

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
 Data File : VN080690.D
 Acq On : 12 Jan 2024 15:20
 Operator : JC\MD
 Sample : PB158389ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 22:13:42 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

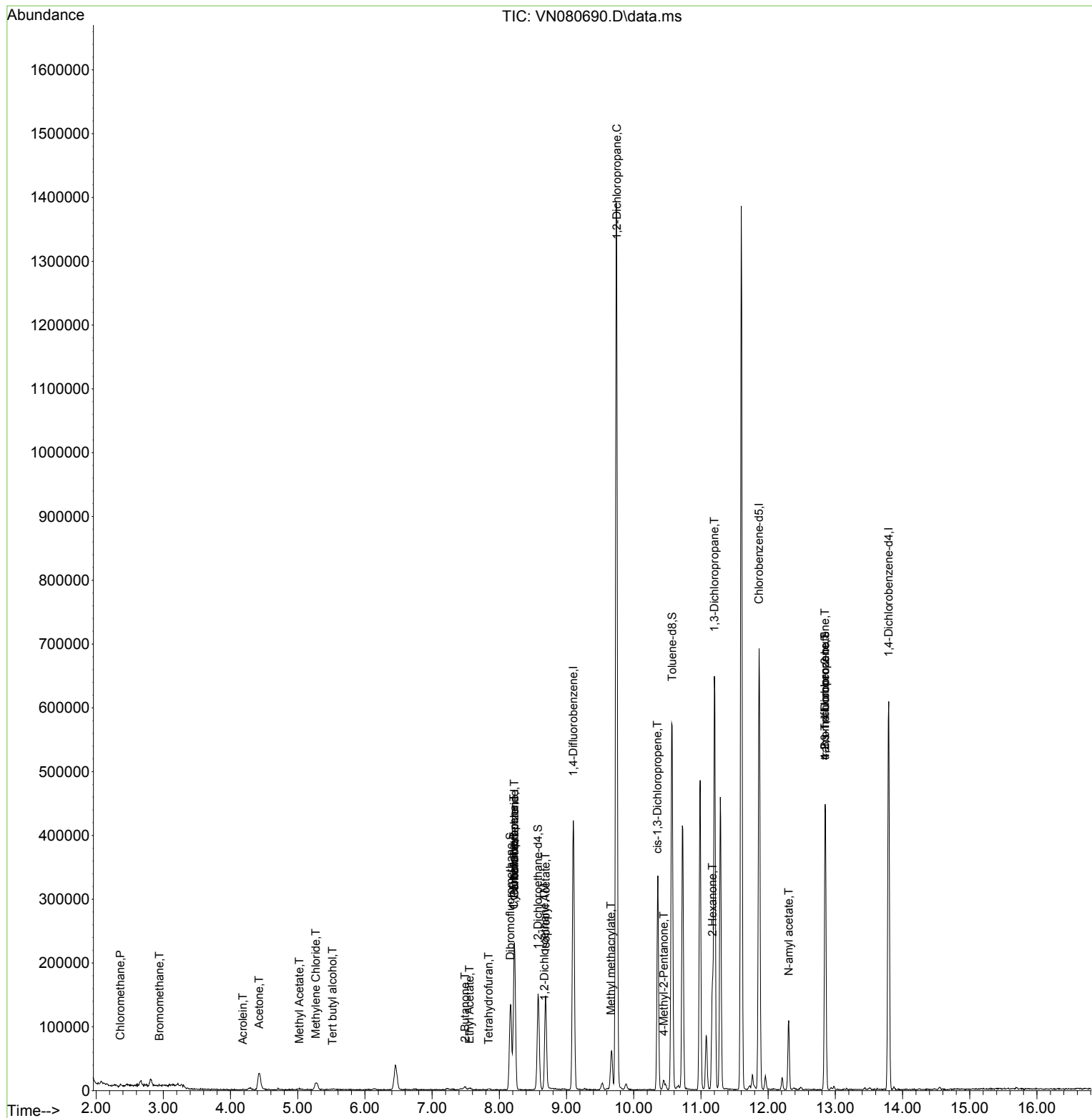
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	151237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	345379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113714	42.816	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.640%
35) Dibromofluoromethane	8.165	113	96953	49.406	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.820%
50) Toluene-d8	10.571	98	388001	51.854	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.700%
62) 4-Bromofluorobenzene	12.847	95	159835	55.703	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3297	0.543	ug/l #	80
5) Bromomethane	2.942	94	177	0.209	ug/l #	4
6) Chloroethane	3.106	64	58	Below Cal	#	43
11) Tert butyl alcohol	5.518	59	663	1.476	ug/l #	66
13) Acrolein	4.183	56	635	1.692	ug/l #	16
16) Acetone	4.424	43	52554	60.272	ug/l	96
18) Methyl Acetate	5.024	43	4311	1.660	ug/l #	51
20) Methylene Chloride	5.271	84	5632	2.213	ug/l	95
25) 2-Butanone	7.489	43	8179	5.189	ug/l #	77
29) Tetrahydrofuran	7.841	42	1357	1.277	ug/l #	28
31) Cyclohexane	8.218	56	4902	1.195	ug/l #	24
36) 1,1-Dichloropropene	8.218	75	15887	3.952	ug/l #	46
37) Ethyl Acetate	7.559	43	6110	1.567	ug/l #	73
38) Carbon Tetrachloride	8.224	117	17722	4.910	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	1372	0.317	ug/l #	73
43) Isopropyl Acetate	8.688	43	170291	23.767	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1870	0.624	ug/l #	45
48) Methyl methacrylate	9.659	41	3823	1.127	ug/l #	28
51) 4-Methyl-2-Pentanone	10.447	43	10431	2.699	ug/l	92
54) cis-1,3-Dichloropropene	10.353	75	59105	11.936	ug/l #	61
57) 1,3-Dichloropropane	11.200	76	6197	1.362	ug/l #	42
59) 2-Hexanone	11.171	43	145277	50.912	ug/l #	19
74) N-amyl acetate	12.306	43	37248	4.531	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	89460	20.141	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89460	47.482	ug/l #	15

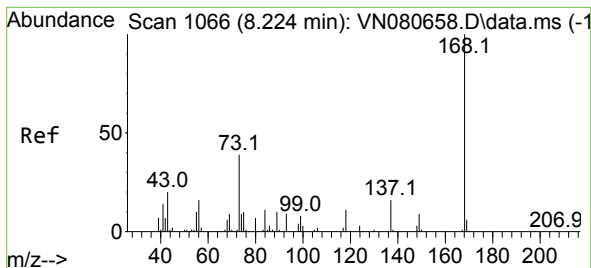
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080690.D

Acq: 12 Jan 2024 15:20

Instrument :

MSVOA_N

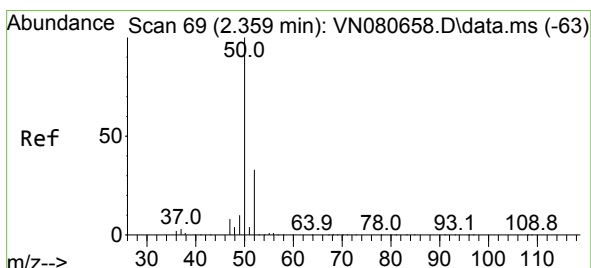
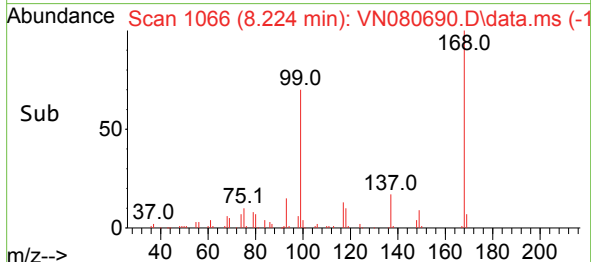
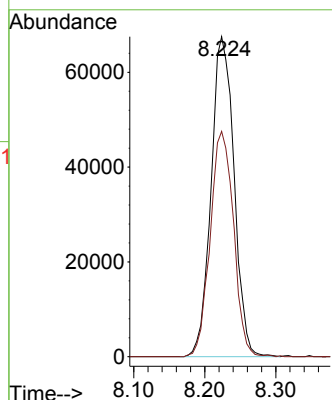
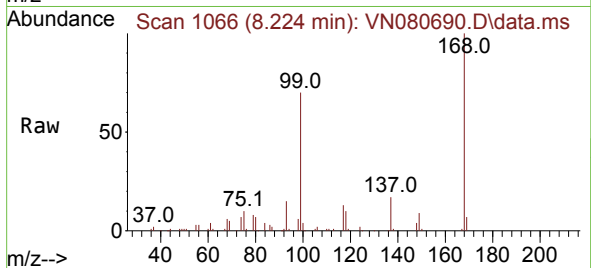
ClientSampleId :

Tgt Ion:168 Resp: 151237

Ion Ratio Lower Upper

168 100

99 70.4 53.0 79.6



#3

Chloromethane

Concen: 0.543 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080690.D

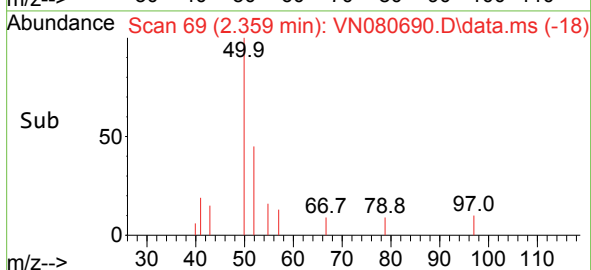
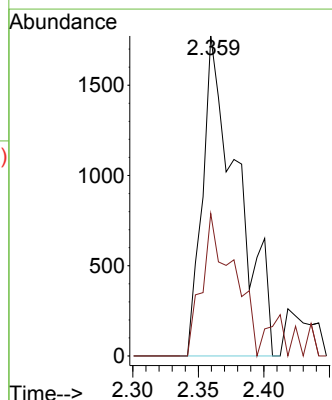
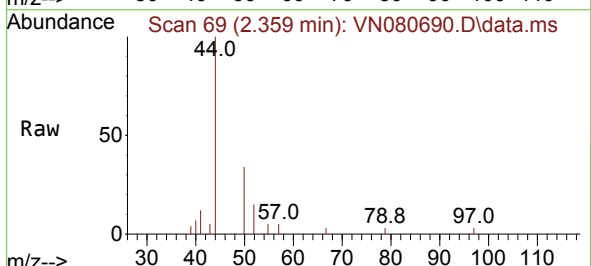
Acq: 12 Jan 2024 15:20

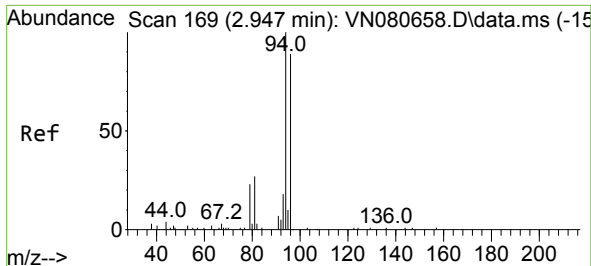
Tgt Ion: 50 Resp: 3297

Ion Ratio Lower Upper

50 100

52 44.5 26.5 39.7#

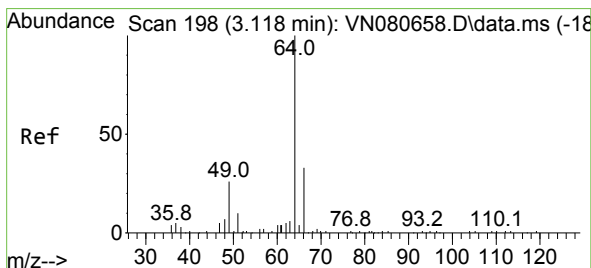
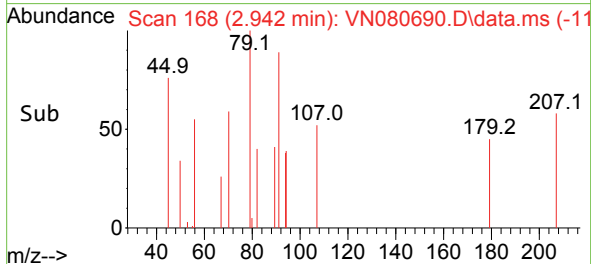
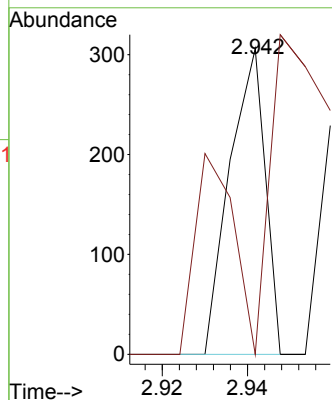
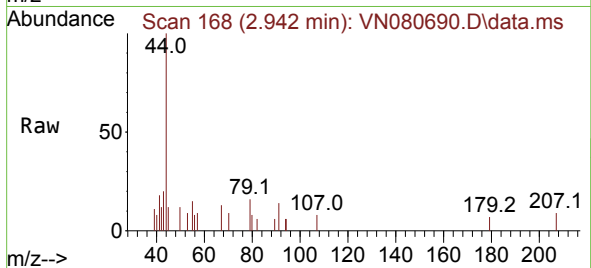




#5
Bromomethane
Concen: 0.209 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

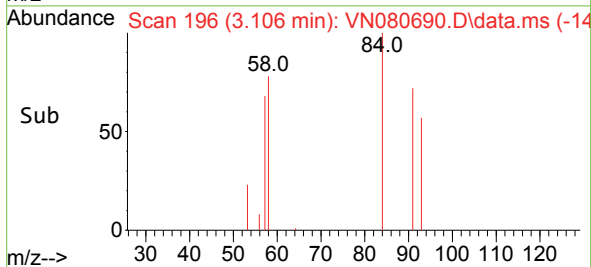
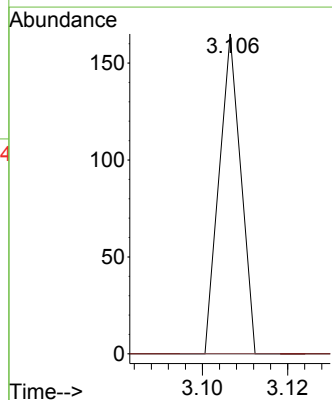
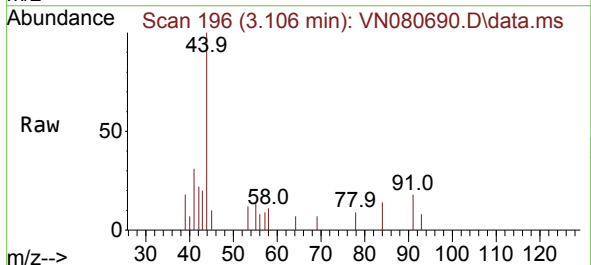
Instrument :
MSVOA_N
ClientSampleId :

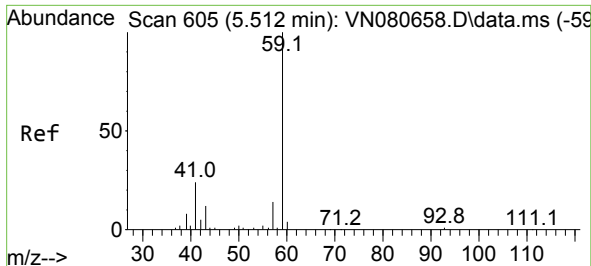
Tgt Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

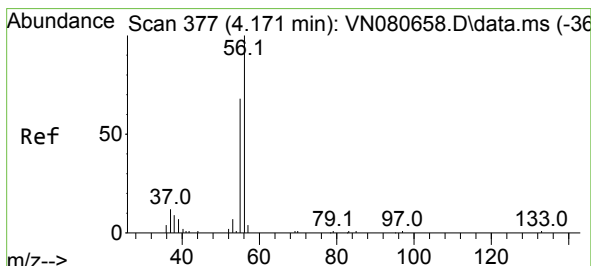
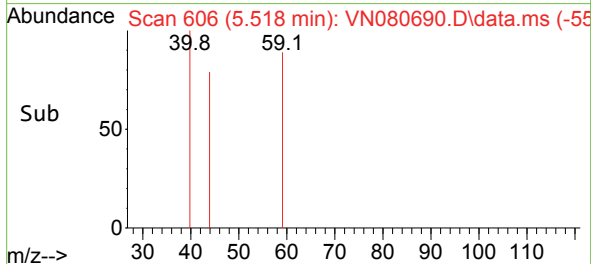
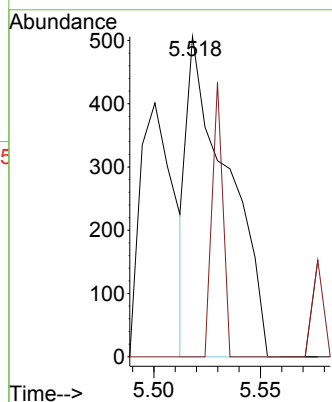
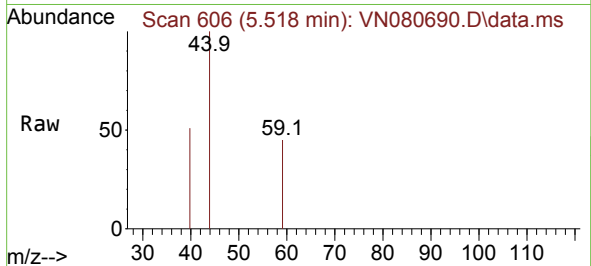




#11
Tert butyl alcohol
Concen: 1.476 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

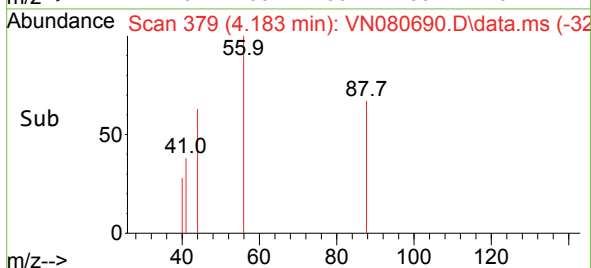
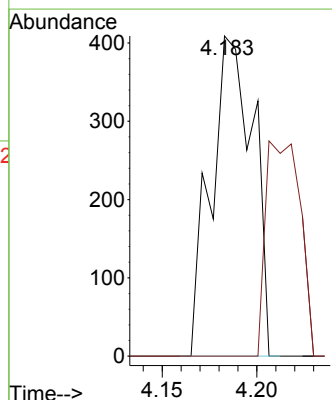
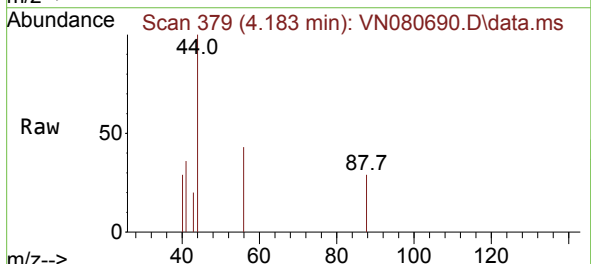
Instrument :
MSVOA_N
ClientSampleId :

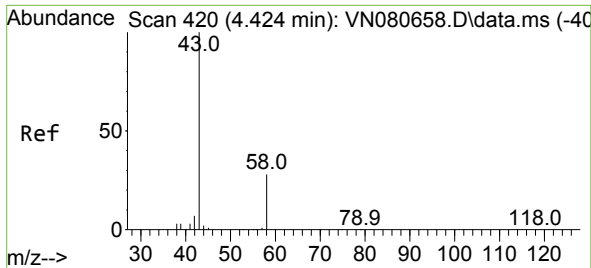
Tgt Ion: 59 Resp: 663
Ion Ratio Lower Upper
59 100
57 23.1 8.2 12.4#



#13
Acrolein
Concen: 1.692 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Tgt Ion: 56 Resp: 635
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 60.272 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN080690.D

Acq: 12 Jan 2024 15:20

Instrument :

MSVOA_N

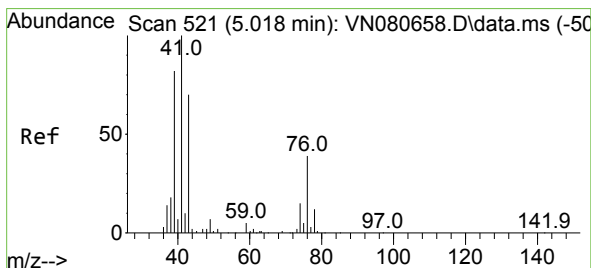
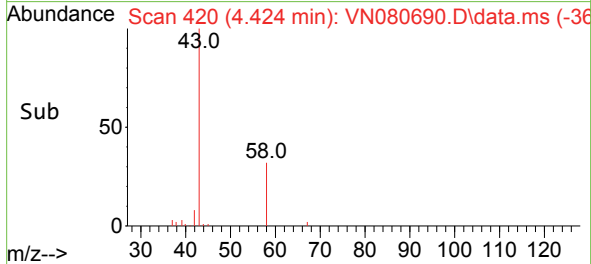
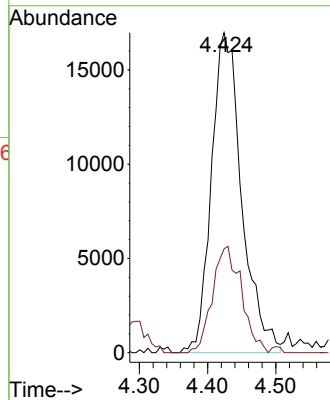
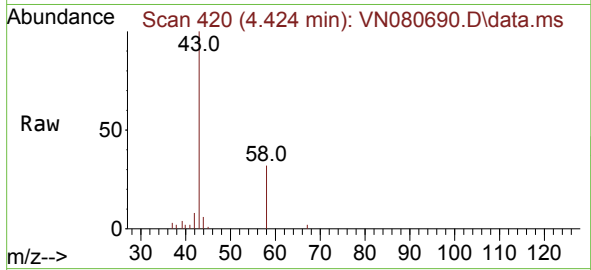
ClientSampleId :

Tgt Ion: 43 Resp: 52554

Ion Ratio Lower Upper

43 100

58 32.5 28.0 42.0



#18

Methyl Acetate

Concen: 1.660 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN080690.D

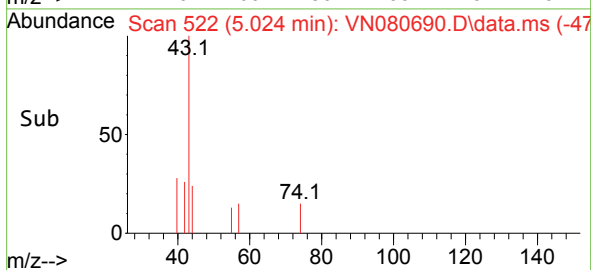
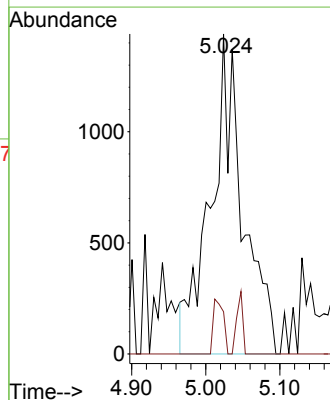
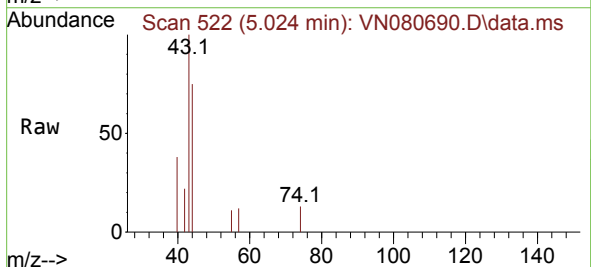
Acq: 12 Jan 2024 15:20

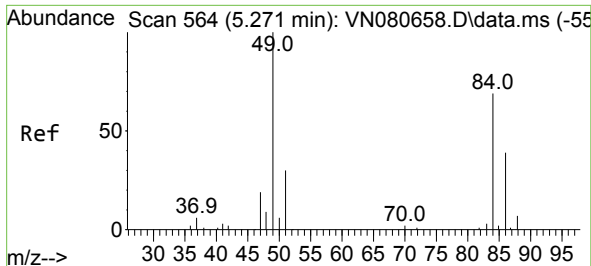
Tgt Ion: 43 Resp: 4311

Ion Ratio Lower Upper

43 100

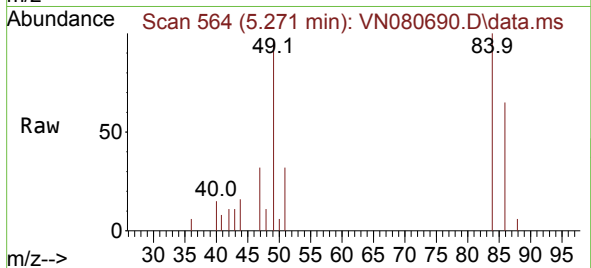
74 5.4 26.2 39.4#





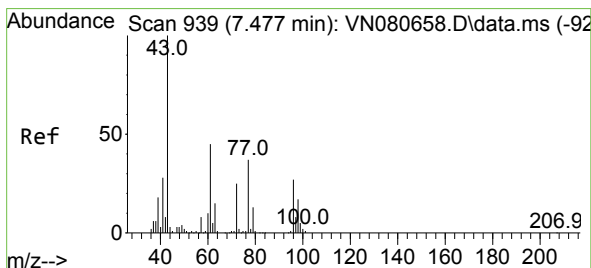
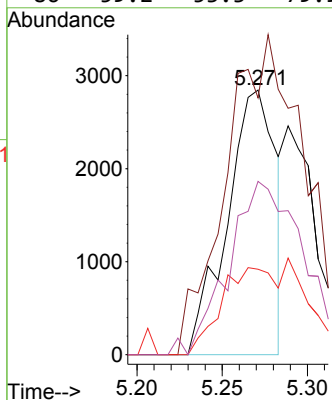
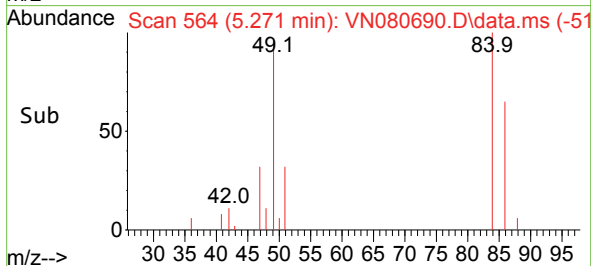
#20
Methylene Chloride
Concen: 2.213 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 5632

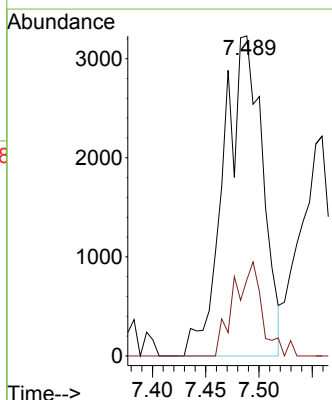
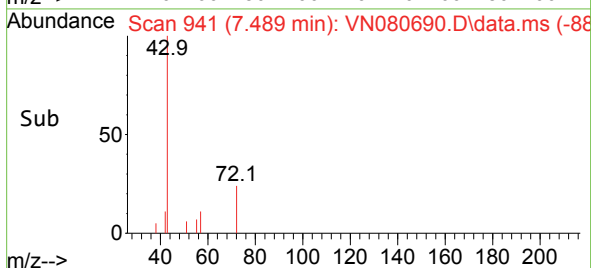
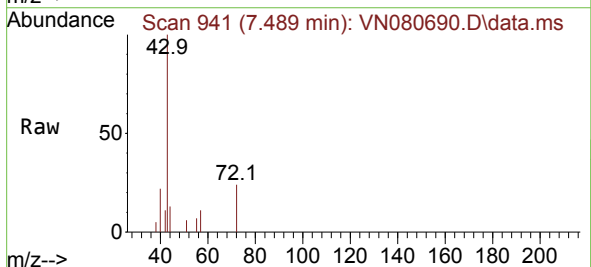
Ion	Ratio	Lower	Upper
84	100		
49	97.0	79.7	119.5
51	32.3	25.2	37.8
86	59.2	53.3	79.9

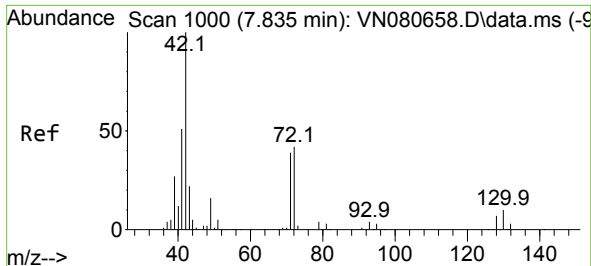


#25
2-Butanone
Concen: 5.189 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Tgt Ion: 43 Resp: 8179

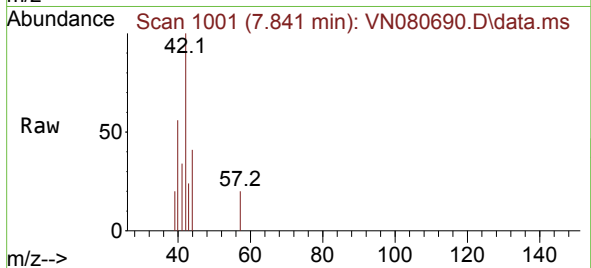
Ion	Ratio	Lower	Upper
43	100		
72	23.8	30.2	45.2#



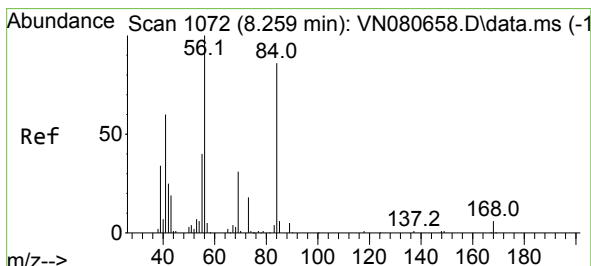
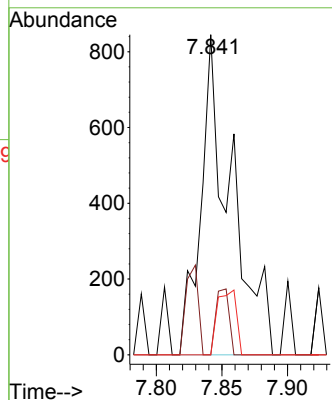
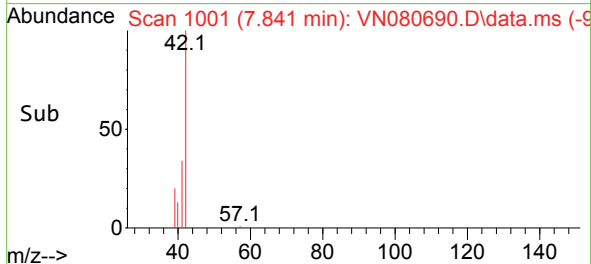


#29
Tetrahydrofuran
Concen: 1.277 ug/l
RT: 7.841 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

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ClientSampleId :

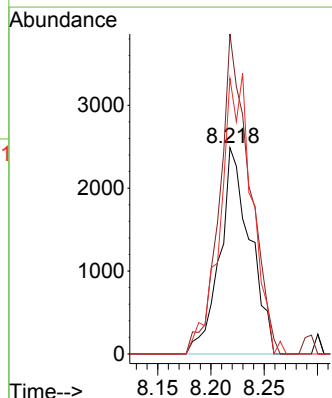
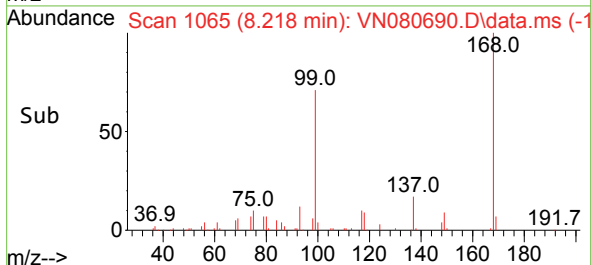
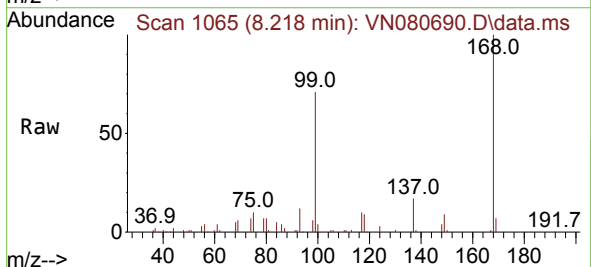


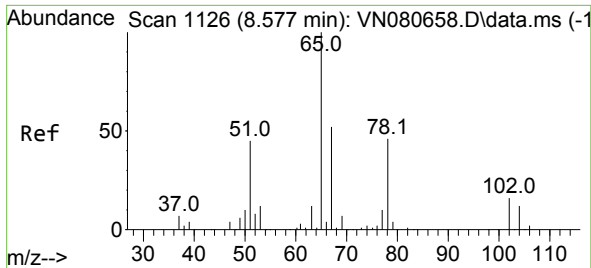
Tgt Ion: 42 Resp: 1357
Ion Ratio Lower Upper
42 100
72 11.3 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Tgt Ion: 56 Resp: 4902
Ion Ratio Lower Upper
56 100
69 155.2 26.8 40.2#
84 133.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 42.816 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080690.D

Acq: 12 Jan 2024 15:20

Instrument :

MSVOA_N

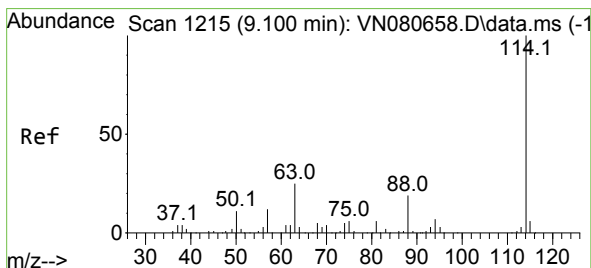
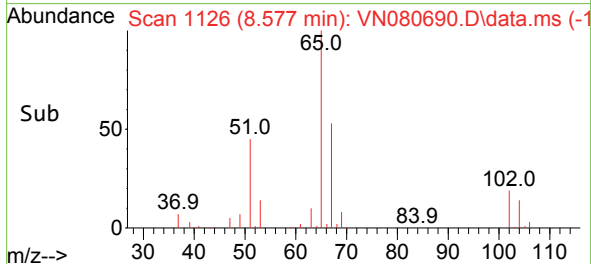
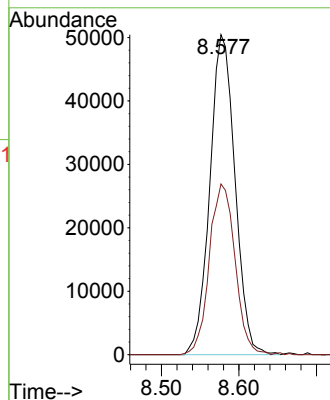
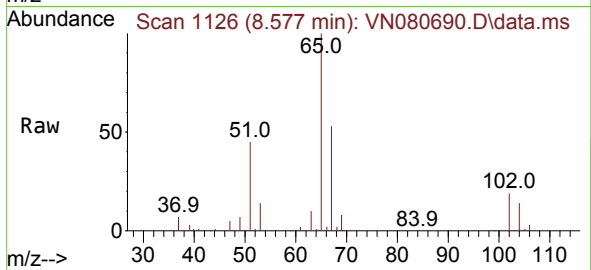
ClientSampleId :

Tgt Ion: 65 Resp: 113714

Ion Ratio Lower Upper

65 100

67 54.4 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: VN080690.D

Acq: 12 Jan 2024 15:20

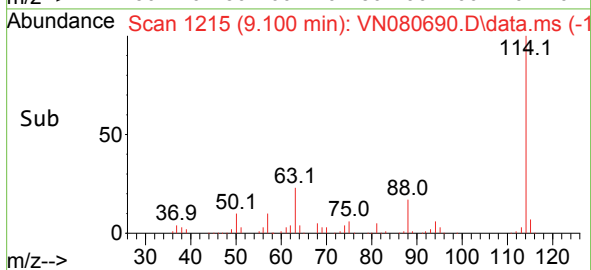
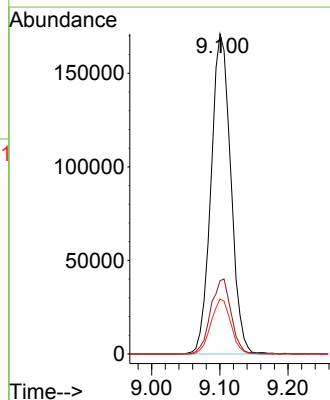
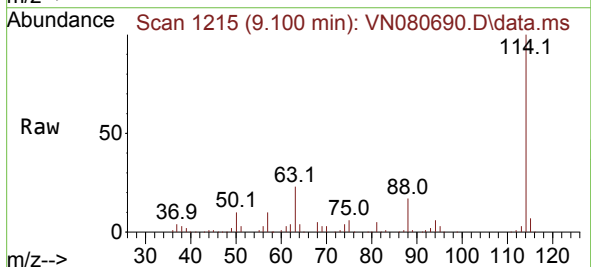
Tgt Ion: 114 Resp: 345379

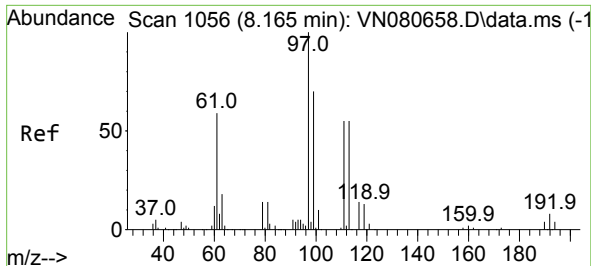
Ion Ratio Lower Upper

114 100

63 22.8 0.0 36.4

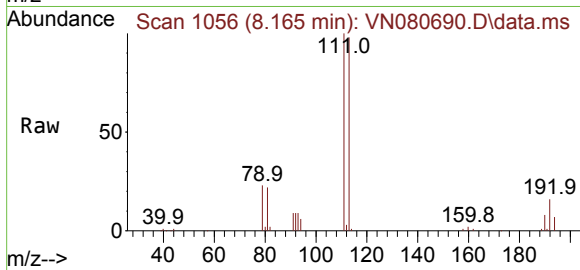
88 17.1 0.0 30.6



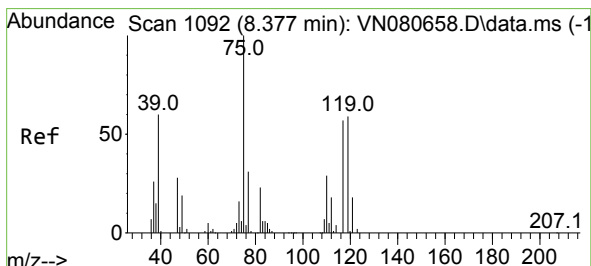
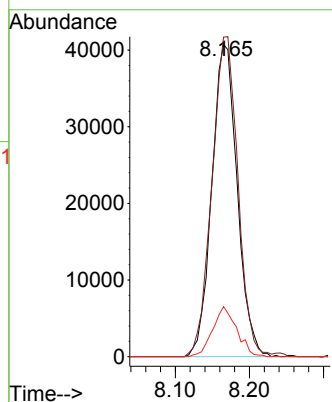
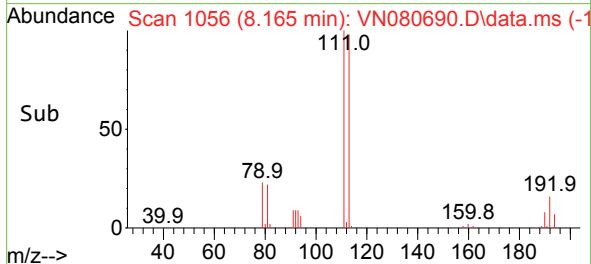


#35
Dibromofluoromethane
Concen: 49.406 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Instrument :
MSVOA_N
ClientSampleId :

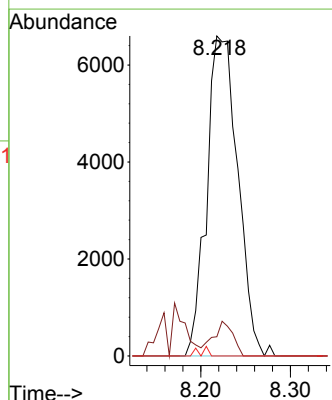
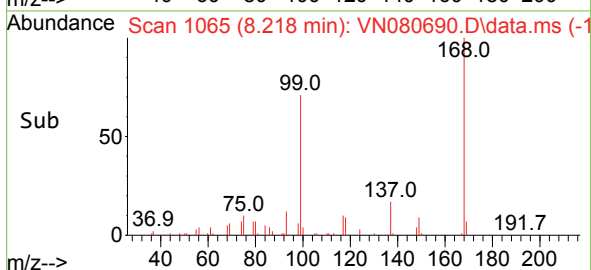
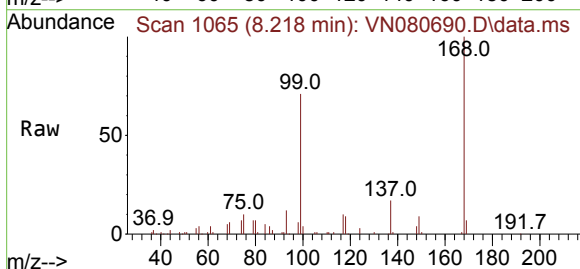


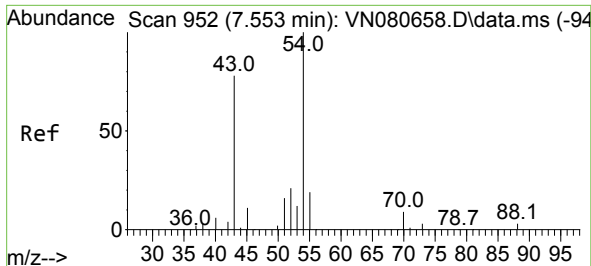
Tgt Ion:113 Resp: 96953
Ion Ratio Lower Upper
113 100
111 104.5 82.6 123.8
192 15.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 3.952 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.159 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Tgt Ion: 75 Resp: 15887
Ion Ratio Lower Upper
75 100
110 6.8 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.567 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

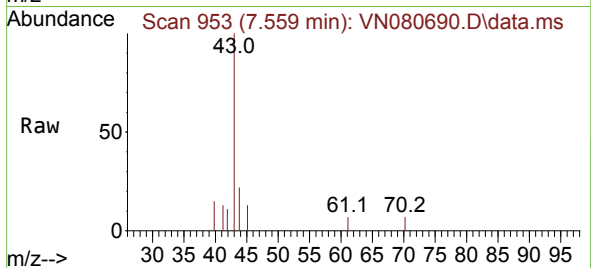
Lab File: VN080690.D

Acq: 12 Jan 2024 15:20

Instrument :

MSVOA_N

ClientSampleId :



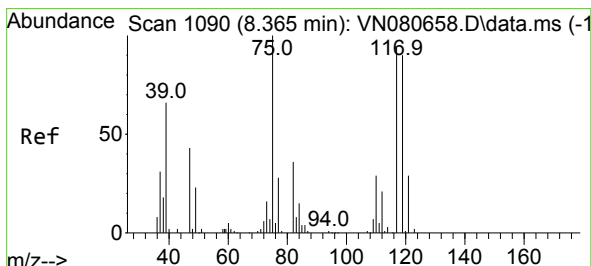
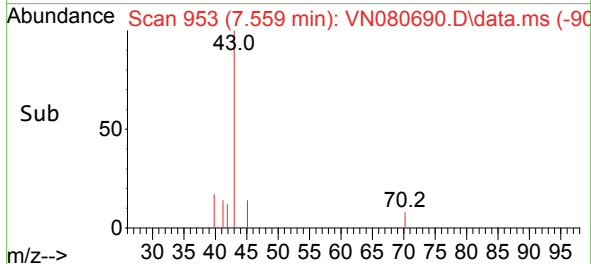
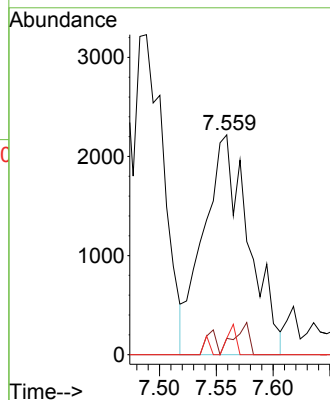
Tgt Ion: 43 Resp: 6110

Ion Ratio Lower Upper

43 100

61 4.9 13.2 19.8#

70 2.7 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.910 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080690.D

Acq: 12 Jan 2024 15:20

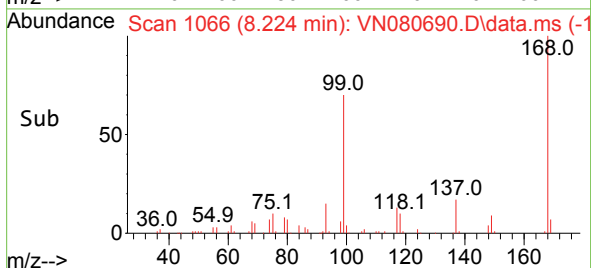
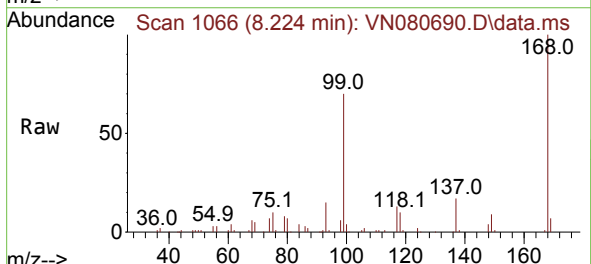
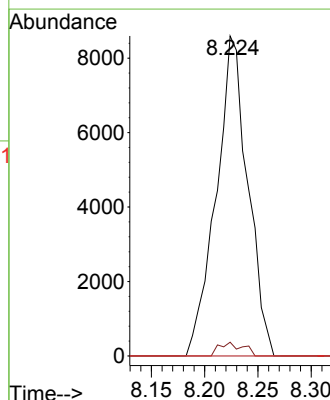
Tgt Ion: 117 Resp: 17722

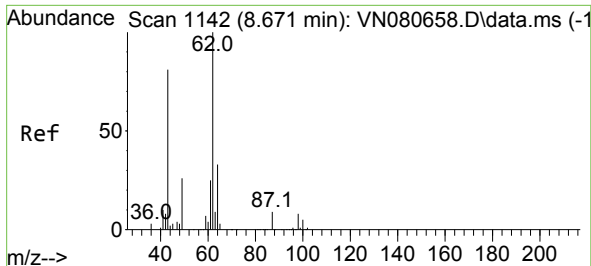
Ion Ratio Lower Upper

117 100

119 4.3 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.317 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN080690.D

Acq: 12 Jan 2024 15:20

Instrument :

MSVOA_N

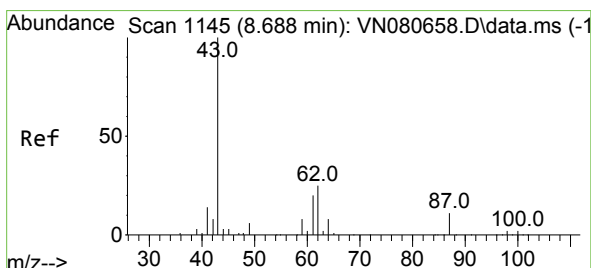
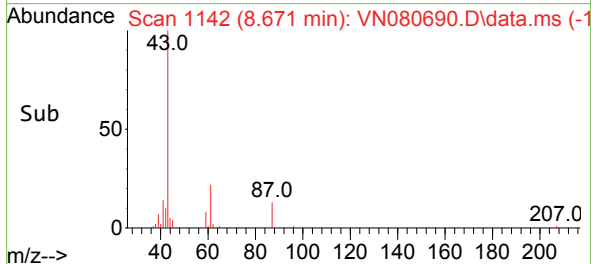
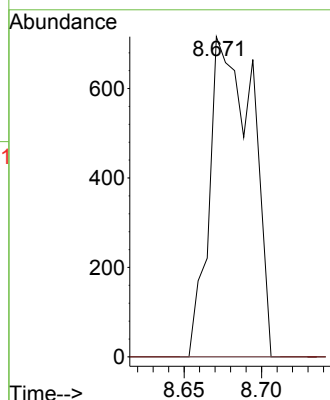
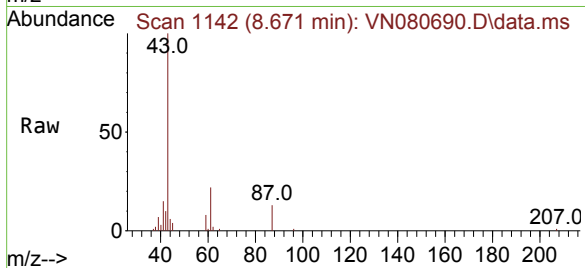
ClientSampleId :

Tgt Ion: 62 Resp: 1372

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 23.767 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080690.D

Acq: 12 Jan 2024 15:20

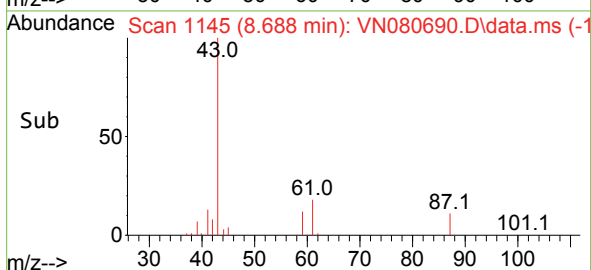
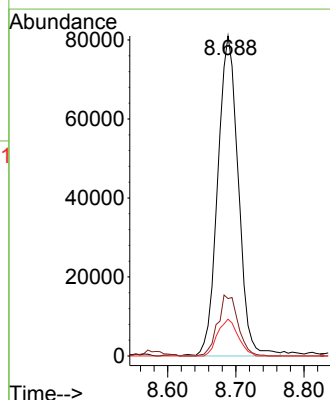
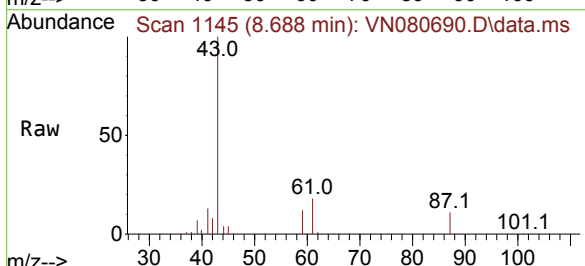
Tgt Ion: 43 Resp: 170291

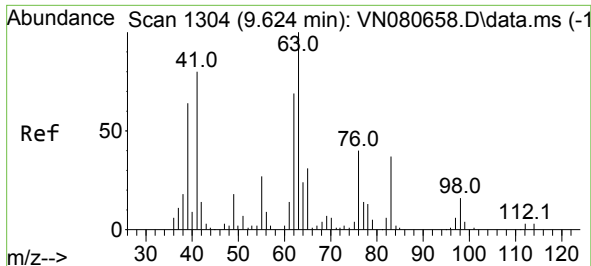
Ion Ratio Lower Upper

43 100

61 18.8 24.7 37.1#

87 11.4 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.624 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

Lab File: VN080690.D

Acq: 12 Jan 2024 15:20

Instrument :

MSVOA_N

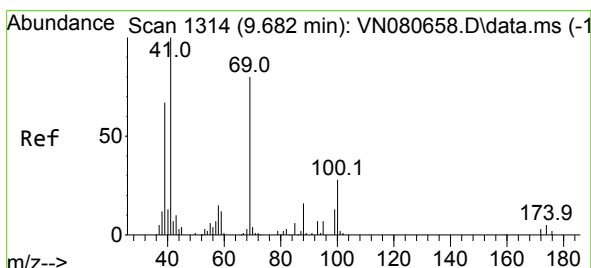
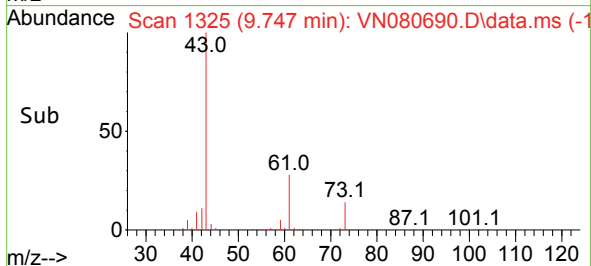
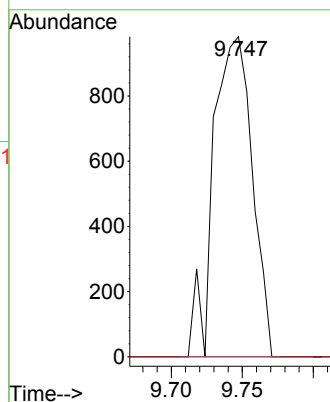
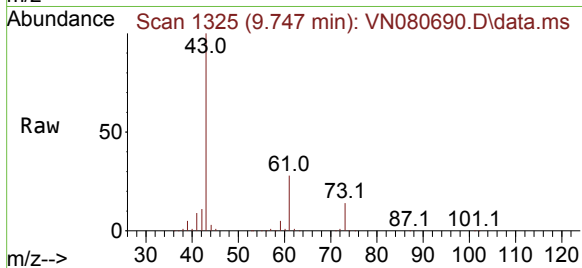
ClientSampleId :

Tgt Ion: 63 Resp: 1870

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.127 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN080690.D

Acq: 12 Jan 2024 15:20

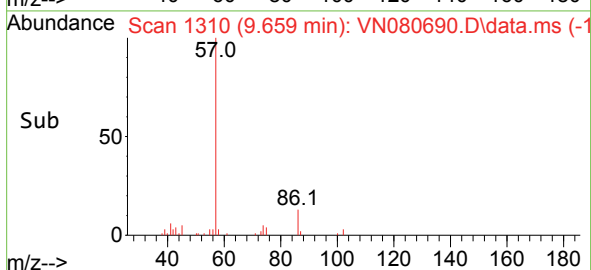
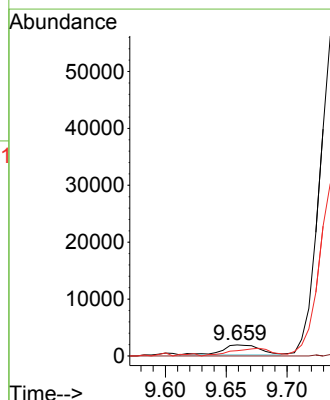
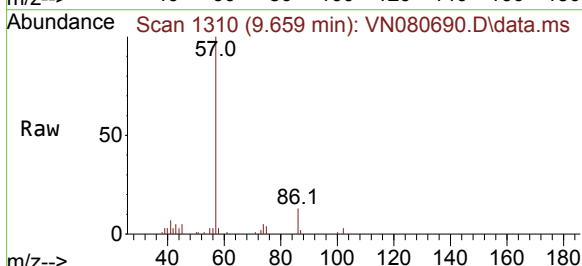
Tgt Ion: 41 Resp: 3823

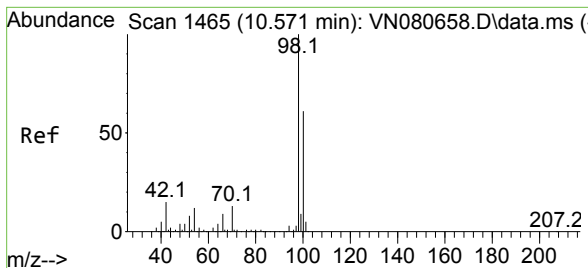
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 81.3 54.6 81.8

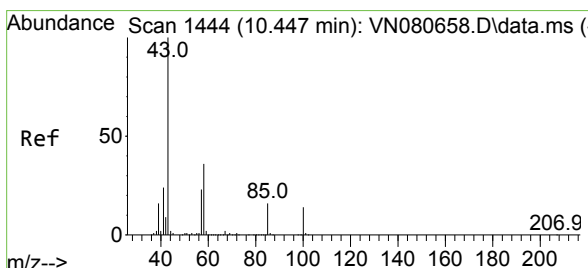
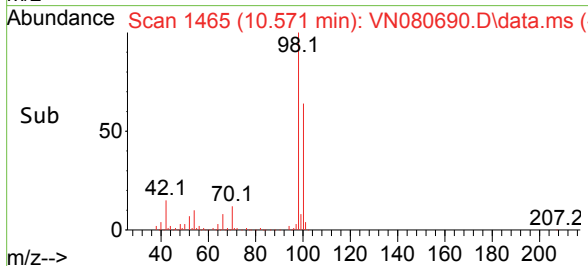
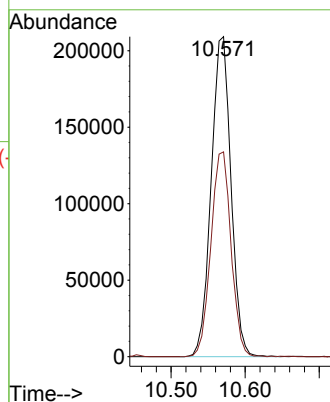
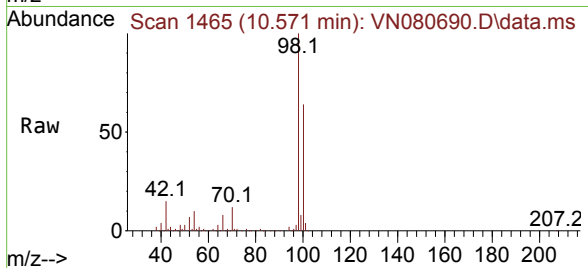




#50
Toluene-d8
Concen: 51.854 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

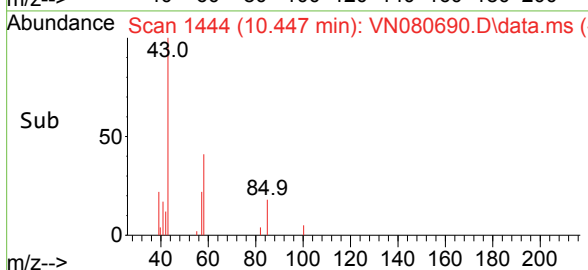
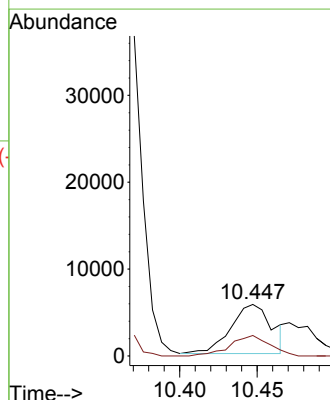
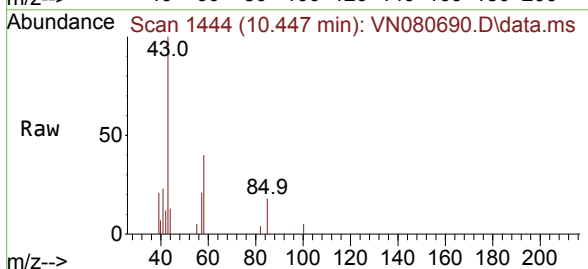
Instrument :
MSVOA_N
ClientSampleId :

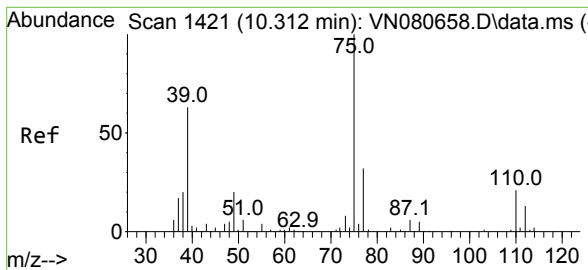
Tgt Ion: 98 Resp: 388001
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.699 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Tgt Ion: 43 Resp: 10431
Ion Ratio Lower Upper
43 100
58 40.2 36.6 54.8

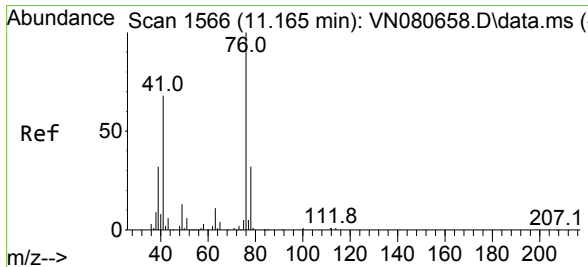
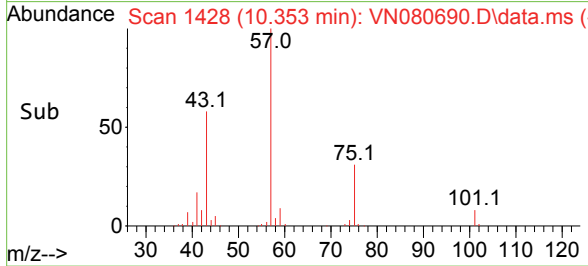
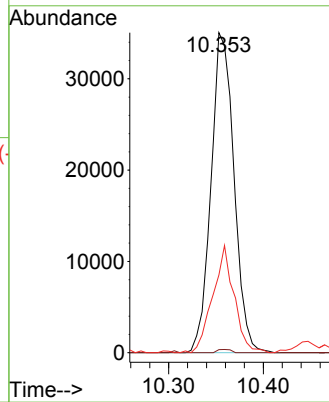
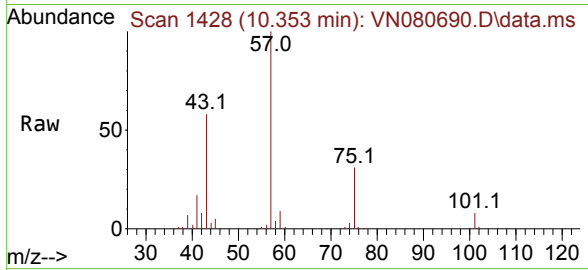




#54
cis-1,3-Dichloropropene
Concen: 11.936 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

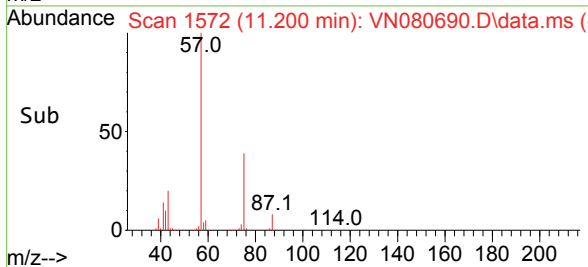
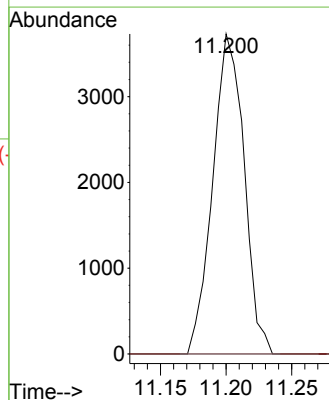
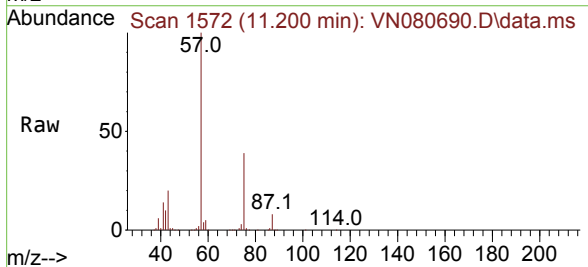
Instrument :
MSVOA_N
ClientSampleId :

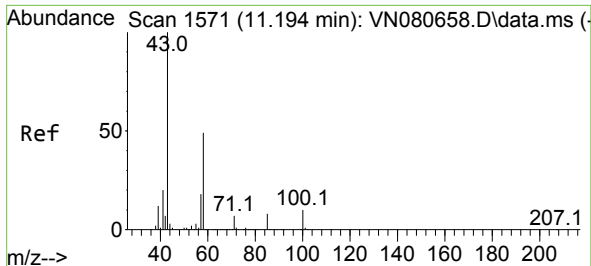
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.9	26.1	39.1#
39	24.3	31.6	47.4#



#57
1,3-Dichloropropane
Concen: 1.362 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

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

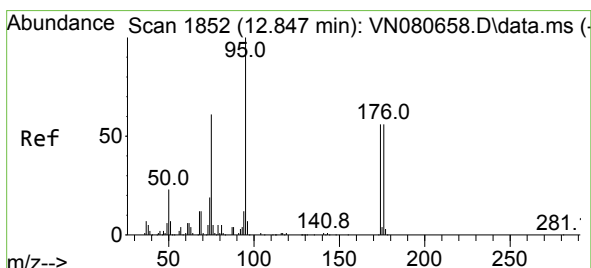
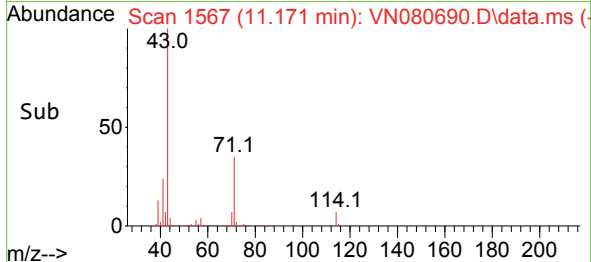
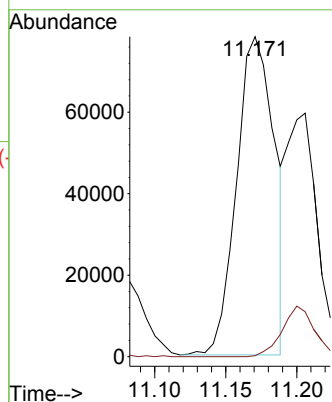
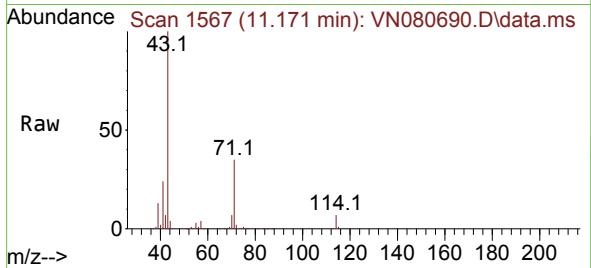




#59
2-Hexanone
Concen: 50.912 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

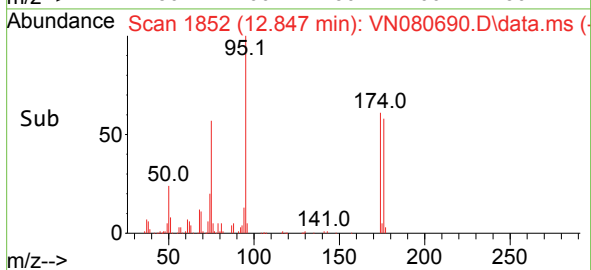
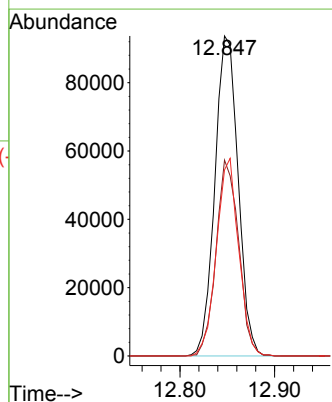
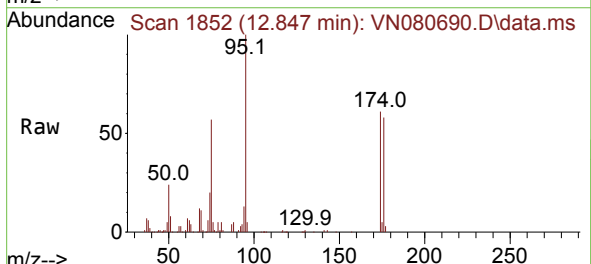
Instrument :
MSVOA_N
ClientSampleId :

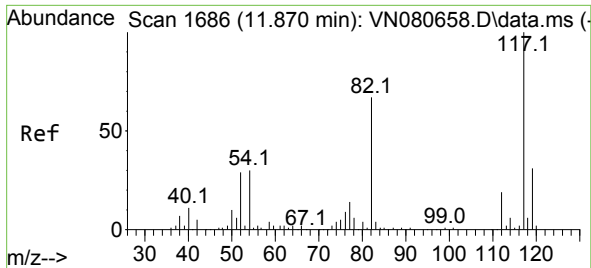
Tgt Ion: 43 Resp: 145277
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 55.703 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Tgt Ion: 95 Resp: 159835
Ion Ratio Lower Upper
95 100
174 59.5 0.0 143.8
176 59.1 0.0 135.8

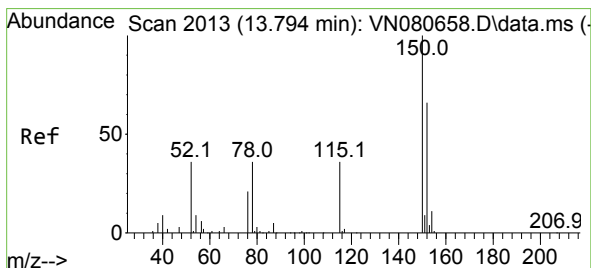
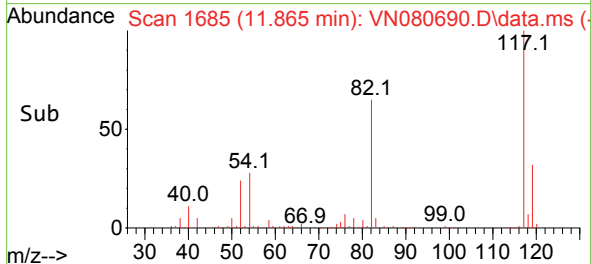
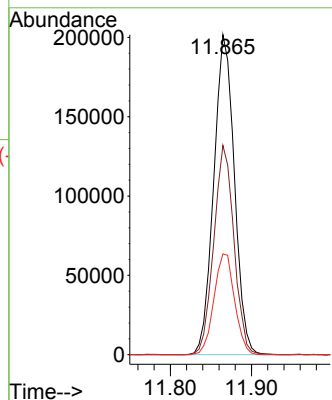
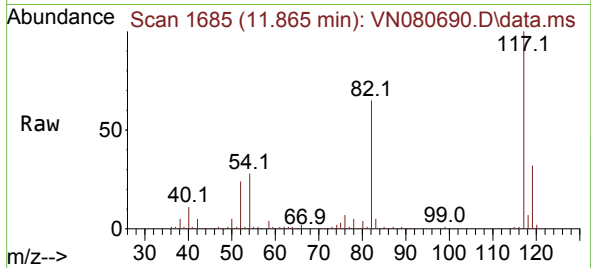




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

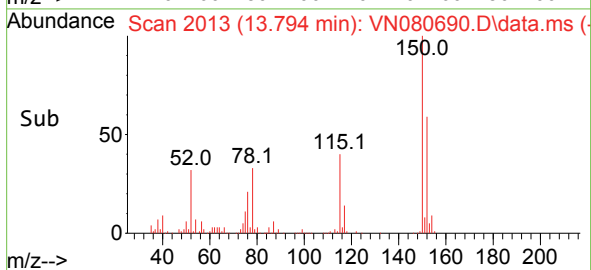
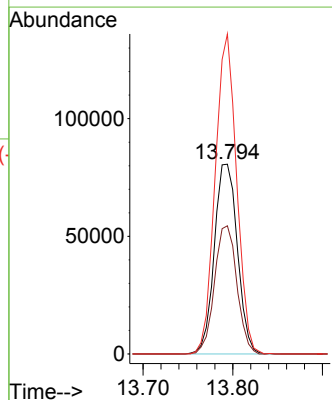
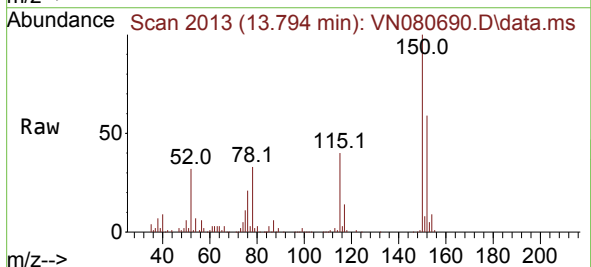
Instrument :
MSVOA_N
ClientSampleId :

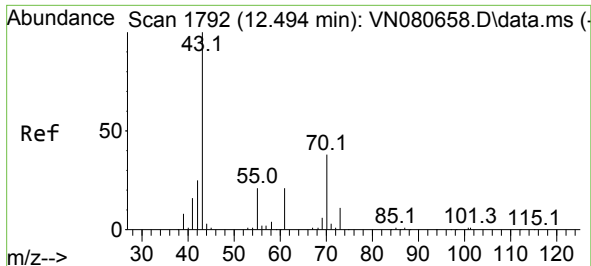
Tgt Ion:117 Resp: 355891
Ion Ratio Lower Upper
117 100
82 65.4 44.0 66.0
119 31.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

Tgt Ion:152 Resp: 144040
Ion Ratio Lower Upper
152 100
115 65.6 32.3 96.8
150 156.4 0.0 355.8

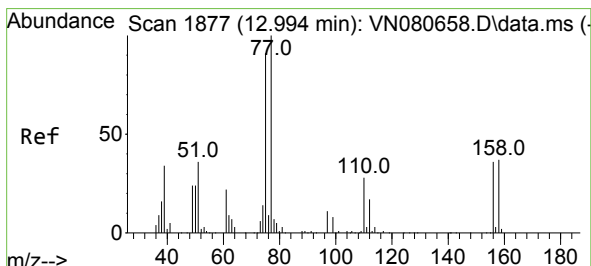
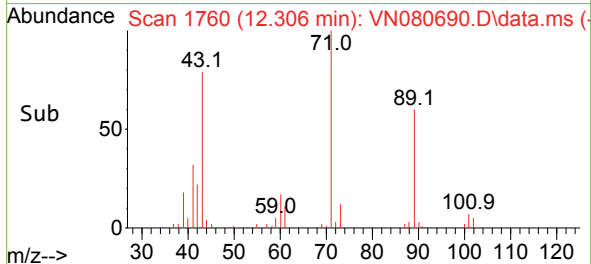
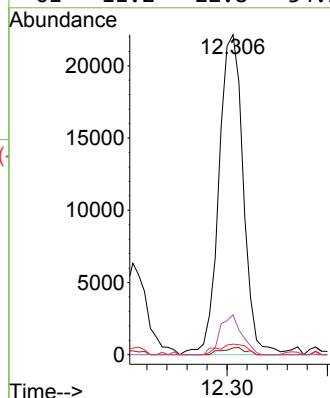
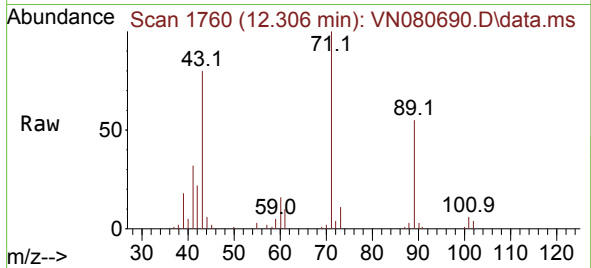




#74
N-amy1 acetate
Concen: 4.531 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

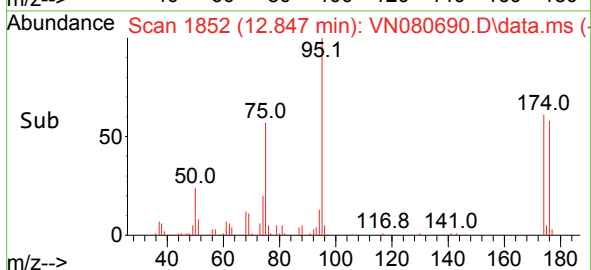
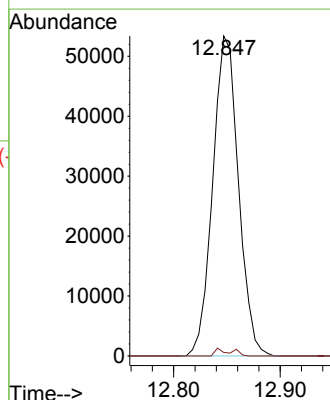
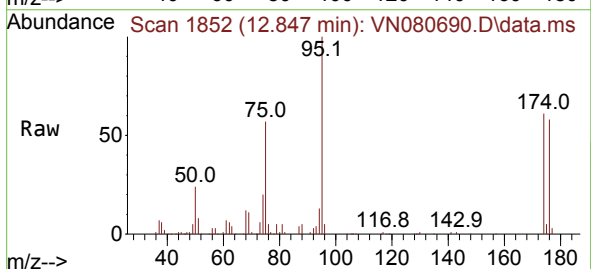
Instrument :
MSVOA_N
ClientSampleId :

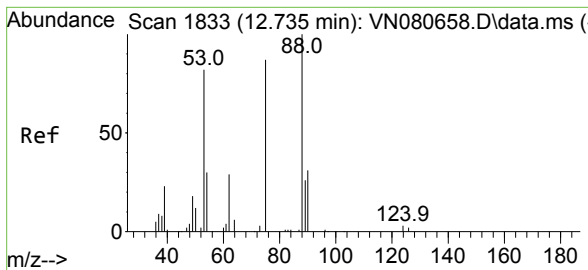
Tgt Ion: 43 Resp: 37248
Ion Ratio Lower Upper
43 100
70 2.2 43.4 65.2#
55 3.8 21.4 32.0#
61 11.2 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 20.141 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080690.D
Acq: 12 Jan 2024 15:20

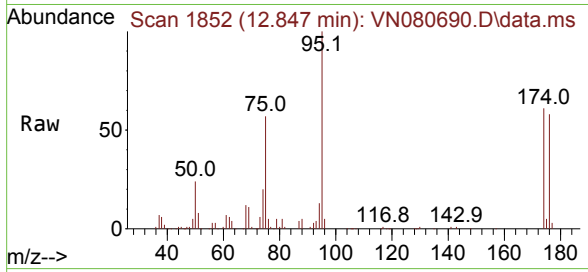
Tgt Ion: 75 Resp: 89460
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.482 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080690.D
 Acq: 12 Jan 2024 15:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 89460
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.2 38.8 58.2#

