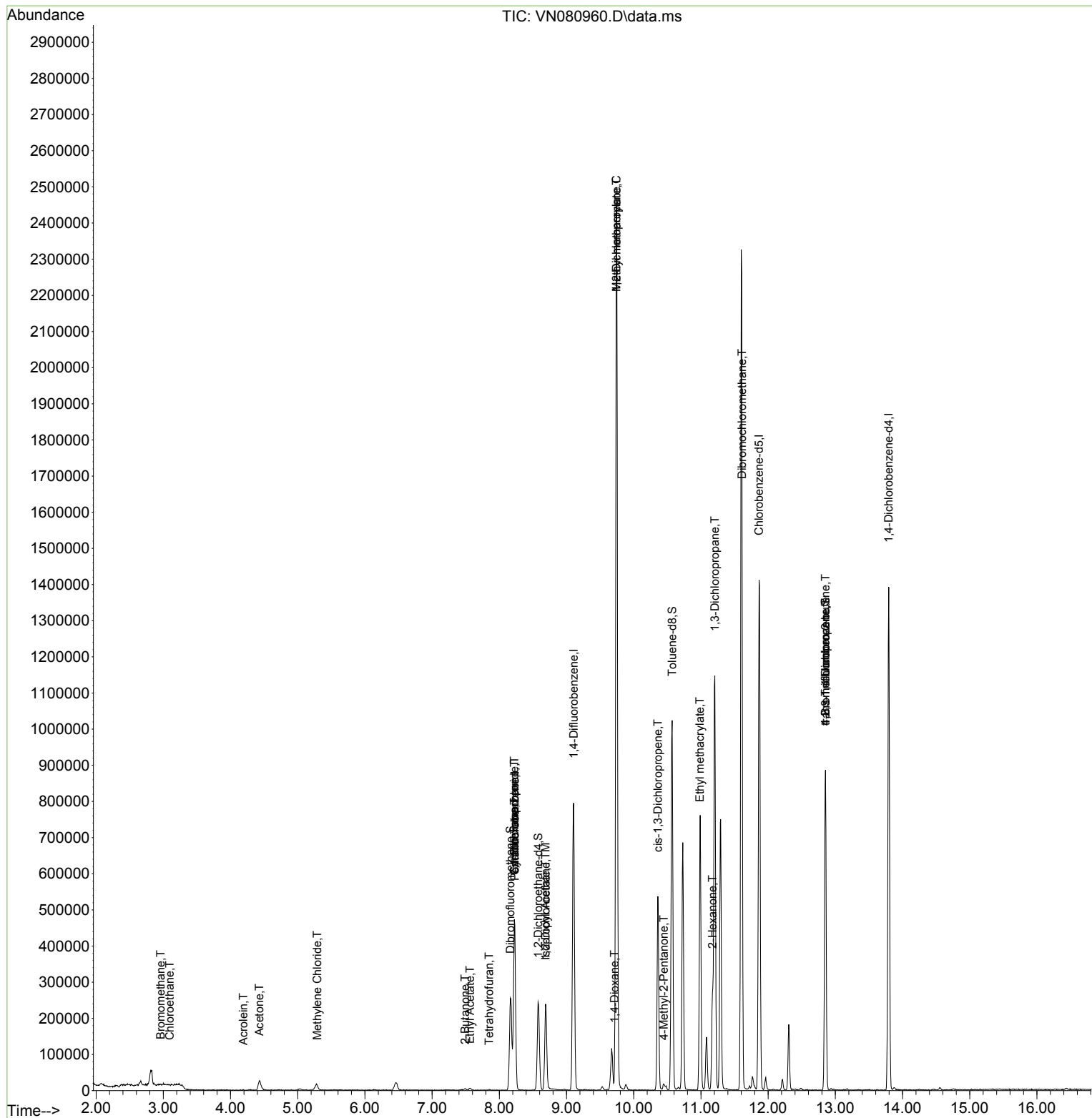
Internal Standards						
1) Pentafluorobenzene	8.230	168	319929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	700025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	850187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	362338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	196376	48.657	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.320%
35) Dibromofluoromethane	8.165	113	183805	48.932	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.860%
50) Toluene-d8	10.571	98	705464	51.922	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.840%
62) 4-Bromofluorobenzene	12.853	95	309234	62.651	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	125.300%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3323	Below Cal		100
5) Bromomethane	2.959	94	989	0.325 ug/l #		56
6) Chloroethane	3.095	64	935	0.280 ug/l		90
13) Acrolein	4.189	56	402	0.574 ug/l		84
16) Acetone	4.430	43	50161	37.777 ug/l		98
18) Methyl Acetate	5.018	43	3441	Below Cal #		65
20) Methylene Chloride	5.289	84	12738	3.166 ug/l #		60
25) 2-Butanone	7.489	43	6879	3.228 ug/l #		80
29) Tetrahydrofuran	7.847	42	524	0.402 ug/l #		77
31) Cyclohexane	8.224	56	7632	1.384 ug/l #		1
36) 1,1-Dichloropropene	8.224	75	27138	4.856 ug/l #		51
37) Ethyl Acetate	7.565	43	7653	1.810 ug/l #		79
38) Carbon Tetrachloride	8.224	117	36734	6.413 ug/l #		18
42) 1,2-Dichloroethane	8.689	62	1688	0.285 ug/l #		75
43) Isopropyl Acetate	8.689	43	264834	34.060 ug/l #		91
45) 1,2-Dichloropropane	9.741	63	3088	0.673 ug/l #		42
48) Methyl methacrylate	9.741	41	216814	49.492 ug/l #		47
49) 1,4-Dioxane	9.712	88	54	0.668 ug/l #		18
51) 4-Methyl-2-Pentanone	10.447	43	9884	2.109 ug/l		88
54) cis-1,3-Dichloropropene	10.359	75	98564	13.670 ug/l #		58
56) Ethyl methacrylate	10.982	69	2644	0.502 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	13396	1.875 ug/l #		45
59) 2-Hexanone	11.171	43	204215	57.501 ug/l #		26
60) Dibromochloromethane	11.612	129	972	0.216 ug/l #		10
76) 1,2,3-Trichloropropane	12.853	75	169243	22.908 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	169243	62.239 ug/l #		14

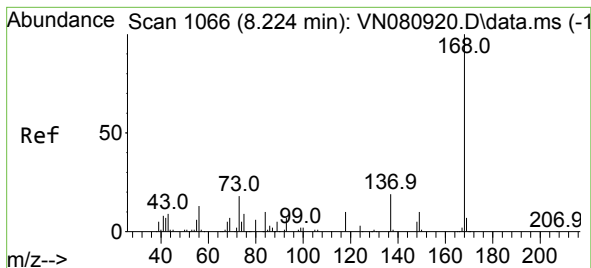
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080960.D

Acq: 08 Feb 2024 13:46

Instrument :

MSVOA_N

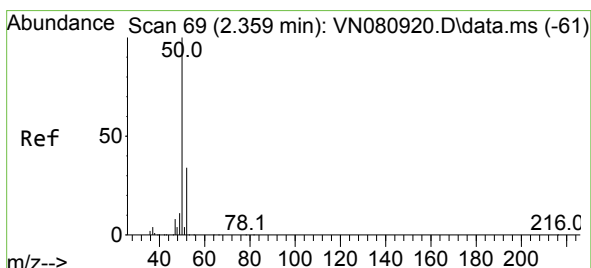
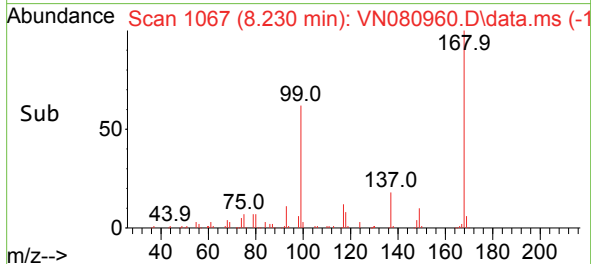
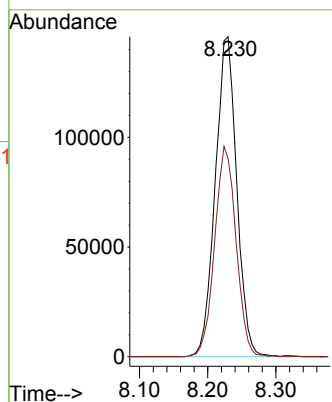
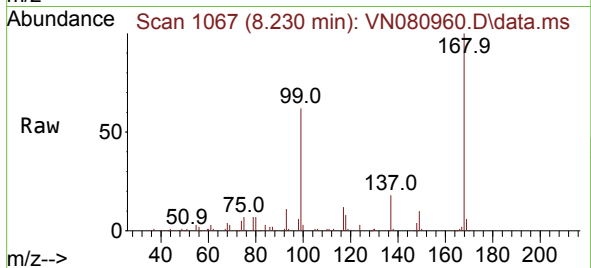
ClientSampleId :

Tgt Ion:168 Resp: 319929

Ion Ratio Lower Upper

168 100

99 62.0 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080960.D

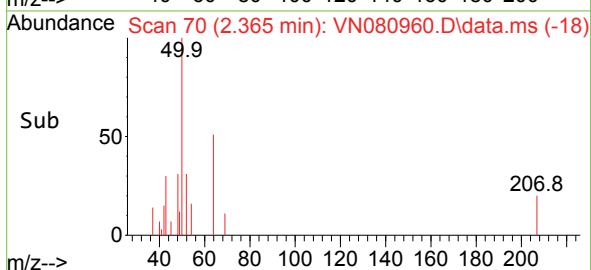
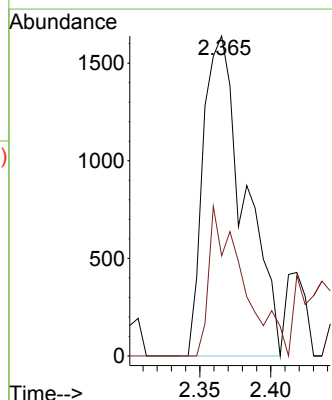
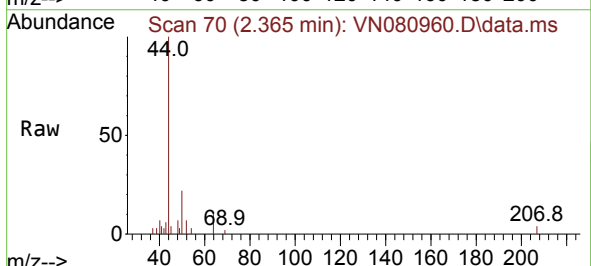
Acq: 08 Feb 2024 13:46

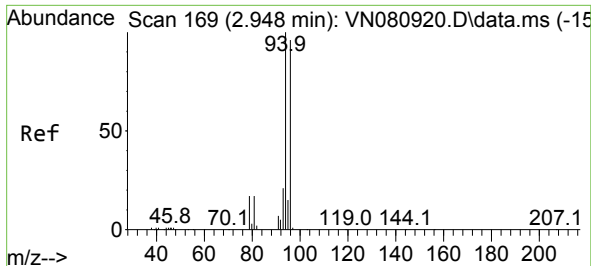
Tgt Ion: 50 Resp: 3323

Ion Ratio Lower Upper

50 100

52 31.3 25.0 37.4

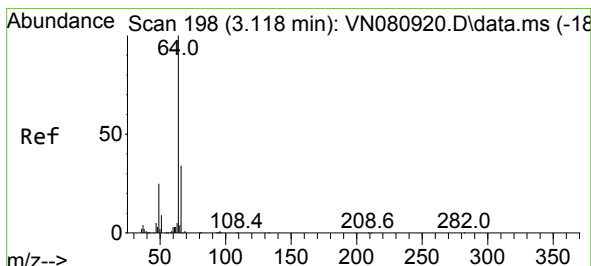
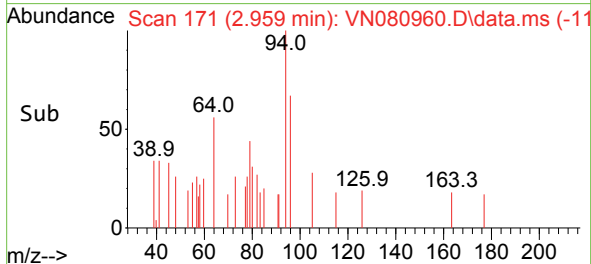
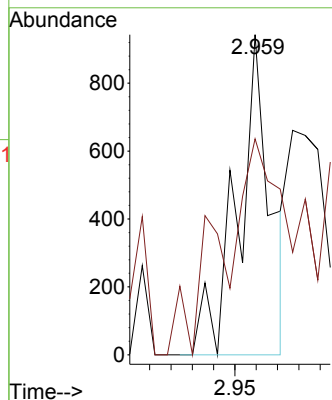
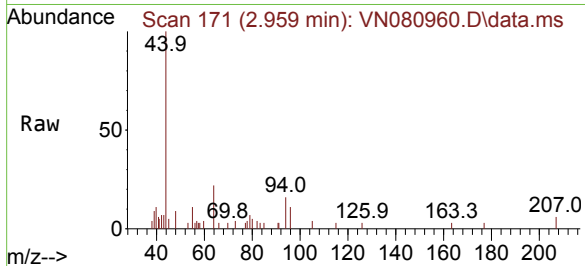




#5
Bromomethane
Concen: 0.325 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

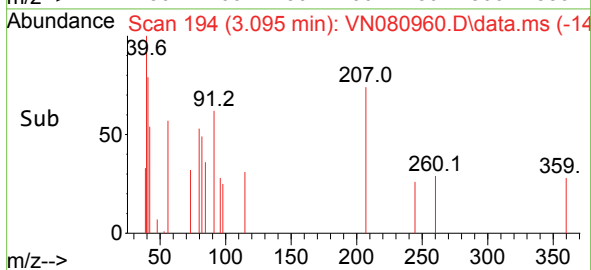
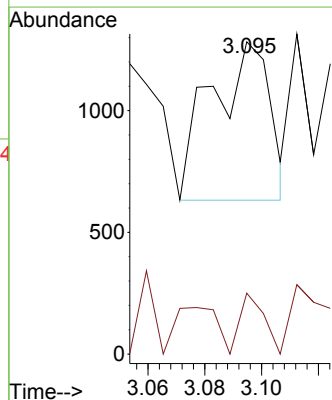
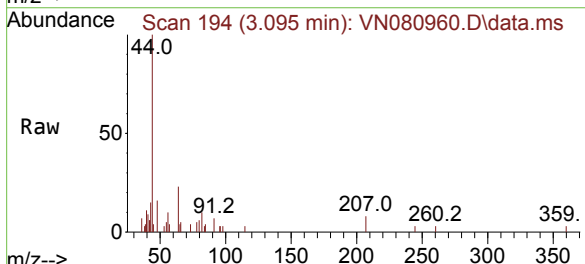
Instrument :
MSVOA_N
ClientSampleId :

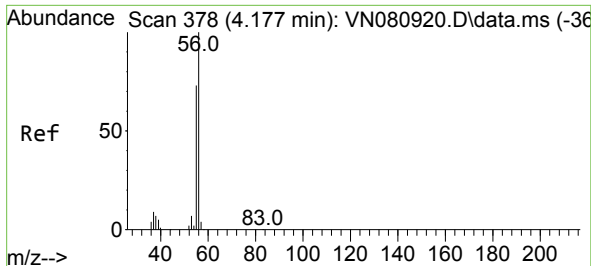
Tgt Ion: 94 Resp: 989
Ion Ratio Lower Upper
94 100
96 46.0 69.2 103.8#



#6
Chloroethane
Concen: 0.280 ug/l
RT: 3.095 min Scan# 194
Delta R.T. -0.024 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

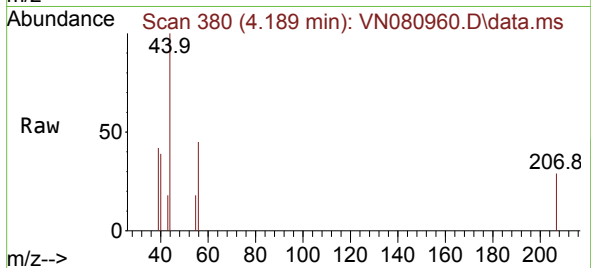
Tgt Ion: 64 Resp: 935
Ion Ratio Lower Upper
64 100
66 38.4 26.4 39.6



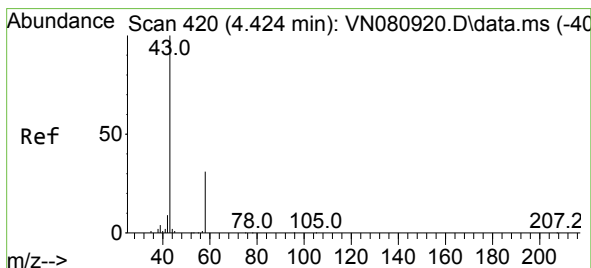
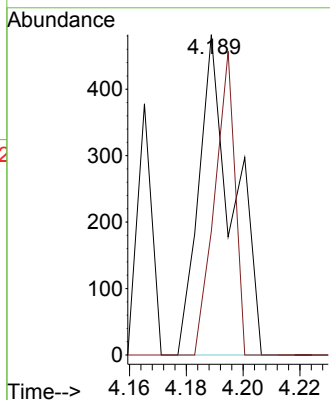
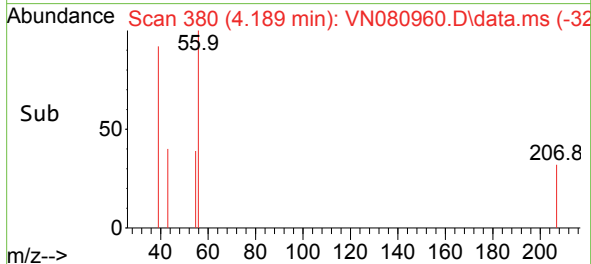


#13
Acrolein
Concen: 0.574 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

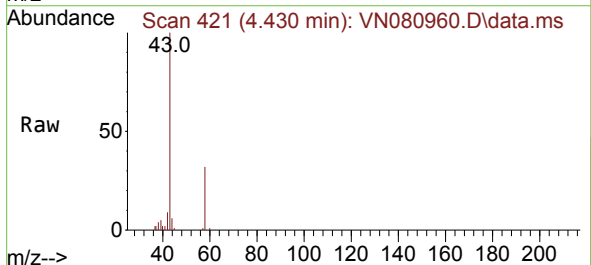
Instrument :
MSVOA_N
ClientSampleId :



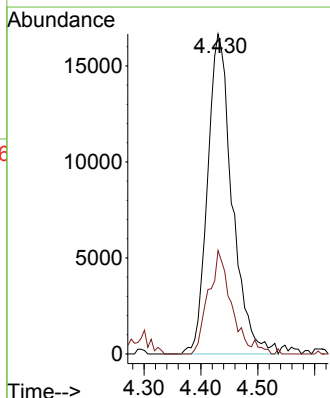
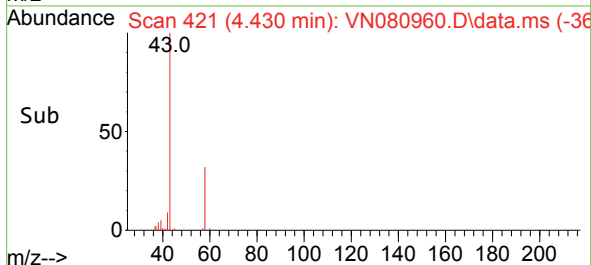
Tgt Ion: 56 Resp: 402
Ion Ratio Lower Upper
56 100
55 56.5 55.3 82.9

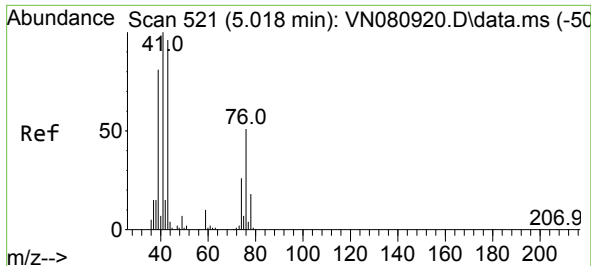


#16
Acetone
Concen: 37.777 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46



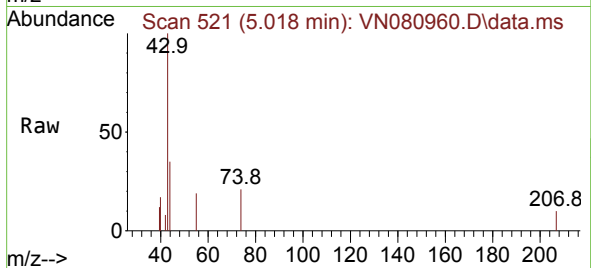
Tgt Ion: 43 Resp: 50161
Ion Ratio Lower Upper
43 100
58 32.3 24.8 37.2



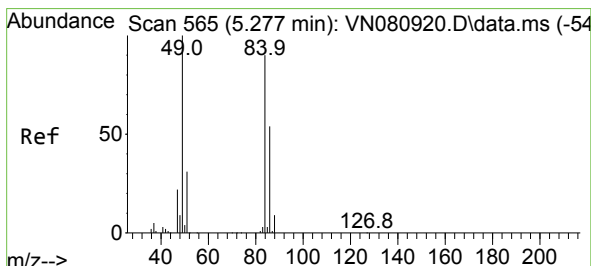
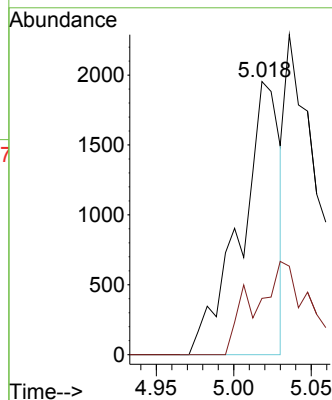
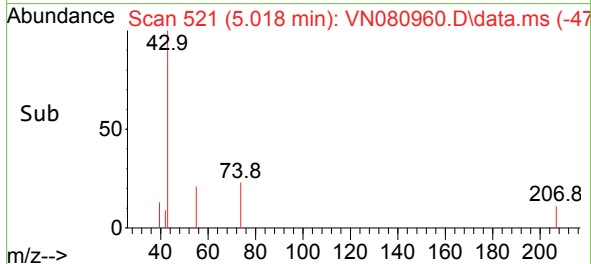


#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Instrument :
MSVOA_N
ClientSampleId :

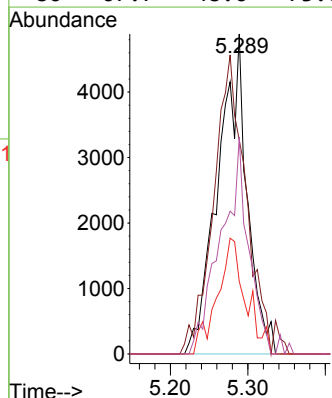
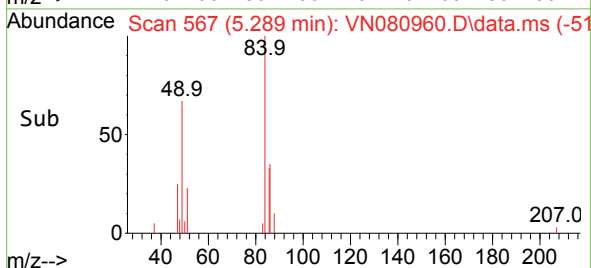
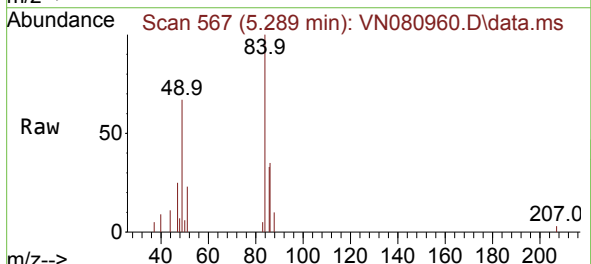


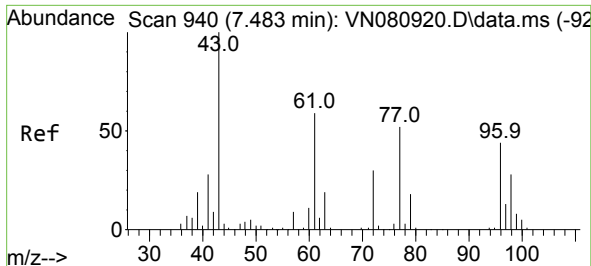
Tgt Ion: 43 Resp: 3441
Ion Ratio Lower Upper
43 100
74 38.2 17.3 25.9#



#20
Methylene Chloride
Concen: 3.166 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Tgt Ion: 84 Resp: 12738
Ion Ratio Lower Upper
84 100
49 66.9 108.1 162.1#
51 22.7 32.9 49.3#
86 67.7 48.6 73.0





#25

2-Butanone

Concen: 3.228 ug/l

RT: 7.489 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN080960.D

Acq: 08 Feb 2024 13:46

Instrument :

MSVOA_N

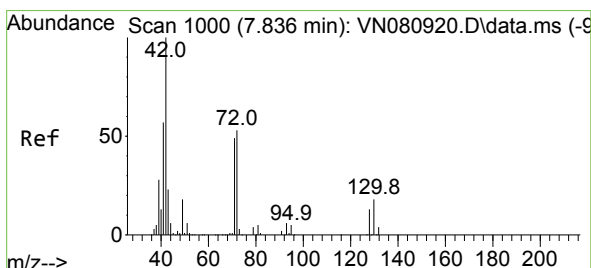
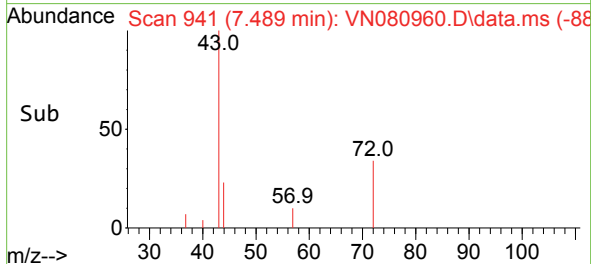
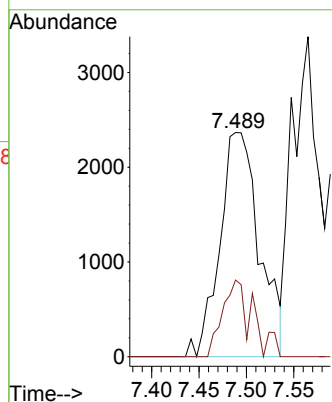
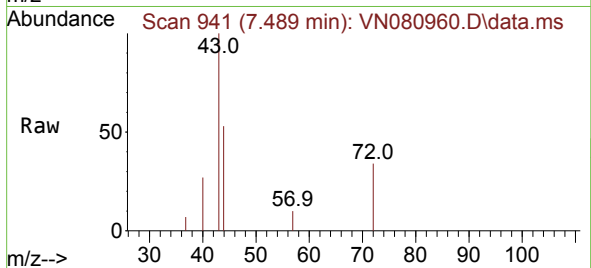
ClientSampleId :

Tgt Ion: 43 Resp: 6879

Ion Ratio Lower Upper

43 100

72 34.2 19.5 29.3#



#29

Tetrahydrofuran

Concen: 0.402 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN080960.D

Acq: 08 Feb 2024 13:46

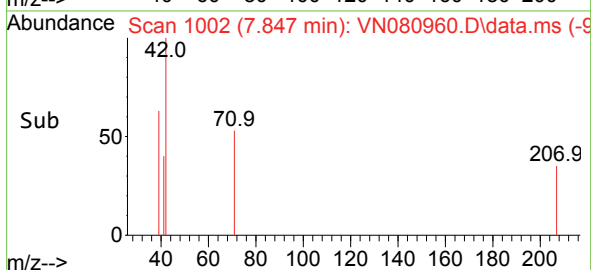
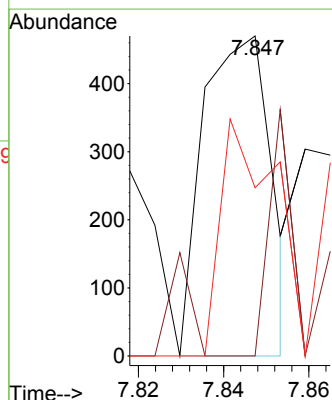
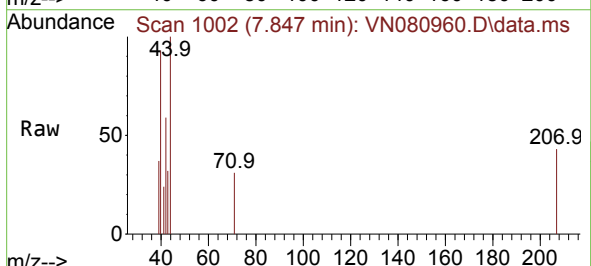
Tgt Ion: 42 Resp: 524

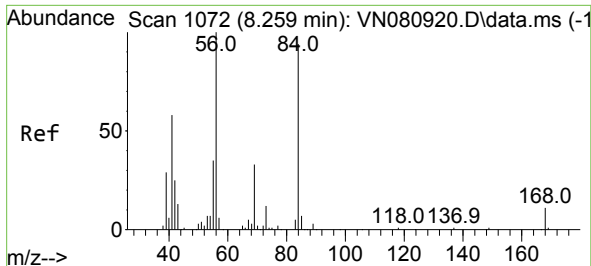
Ion Ratio Lower Upper

42 100

72 34.7 31.1 46.7

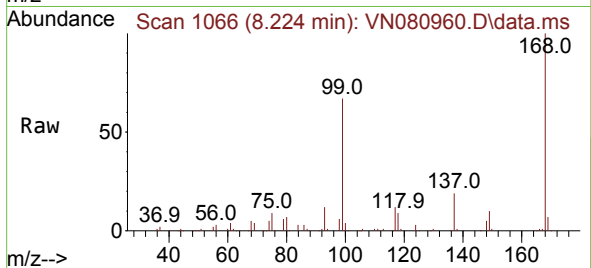
71 59.4 28.3 42.5#



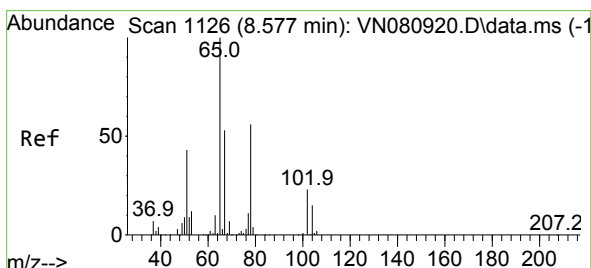
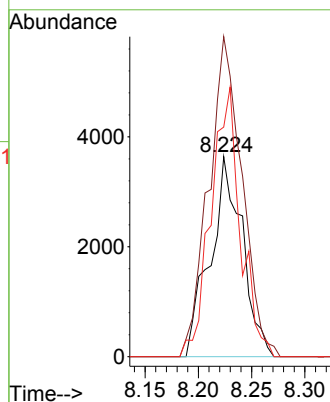
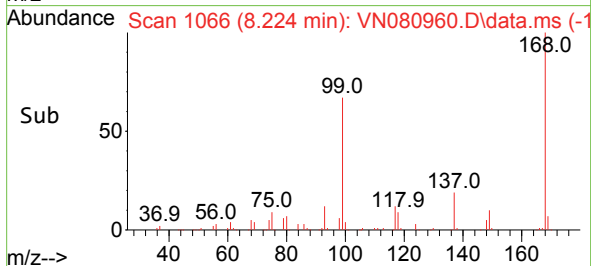


#31
Cyclohexane
Concen: 1.384 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

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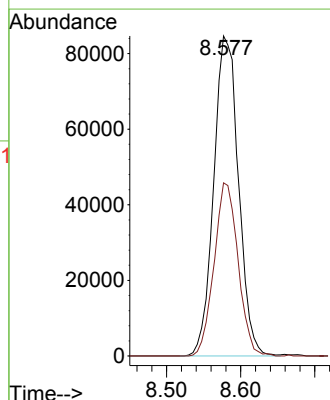
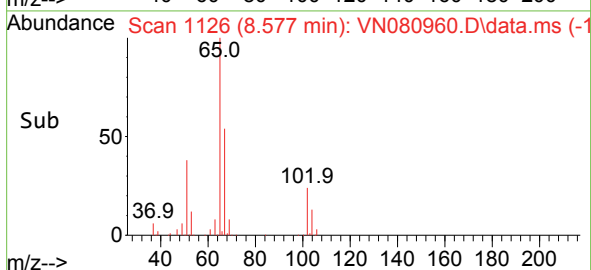
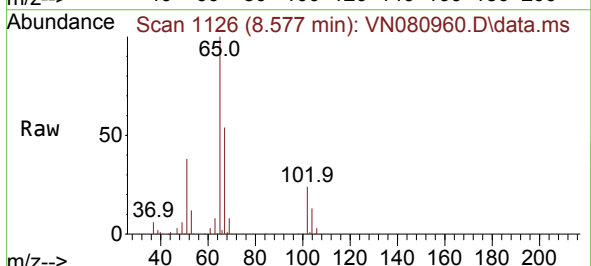


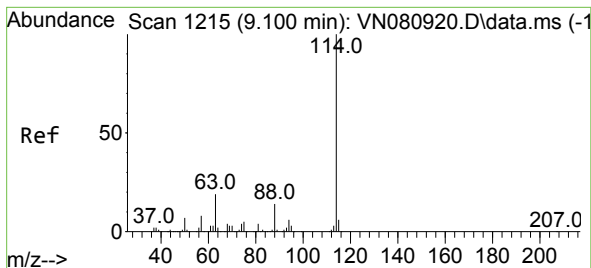
Tgt Ion: 56 Resp: 7632
Ion Ratio Lower Upper
56 100
69 160.0 20.1 30.1#
84 114.8 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 48.657 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Tgt Ion: 65 Resp: 196376
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080960.D

Acq: 08 Feb 2024 13:46

Instrument :

MSVOA_N

ClientSampleId :

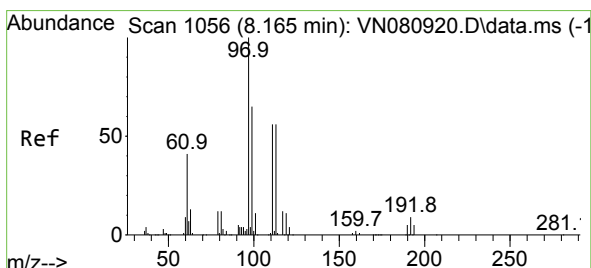
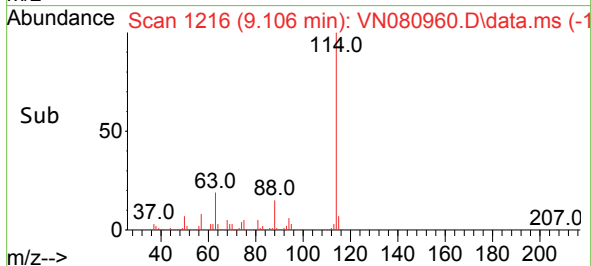
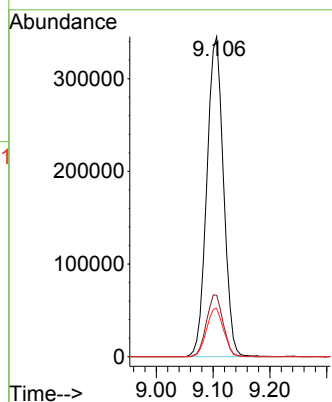
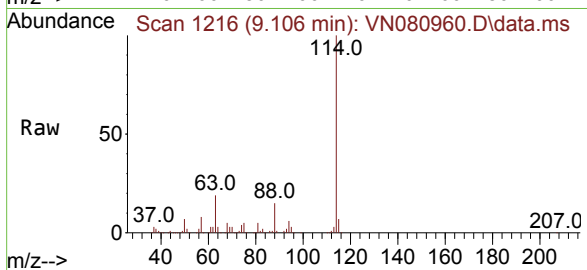
Tgt Ion:114 Resp: 700025

Ion Ratio Lower Upper

114 100

63 19.2 0.0 48.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.932 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080960.D

Acq: 08 Feb 2024 13:46

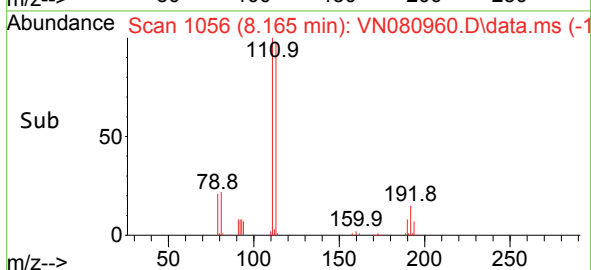
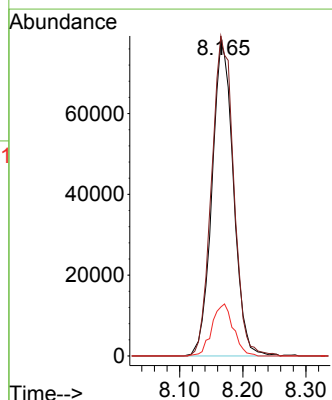
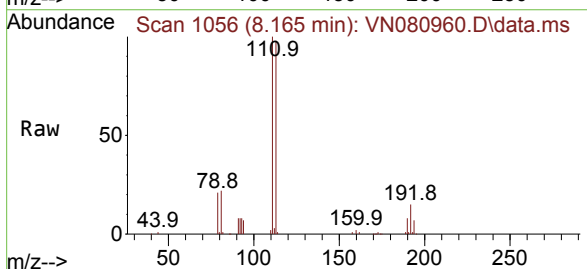
Tgt Ion:113 Resp: 183805

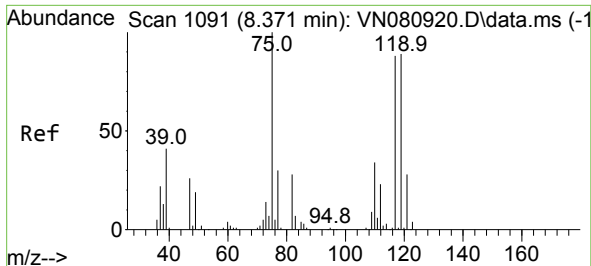
Ion Ratio Lower Upper

113 100

111 105.1 82.2 123.4

192 16.5 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.856 ug/l

RT: 8.224 min Scan# 1091

Delta R.T. -0.147 min

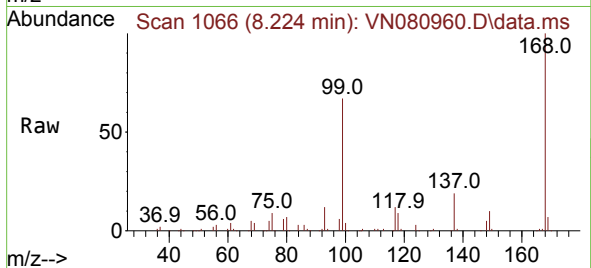
Lab File: VN080960.D

Acq: 08 Feb 2024 13:46

Instrument :

MSVOA_N

ClientSampleId :



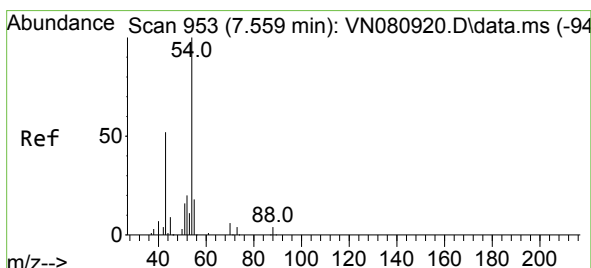
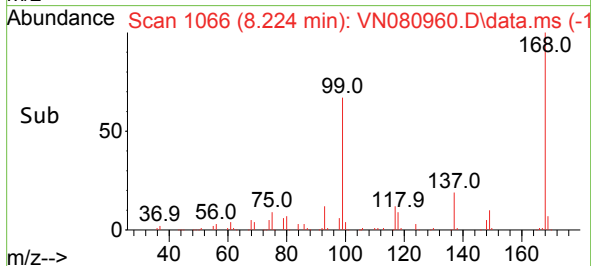
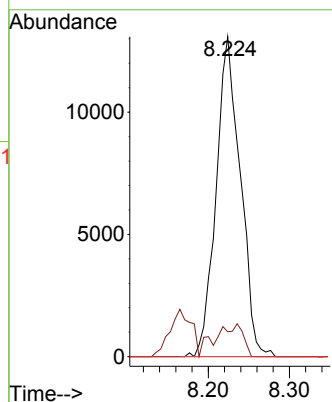
Tgt Ion: 75 Resp: 27138

Ion Ratio Lower Upper

75 100

110 9.1 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.810 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN080960.D

Acq: 08 Feb 2024 13:46

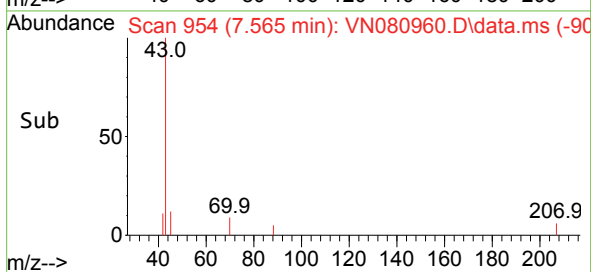
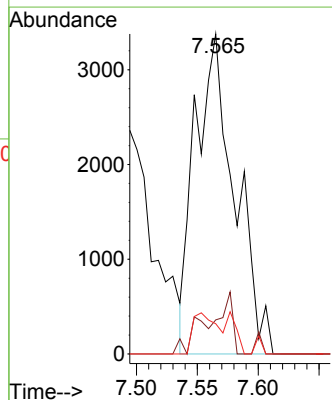
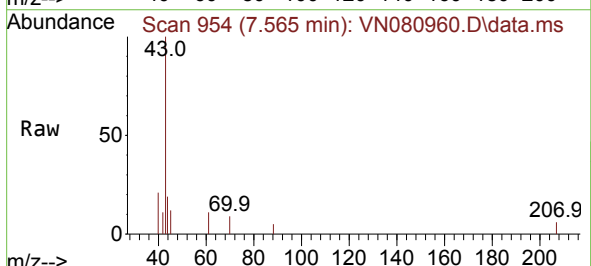
Tgt Ion: 43 Resp: 7653

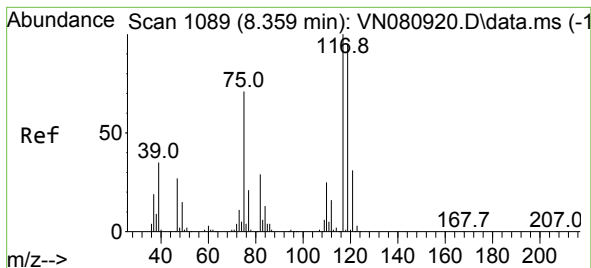
Ion Ratio Lower Upper

43 100

61 6.5 10.6 15.8#

70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.413 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.135 min

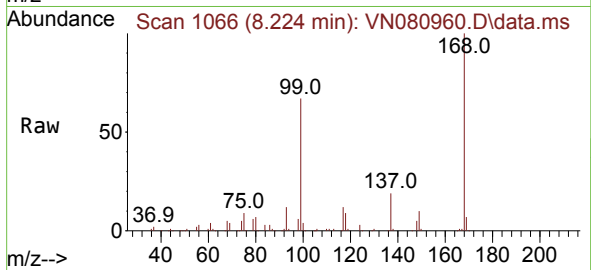
Lab File: VN080960.D

Acq: 08 Feb 2024 13:46

Instrument :

MSVOA_N

ClientSampleId :



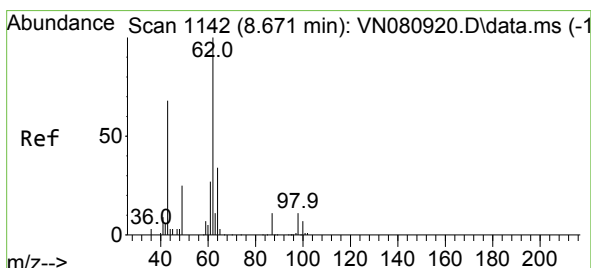
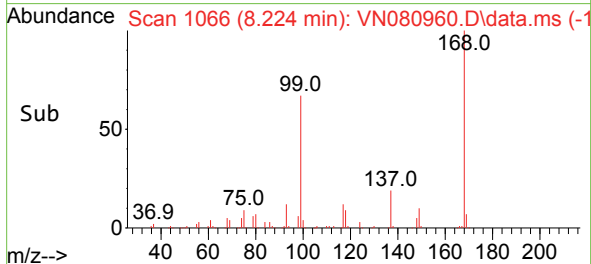
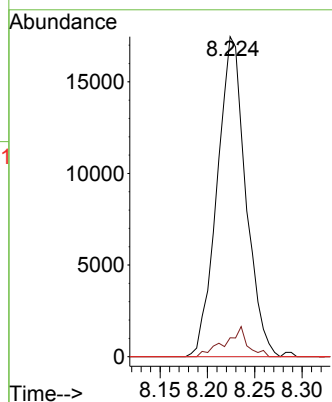
Tgt Ion:117 Resp: 36734

Ion Ratio Lower Upper

117 100

119 5.9 73.4 110.2#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.285 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN080960.D

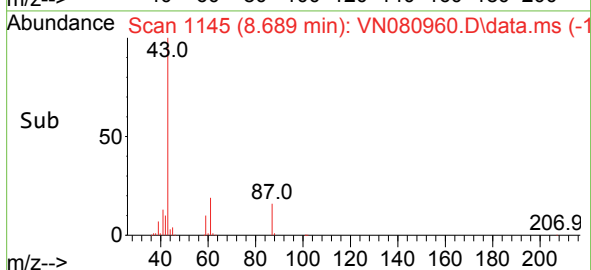
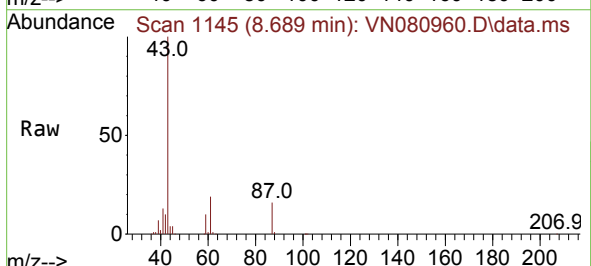
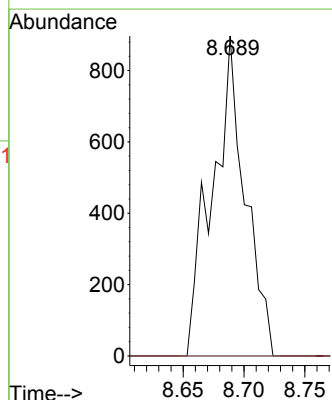
Acq: 08 Feb 2024 13:46

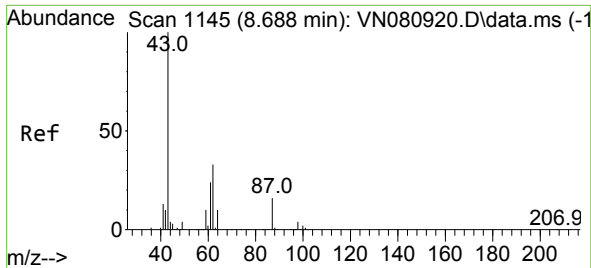
Tgt Ion: 62 Resp: 1688

Ion Ratio Lower Upper

62 100

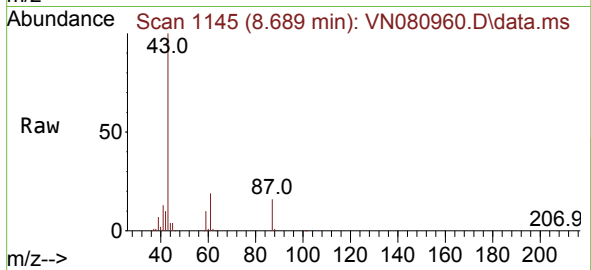
98 0.0 0.0 18.0



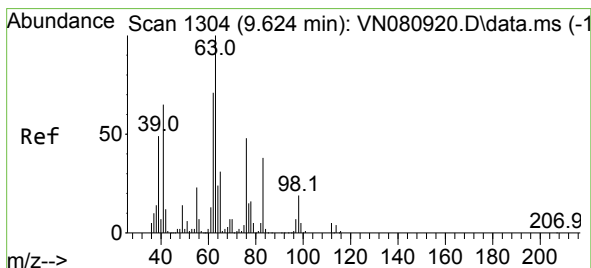
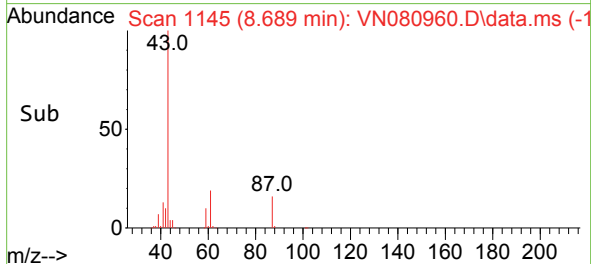
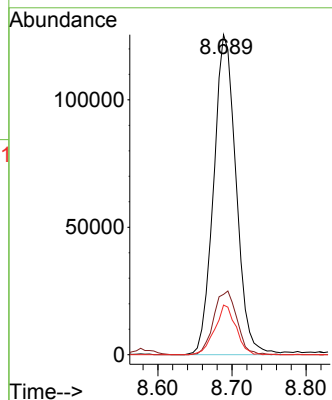


#43
Isopropyl Acetate
Concen: 34.060 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Instrument :
MSVOA_N
ClientSampleId :

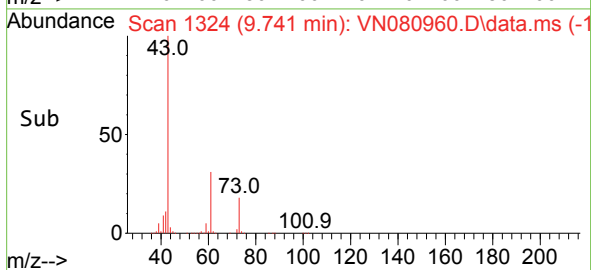
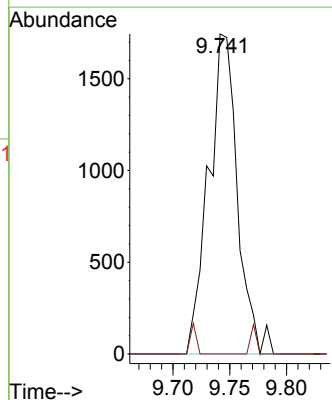
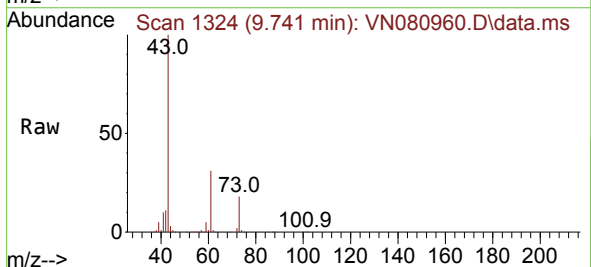


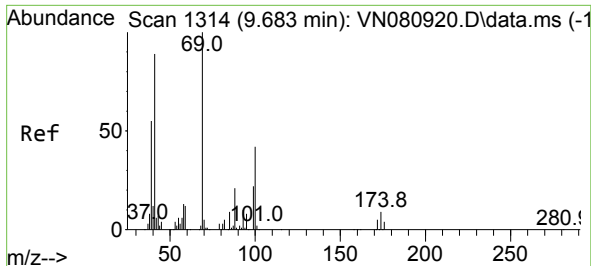
Tgt Ion: 43 Resp: 264834
Ion Ratio Lower Upper
43 100
61 20.6 19.9 29.9
87 14.6 9.0 13.6#



#45
1,2-Dichloropropane
Concen: 0.673 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

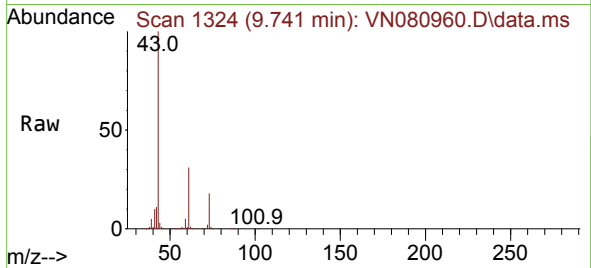
Tgt Ion: 63 Resp: 3088
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



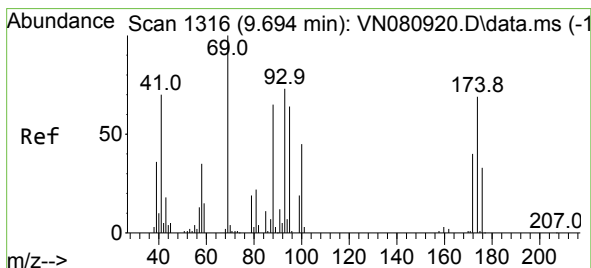
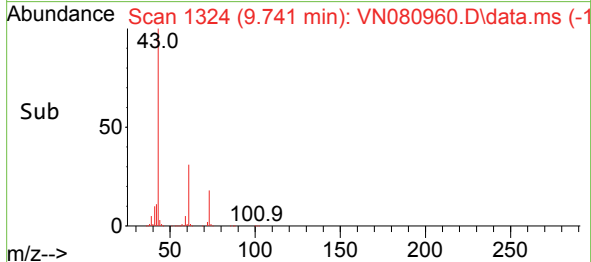
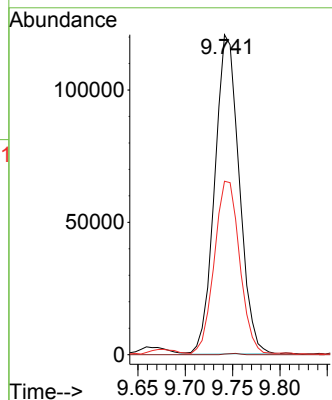


#48
Methyl methacrylate
Concen: 49.492 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Instrument :
MSVOA_N
ClientSampleId :

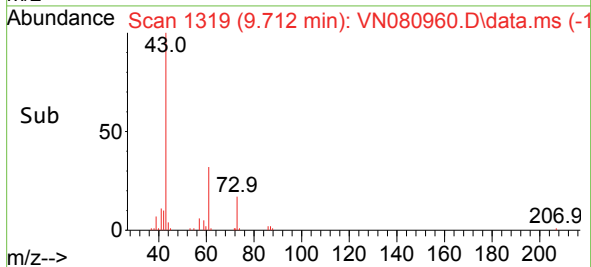
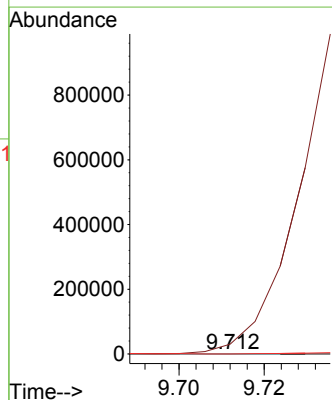
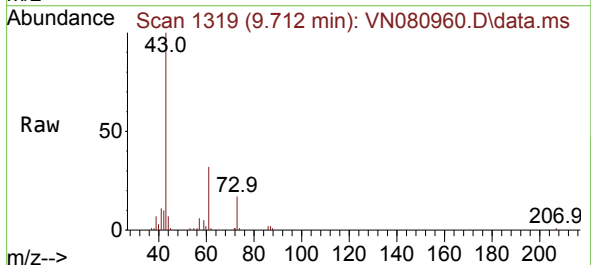


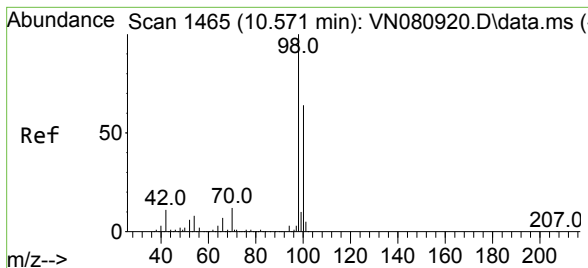
Tgt Ion: 41 Resp: 216814
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.2#
39 55.8 47.6 71.4



#49
1,4-Dioxane
Concen: 0.668 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.018 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

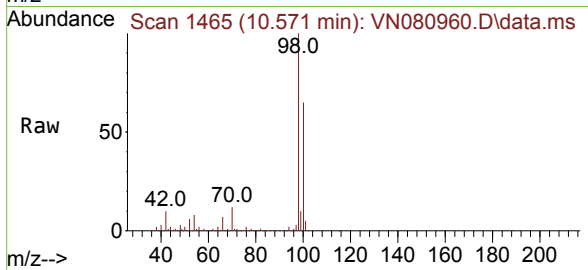
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#



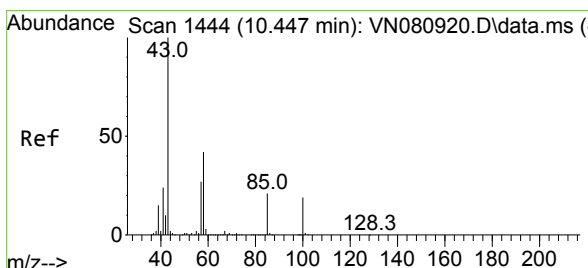
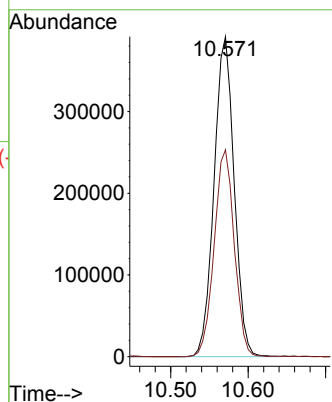
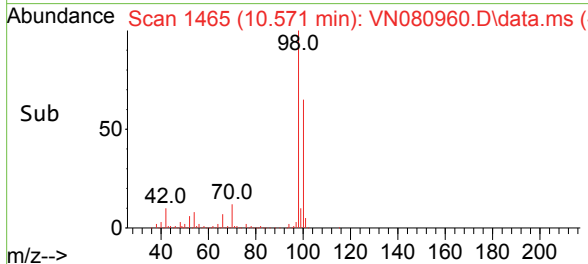


#50
Toluene-d8
Concen: 51.922 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Instrument :
MSVOA_N
ClientSampleId :

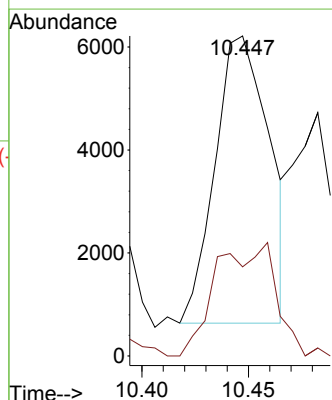
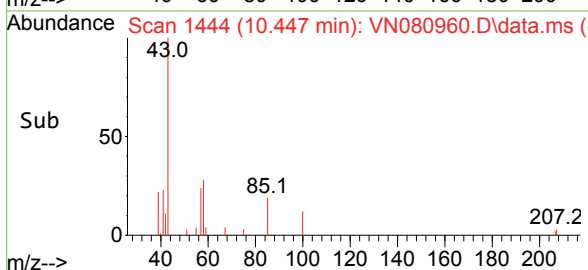
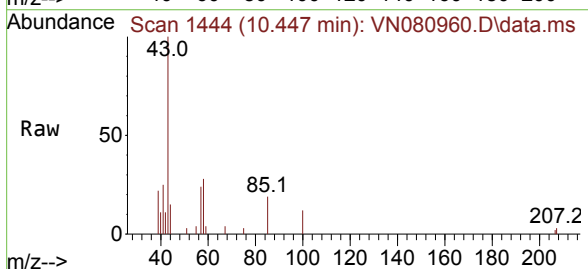


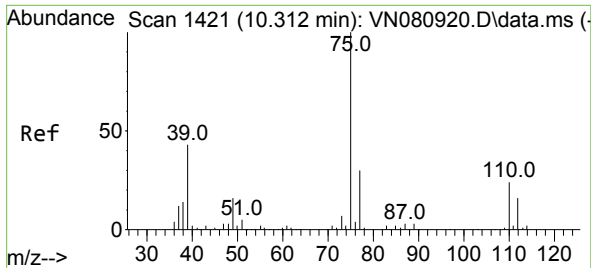
Tgt Ion: 98 Resp: 705464
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.109 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Tgt Ion: 43 Resp: 9884
Ion Ratio Lower Upper
43 100
58 43.7 29.4 44.0

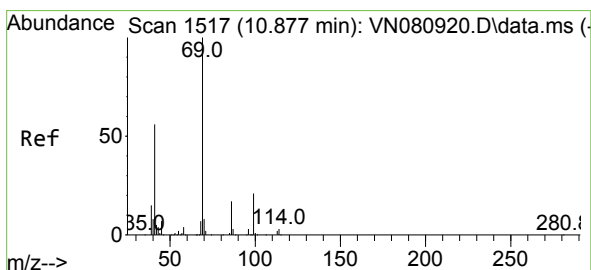
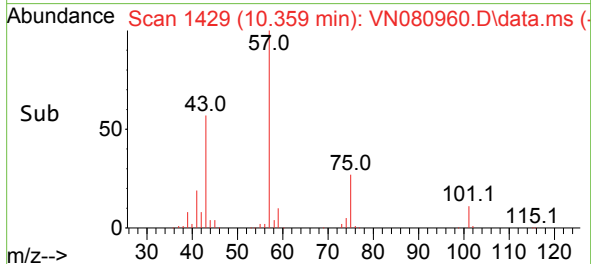
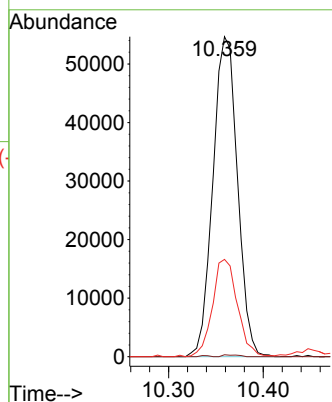
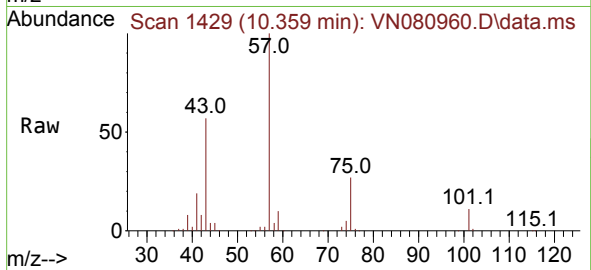




#54
 cis-1,3-Dichloropropene
 Concen: 13.670 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080960.D
 Acq: 08 Feb 2024 13:46

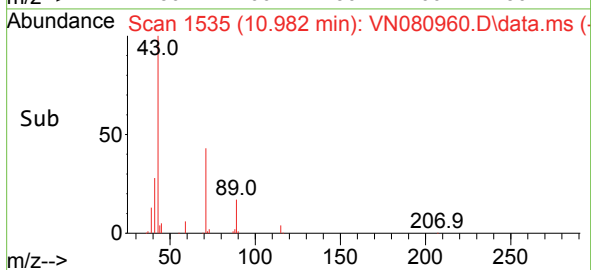
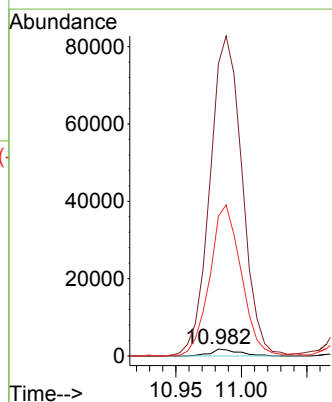
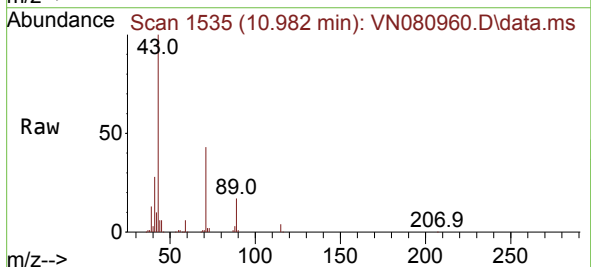
Instrument :
 MSVOA_N
 ClientSampleId :

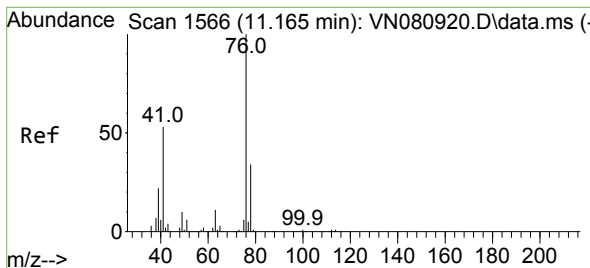
Tgt Ion: 75 Resp: 98564
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.3 34.9#
 39 30.0 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.502 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.105 min
 Lab File: VN080960.D
 Acq: 08 Feb 2024 13:46

Tgt Ion: 69 Resp: 2644
 Ion Ratio Lower Upper
 69 100
 41 5351.0 61.0 91.6#
 39 2482.5 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.875 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN080960.D

Acq: 08 Feb 2024 13:46

Instrument :

MSVOA_N

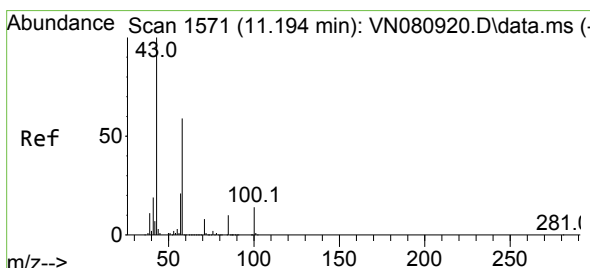
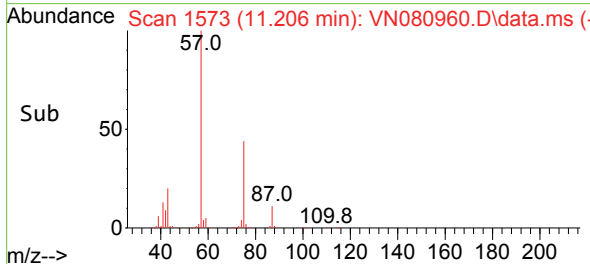
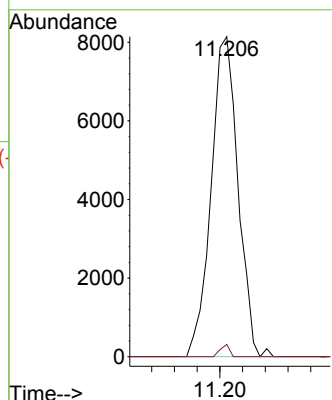
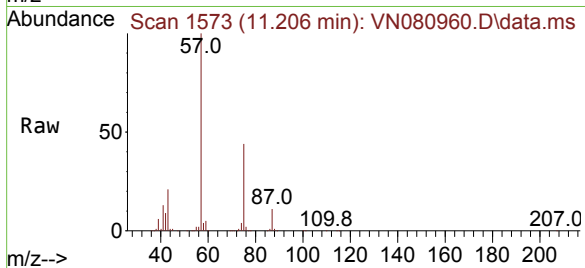
ClientSampleId :

Tgt Ion: 76 Resp: 13396

Ion Ratio Lower Upper

76 100

78 1.3 25.5 38.3#



#59

2-Hexanone

Concen: 57.501 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN080960.D

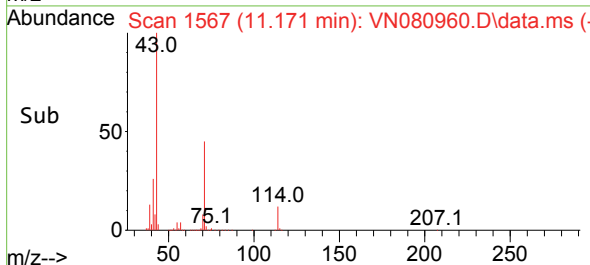
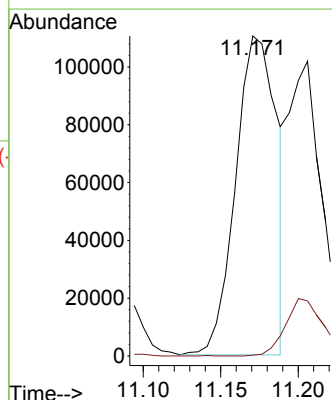
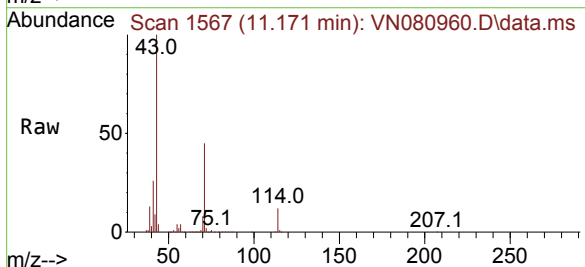
Acq: 08 Feb 2024 13:46

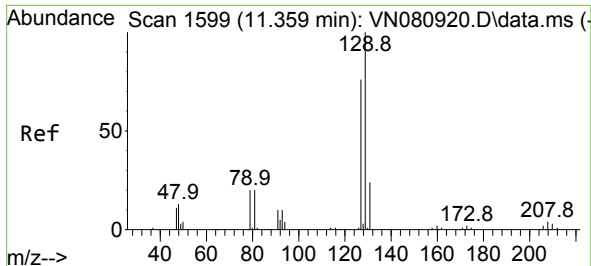
Tgt Ion: 43 Resp: 204215

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

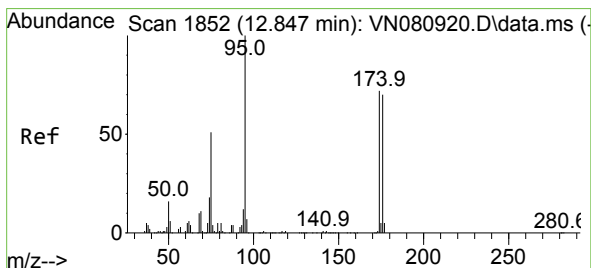
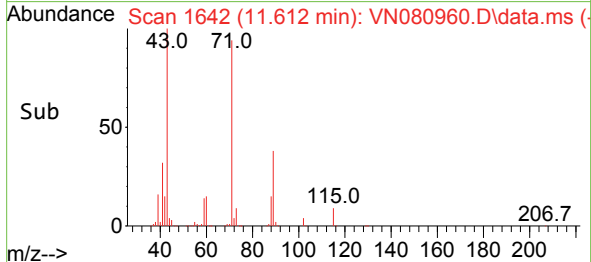
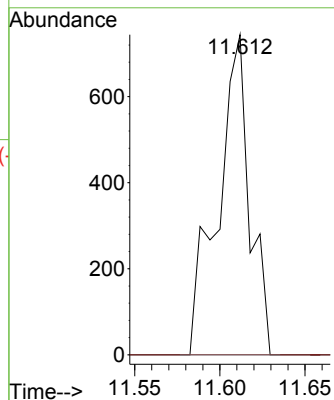
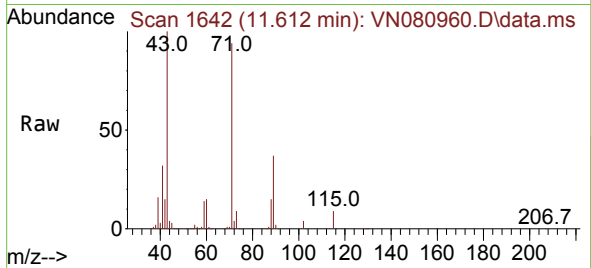




#60
Dibromochloromethane
Concen: 0.216 ug/l
RT: 11.612 min Scan# 11
Delta R.T. 0.253 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

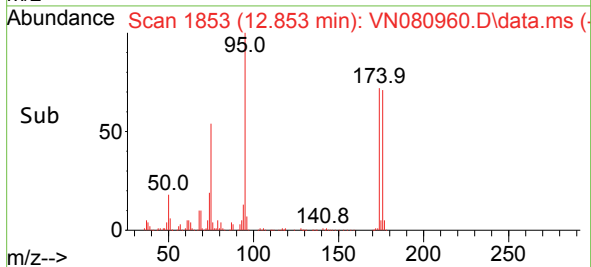
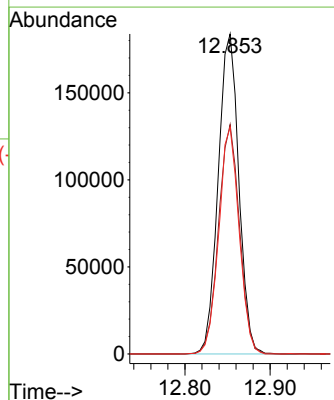
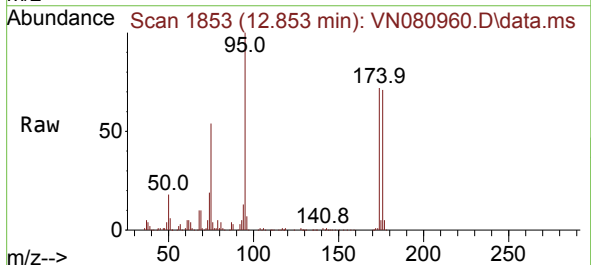
Instrument :
MSVOA_N
ClientSampleId :

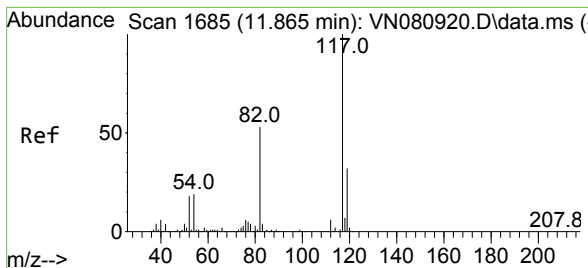
Tgt Ion:129 Resp: 972
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#



#62
4-Bromofluorobenzene
Concen: 62.651 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Tgt Ion: 95 Resp: 309234
Ion Ratio Lower Upper
95 100
174 72.9 0.0 120.4
176 69.8 0.0 121.0

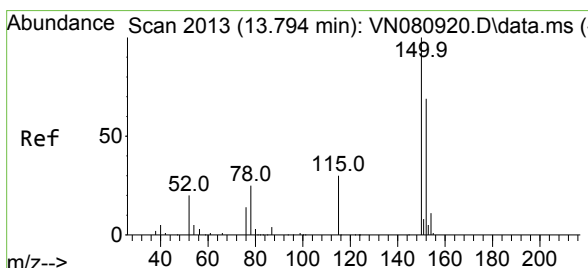
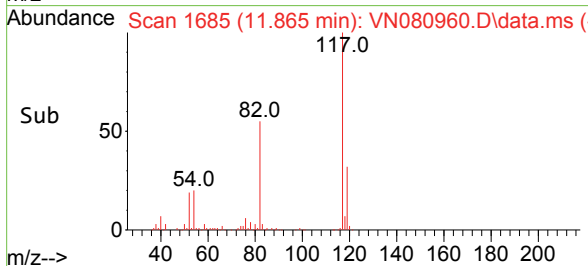
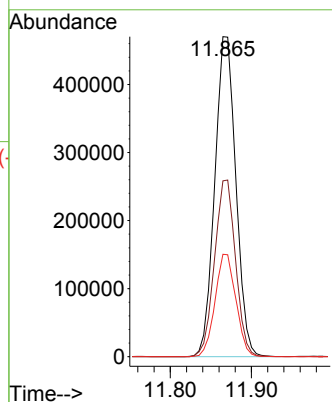
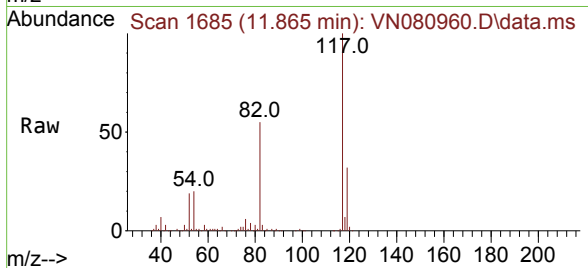




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

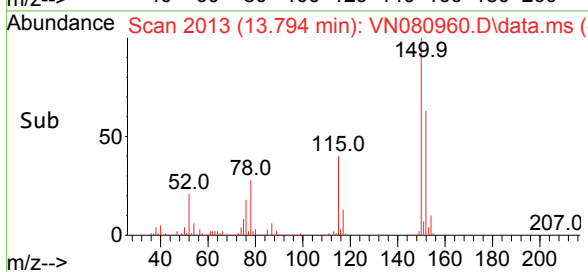
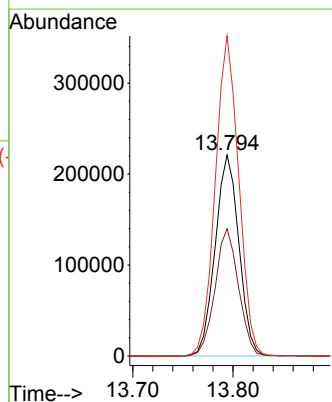
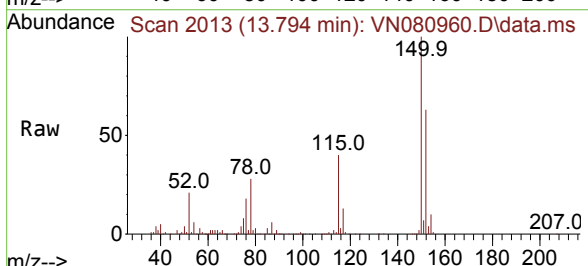
Instrument :
MSVOA_N
ClientSampleId :

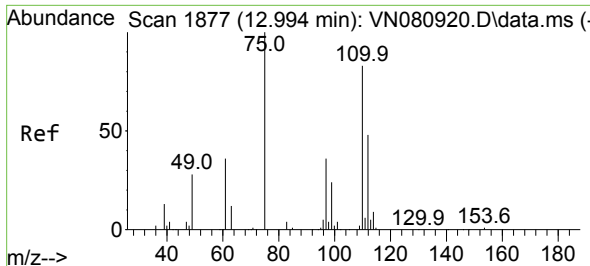
Tgt Ion:117 Resp: 850187
Ion Ratio Lower Upper
117 100
82 55.0 52.7 79.1
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Tgt Ion:152 Resp: 362338
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 157.5 0.0 339.8

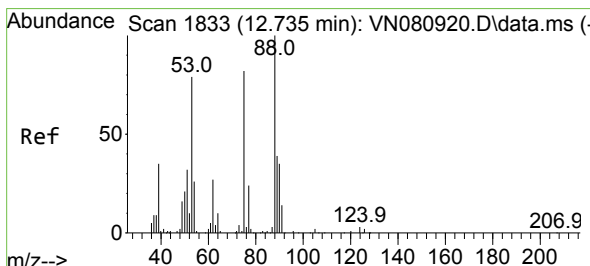
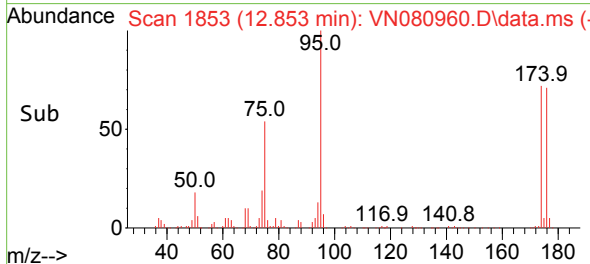
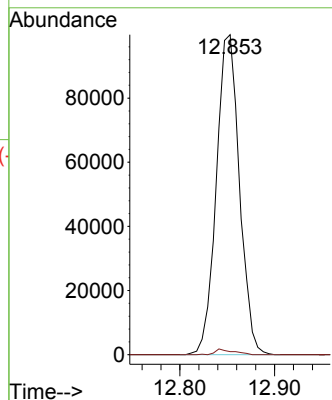
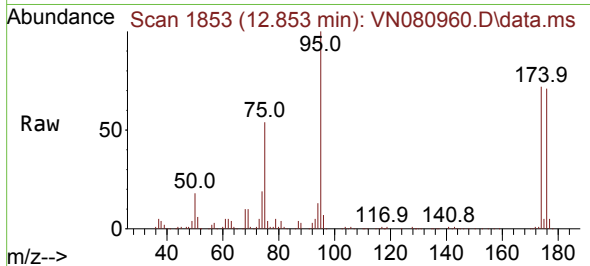




#76
1,2,3-Trichloropropane
Concen: 22.908 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 169243
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.239 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080960.D
Acq: 08 Feb 2024 13:46

Tgt Ion: 75 Resp: 169243
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

