

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
 Data File : VN080691.D
 Acq On : 12 Jan 2024 15:44
 Operator : JC\MD
 Sample : PB158389ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 22:14:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

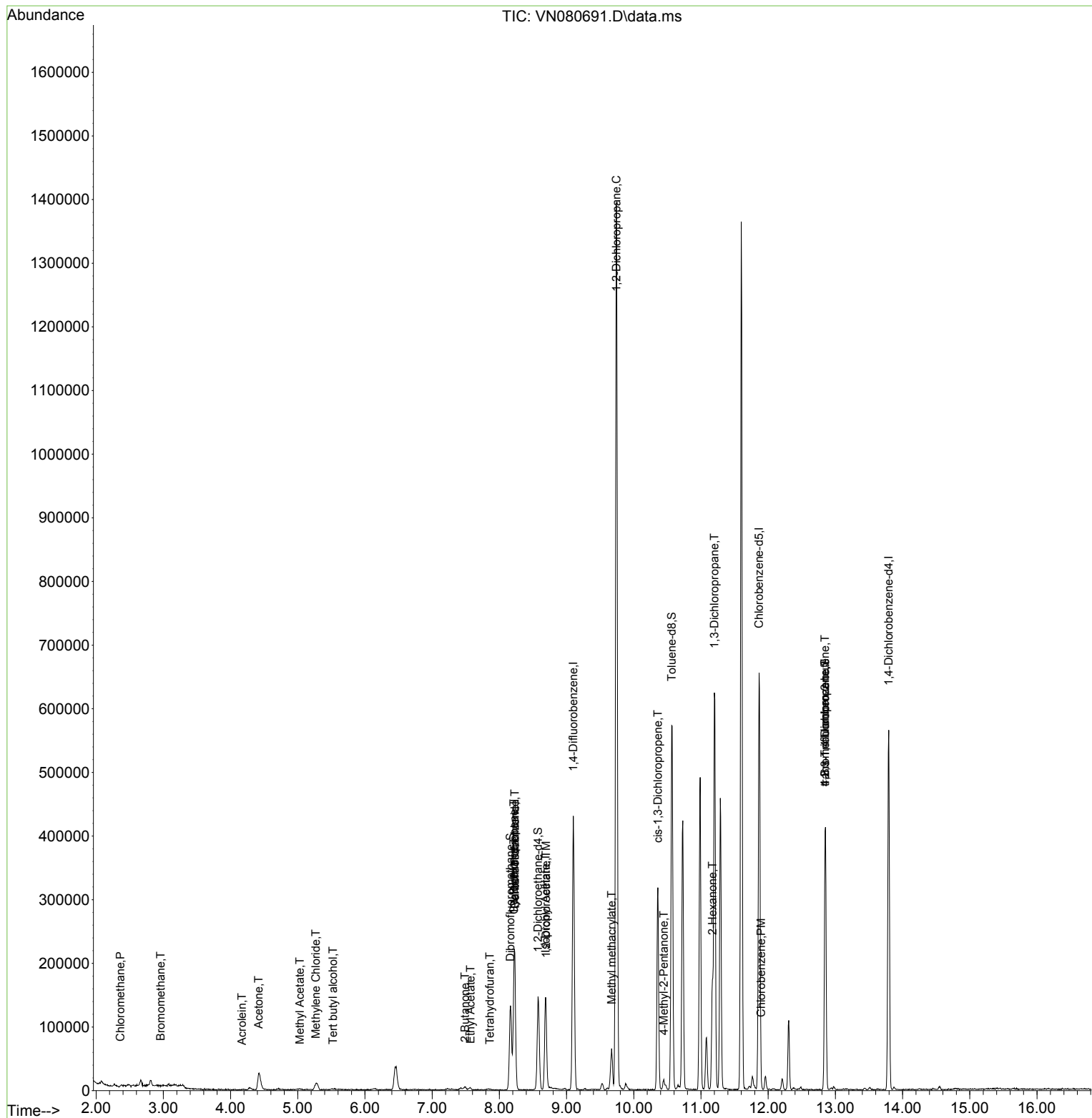
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	149367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	338846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341667	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110829	42.252	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.500%
35) Dibromofluoromethane	8.165	113	92810	48.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.420%
50) Toluene-d8	10.565	98	388884	52.974	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.940%
62) 4-Bromofluorobenzene	12.847	95	150926	53.612	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2902	0.409	ug/l #	73
5) Bromomethane	2.959	94	337	0.403	ug/l #	80
6) Chloroethane	3.071	64	57	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	640	1.443	ug/l #	72
13) Acrolein	4.171	56	557	1.503	ug/l	85
16) Acetone	4.418	43	49496	57.476	ug/l #	84
18) Methyl Acetate	5.030	43	2446	0.954	ug/l #	63
20) Methylene Chloride	5.271	84	7438	2.959	ug/l #	88
25) 2-Butanone	7.488	43	8659	5.563	ug/l #	69
29) Tetrahydrofuran	7.859	42	1039	0.990	ug/l #	43
31) Cyclohexane	8.218	56	4974	1.227	ug/l #	10
36) 1,1-Dichloropropene	8.218	75	14985	3.800	ug/l #	47
37) Ethyl Acetate	7.571	43	4833	1.264	ug/l #	83
38) Carbon Tetrachloride	8.230	117	16946	4.786	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	957	0.225	ug/l #	73
43) Isopropyl Acetate	8.688	43	174802	24.867	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	1790	0.609	ug/l #	45
48) Methyl methacrylate	9.671	41	3934	1.182	ug/l #	26
51) 4-Methyl-2-Pentanone	10.447	43	10725	2.828	ug/l #	86
54) cis-1,3-Dichloropropene	10.359	75	56186	11.565	ug/l #	65
57) 1,3-Dichloropropane	11.200	76	6085	1.363	ug/l #	42
59) 2-Hexanone	11.171	43	146384	52.289	ug/l #	19
65) Chlorobenzene	11.894	112	1514	0.203	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	87351	21.221	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87351	50.027	ug/l #	15

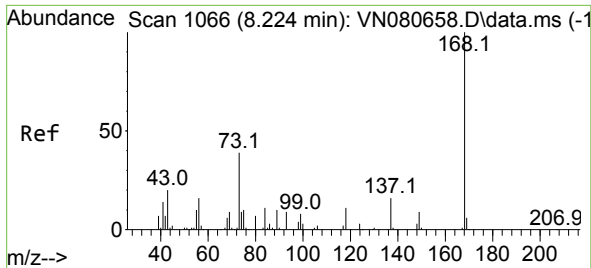
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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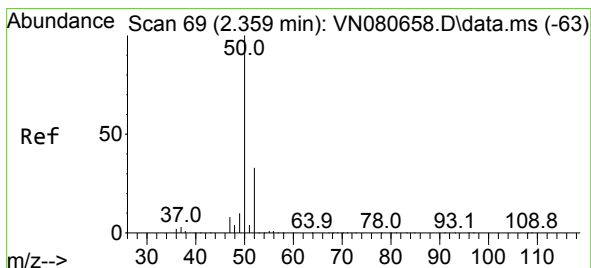
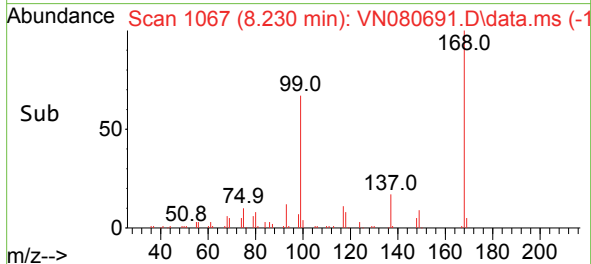
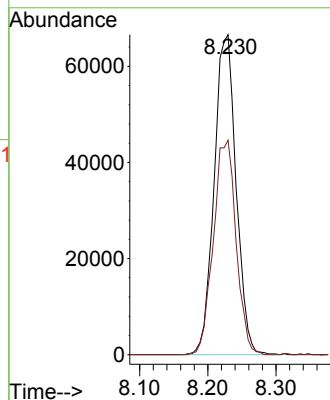
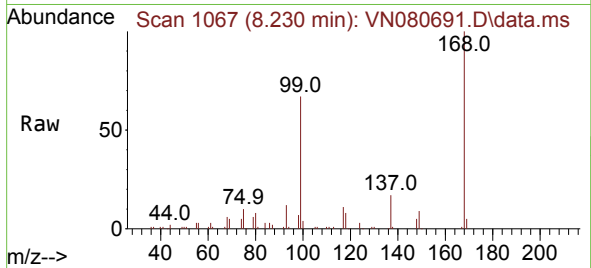




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

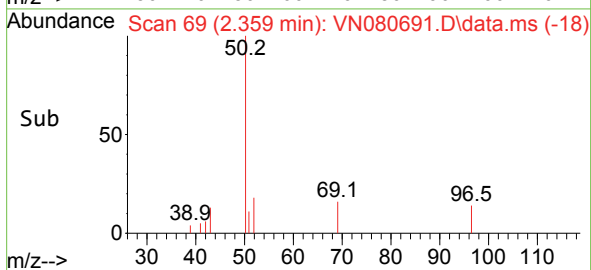
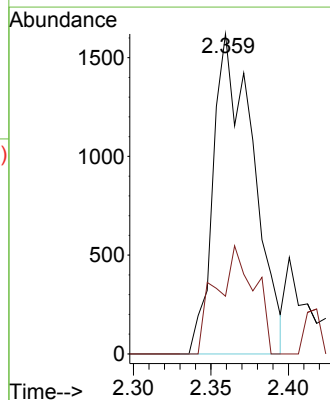
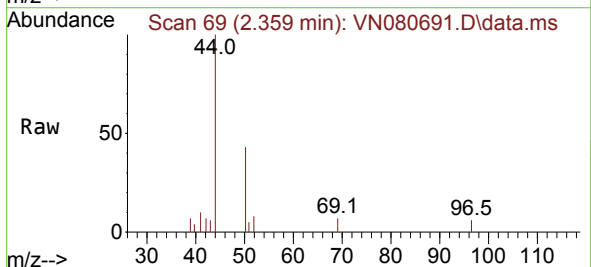
Instrument :
MSVOA_N
ClientSampleId :

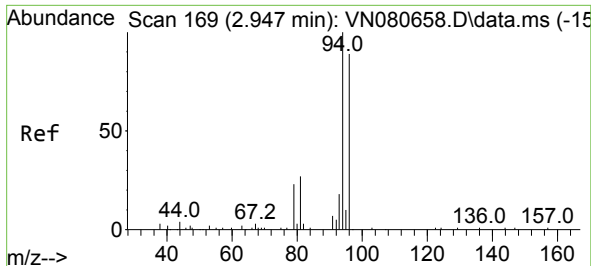
Tgt Ion:168 Resp: 149367
Ion Ratio Lower Upper
168 100
99 67.0 53.0 79.6



#3
Chloromethane
Concen: 0.409 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

Tgt Ion: 50 Resp: 2902
Ion Ratio Lower Upper
50 100
52 18.0 26.5 39.7#

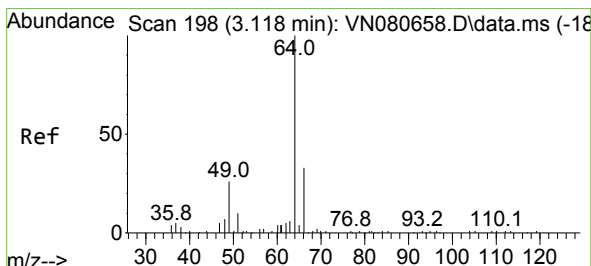
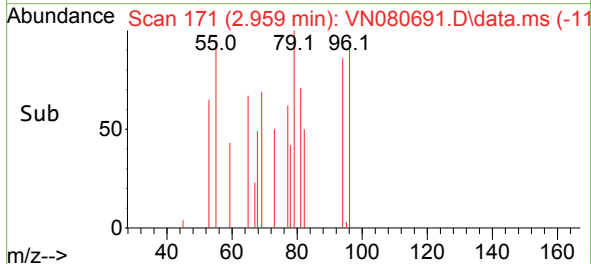
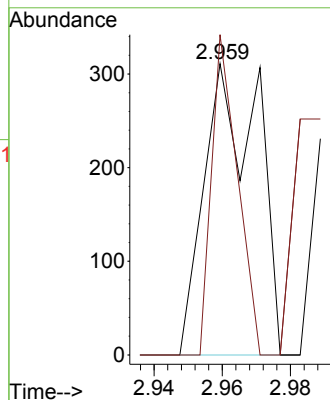
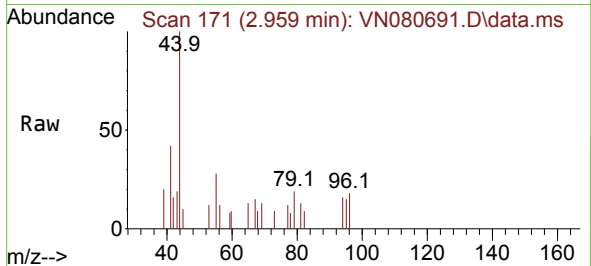




#5
Bromomethane
Concen: 0.403 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

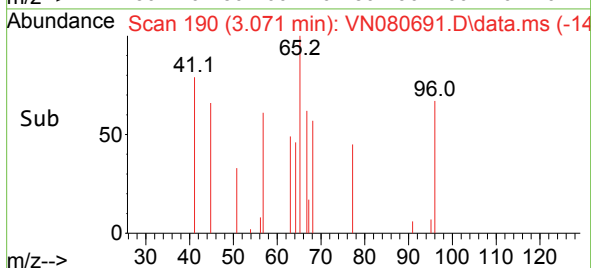
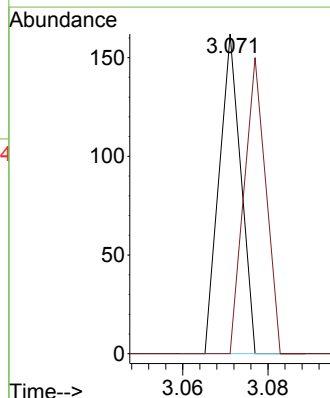
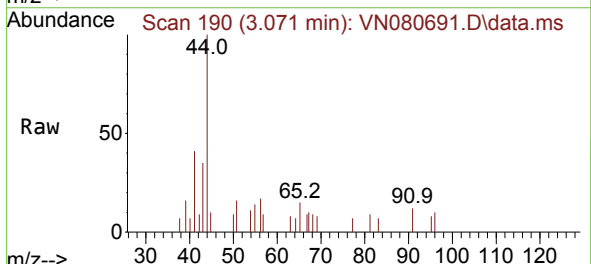
Instrument :
MSVOA_N
ClientSampleId :

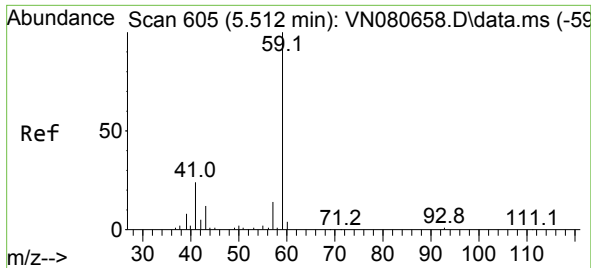
Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 110.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

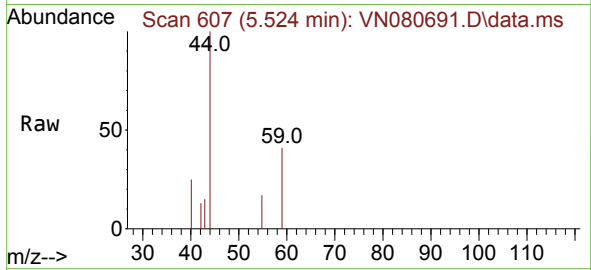
Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



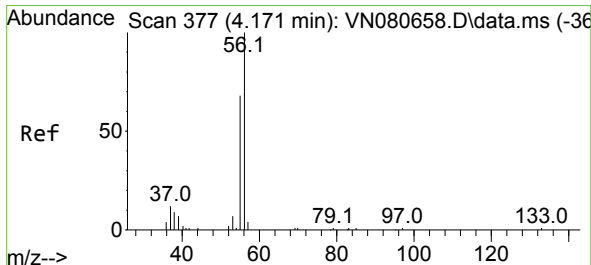
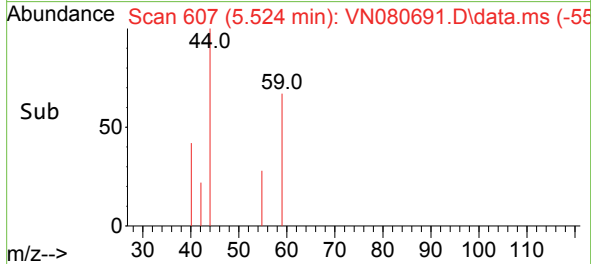
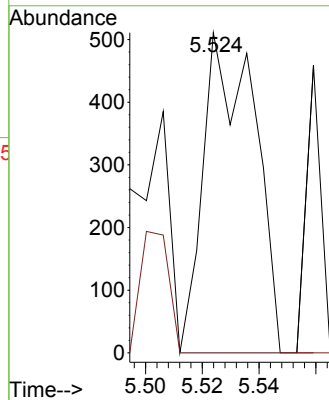


#11
Tert butyl alcohol
Concen: 1.443 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

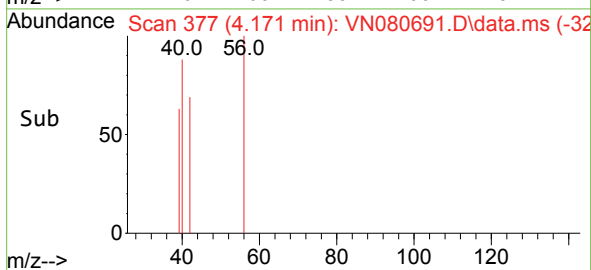
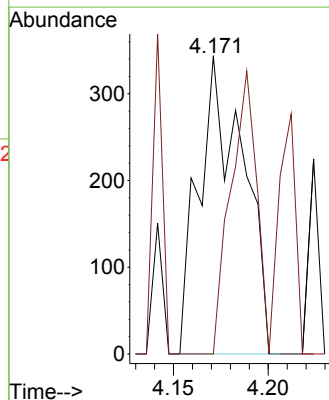
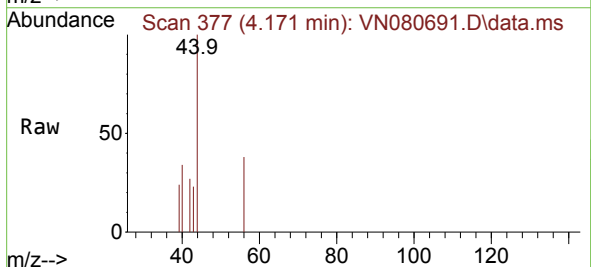


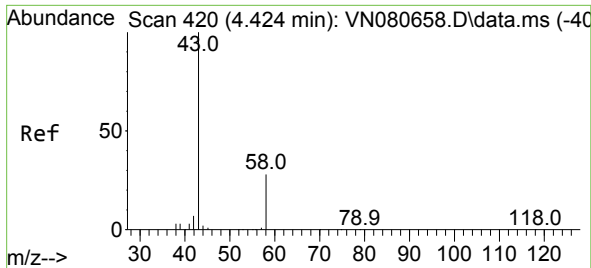
Tgt Ion: 59 Resp: 640
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 1.503 ug/l
RT: 4.171 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

Tgt Ion: 56 Resp: 557
Ion Ratio Lower Upper
56 100
55 55.8 54.5 81.7

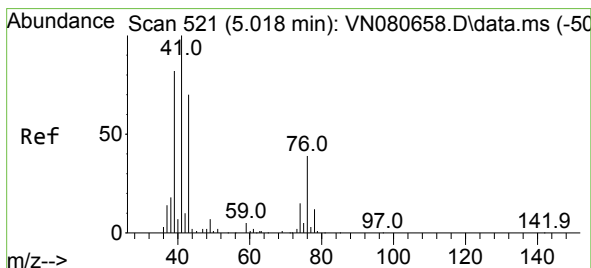
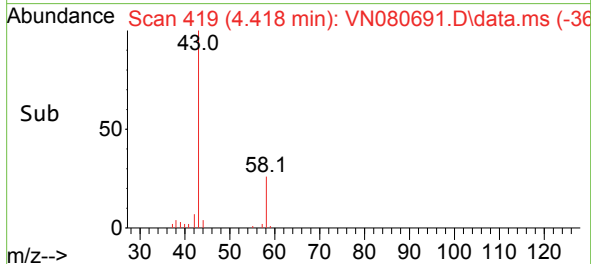
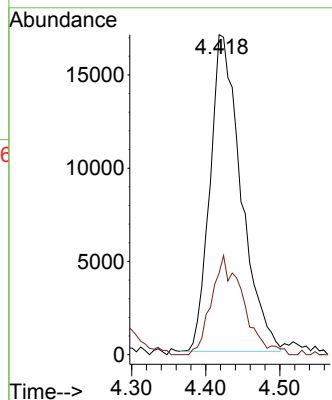
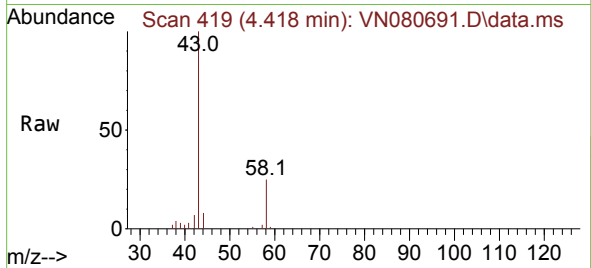




#16
Acetone
Concen: 57.476 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

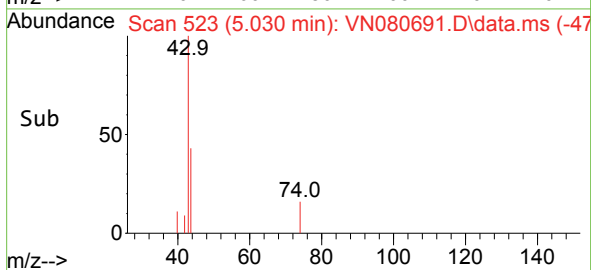
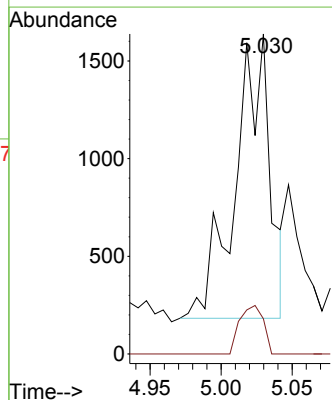
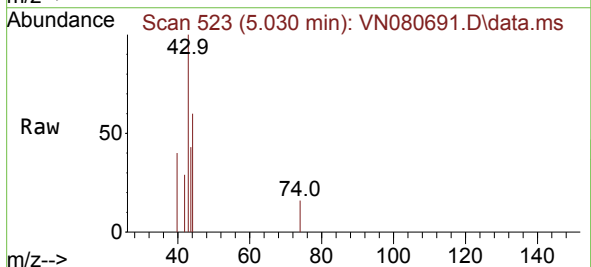
Instrument :
MSVOA_N
ClientSampleId :

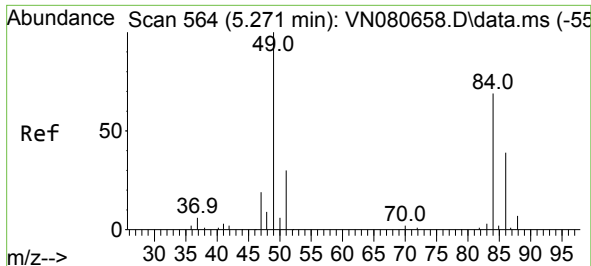
Tgt Ion: 43 Resp: 49496
Ion Ratio Lower Upper
43 100
58 25.7 28.0 42.0#



#18
Methyl Acetate
Concen: 0.954 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

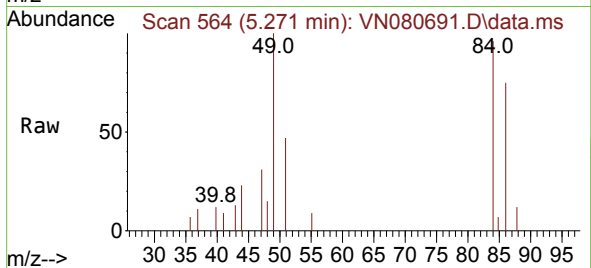
Tgt Ion: 43 Resp: 2446
Ion Ratio Lower Upper
43 100
74 11.8 26.2 39.4#



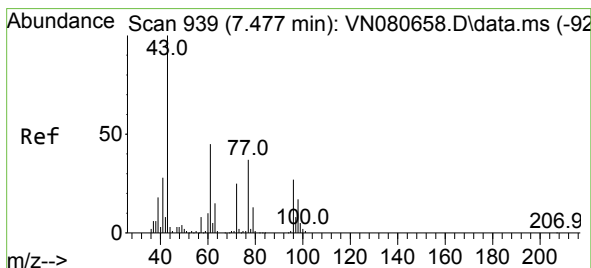
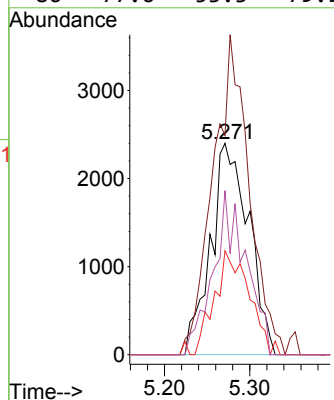


#20
Methylene Chloride
Concen: 2.959 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

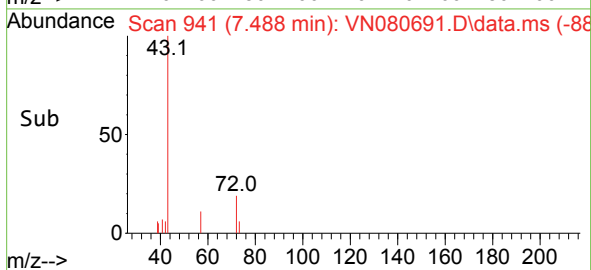
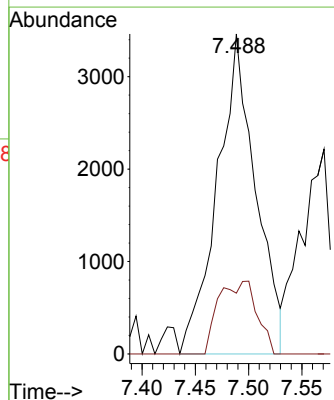
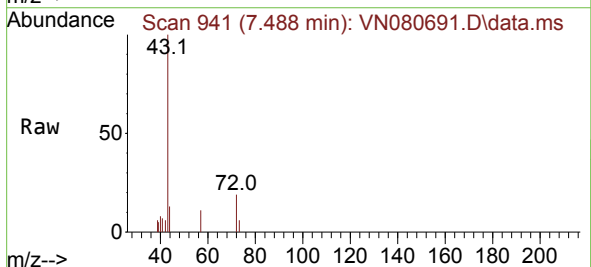


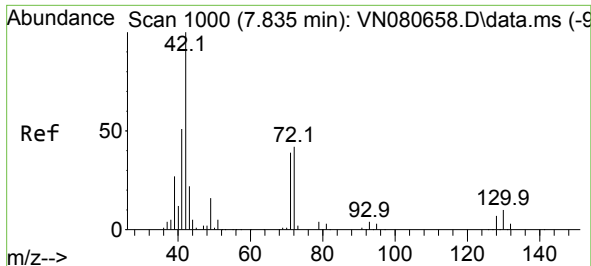
Tgt Ion: 84	Resp: 7438
Ion Ratio	Lower Upper
84 100	
49 103.8	79.7 119.5
51 49.2	25.2 37.8#
86 77.6	53.3 79.9



#25
2-Butanone
Concen: 5.563 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

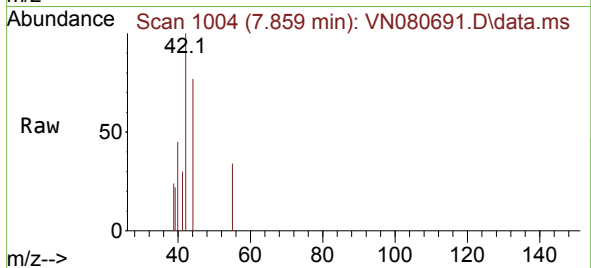
Tgt Ion: 43	Resp: 8659
Ion Ratio	Lower Upper
43 100	
72 19.0	30.2 45.2#



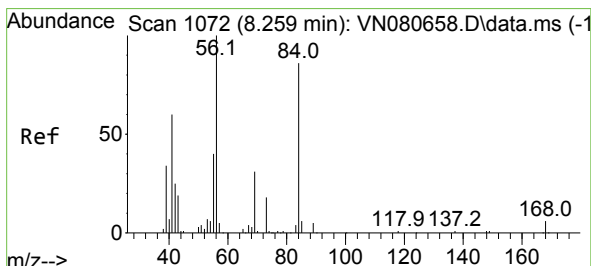
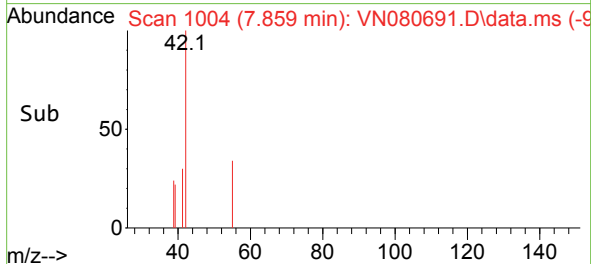
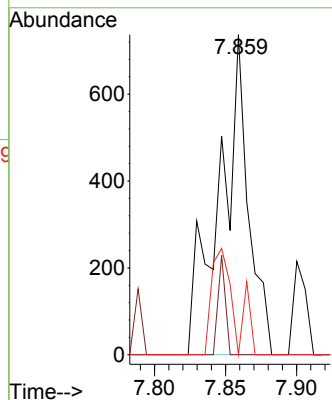


#29
Tetrahydrofuran
Concen: 0.990 ug/l
RT: 7.859 min Scan# 1039
Delta R.T. 0.024 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

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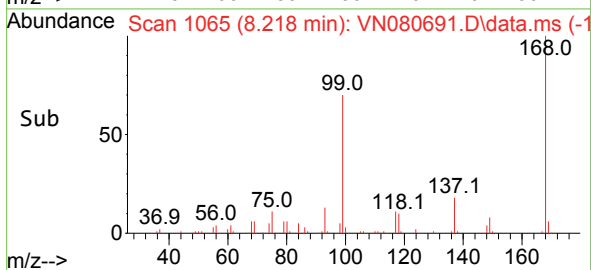
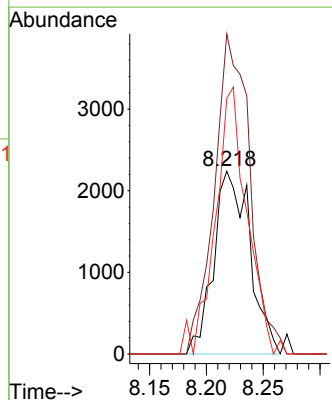
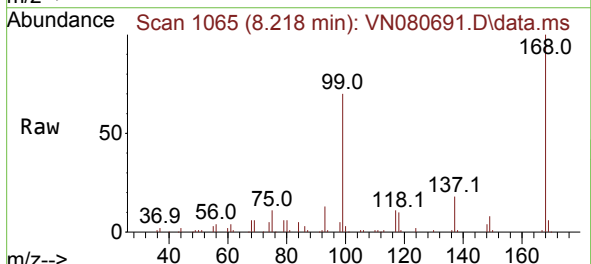


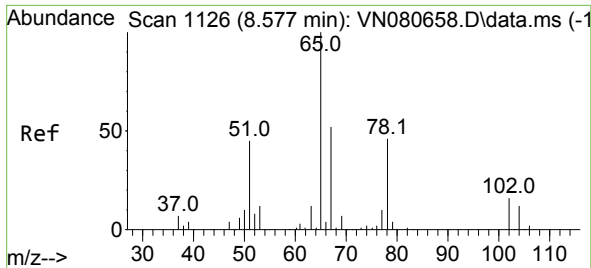
Tgt Ion: 42 Resp: 1039
Ion Ratio Lower Upper
42 100
72 7.8 49.8 74.6#
71 26.7 47.4 71.2#



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

Tgt Ion: 56 Resp: 4974
Ion Ratio Lower Upper
56 100
69 175.2 26.8 40.2#
84 140.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 42.252 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

Instrument :

MSVOA_N

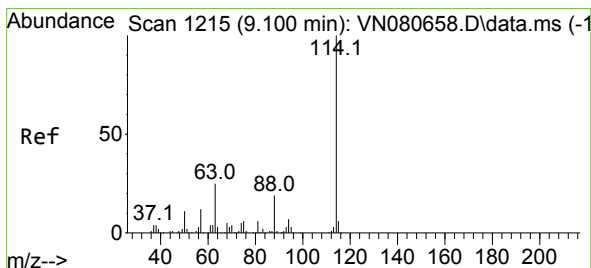
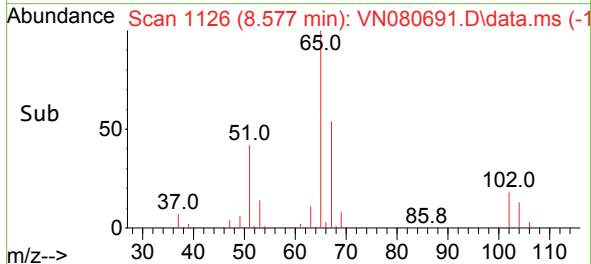
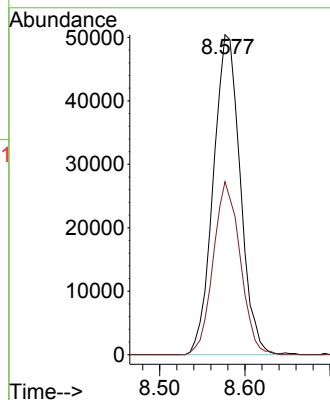
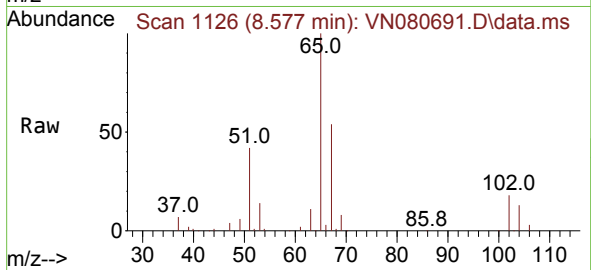
ClientSampleId :

Tgt Ion: 65 Resp: 110829

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

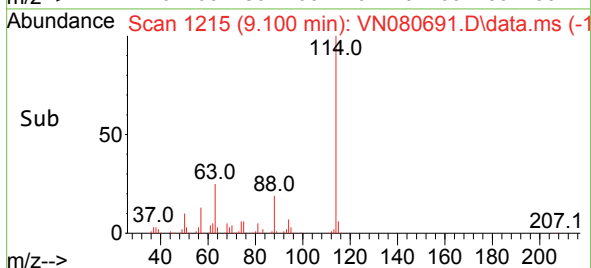
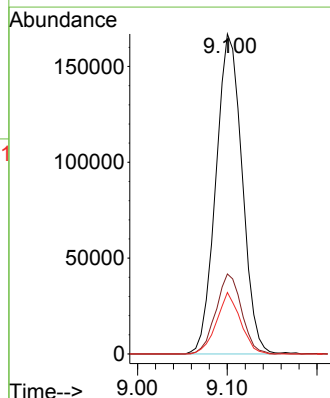
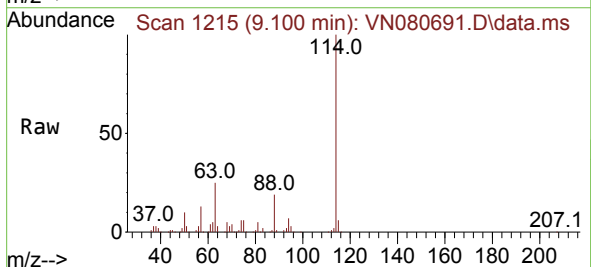
Tgt Ion: 114 Resp: 338846

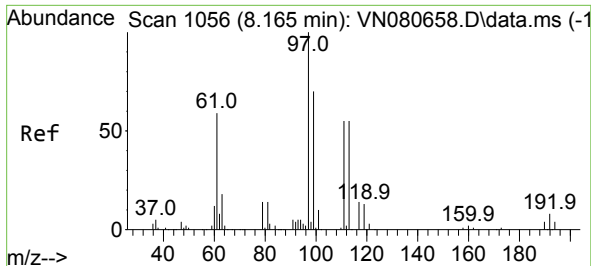
Ion Ratio Lower Upper

114 100

63 25.0 0.0 36.4

88 19.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.207 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.000 min

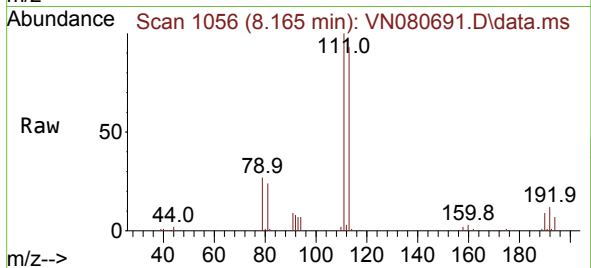
Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

Instrument :

MSVOA_N

ClientSampleId :



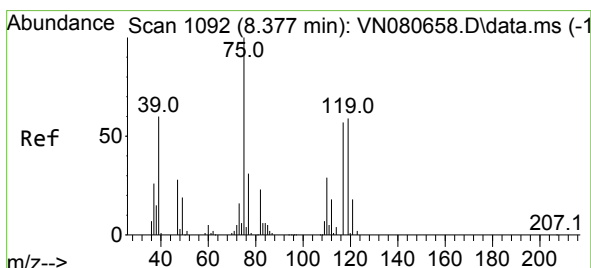
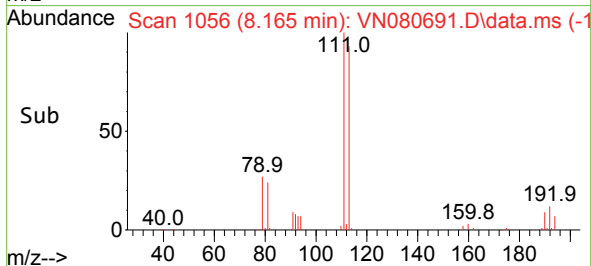
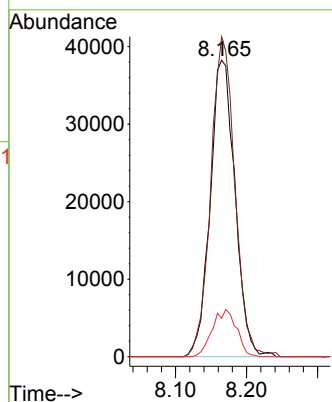
Tgt Ion:113 Resp: 92810

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 15.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 3.800 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.159 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

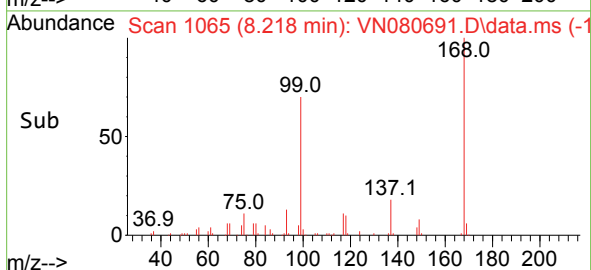
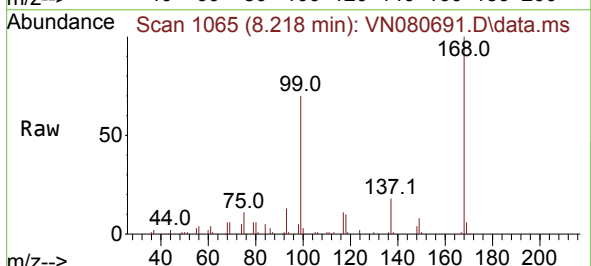
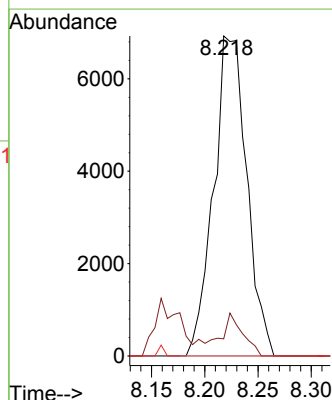
Tgt Ion: 75 Resp: 14985

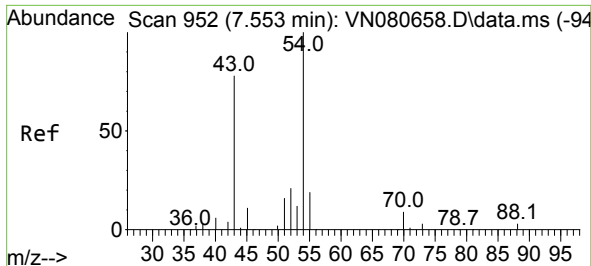
Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.264 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.018 min

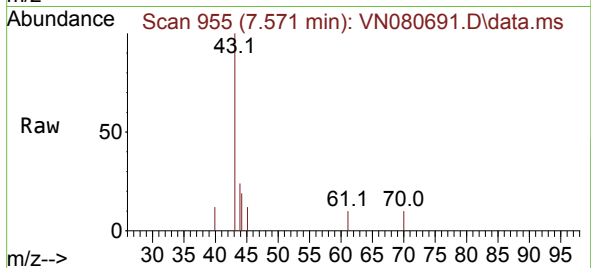
Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

Instrument :

MSVOA_N

ClientSampleId :



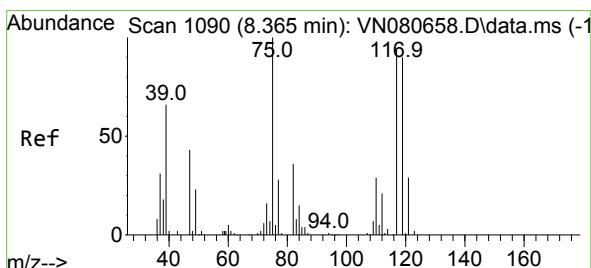
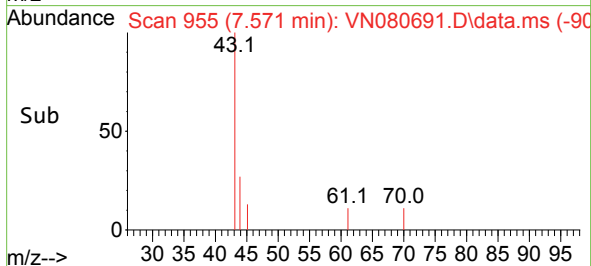
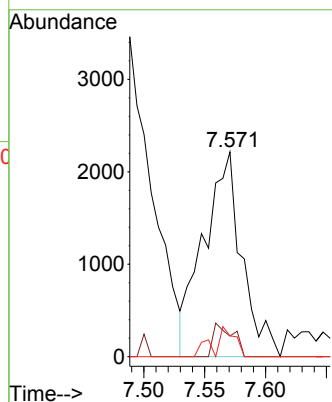
Tgt Ion: 43 Resp: 4833

Ion Ratio Lower Upper

43 100

61 8.4 13.2 19.8#

70 8.0 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.786 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

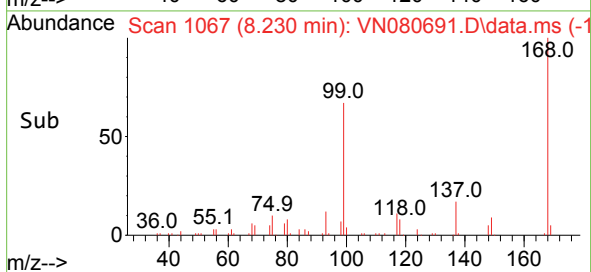
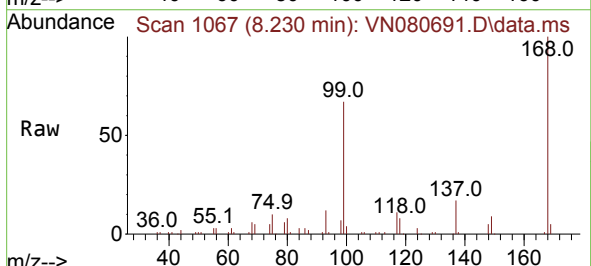
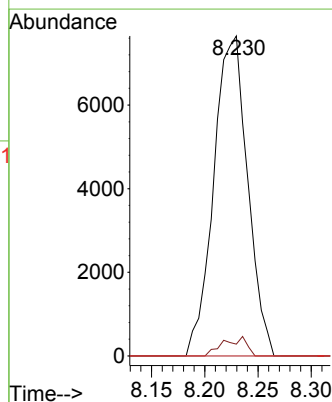
Tgt Ion: 117 Resp: 16946

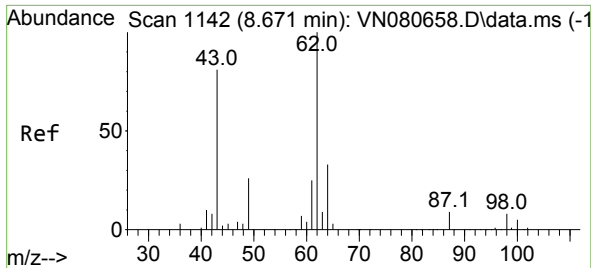
Ion Ratio Lower Upper

117 100

119 3.7 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.225 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

Instrument :

MSVOA_N

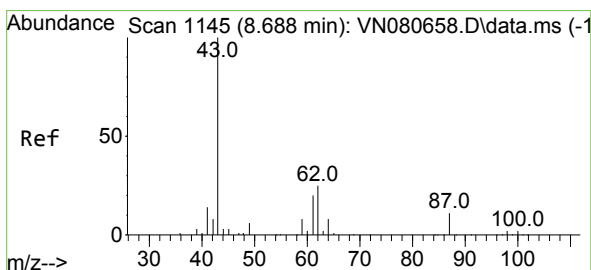
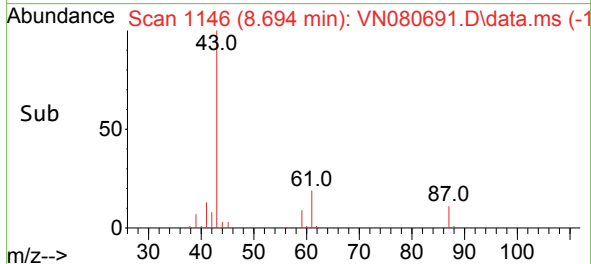
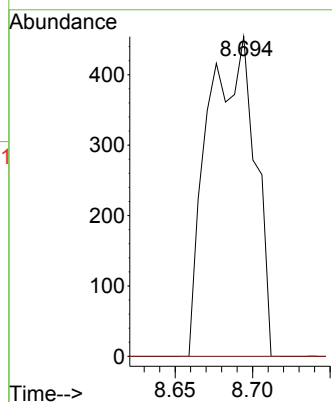
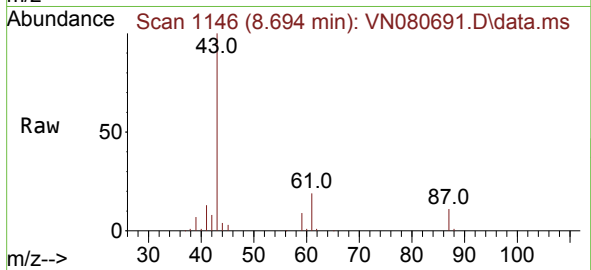
ClientSampleId :

Tgt Ion: 62 Resp: 957

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 24.867 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

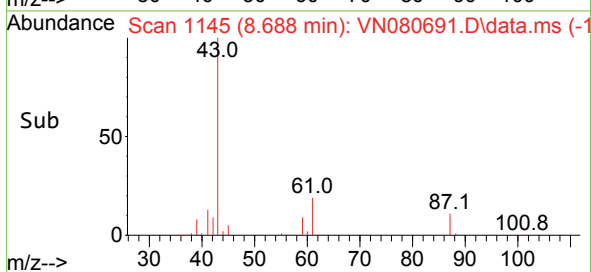
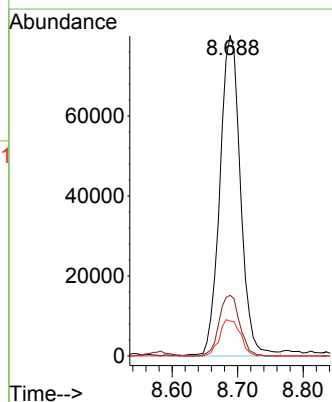
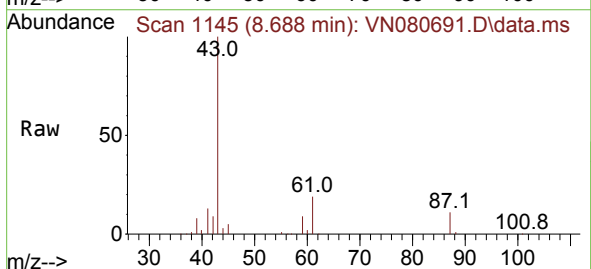
Tgt Ion: 43 Resp: 174802

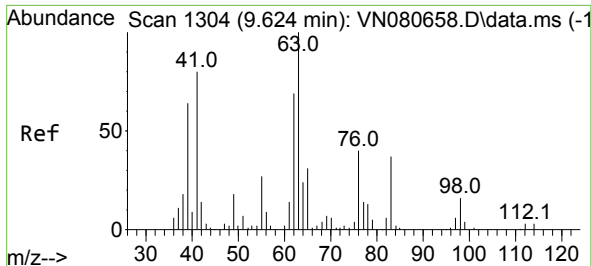
Ion Ratio Lower Upper

43 100

61 18.8 24.7 37.1#

87 11.4 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.609 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.118 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

Instrument :

MSVOA_N

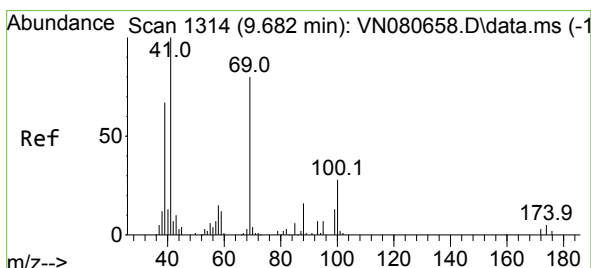
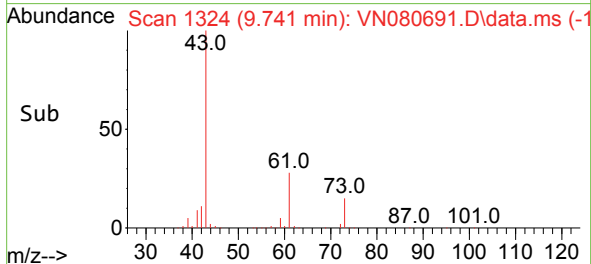
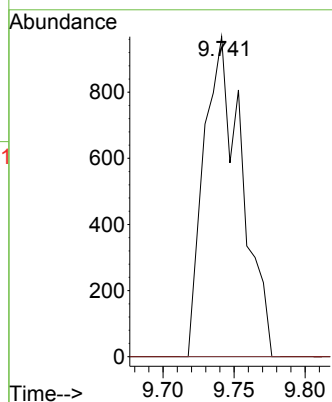
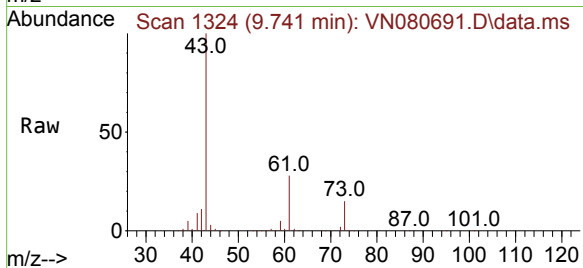
ClientSampleId :

Tgt Ion: 63 Resp: 1790

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.182 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

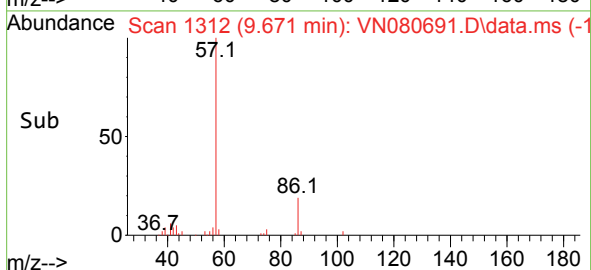
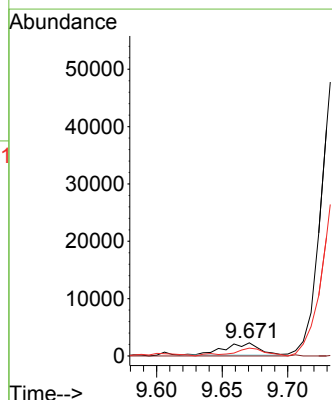
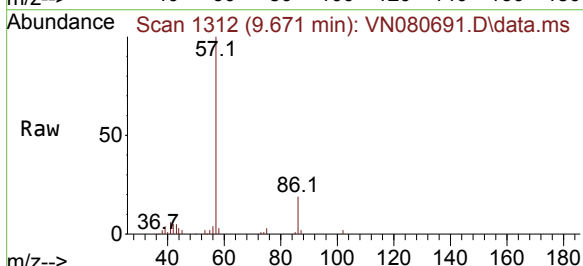
Tgt Ion: 41 Resp: 3934

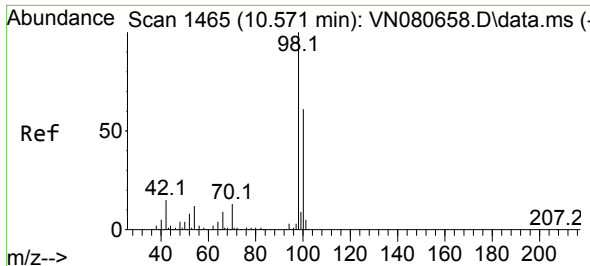
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 51.3 54.6 81.8#

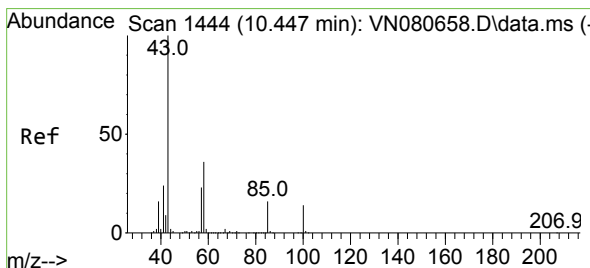
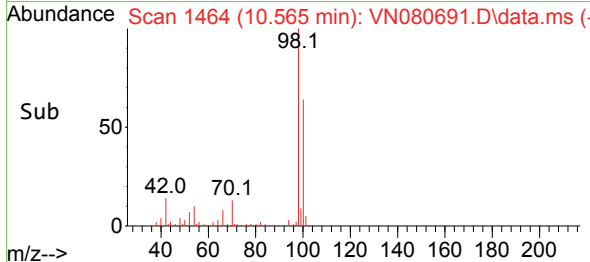
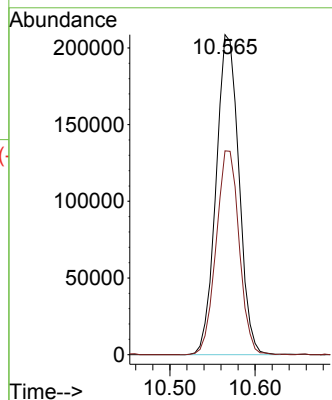
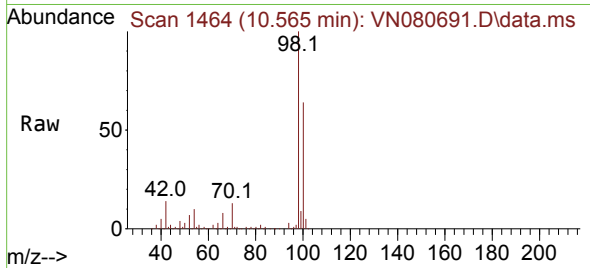




#50
Toluene-d8
Concen: 52.974 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

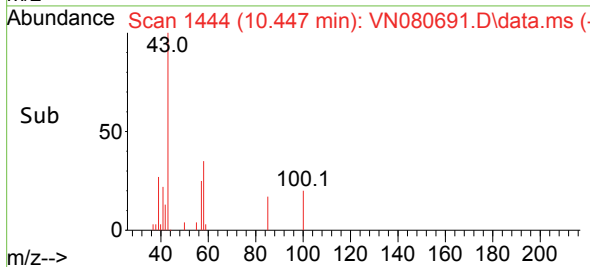
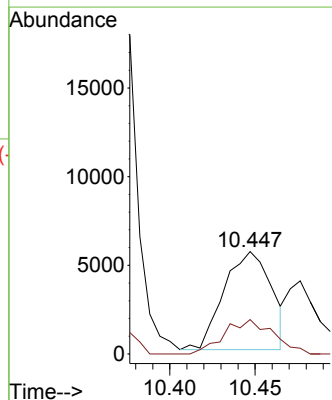
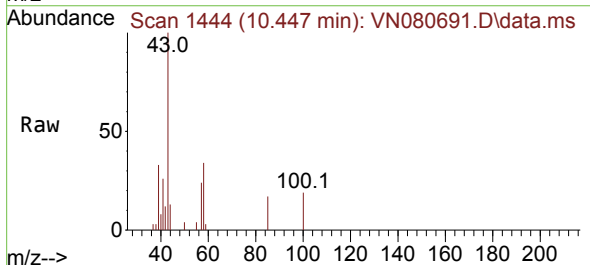
Instrument :
MSVOA_N
ClientSampleId :

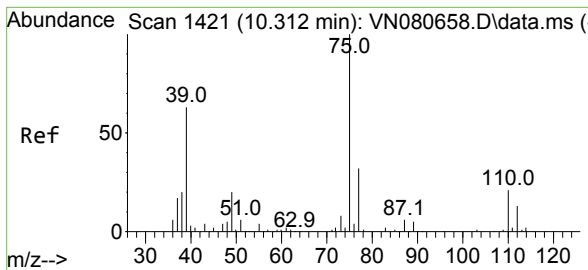
Tgt Ion: 98 Resp: 388884
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.828 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

Tgt Ion: 43 Resp: 10725
Ion Ratio Lower Upper
43 100
58 36.3 36.6 54.8#

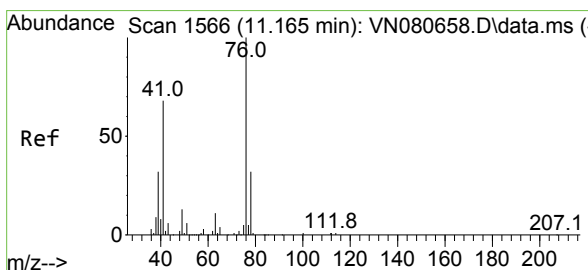
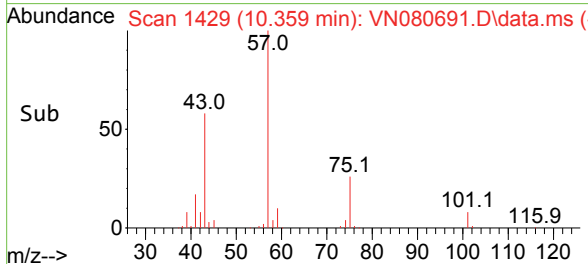
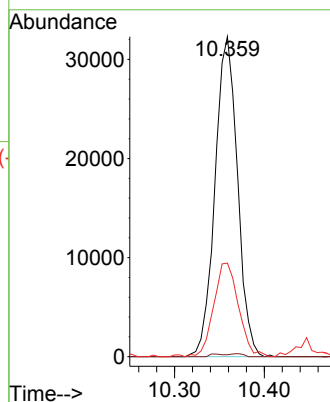
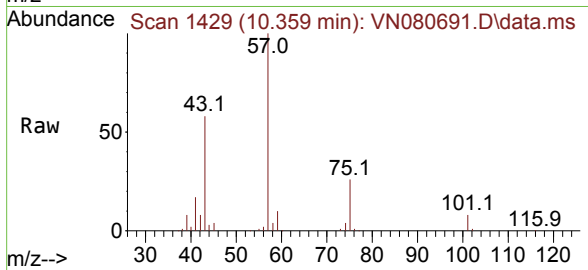




#54
 cis-1,3-Dichloropropene
 Concen: 11.565 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080691.D
 Acq: 12 Jan 2024 15:44

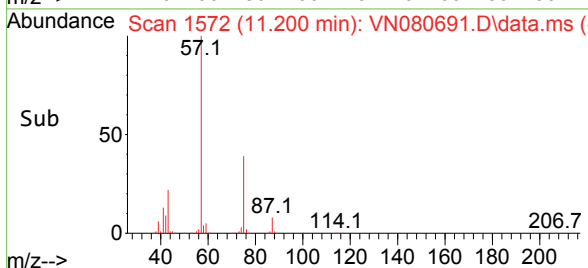
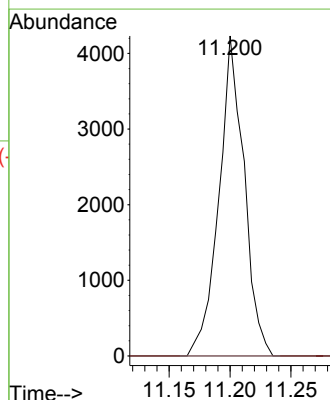
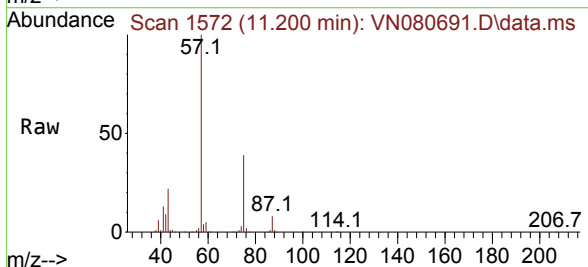
Instrument :
 MSVOA_N
 ClientSampleId :

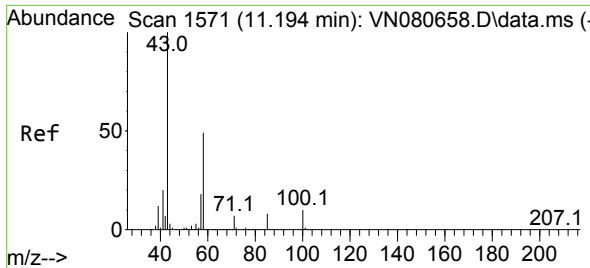
Tgt Ion: 75 Resp: 56186
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 28.7 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 1.363 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN080691.D
 Acq: 12 Jan 2024 15:44

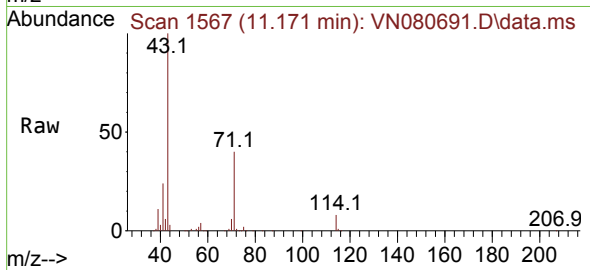
Tgt Ion: 76 Resp: 6085
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#



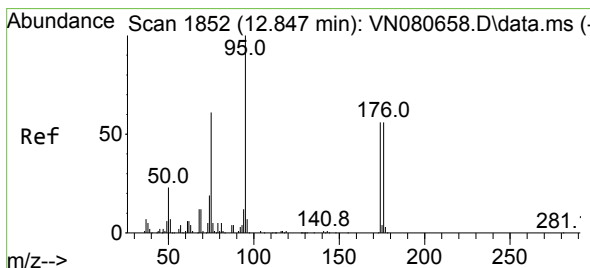
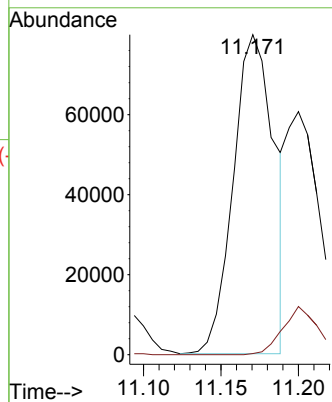
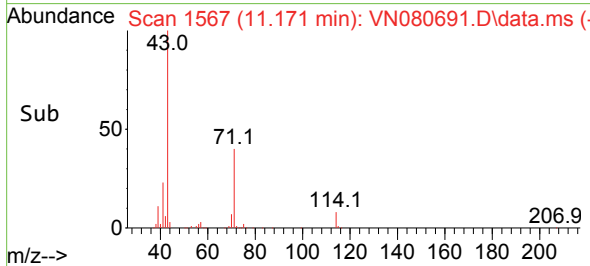


#59
2-Hexanone
Concen: 52.289 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

Instrument :
MSVOA_N
ClientSampleId :

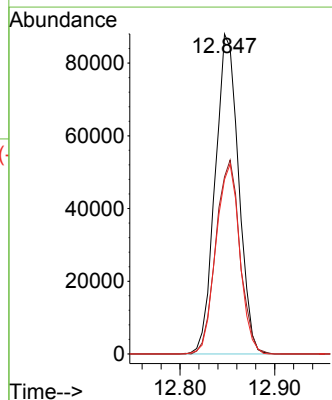
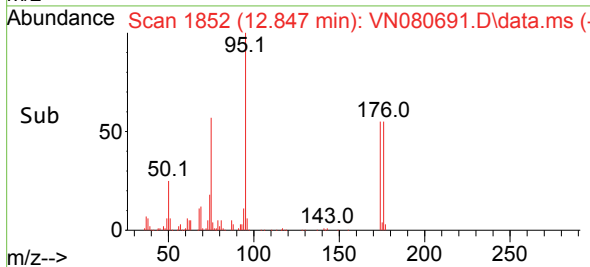
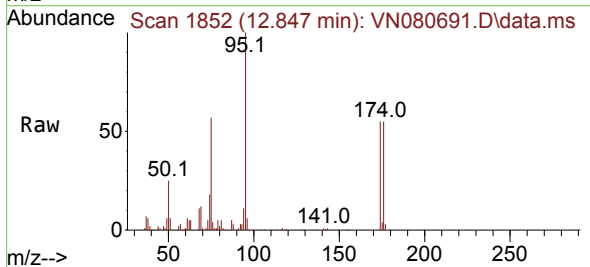


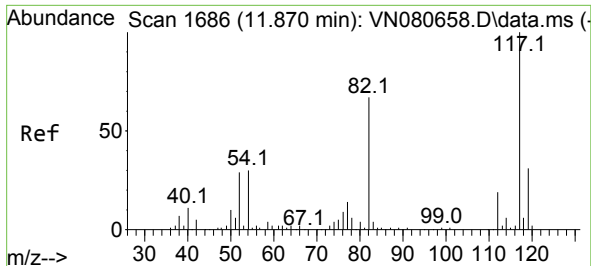
Tgt Ion: 43 Resp: 146384
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.612 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

Tgt Ion: 95 Resp: 150926
Ion Ratio Lower Upper
95 100
174 62.5 0.0 143.8
176 60.1 0.0 135.8

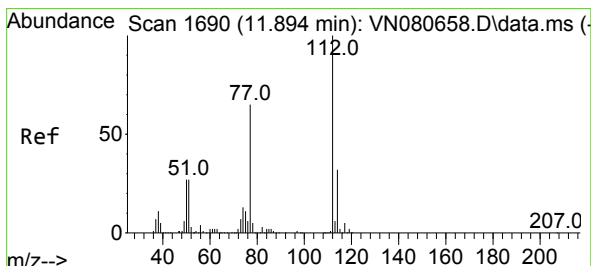
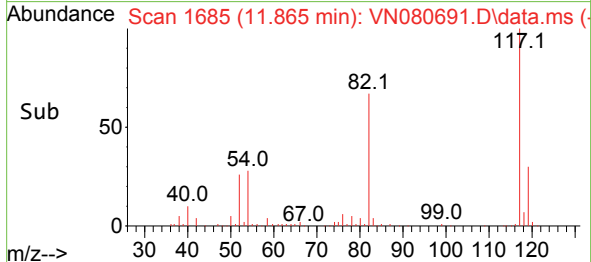
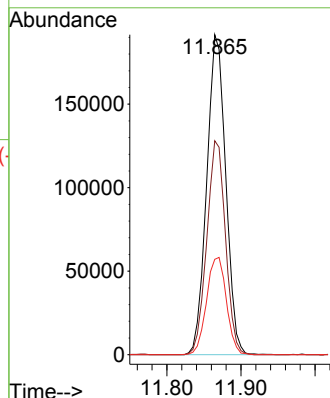
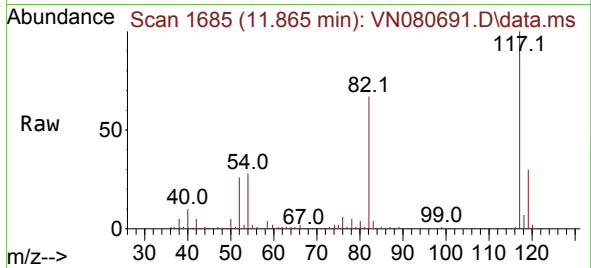




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

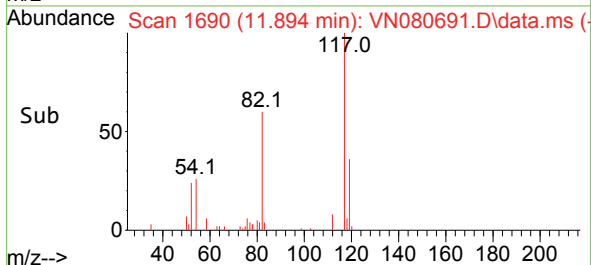
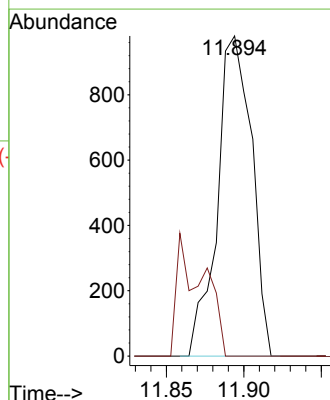
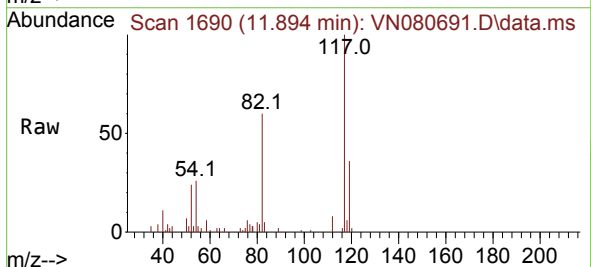
Instrument :
MSVOA_N
ClientSampleId :

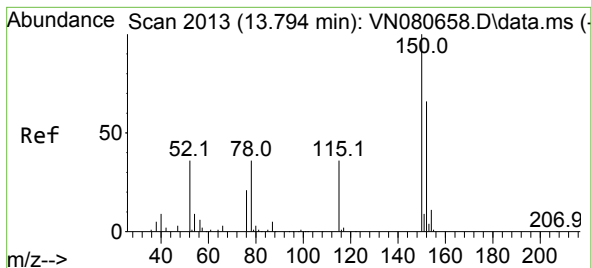
Tgt Ion:117 Resp: 341667
Ion Ratio Lower Upper
117 100
82 66.9 44.0 66.0#
119 29.8 25.6 38.4



#65
Chlorobenzene
Concen: 0.203 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN080691.D
Acq: 12 Jan 2024 15:44

Tgt Ion:112 Resp: 1514
Ion Ratio Lower Upper
112 100
114 0.0 25.0 37.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

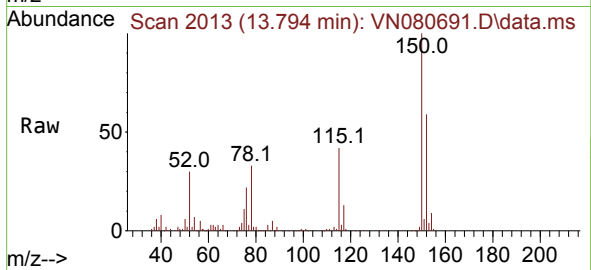
Lab File: VN080691.D

Acq: 12 Jan 2024 15:44

Instrument :

MSVOA_N

ClientSampleId :



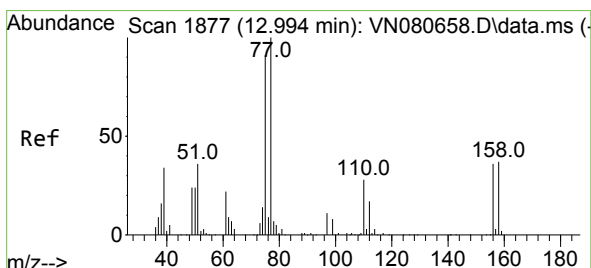
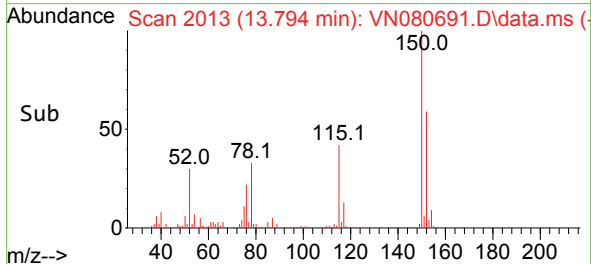
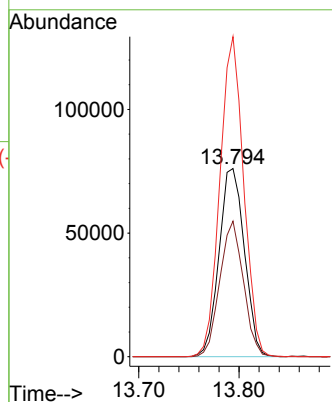
Tgt Ion:152 Resp: 133488

Ion Ratio Lower Upper

152 100

115 67.0 32.3 96.8

150 159.2 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 21.221 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080691.D

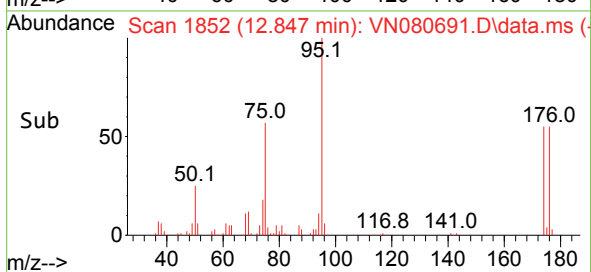
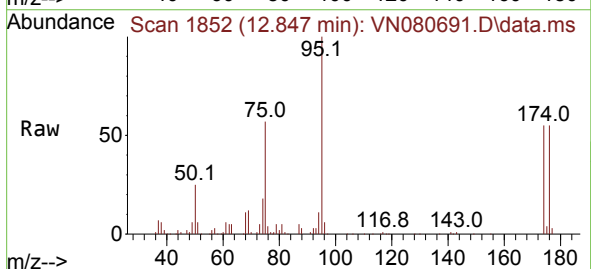
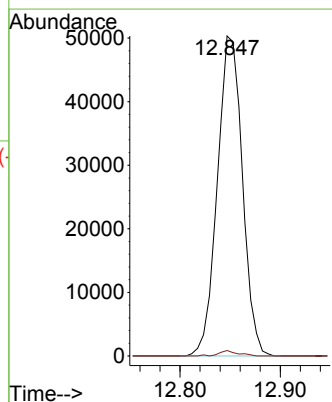
Acq: 12 Jan 2024 15:44

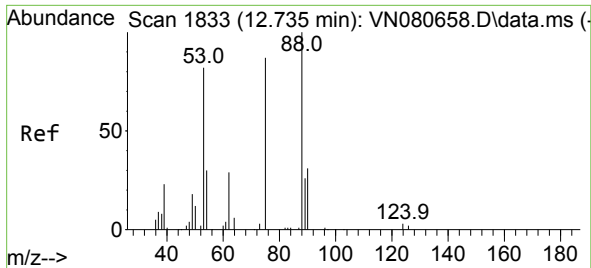
Tgt Ion: 75 Resp: 87351

Ion Ratio Lower Upper

75 100

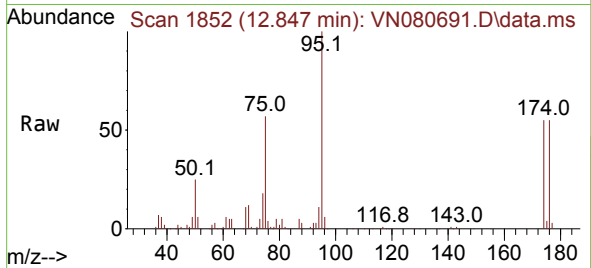
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.027 ug/l
 RT: 12.847 min Scan# 1833
 Delta R.T. 0.112 min
 Lab File: VN080691.D
 Acq: 12 Jan 2024 15:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 87351
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

