

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012624\
 Data File : VN080776.D
 Acq On : 26 Jan 2024 17:48
 Operator : JC\MD
 Sample : P1243-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MR-308-17-19

Quant Time: Jan 29 02:34:34 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)

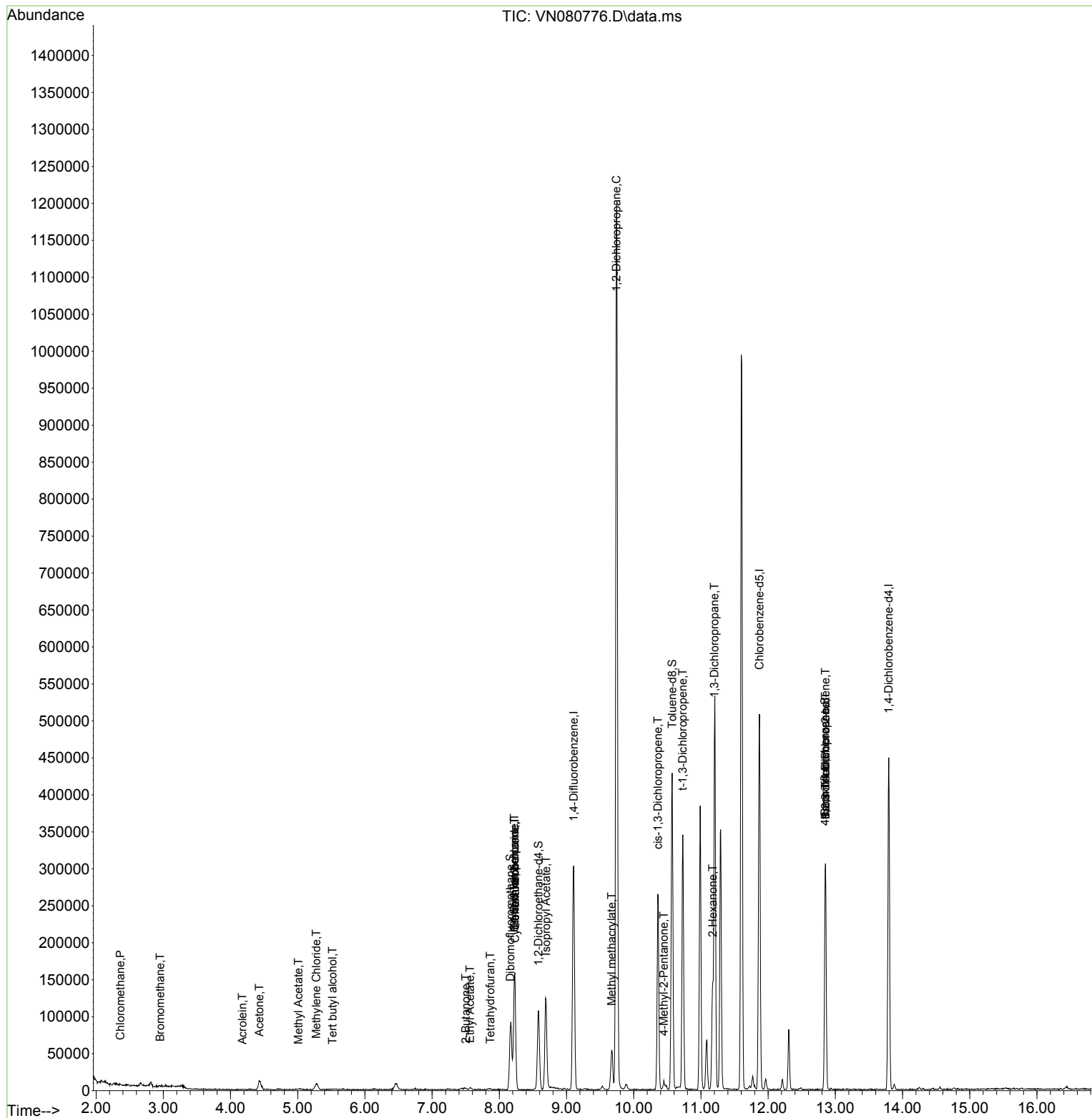
Internal Standards						
1) Pentafluorobenzene	8.230	168	101713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	238823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	256991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	80491	45.063	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.120%
35) Dibromofluoromethane	8.165	113	65167	48.025	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.060%
50) Toluene-d8	10.571	98	271547	52.482	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.960%
62) 4-Bromofluorobenzene	12.847	95	107768	54.315	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.620%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1960	0.400	ug/l #	83
5) Bromomethane	2.954	94	138	0.242	ug/l #	4
6) Chloroethane	3.124	64	73	Below Cal	#	43
11) Tert butyl alcohol	5.518	59	72	0.238	ug/l #	1
13) Acrolein	4.177	56	221	0.876	ug/l #	62
16) Acetone	4.430	43	22383	38.169	ug/l	91
18) Methyl Acetate	5.012	43	1397	0.800	ug/l #	70
20) Methylene Chloride	5.277	84	6306	3.684	ug/l #	83
25) 2-Butanone	7.500	43	4503	4.248	ug/l #	85
29) Tetrahydrofuran	7.865	42	1534	2.147	ug/l #	33
31) Cyclohexane	8.236	56	3635	1.317	ug/l #	56
36) 1,1-Dichloropropene	8.224	75	11485	4.132	ug/l #	45
37) Ethyl Acetate	7.565	43	4057	1.505	ug/l #	87
38) Carbon Tetrachloride	8.224	117	11751	4.708	ug/l #	18
43) Isopropyl Acetate	8.694	43	149225	30.119	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1233	0.595	ug/l #	45
48) Methyl methacrylate	9.671	41	3967	1.691	ug/l #	31
51) 4-Methyl-2-Pentanone	10.447	43	12273	4.592	ug/l #	64
53) t-1,3-Dichloropropene	10.730	75	765	0.237	ug/l #	48
54) cis-1,3-Dichloropropene	10.359	75	42346	12.367	ug/l #	71
57) 1,3-Dichloropropane	11.200	76	5072	1.612	ug/l #	42
59) 2-Hexanone	11.177	43	113457	57.501	ug/l #	19
71) Bromoform	12.853	173	516	0.376	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	60921	19.134	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	60921	45.106	ug/l #	15

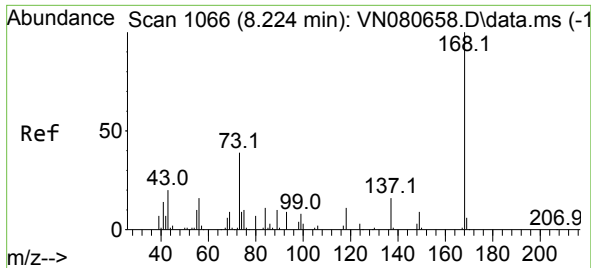
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

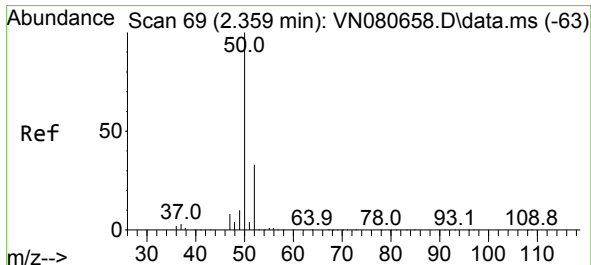
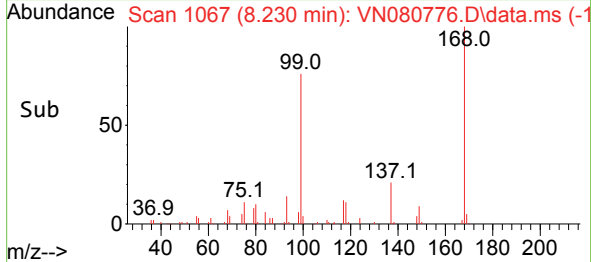
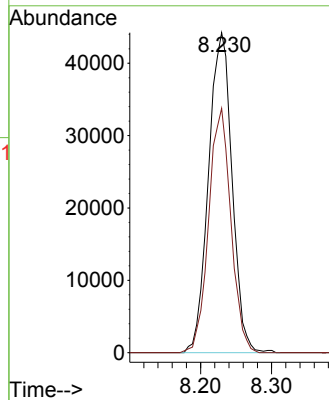
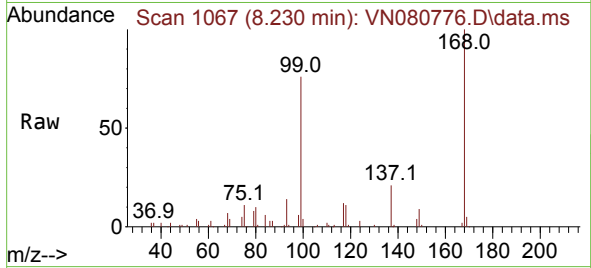




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

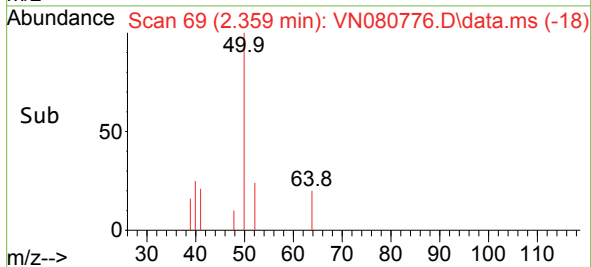
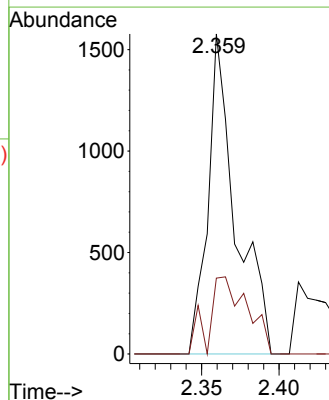
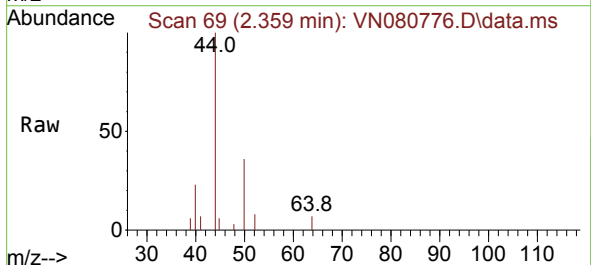
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

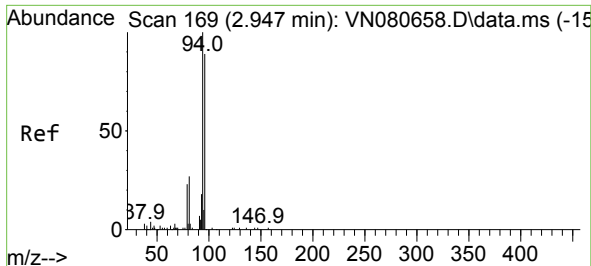
Tgt Ion:168 Resp: 101713
Ion Ratio Lower Upper
168 100
99 76.4 53.0 79.6



#3
Chloromethane
Concen: 0.400 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 50 Resp: 1960
Ion Ratio Lower Upper
50 100
52 23.7 26.5 39.7#

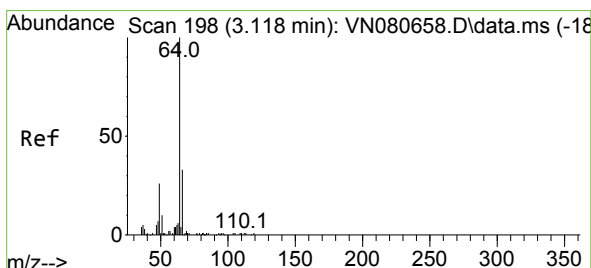
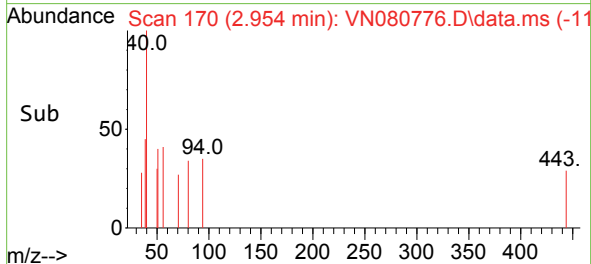
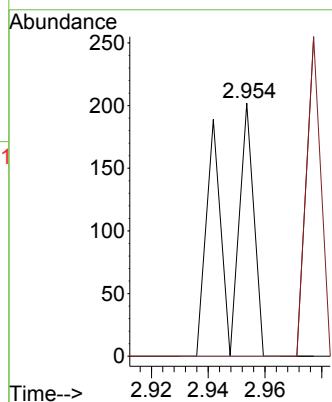
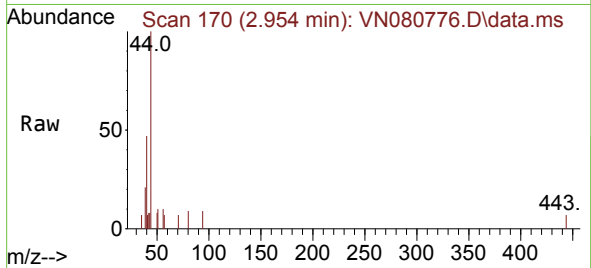




#5
Bromomethane
Concen: 0.242 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

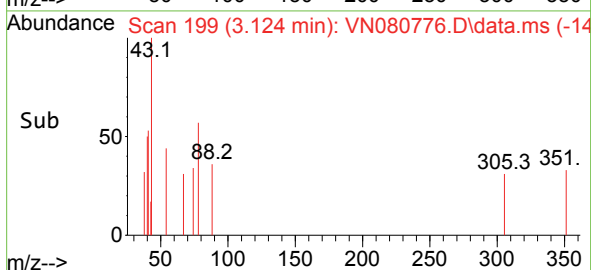
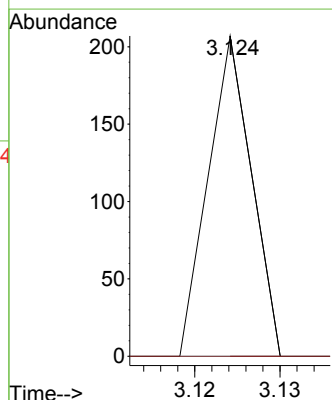
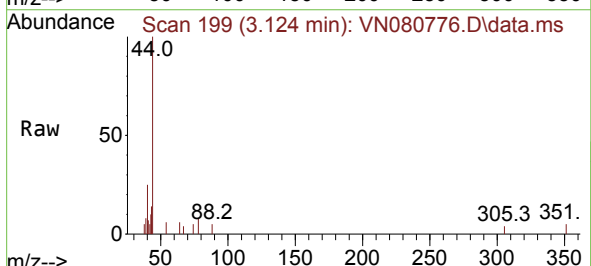
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

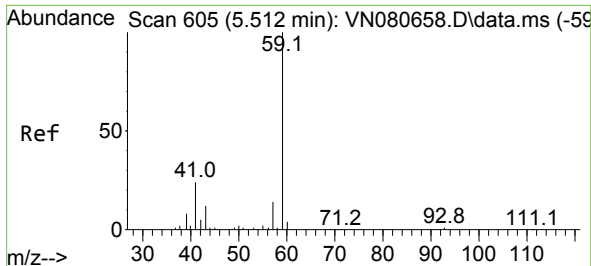
Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 64 Resp: 73
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

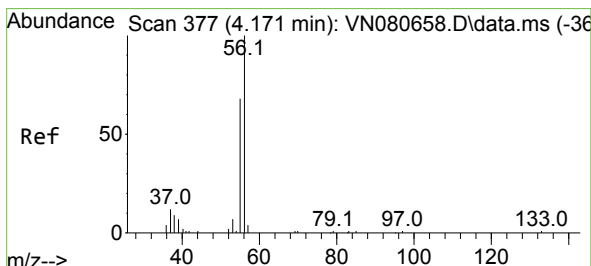
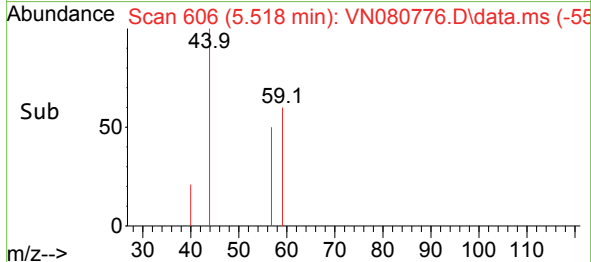
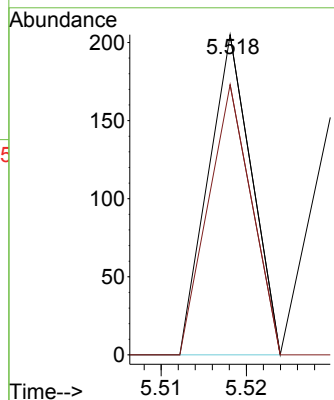
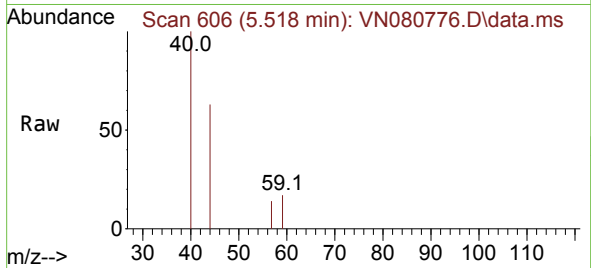




#11
Tert butyl alcohol
Concen: 0.238 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

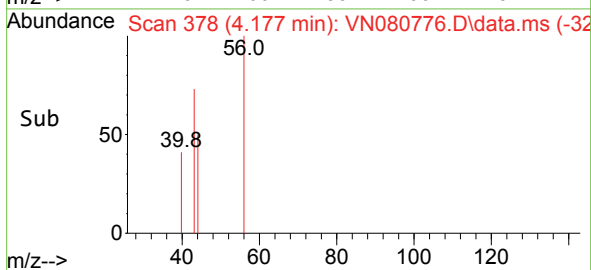
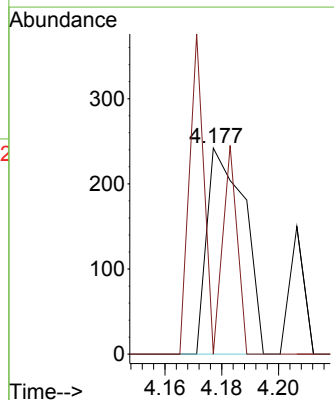
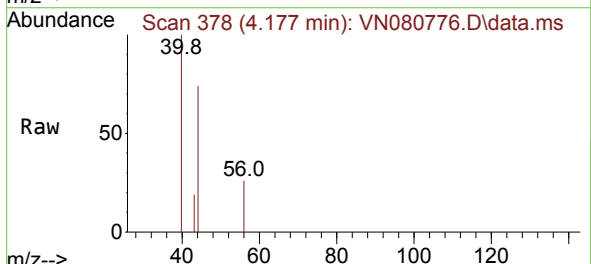
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

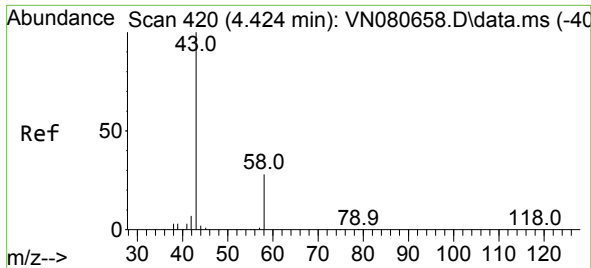
Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 84.7 8.2 12.4#



#13
Acrolein
Concen: 0.876 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 99.1 54.5 81.7#

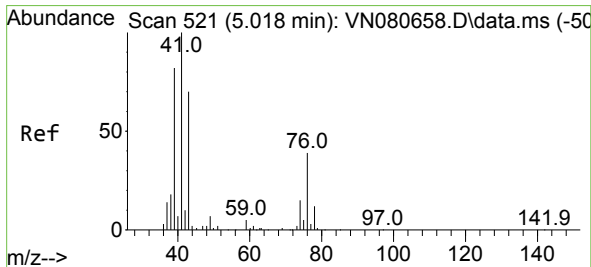
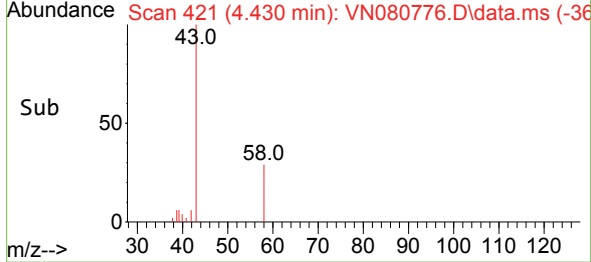
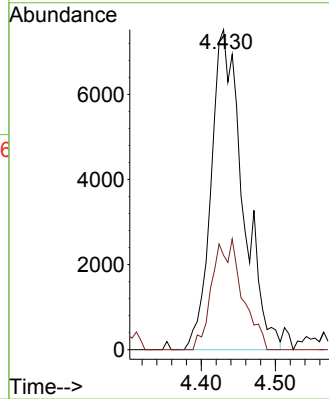
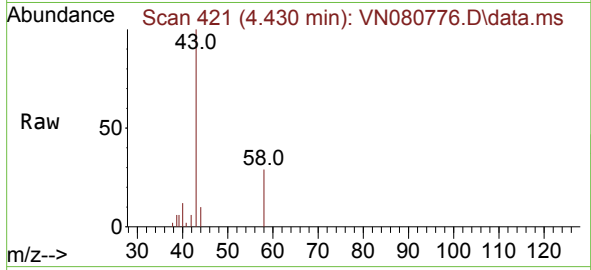




#16
Acetone
Concen: 38.169 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

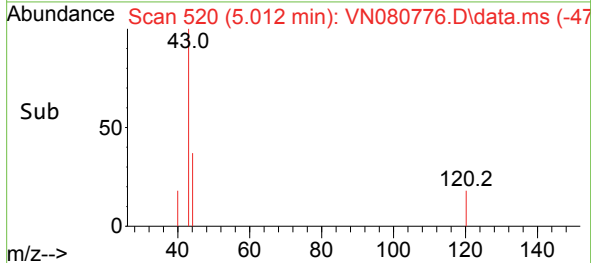
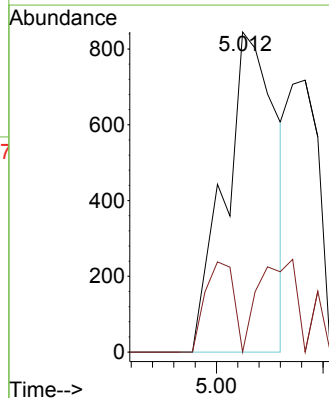
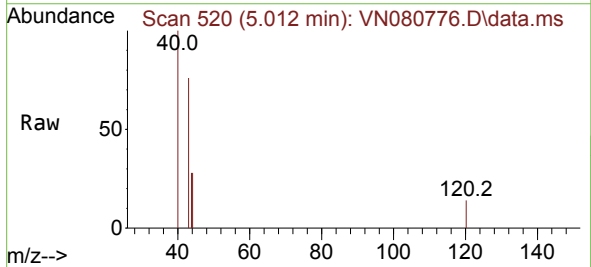
Instrument :
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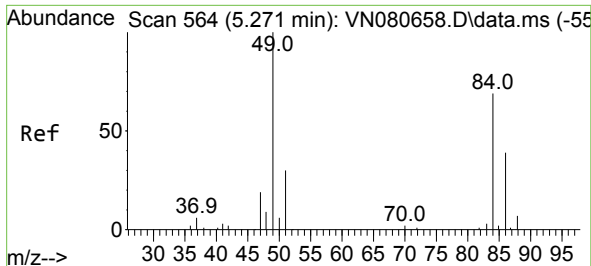
Tgt Ion: 43 Resp: 22383
Ion Ratio Lower Upper
43 100
58 29.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.800 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 43 Resp: 1397
Ion Ratio Lower Upper
43 100
74 15.7 26.2 39.4#

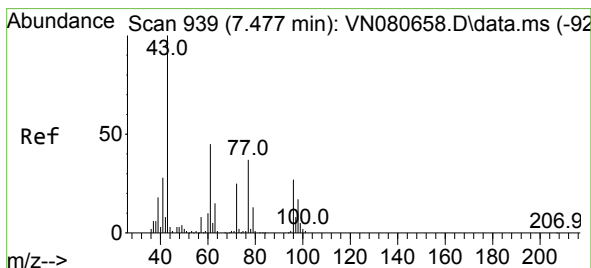
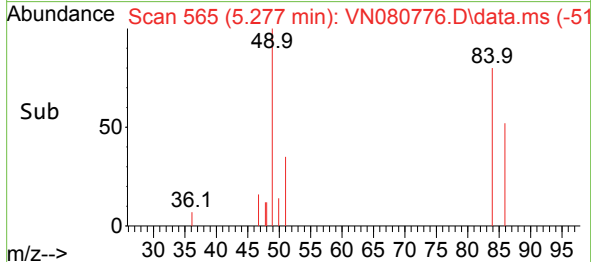
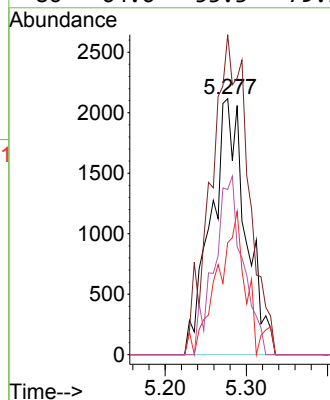
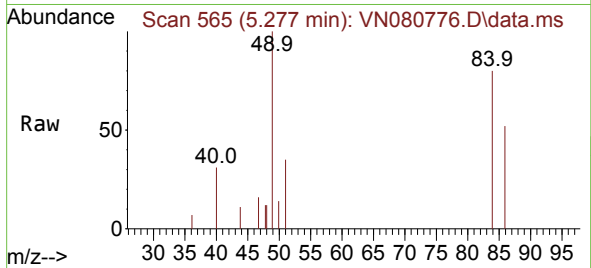




#20
Methylene Chloride
Concen: 3.684 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

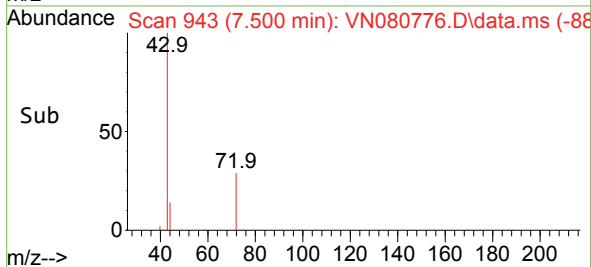
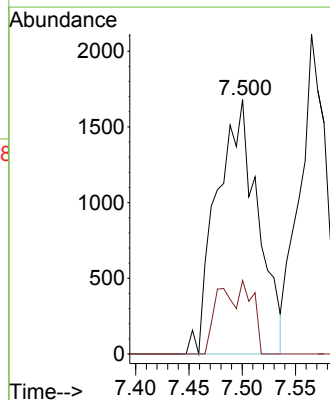
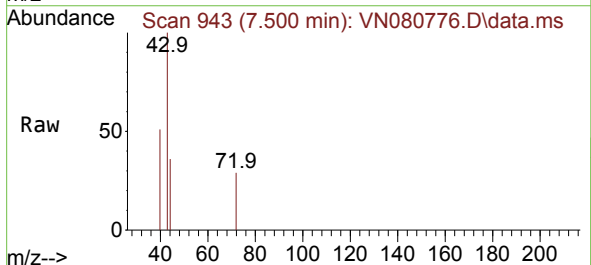
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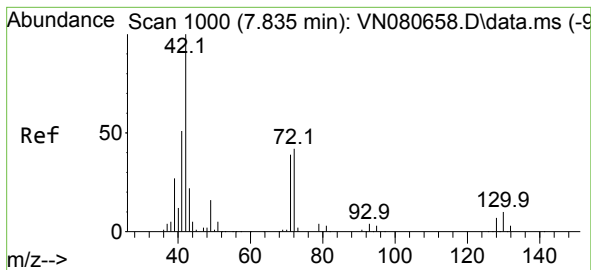
Tgt Ion:	84	Resp:	6306
Ion	Ratio	Lower	Upper
84	100		
49	125.0	79.7	119.5#
51	43.8	25.2	37.8#
86	64.6	53.3	79.9



#25
2-Butanone
Concen: 4.248 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.024 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion:	43	Resp:	4503
Ion	Ratio	Lower	Upper
43	100		
72	28.9	30.2	45.2#





#29

Tetrahydrofuran

Concen: 2.147 ug/l

RT: 7.865 min Scan# 10

Delta R.T. 0.030 min

Lab File: VN080776.D

Acq: 26 Jan 2024 17:48

Instrument :

MSVOA_N

ClientSampleId :

MR-308-17-19

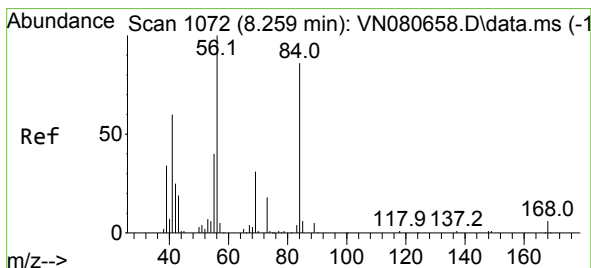
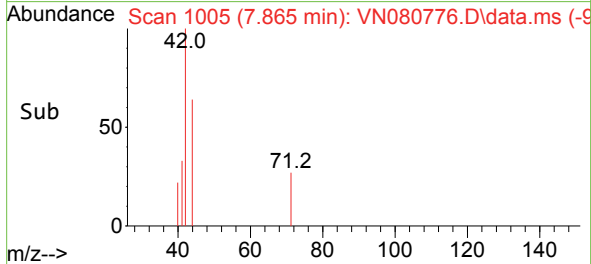
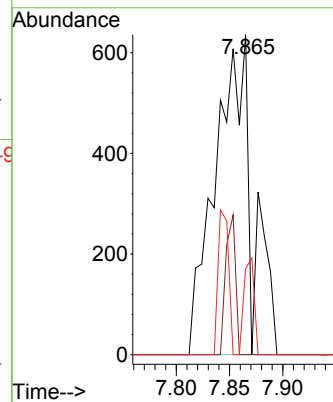
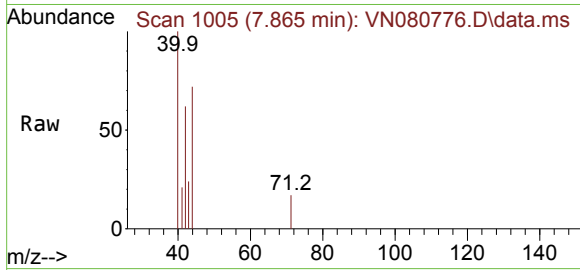
Tgt Ion: 42 Resp: 1534

Ion Ratio Lower Upper

42 100

72 11.4 49.8 74.6#

71 8.3 47.4 71.2#



#31

Cyclohexane

Concen: 1.317 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.023 min

Lab File: VN080776.D

Acq: 26 Jan 2024 17:48

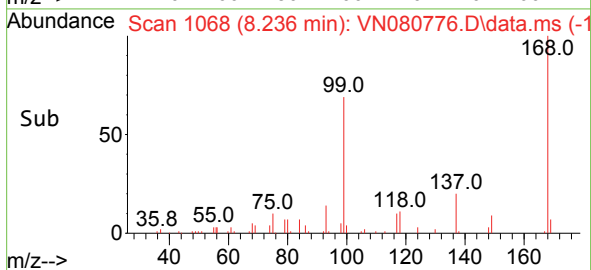
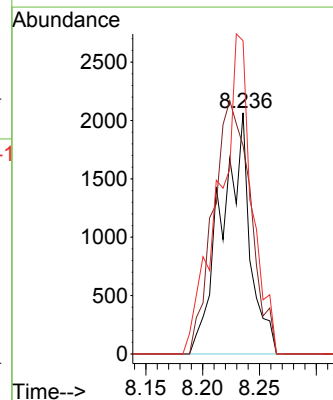
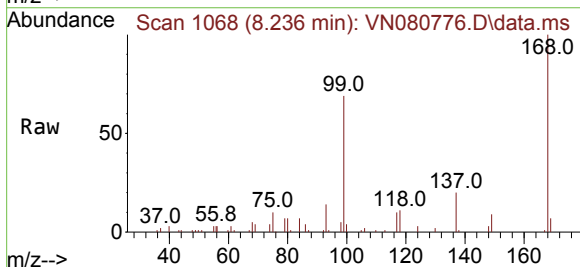
Tgt Ion: 56 Resp: 3635

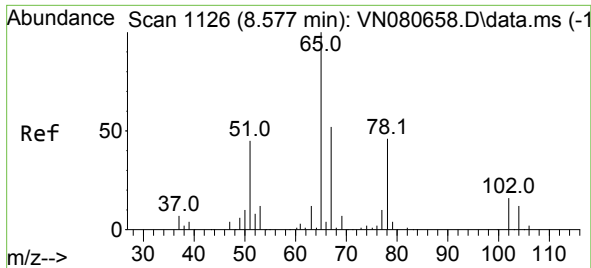
Ion Ratio Lower Upper

56 100

69 86.5 26.8 40.2#

84 129.9 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.063 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080776.D

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ClientSampleId :

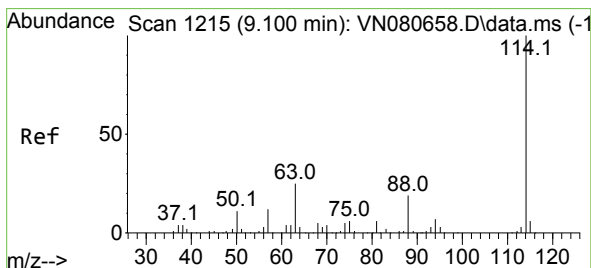
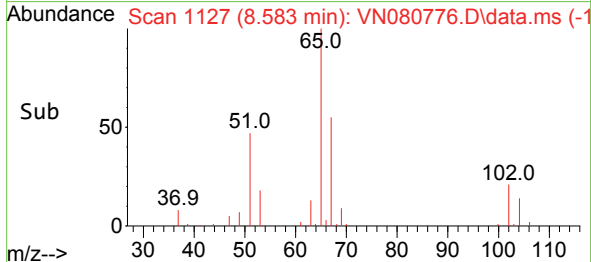
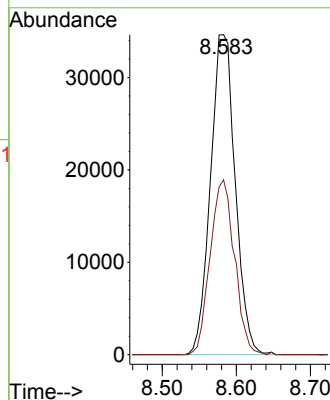
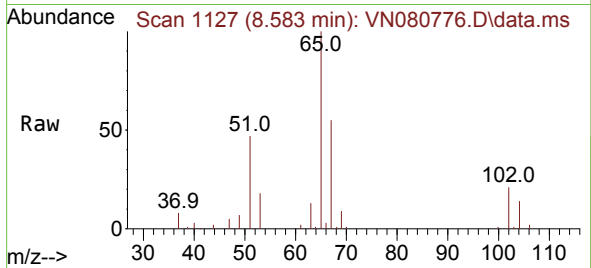
MR-308-17-19

Tgt Ion: 65 Resp: 80491

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080776.D

Acq: 26 Jan 2024 17:48

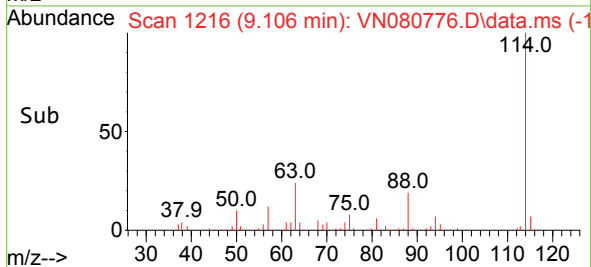
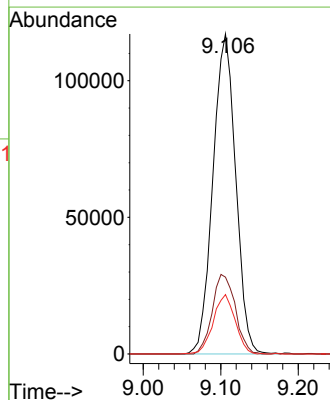
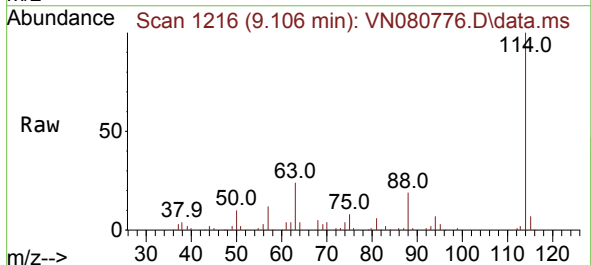
Tgt Ion: 114 Resp: 238823

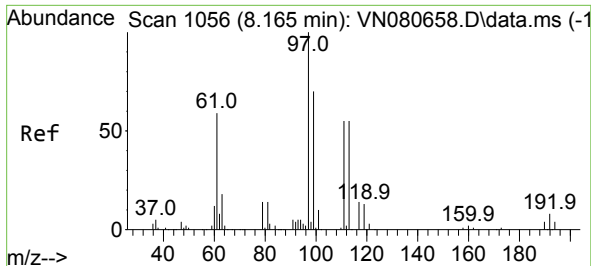
Ion Ratio Lower Upper

114 100

63 24.0 0.0 36.4

88 18.6 0.0 30.6

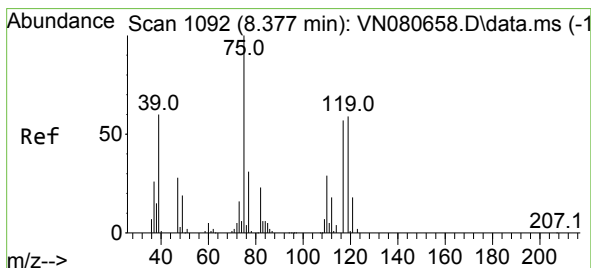
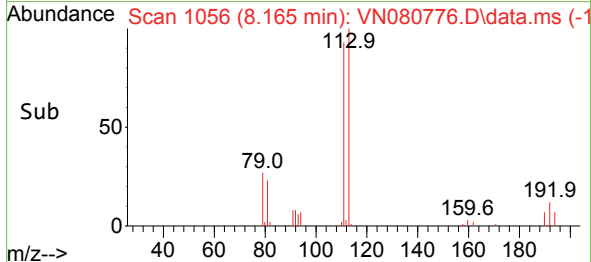
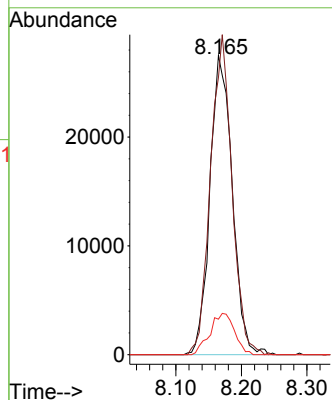
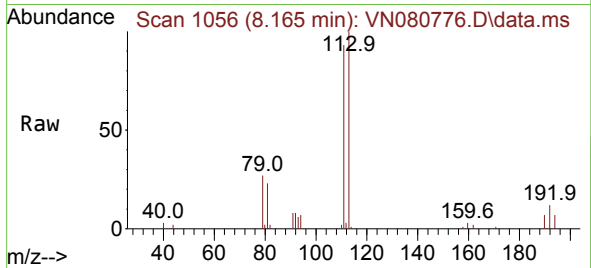




#35
Dibromofluoromethane
Concen: 48.025 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

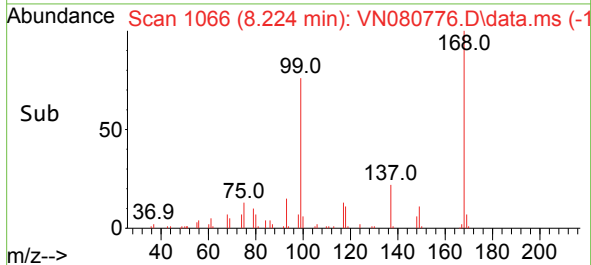
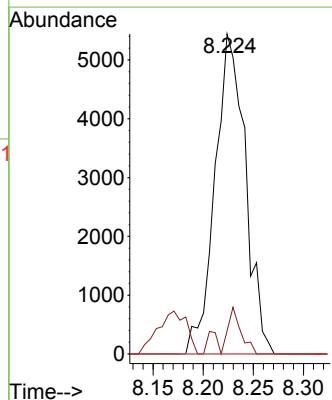
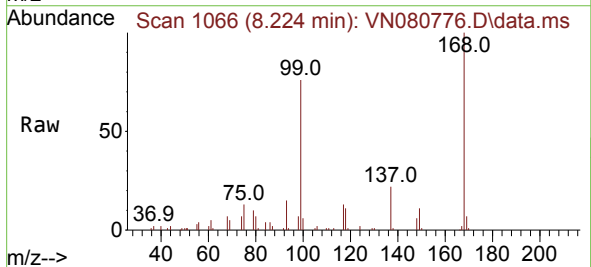
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

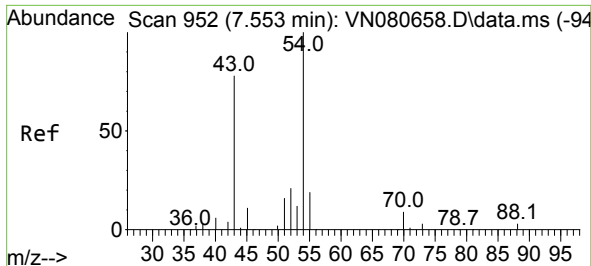
Tgt Ion:113 Resp: 65167
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 15.2 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.132 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 75 Resp: 11485
Ion Ratio Lower Upper
75 100
110 6.3 19.1 57.3#
77 0.0 25.0 37.4#

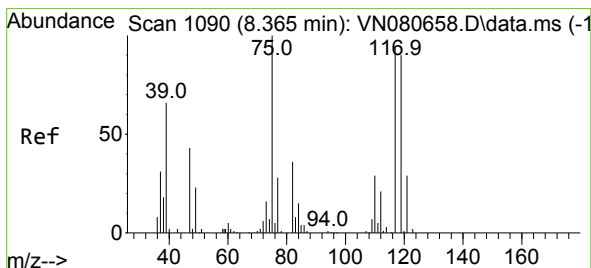
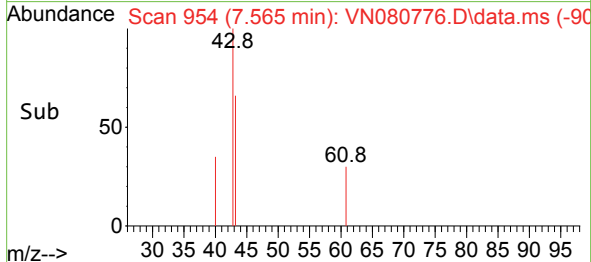
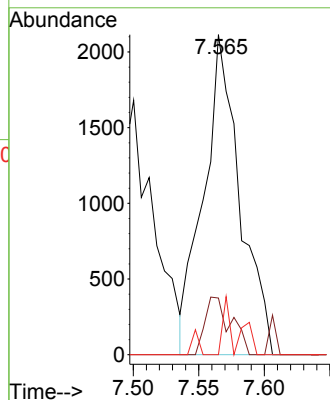
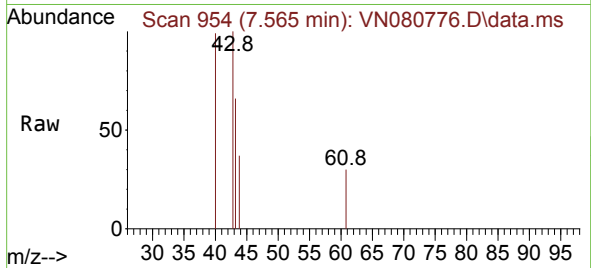




#37
Ethyl Acetate
Concen: 1.505 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

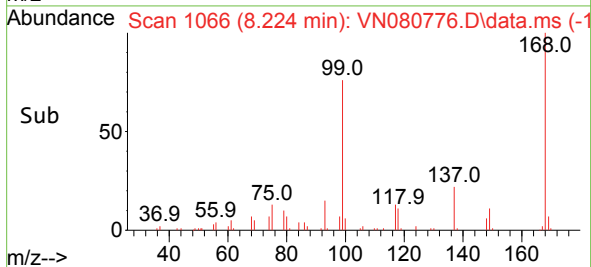
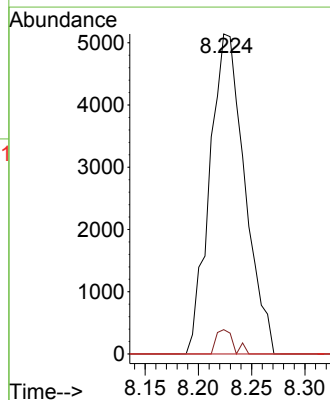
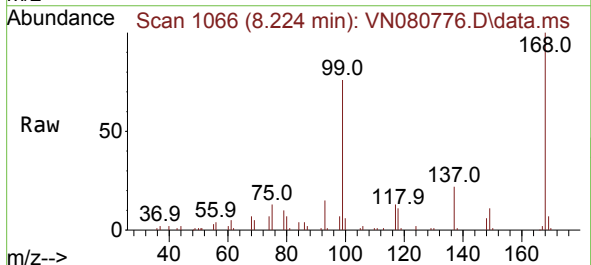
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

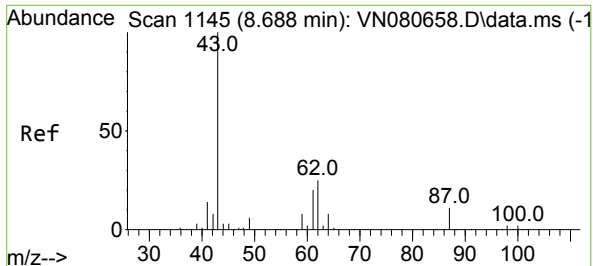
Tgt Ion: 43 Resp: 4057
Ion Ratio Lower Upper
43 100
61 12.9 13.2 19.8#
70 6.8 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.708 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 117 Resp: 11751
Ion Ratio Lower Upper
117 100
119 7.6 77.3 115.9#
121 0.0 23.3 34.9#

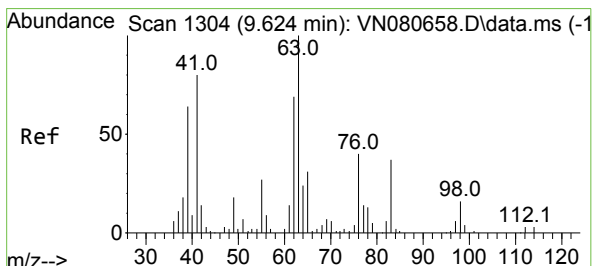
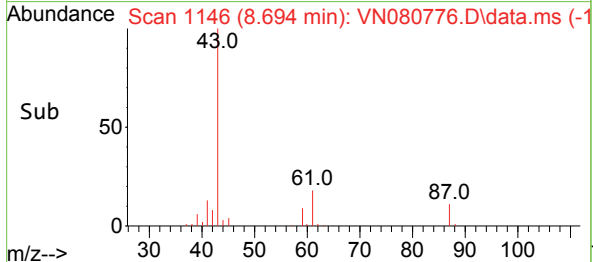
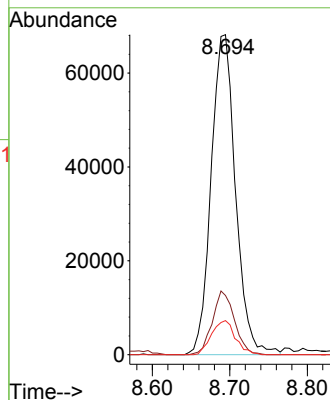
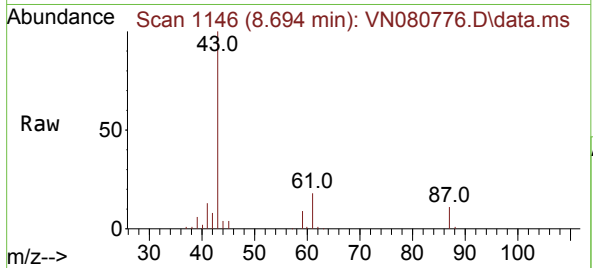




#43
Isopropyl Acetate
Concen: 30.119 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

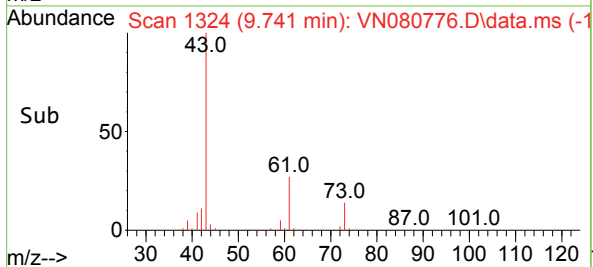
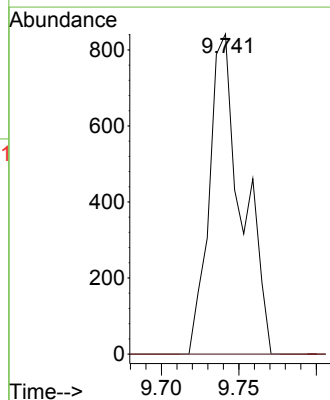
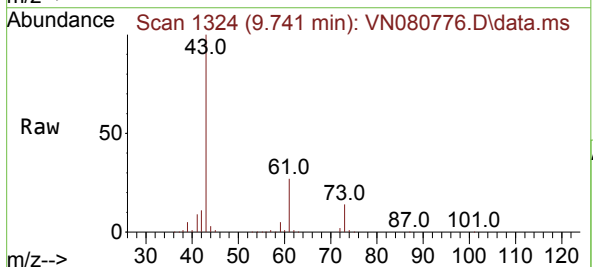
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

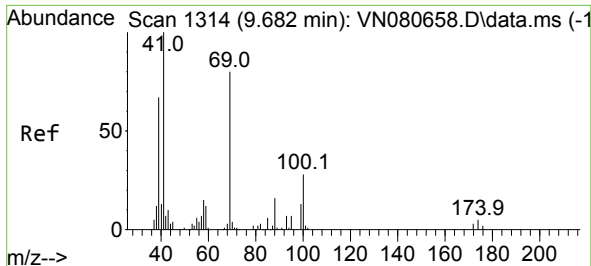
Tgt Ion: 43 Resp: 149225
Ion Ratio Lower Upper
43 100
61 18.0 24.7 37.1#
87 10.4 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.595 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 63 Resp: 1233
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

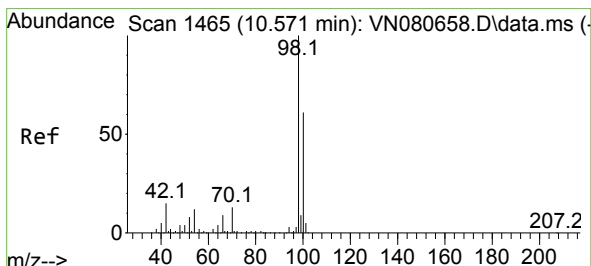
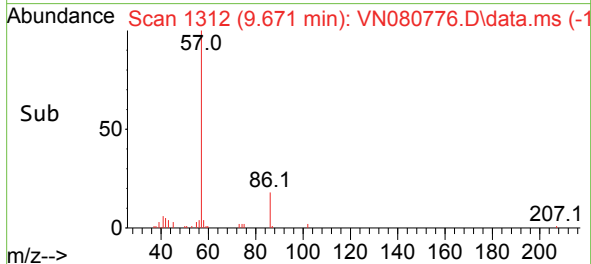
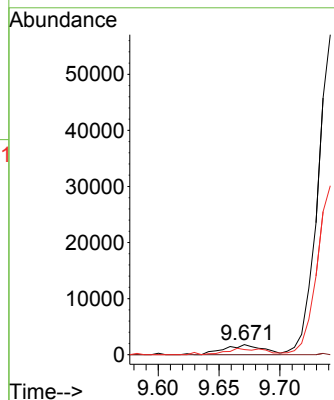
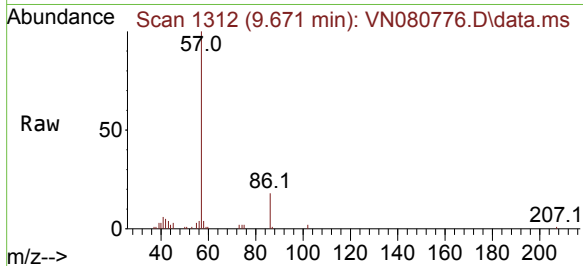




#48
Methyl methacrylate
Concen: 1.691 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

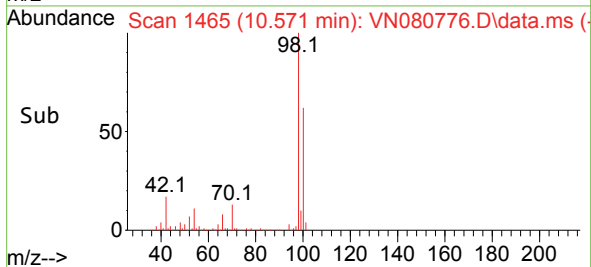
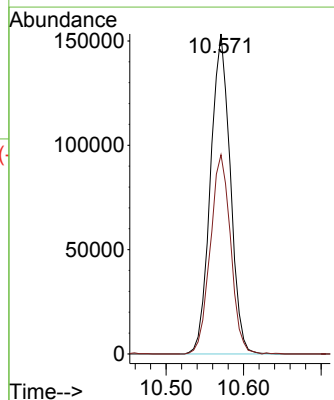
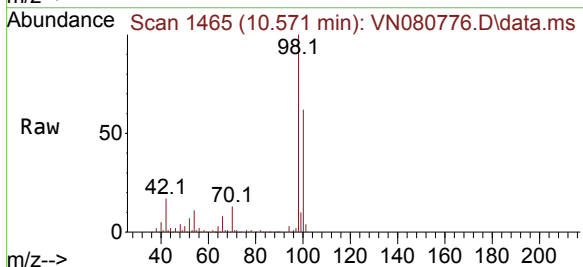
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

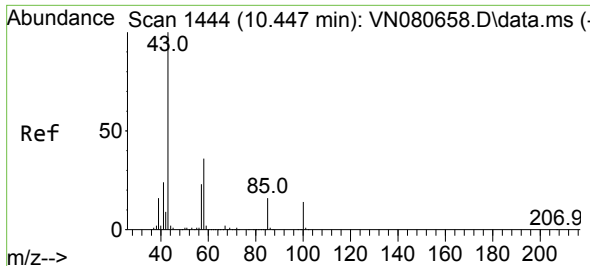
Tgt Ion: 41 Resp: 3967
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 60.8 54.6 81.8



#50
Toluene-d8
Concen: 52.482 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 98 Resp: 271547
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

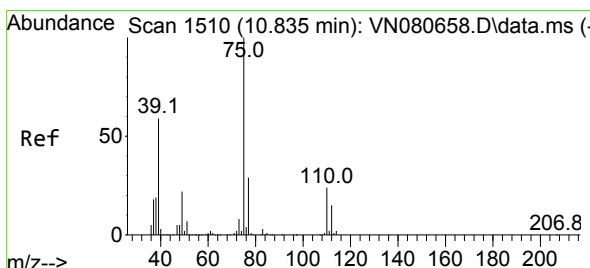
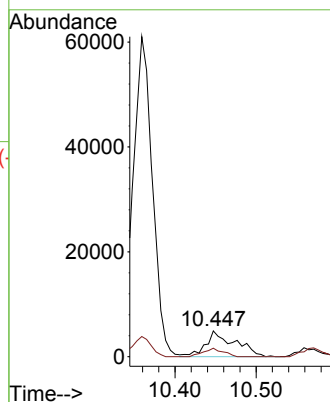
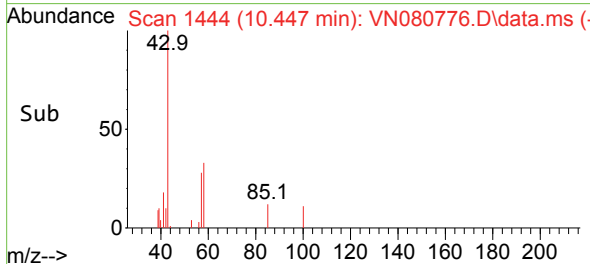
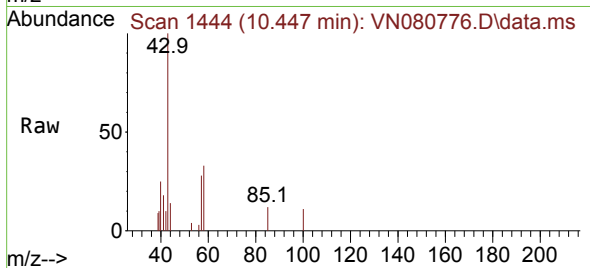




#51
4-Methyl-2-Pentanone
Concen: 4.592 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

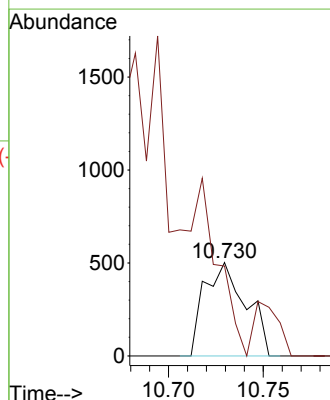
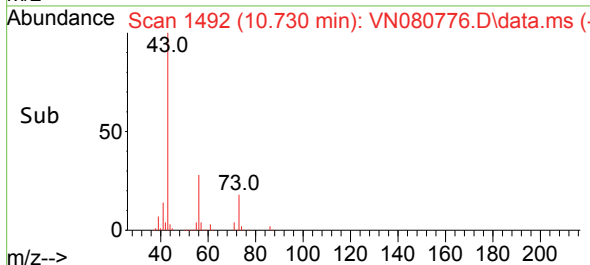
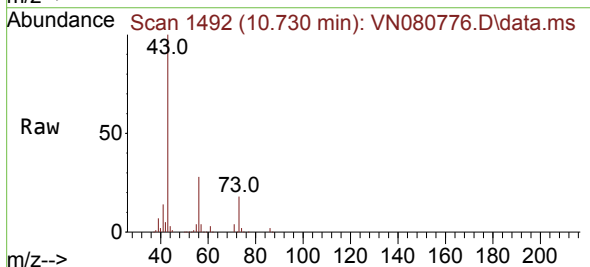
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

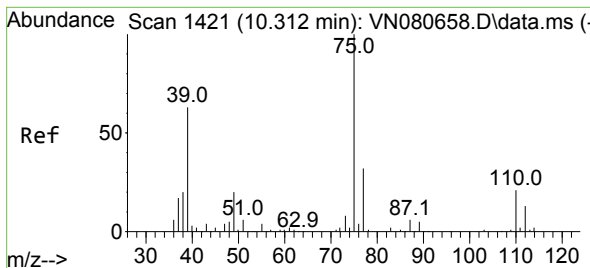
Tgt Ion: 43 Resp: 12273
Ion Ratio Lower Upper
43 100
58 22.2 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.237 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 75 Resp: 765
Ion Ratio Lower Upper
75 100
77 60.8 25.4 38.0#

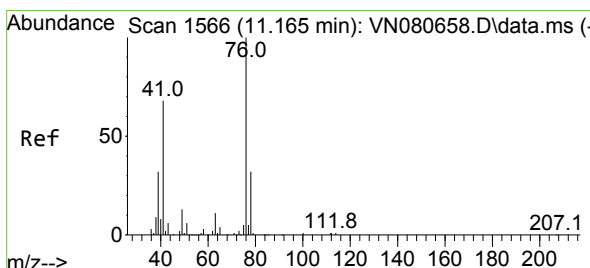
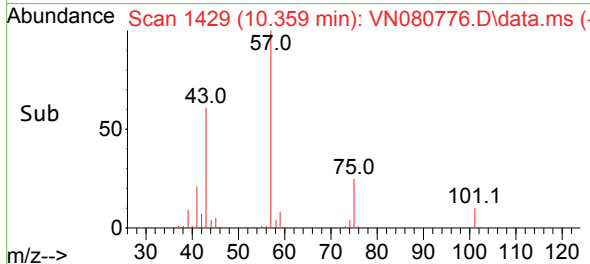
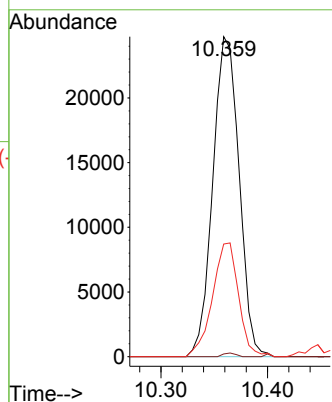
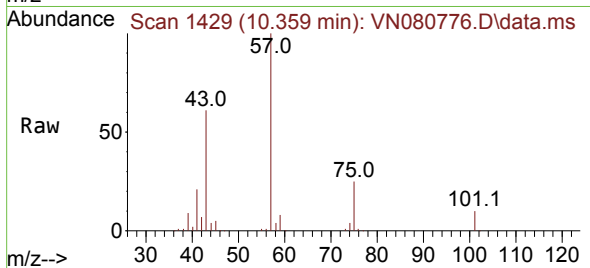




#54
 cis-1,3-Dichloropropene
 Concen: 12.367 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080776.D
 Acq: 26 Jan 2024 17:48

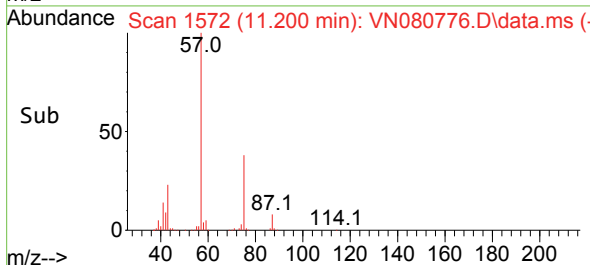
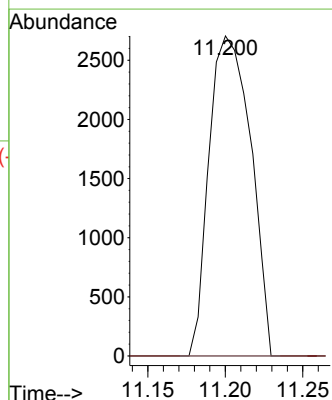
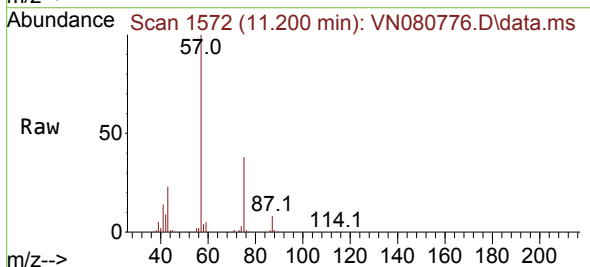
Instrument :
 MSVOA_N
 ClientSampleId :
 MR-308-17-19

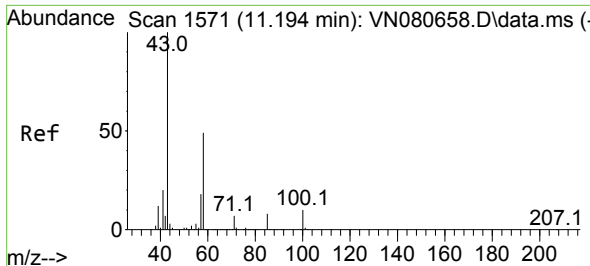
Tgt Ion: 75 Resp: 42346
 Ion Ratio Lower Upper
 75 100
 77 0.9 26.1 39.1#
 39 35.2 31.6 47.4



#57
 1,3-Dichloropropane
 Concen: 1.612 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN080776.D
 Acq: 26 Jan 2024 17:48

Tgt Ion: 76 Resp: 5072
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

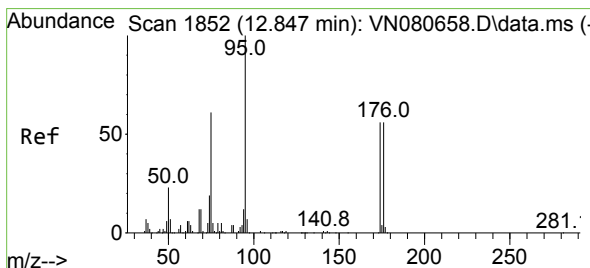
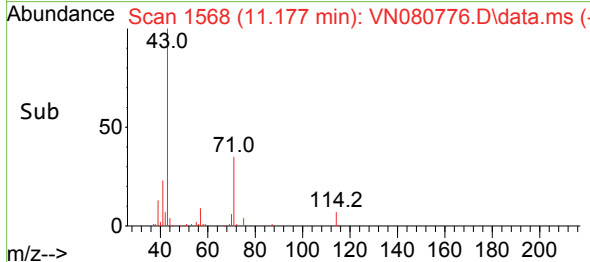
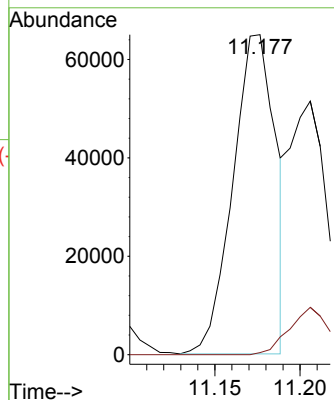
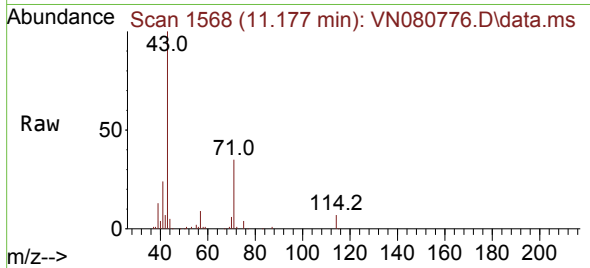




#59
2-Hexanone
Concen: 57.501 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.017 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

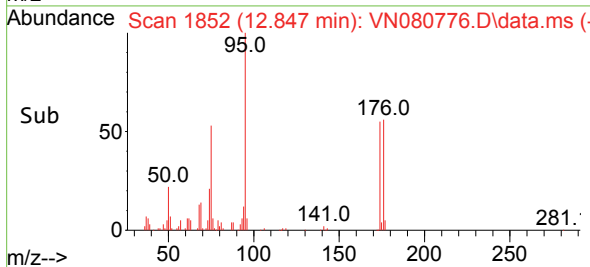
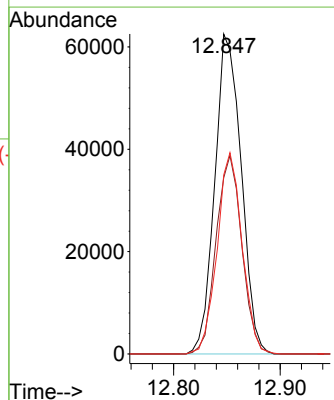
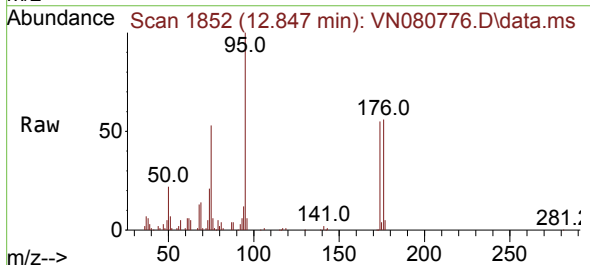
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

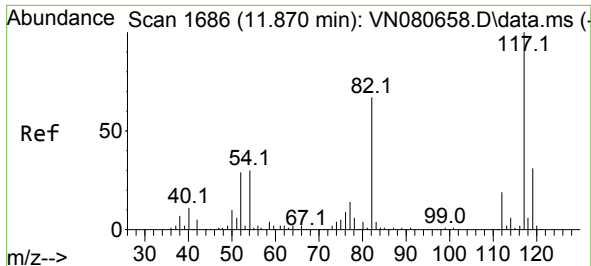
Tgt Ion: 43 Resp: 113457
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.315 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion: 95 Resp: 107768
Ion Ratio Lower Upper
95 100
174 60.3 0.0 143.8
176 59.4 0.0 135.8

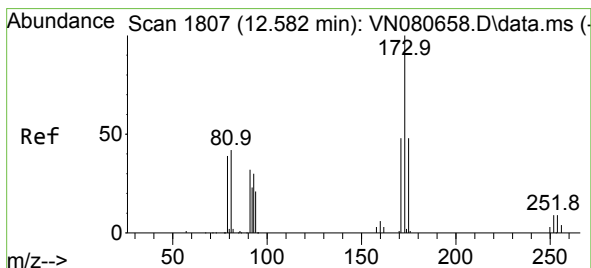
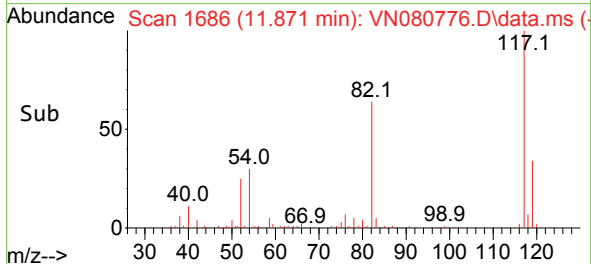
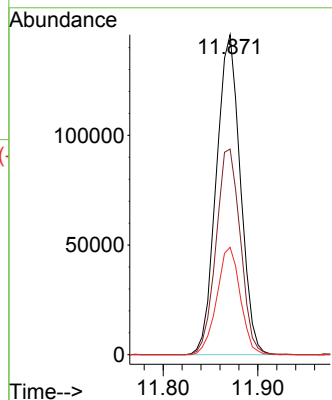
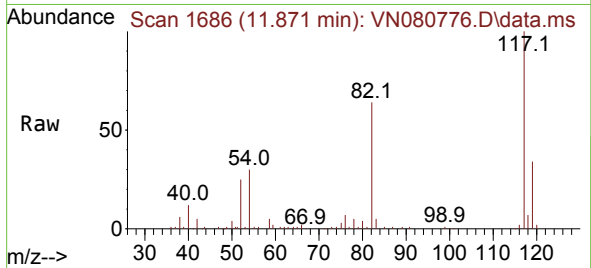




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

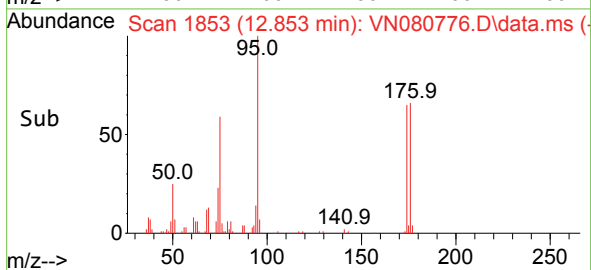
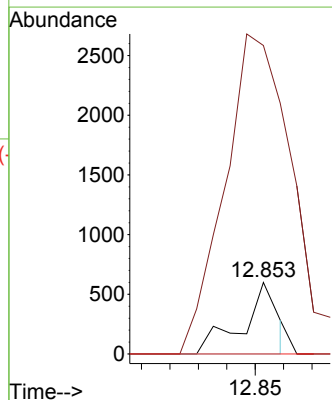
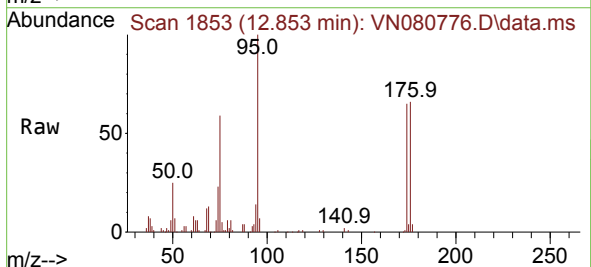
Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

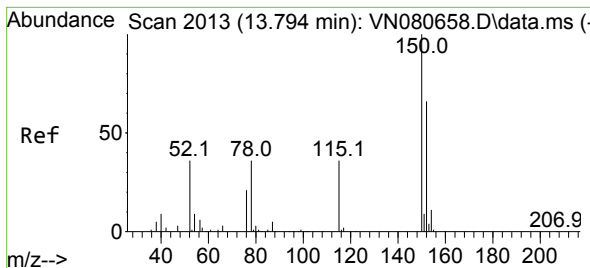
Tgt Ion:117 Resp: 256991
Ion Ratio Lower Upper
117 100
82 64.2 44.0 66.0
119 33.5 25.6 38.4



#71
Bromoform
Concen: 0.376 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Tgt Ion:173 Resp: 516
Ion Ratio Lower Upper
173 100
175 705.8 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080776.D

Acq: 26 Jan 2024 17:48

Instrument :

MSVOA_N

ClientSampleId :

MR-308-17-19

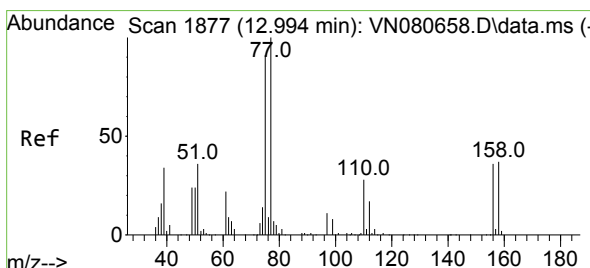
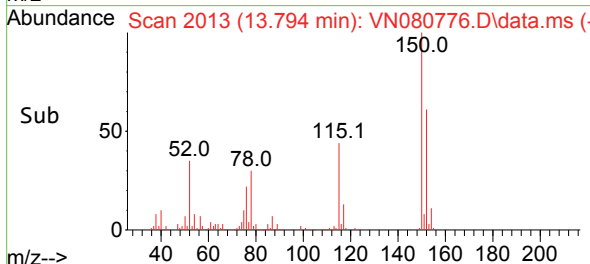
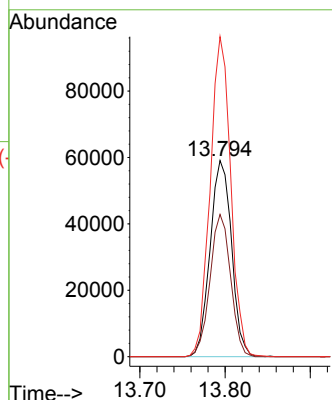
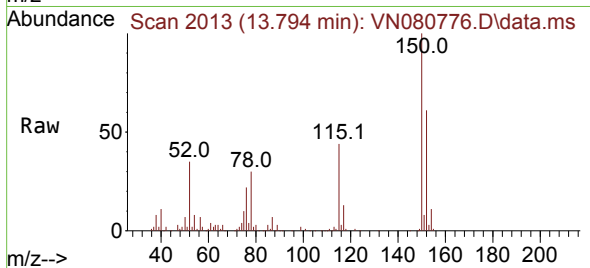
Tgt Ion:152 Resp: 103255

Ion Ratio Lower Upper

152 100

115 69.6 32.3 96.8

150 156.1 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 19.134 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080776.D

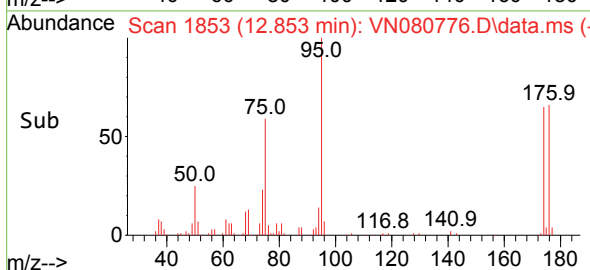
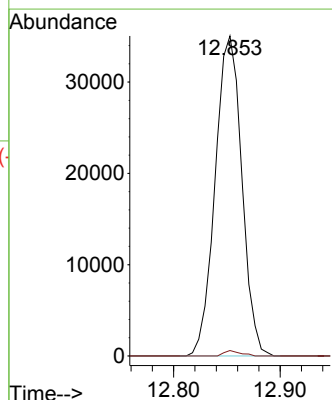
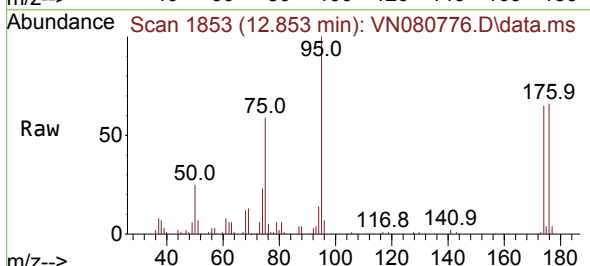
Acq: 26 Jan 2024 17:48

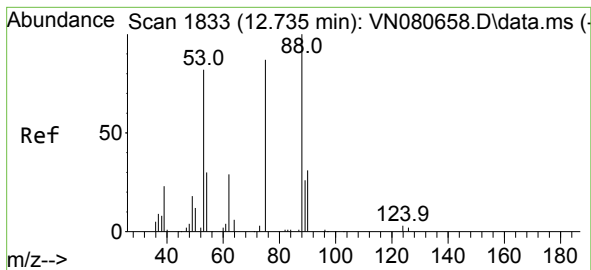
Tgt Ion: 75 Resp: 60921

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 45.106 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN080776.D
Acq: 26 Jan 2024 17:48

Instrument :
MSVOA_N
ClientSampleId :
MR-308-17-19

Tgt Ion: 75 Resp: 60921
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

