

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012324\
 Data File : VN080760.D
 Acq On : 23 Jan 2024 14:12
 Operator : JC\MD
 Sample : P1183-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MR-305-25-27

Quant Time: Jan 24 02:00:16 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)

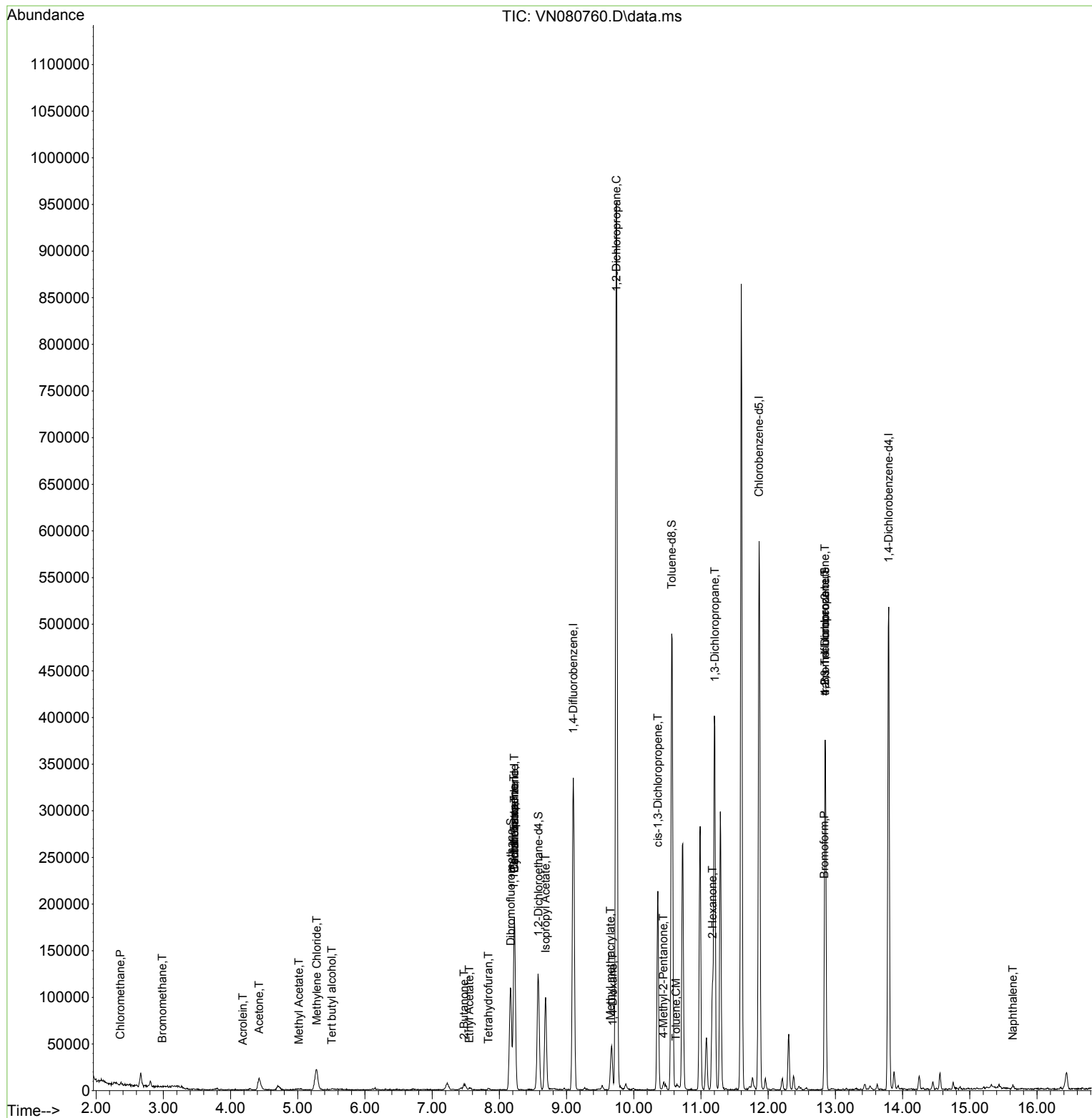
Internal Standards						
1) Pentafluorobenzene	8.224	168	119136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298458	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	93635	44.755	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.520%
35) Dibromofluoromethane	8.171	113	75874	49.233	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.460%
50) Toluene-d8	10.565	98	325110	55.325	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.660%
62) 4-Bromofluorobenzene	12.847	95	129251	57.357	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2925	0.699	ug/l #	75
5) Bromomethane	2.983	94	148	0.222	ug/l #	4
6) Chloroethane	3.136	64	61	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	969	2.739	ug/l #	72
13) Acrolein	4.183	56	327	1.106	ug/l #	16
16) Acetone	4.424	43	22719	33.076	ug/l #	85
18) Methyl Acetate	5.018	43	1144	0.559	ug/l #	50
20) Methylene Chloride	5.283	84	16393	8.175	ug/l #	80
25) 2-Butanone	7.477	43	5089	4.099	ug/l	90
29) Tetrahydrofuran	7.835	42	410	0.490	ug/l #	20
31) Cyclohexane	8.224	56	4055	1.255	ug/l #	45
36) 1,1-Dichloropropene	8.218	75	13086	4.145	ug/l #	47
37) Ethyl Acetate	7.553	43	1908	0.623	ug/l #	81
38) Carbon Tetrachloride	8.224	117	13850	4.886	ug/l #	15
43) Isopropyl Acetate	8.688	43	118384	21.039	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1120	0.476	ug/l #	45
48) Methyl methacrylate	9.653	41	4055	1.522	ug/l #	33
49) 1,4-Dioxane	9.688	88	85	2.561	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	5847	1.926	ug/l	88
52) Toluene	10.629	92	1926	0.379	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	36378	9.354	ug/l #	71
57) 1,3-Dichloropropane	11.206	76	4144	1.160	ug/l #	42
59) 2-Hexanone	11.171	43	98338	43.882	ug/l #	19
71) Bromoform	12.835	173	768	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	75858	20.117	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75858	47.424	ug/l #	15
95) Naphthalene	15.641	128	3330	0.391	ug/l #	95

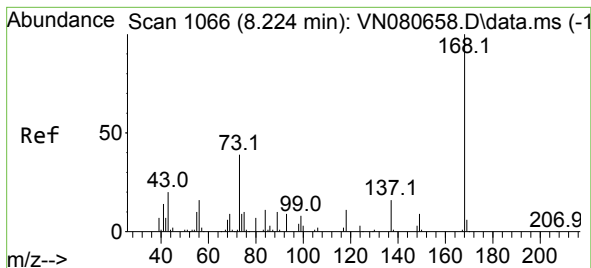
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

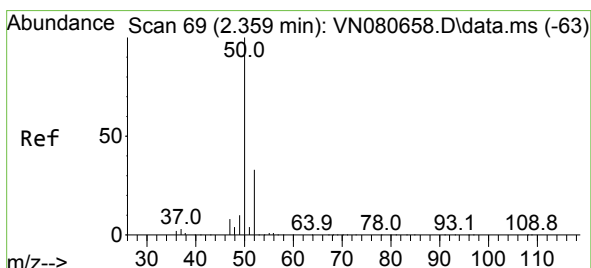
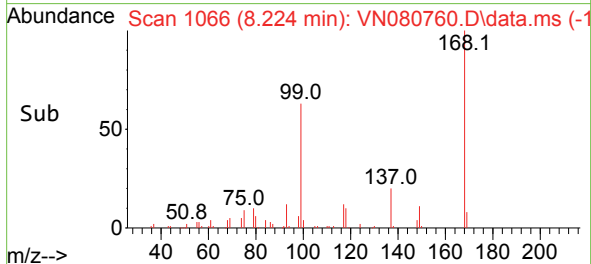
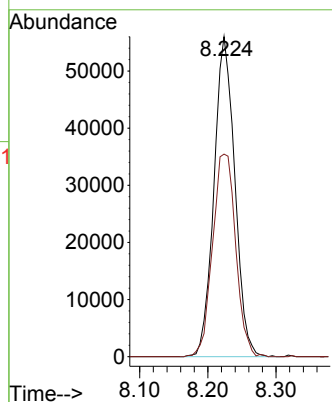
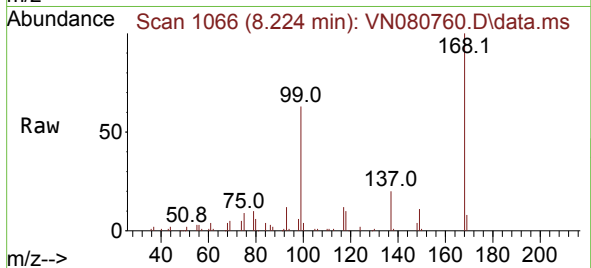
MR-305-25-27

Tgt Ion:168 Resp: 119136

Ion Ratio Lower Upper

168 100

99 63.3 53.0 79.6



#3

Chloromethane

Concen: 0.699 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080760.D

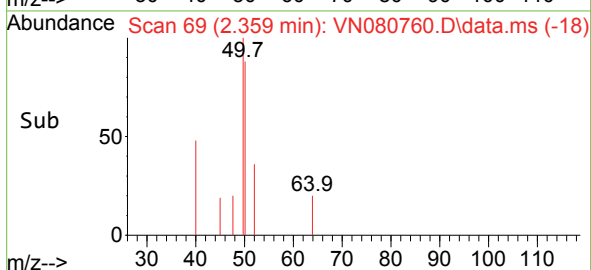
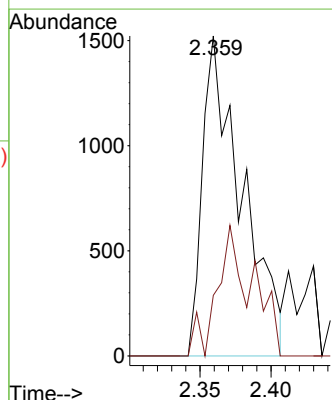
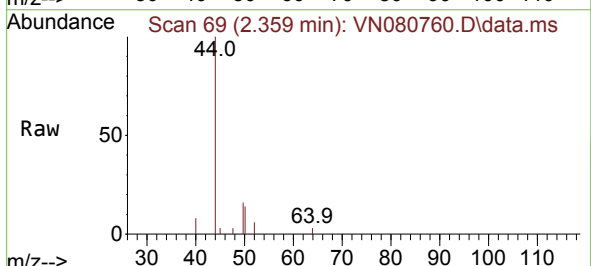
Acq: 23 Jan 2024 14:12

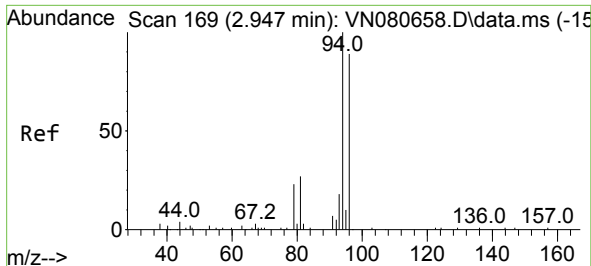
Tgt Ion: 50 Resp: 2925

Ion Ratio Lower Upper

50 100

52 18.9 26.5 39.7#

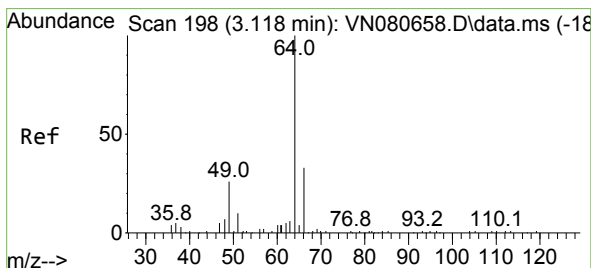
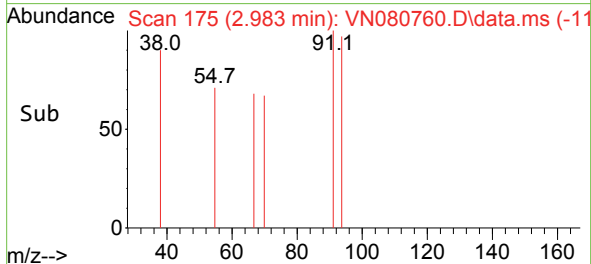
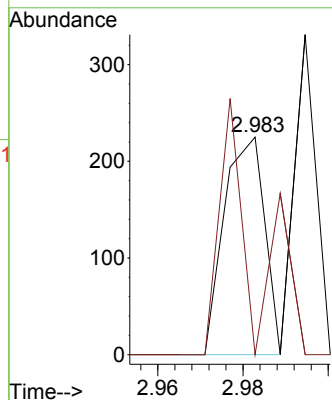
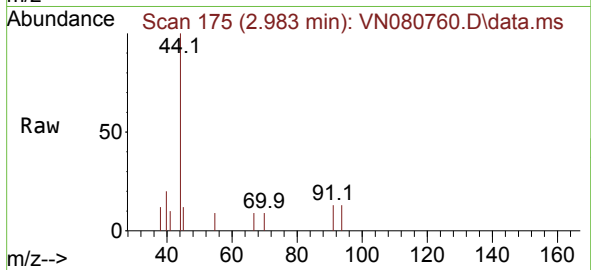




#5
Bromomethane
Concen: 0.222 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

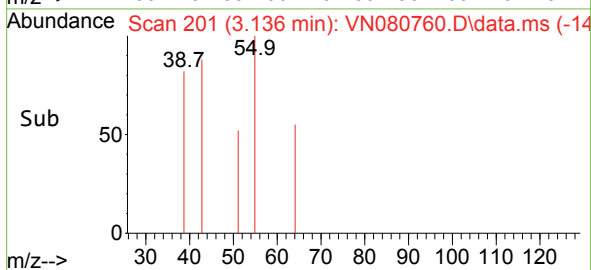
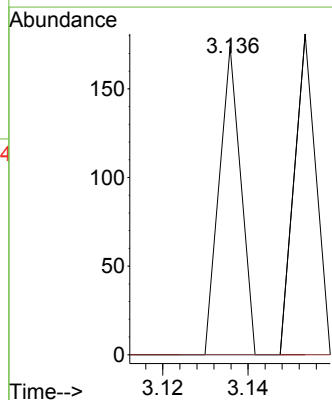
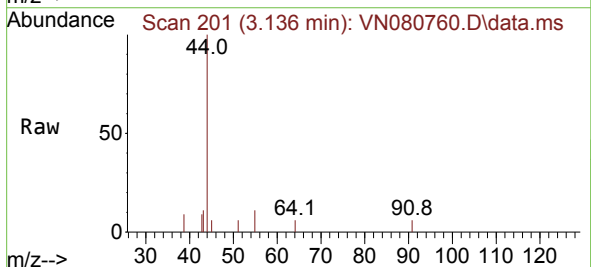
Instrument :
MSVOA_N
ClientSampleId :
MR-305-25-27

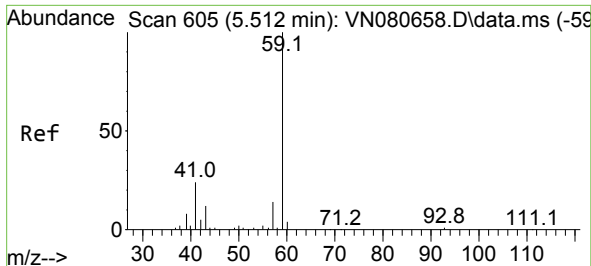
Tgt Ion: 94 Resp: 148
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

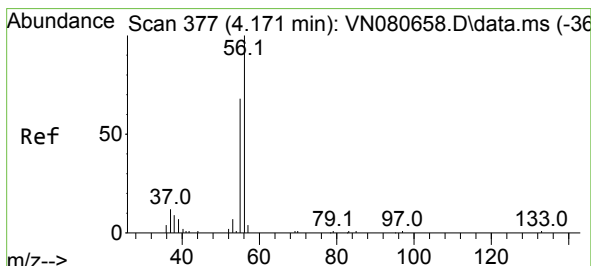
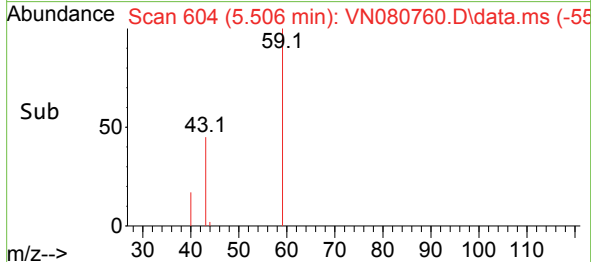
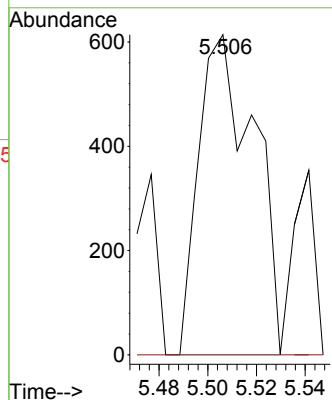
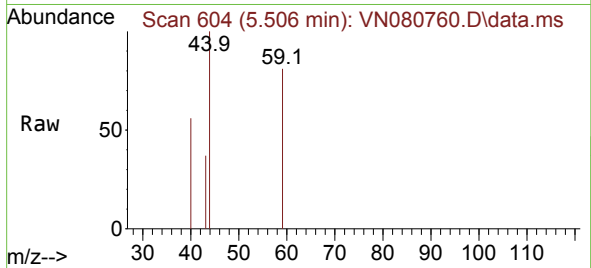




#11
Tert butyl alcohol
Concen: 2.739 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

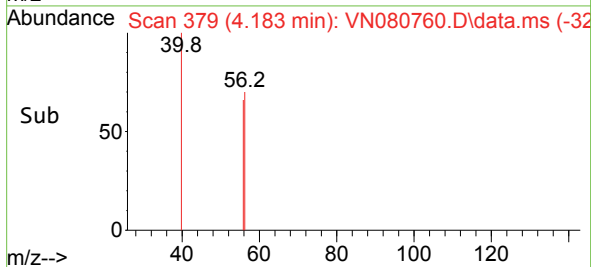
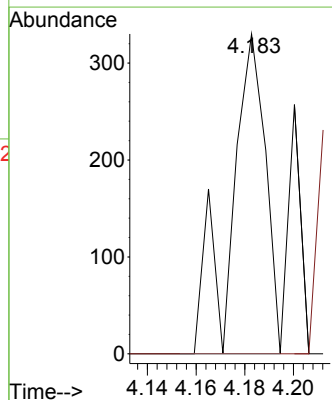
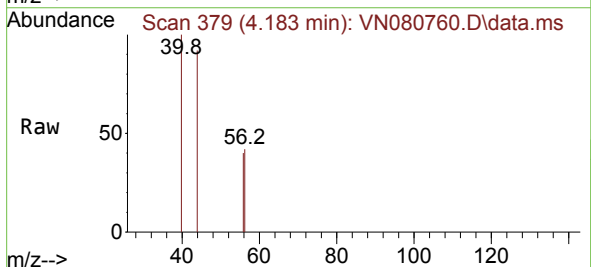
Instrument :
MSVOA_N
ClientSampleId :
MR-305-25-27

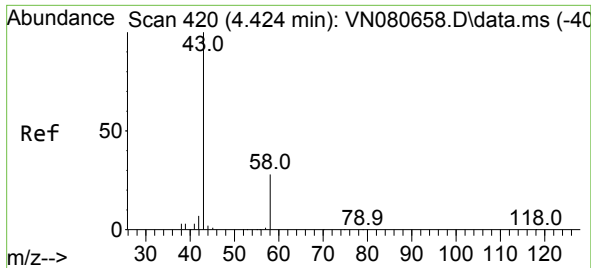
Tgt Ion: 59 Resp: 969
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 1.106 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Tgt Ion: 56 Resp: 327
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 33.076 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

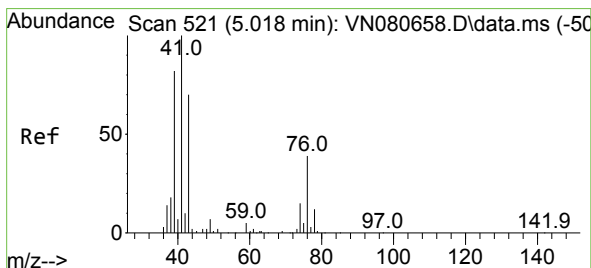
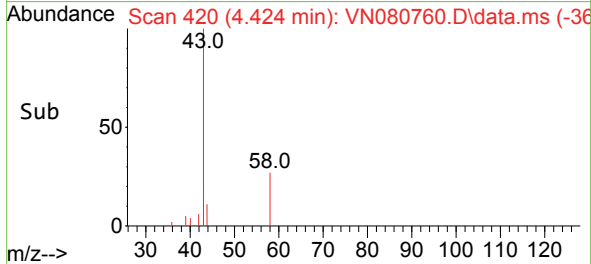
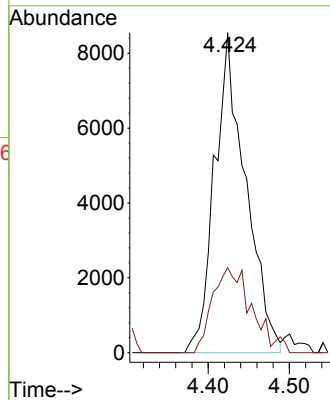
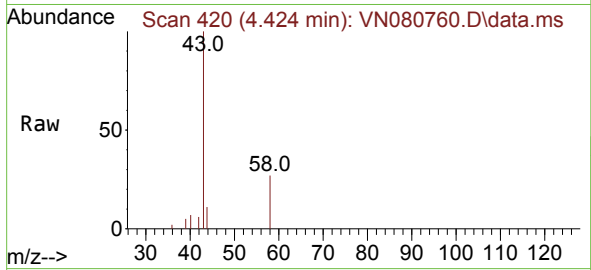
MR-305-25-27

Tgt Ion: 43 Resp: 22719

Ion Ratio Lower Upper

43 100

58 26.5 28.0 42.0#



#18

Methyl Acetate

Concen: 0.559 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN080760.D

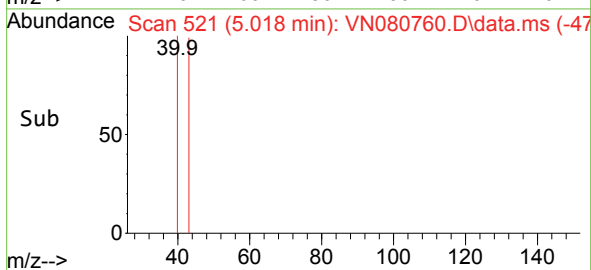
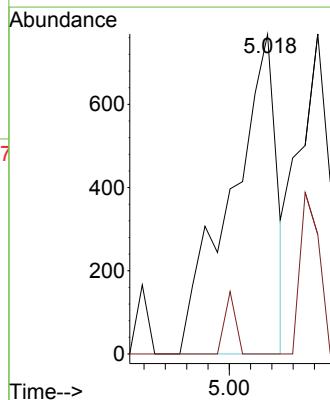
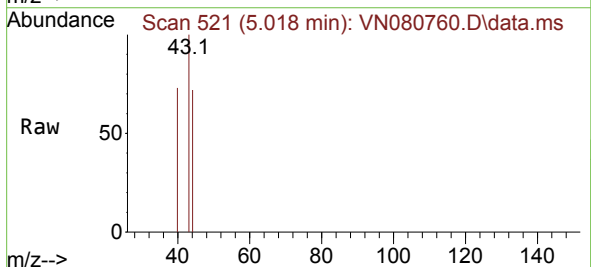
Acq: 23 Jan 2024 14:12

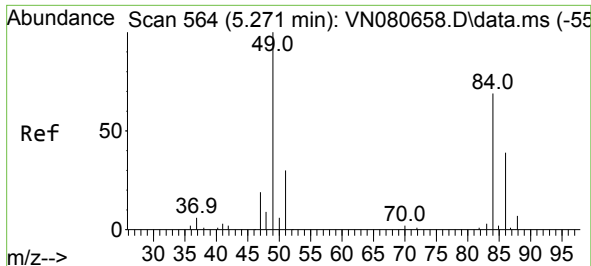
Tgt Ion: 43 Resp: 1144

Ion Ratio Lower Upper

43 100

74 4.6 26.2 39.4#

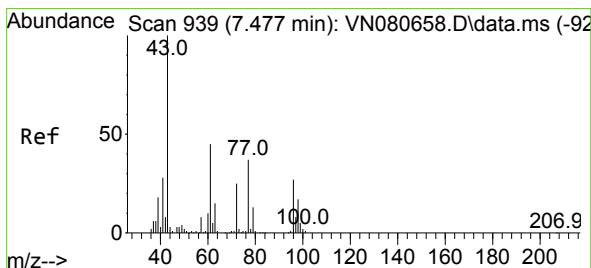
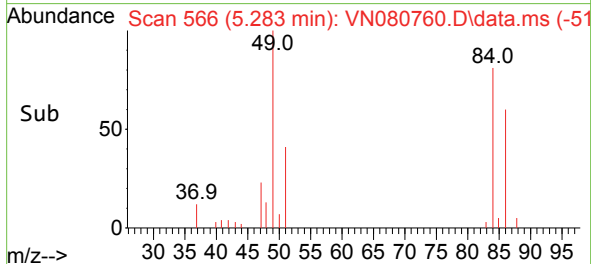
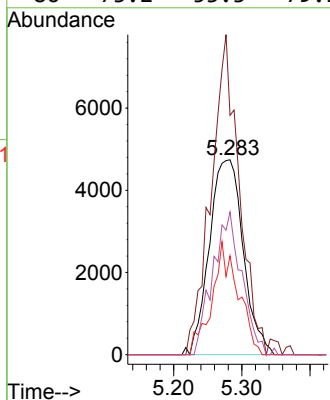
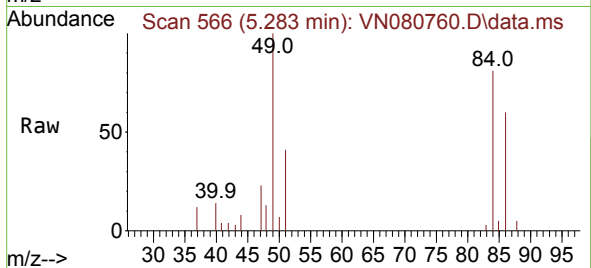




#20
Methylene Chloride
Concen: 8.175 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

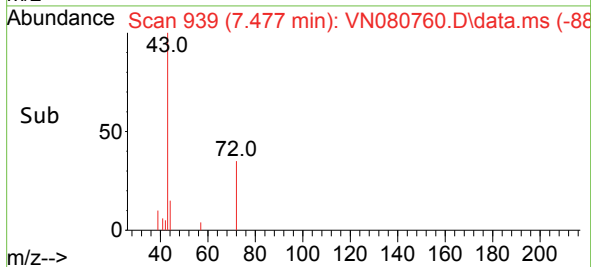
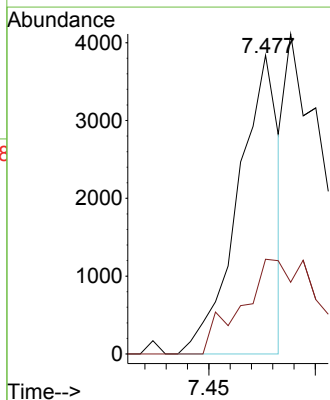
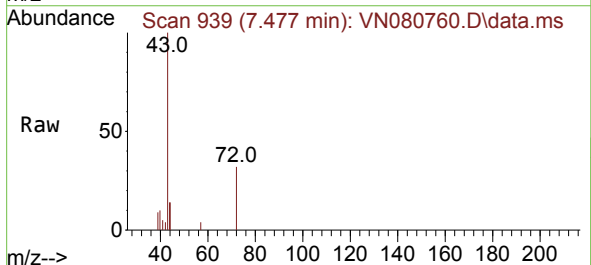
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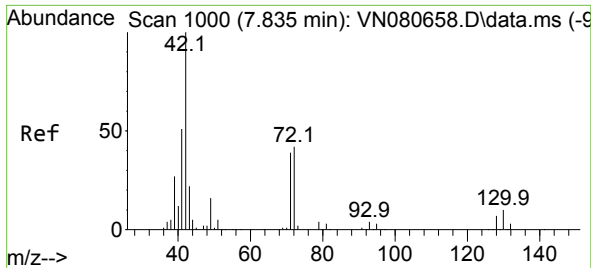
Tgt Ion:	84	Resp:	16393
Ion	Ratio	Lower	Upper
84	100		
49	122.8	79.7	119.5#
51	50.7	25.2	37.8#
86	73.2	53.3	79.9



#25
2-Butanone
Concen: 4.099 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Tgt Ion:	43	Resp:	5089
Ion	Ratio	Lower	Upper
43	100		
72	31.7	30.2	45.2

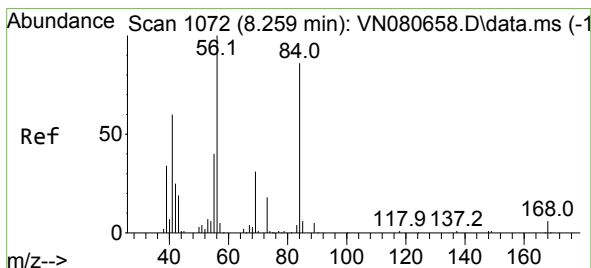
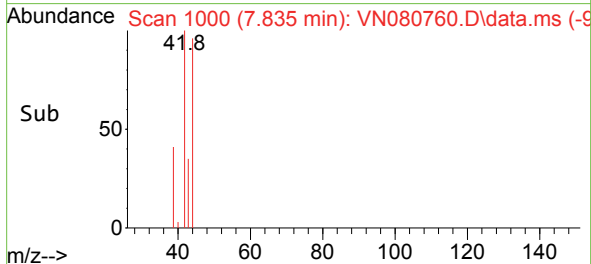
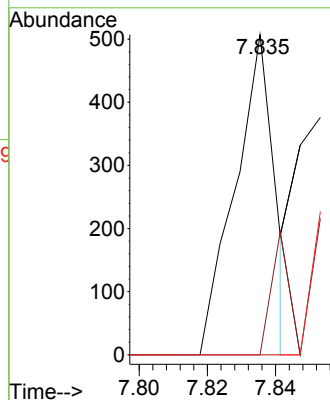
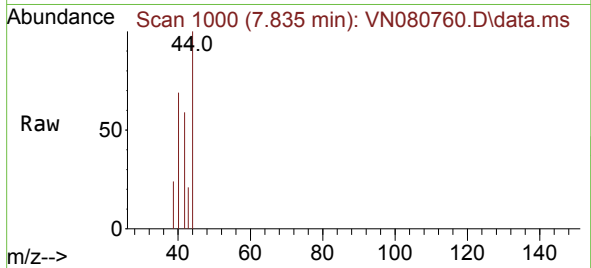




#29
Tetrahydrofuran
Concen: 0.490 ug/l
RT: 7.835 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

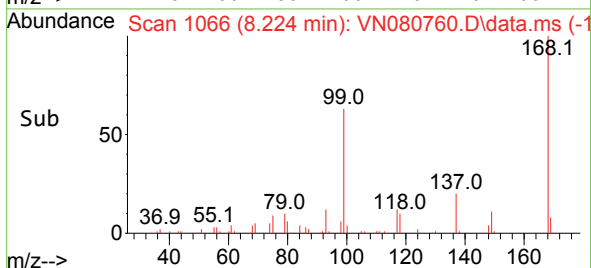
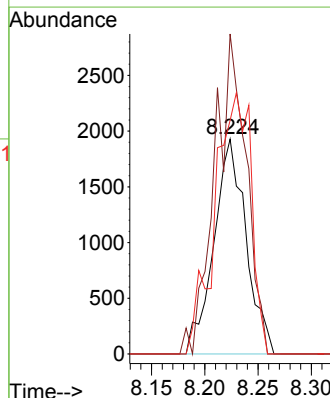
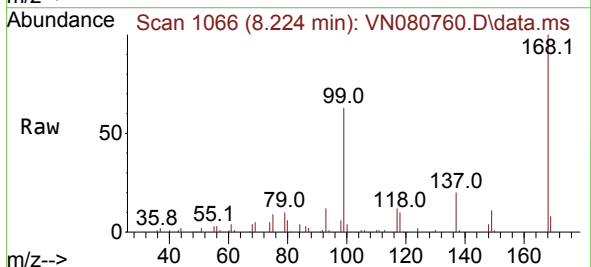
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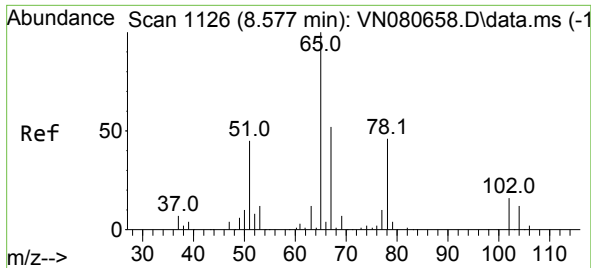
Tgt Ion: 42 Resp: 410
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Tgt Ion: 56 Resp: 4055
Ion Ratio Lower Upper
56 100
69 149.0 26.8 40.2#
84 108.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 44.755 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

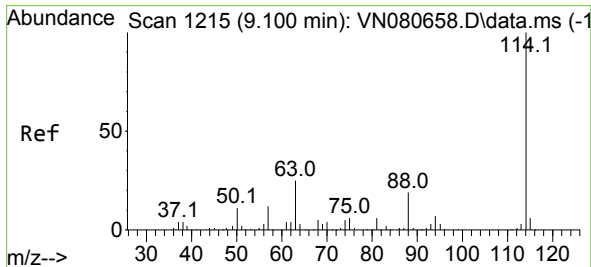
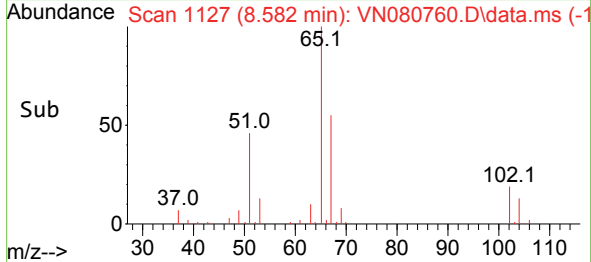
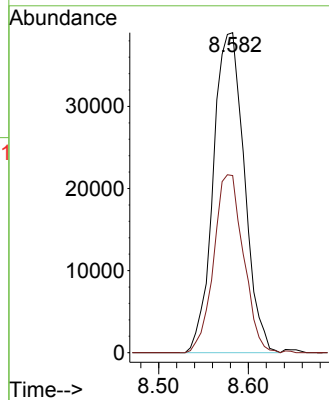
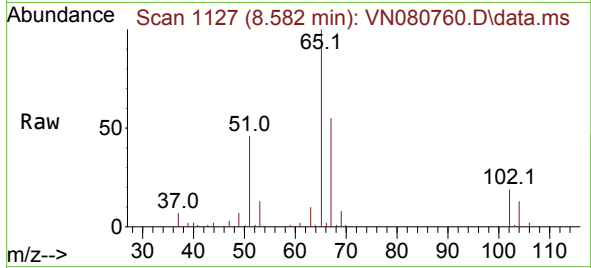
MR-305-25-27

Tgt Ion: 65 Resp: 93635

Ion Ratio Lower Upper

65 100

67 53.2 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: VN080760.D

Acq: 23 Jan 2024 14:12

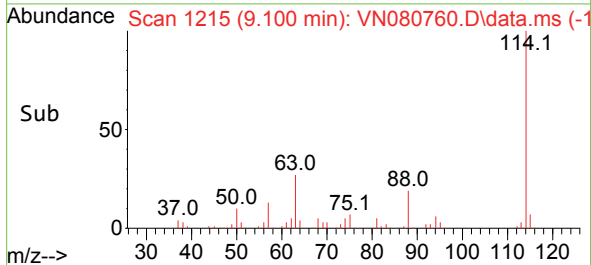
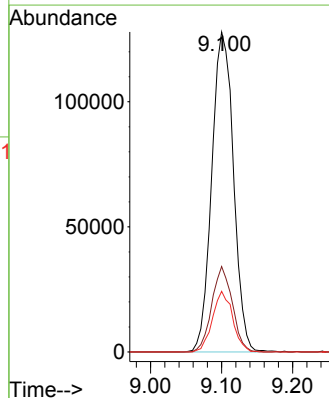
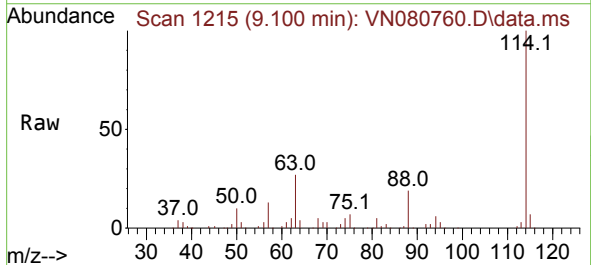
Tgt Ion: 114 Resp: 271239

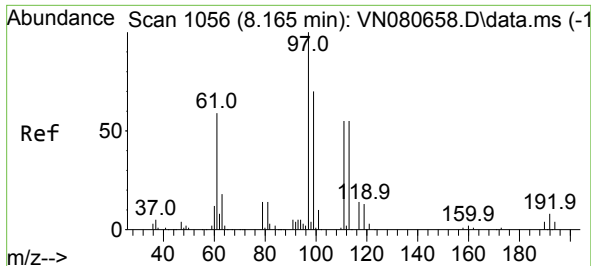
Ion Ratio Lower Upper

114 100

63 26.7 0.0 36.4

88 19.0 0.0 30.6

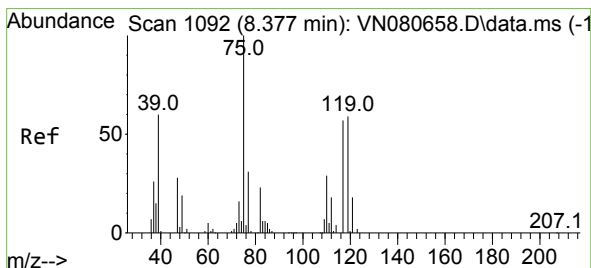
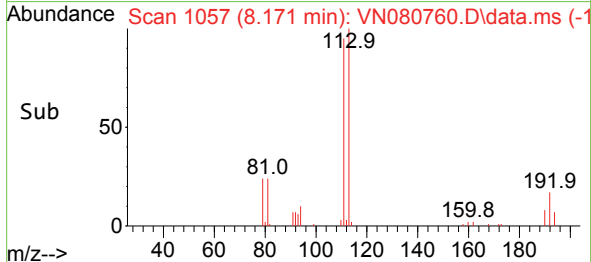
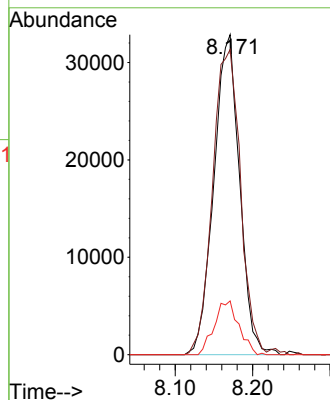
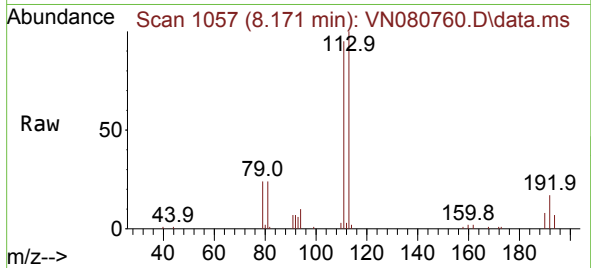




#35
Dibromofluoromethane
Concen: 49.233 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

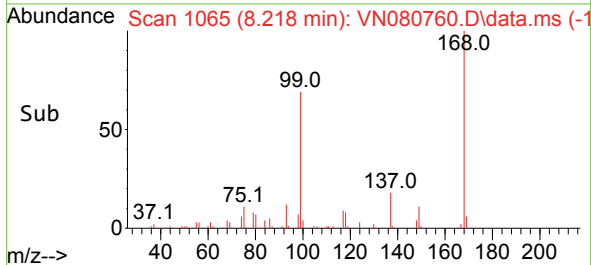
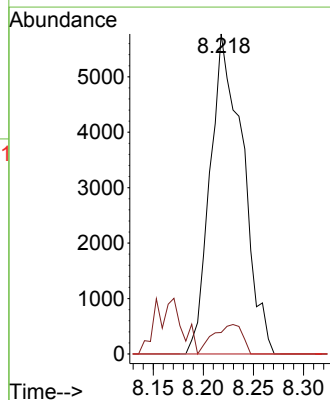
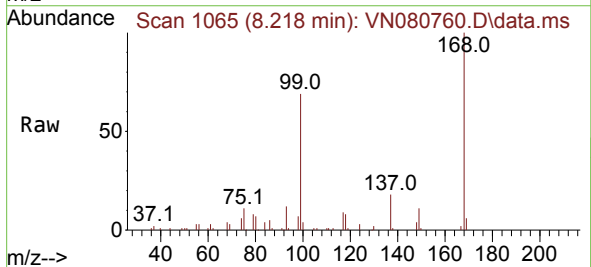
Instrument :
MSVOA_N
ClientSampleId :
MR-305-25-27

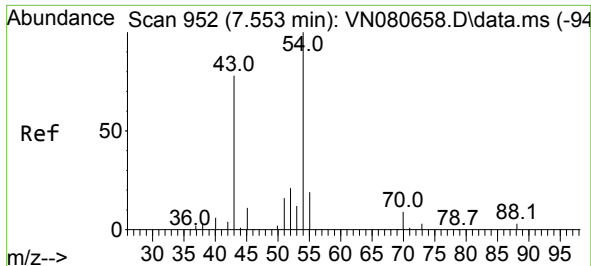
Tgt Ion:113 Resp: 75874
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 16.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.145 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.159 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Tgt Ion: 75 Resp: 13086
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.623 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

MR-305-25-27

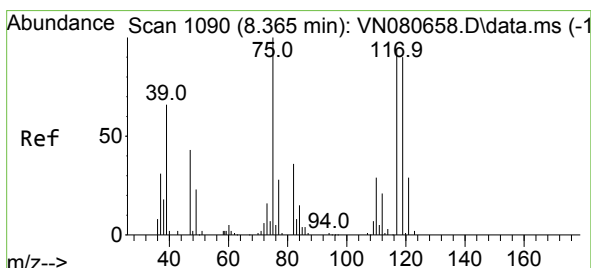
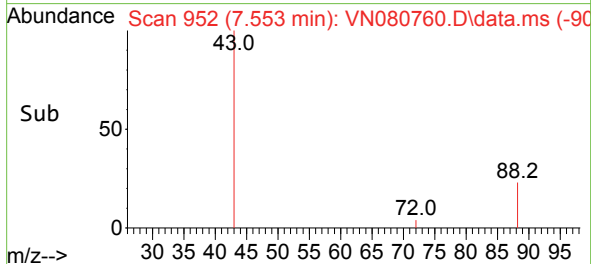
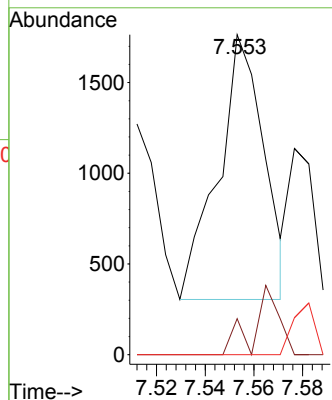
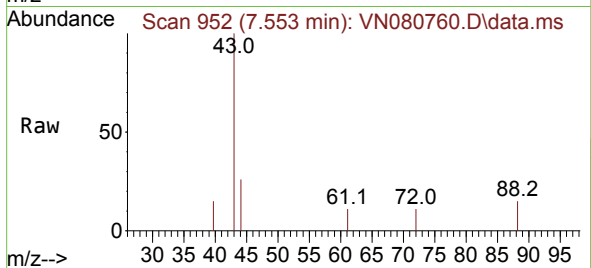
Tgt Ion: 43 Resp: 1908

Ion Ratio Lower Upper

43 100

61 14.4 13.2 19.8

70 0.0 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.886 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

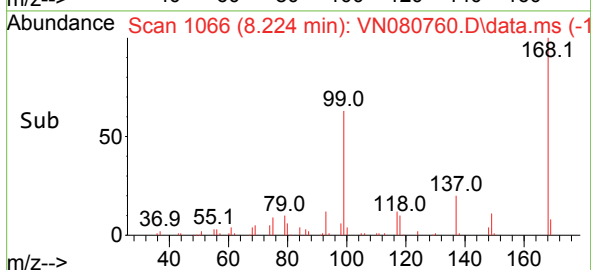
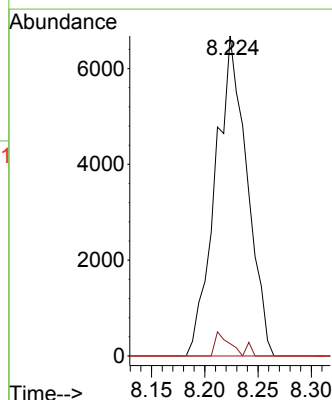
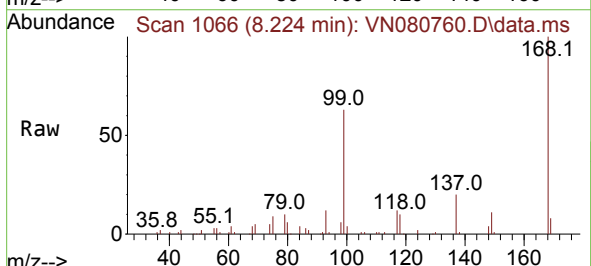
Tgt Ion: 117 Resp: 13850

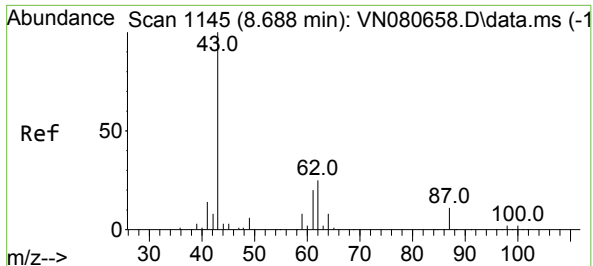
Ion Ratio Lower Upper

117 100

119 3.8 77.3 115.9#

121 0.0 23.3 34.9#

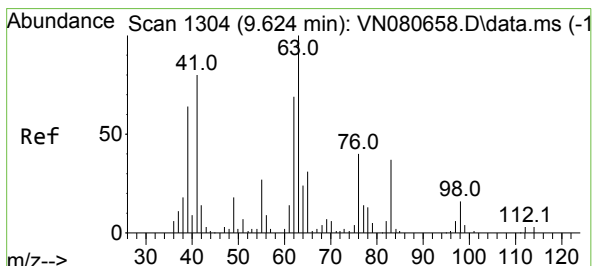
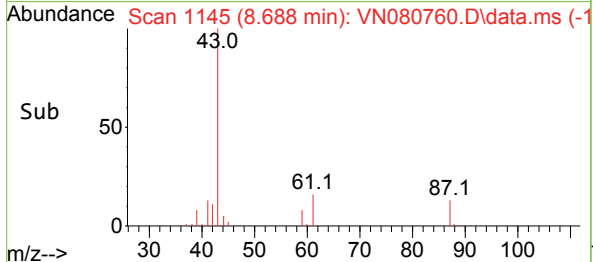
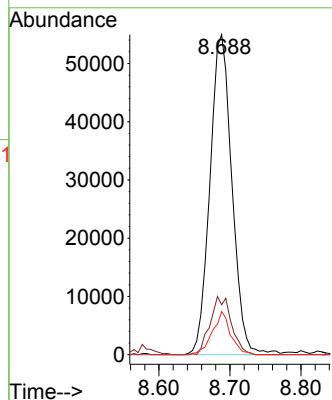
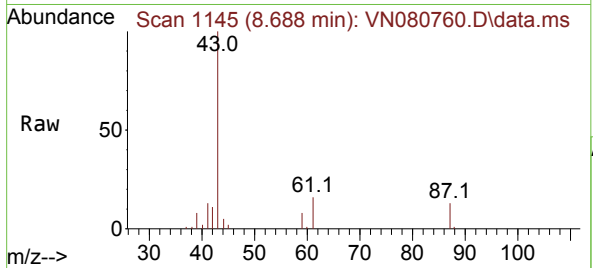




#43
Isopropyl Acetate
Concen: 21.039 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

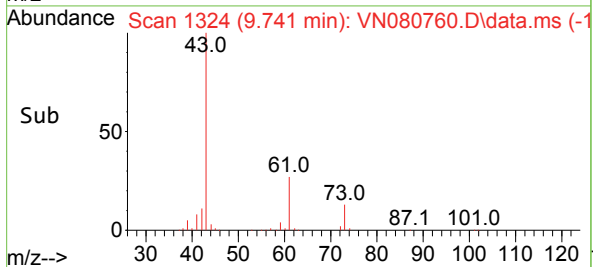
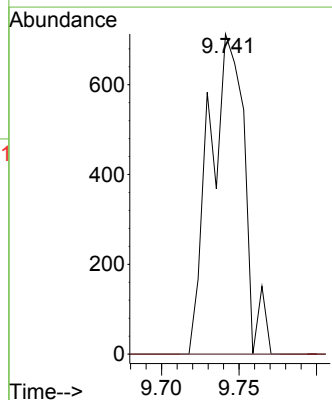
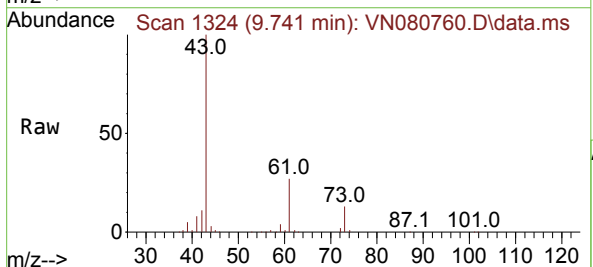
Instrument :
MSVOA_N
ClientSampleId :
MR-305-25-27

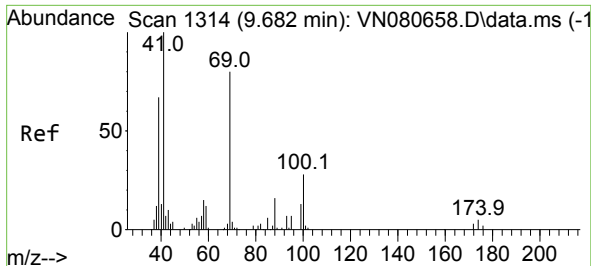
Tgt Ion: 43 Resp: 118384
Ion Ratio Lower Upper
43 100
61 17.6 24.7 37.1#
87 11.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.476 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Tgt Ion: 63 Resp: 1120
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

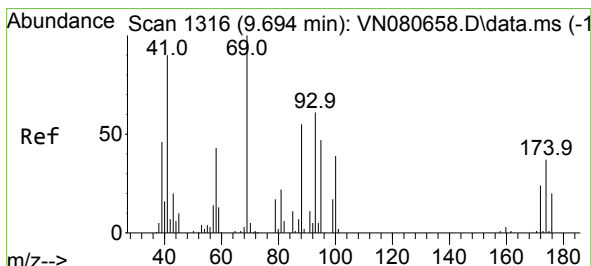
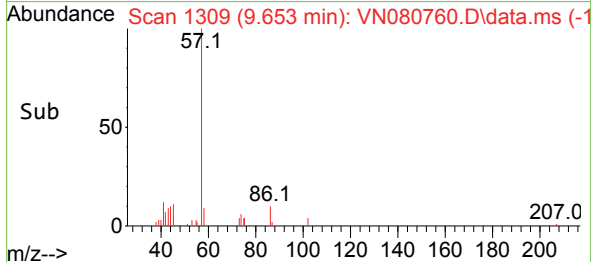
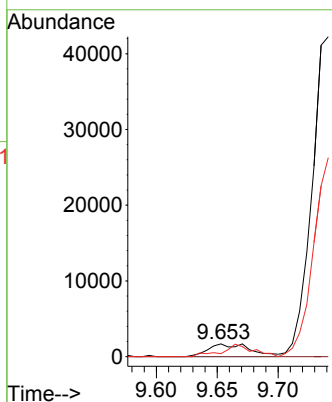
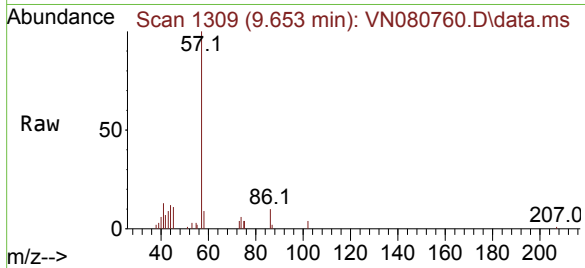




#48
Methyl methacrylate
Concen: 1.522 ug/l
RT: 9.653 min Scan# 1309
Delta R.T. -0.029 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

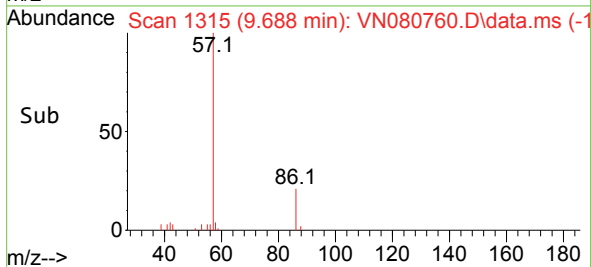
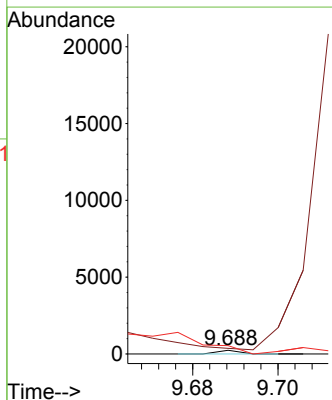
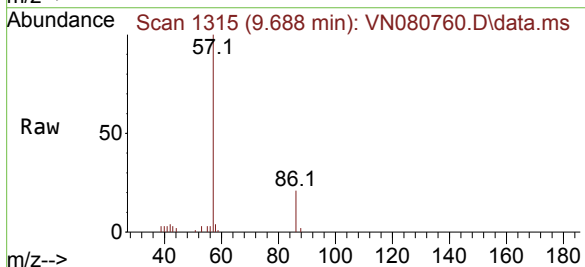
Instrument :
MSVOA_N
ClientSampleId :
MR-305-25-27

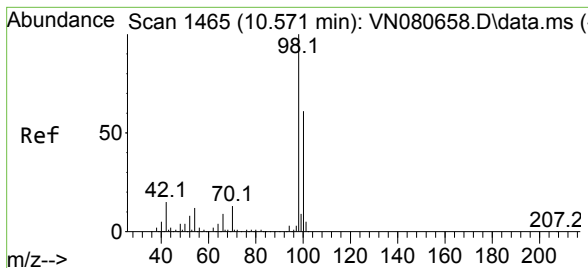
Tgt Ion: 41 Resp: 4055
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 71.4 54.6 81.8



#49
1,4-Dioxane
Concen: 2.561 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 3767.1 47.0 70.4#

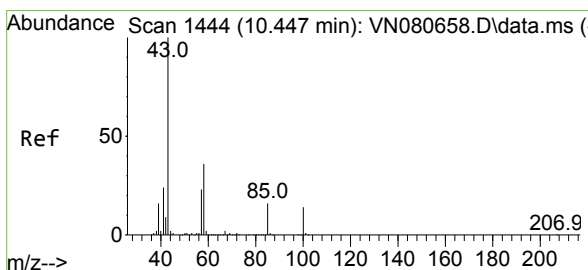
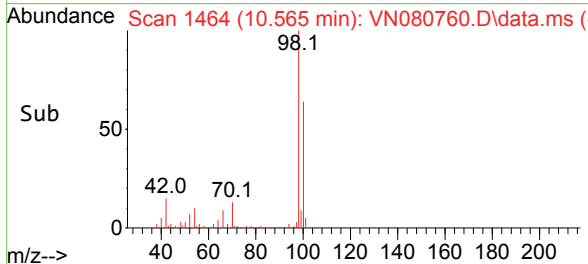
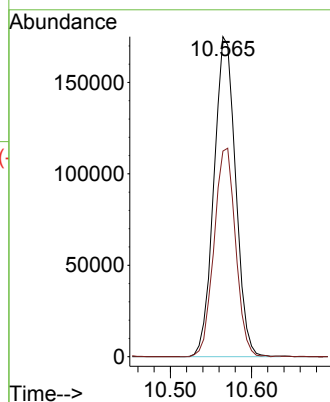
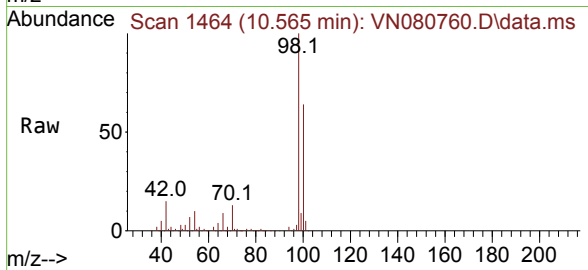




#50
Toluene-d8
Concen: 55.325 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

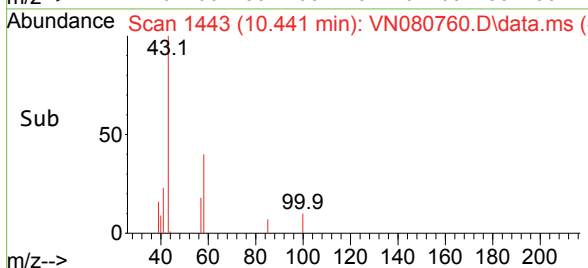
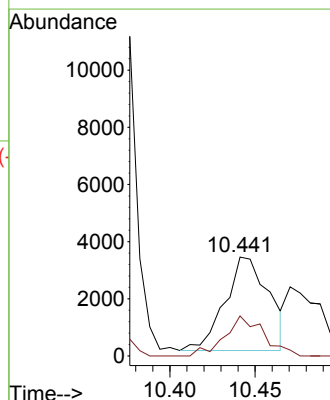
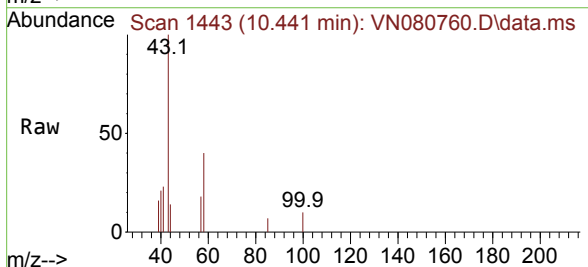
Instrument :
MSVOA_N
ClientSampleId :
MR-305-25-27

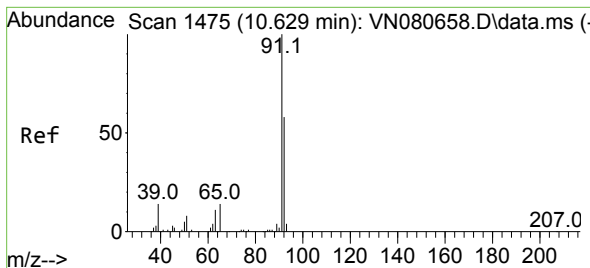
Tgt Ion: 98 Resp: 325110
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.926 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Tgt Ion: 43 Resp: 5847
Ion Ratio Lower Upper
43 100
58 37.9 36.6 54.8





#52

Toluene

Concen: 0.379 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

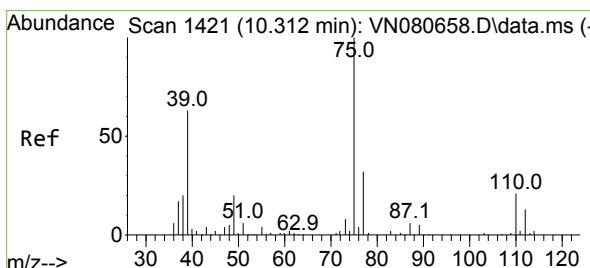
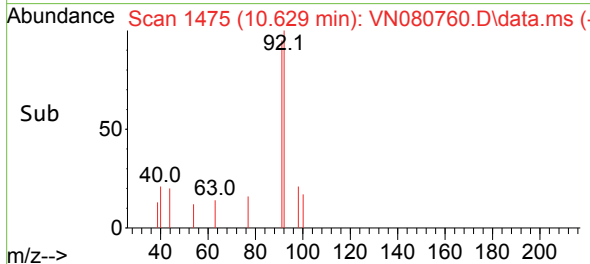
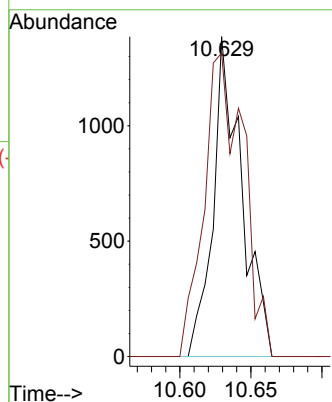
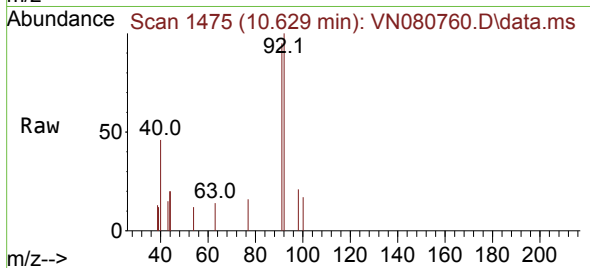
MR-305-25-27

Tgt Ion: 92 Resp: 1926

Ion Ratio Lower Upper

92 100

91 132.3 137.4 206.0#



#54

cis-1,3-Dichloropropene

Concen: 9.354 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

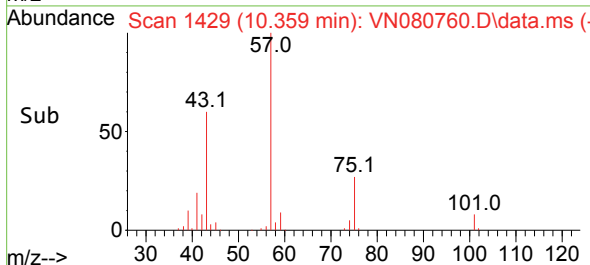
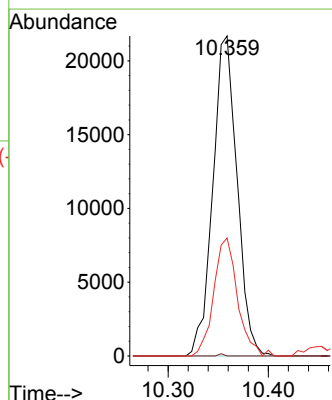
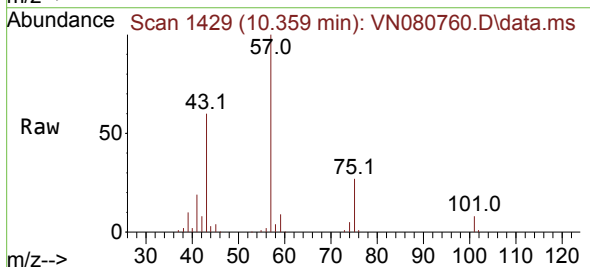
Tgt Ion: 75 Resp: 36378

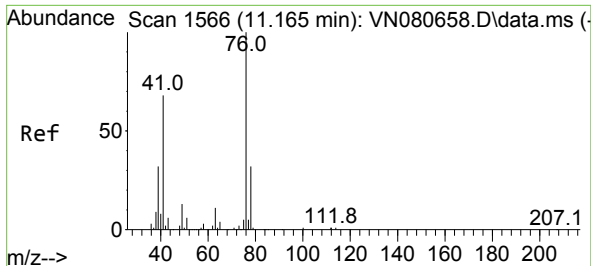
Ion Ratio Lower Upper

75 100

77 0.0 26.1 39.1#

39 36.8 31.6 47.4





#57

1,3-Dichloropropane

Concen: 1.160 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

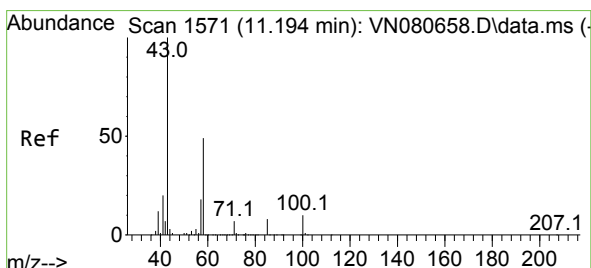
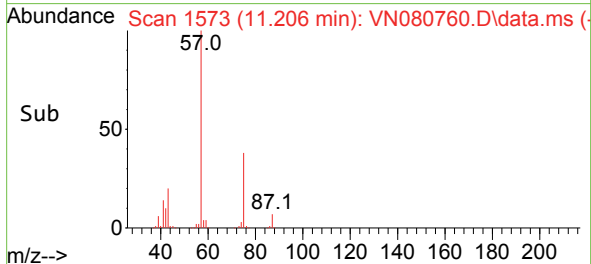
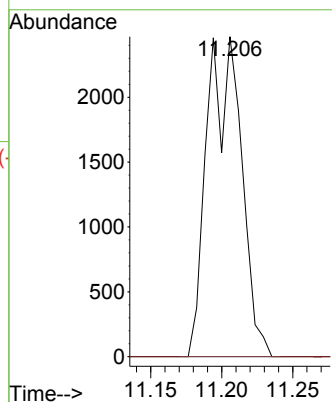
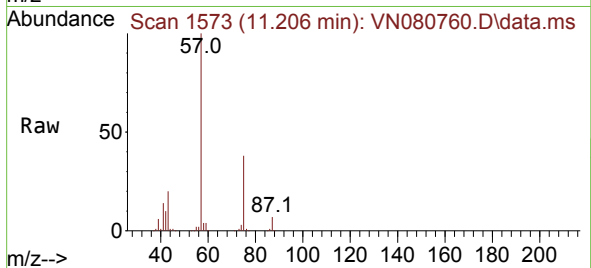
MR-305-25-27

Tgt Ion: 76 Resp: 4144

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.882 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080760.D

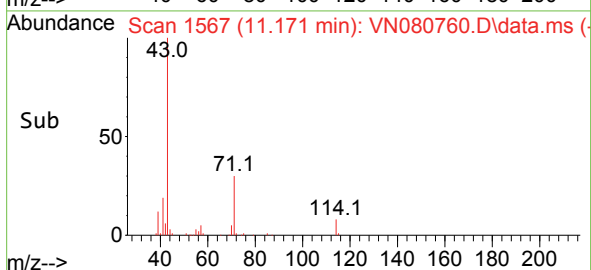
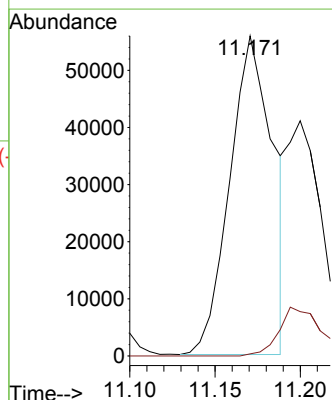
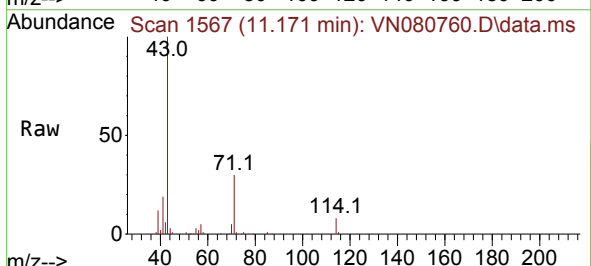
Acq: 23 Jan 2024 14:12

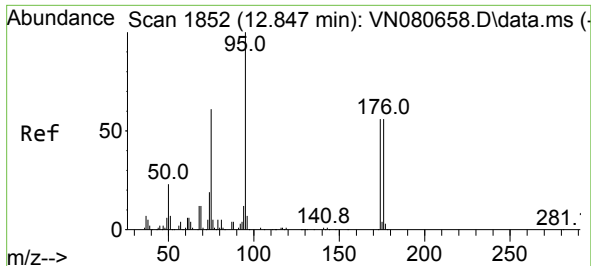
Tgt Ion: 43 Resp: 98338

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

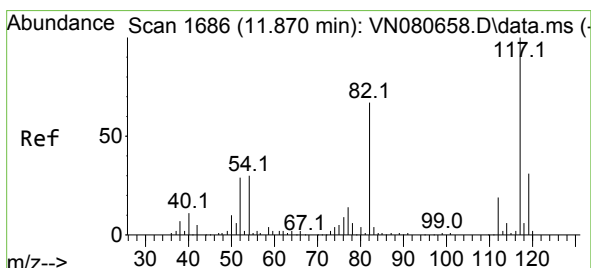
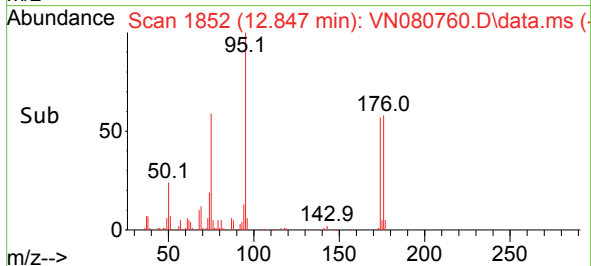
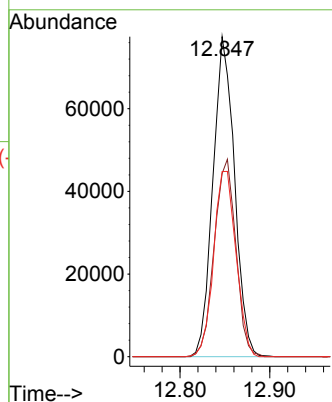
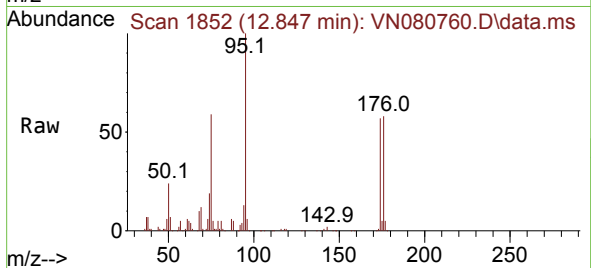




#62
4-Bromofluorobenzene
Concen: 57.357 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

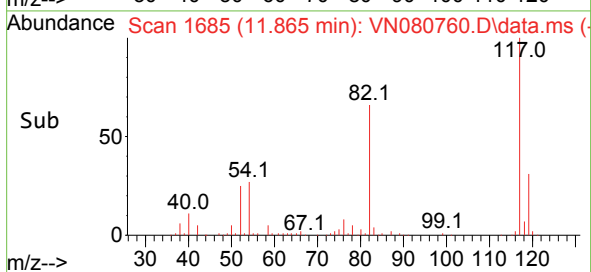
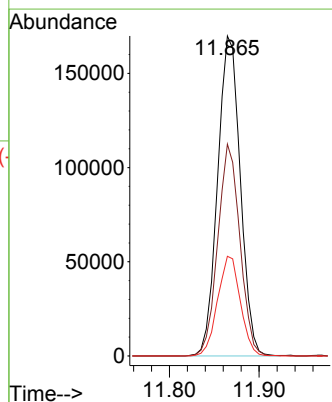
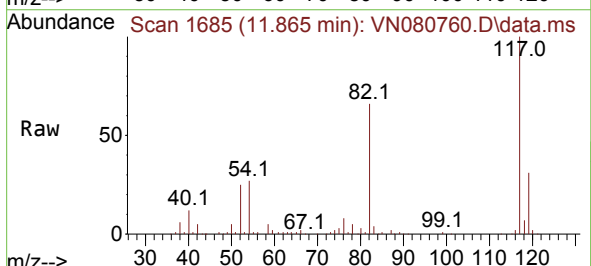
Instrument :
MSVOA_N
ClientSampleId :
MR-305-25-27

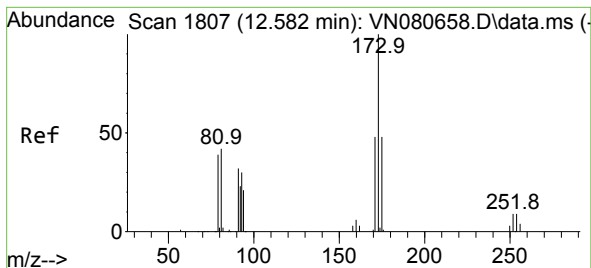
Tgt Ion: 95 Resp: 129251
Ion Ratio Lower Upper
95 100
174 61.7 0.0 143.8
176 60.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Tgt Ion: 117 Resp: 298458
Ion Ratio Lower Upper
117 100
82 66.2 44.0 66.0#
119 31.2 25.6 38.4





#71

Bromoform

Concen: 0.482 ug/l

RT: 12.835 min Scan# 11

Delta R.T. 0.253 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

MR-305-25-27

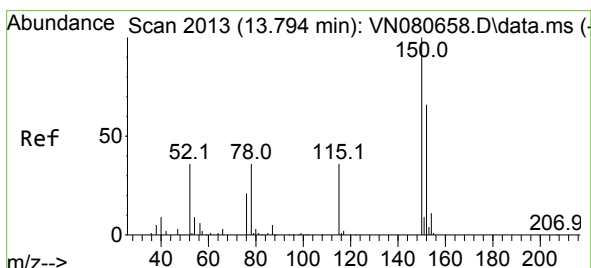
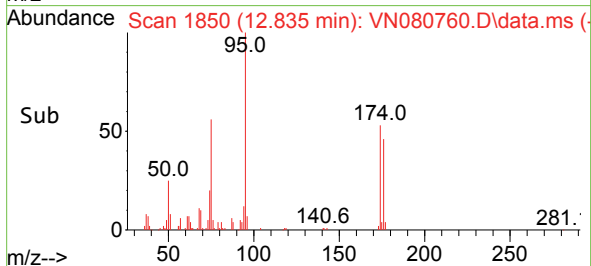
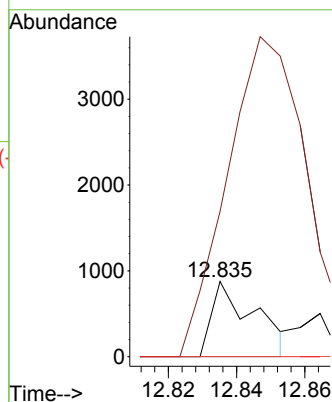
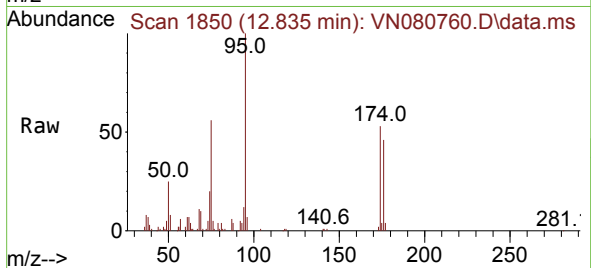
Tgt Ion:173 Resp: 768

Ion Ratio Lower Upper

173 100

175 700.5 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: VN080760.D

Acq: 23 Jan 2024 14:12

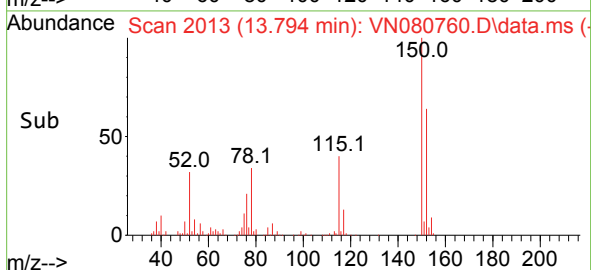
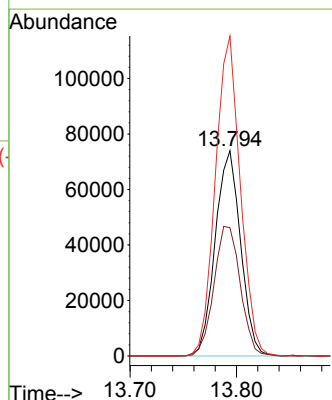
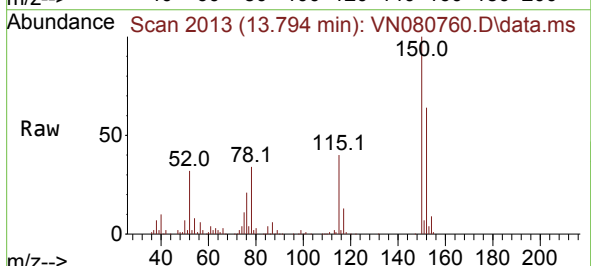
Tgt Ion:152 Resp: 122287

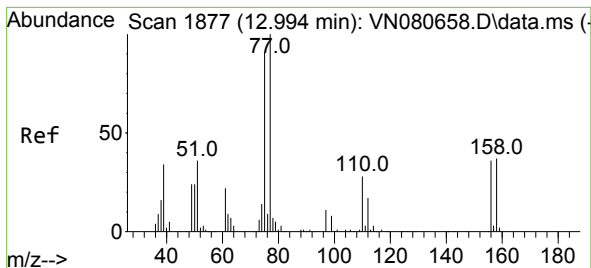
Ion Ratio Lower Upper

152 100

115 65.8 32.3 96.8

150 153.3 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 20.117 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

Instrument :

MSVOA_N

ClientSampleId :

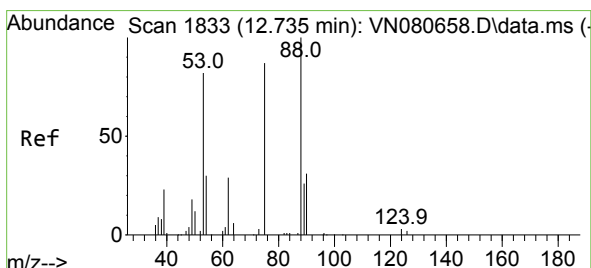
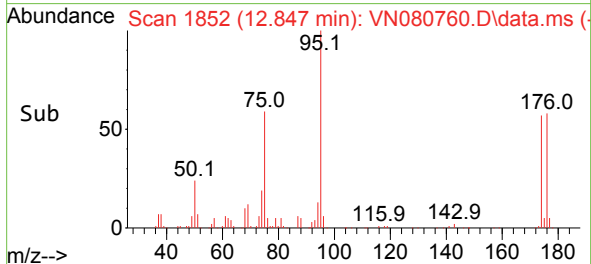
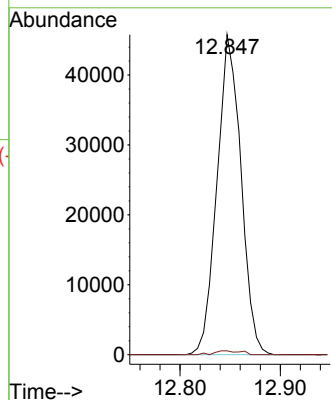
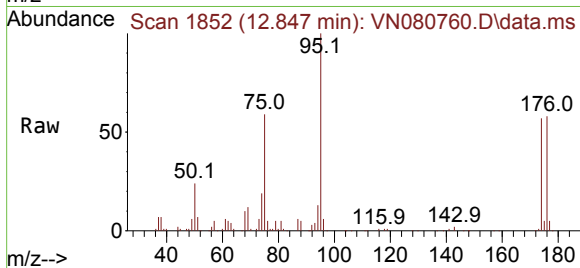
MR-305-25-27

Tgt Ion: 75 Resp: 75858

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 47.424 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080760.D

Acq: 23 Jan 2024 14:12

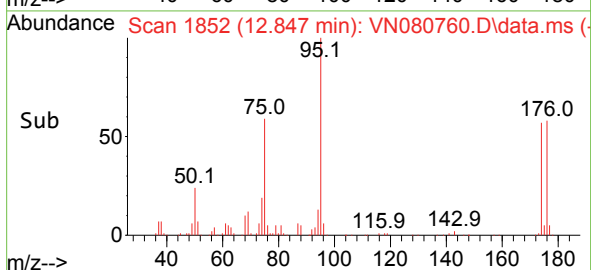
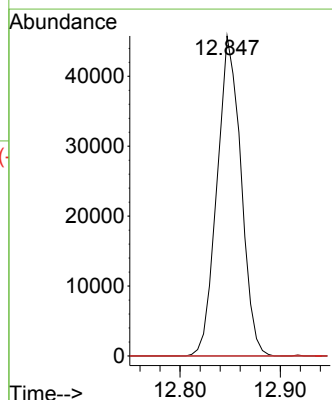
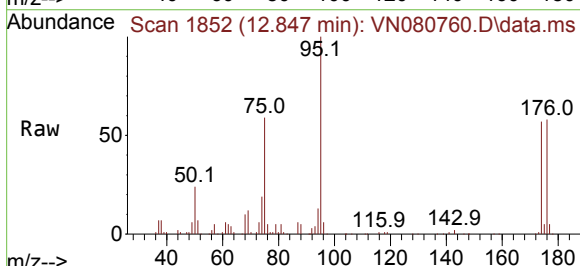
Tgt Ion: 75 Resp: 75858

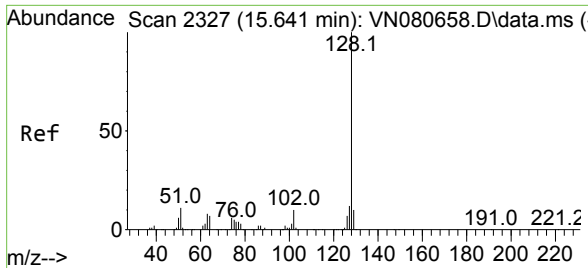
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.391 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080760.D
Acq: 23 Jan 2024 14:12

Instrument :
MSVOA_N
ClientSampleId :
MR-305-25-27

Tgt Ion:128 Resp: 3330
Ion Ratio Lower Upper
128 100
127 9.4 10.0 15.0#
129 11.7 8.7 13.1

