

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012324\
 Data File : VN080757.D
 Acq On : 23 Jan 2024 12:51
 Operator : JC\MD
 Sample : P1179-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-4

Quant Time: Jan 24 01:58:02 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	116052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	94125	46.185	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.380%
35) Dibromofluoromethane	8.165	113	71795	45.954	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.900%
50) Toluene-d8	10.571	98	306313	51.419	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.840%
62) 4-Bromofluorobenzene	12.853	95	127197	55.680	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2414	0.486	ug/l #	42
6) Chloroethane	3.112	64	110	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	1018	2.954	ug/l #	72
13) Acrolein	4.159	56	59	0.205	ug/l #	1
16) Acetone	4.424	43	20972	31.344	ug/l #	81
17) Carbon Disulfide	4.718	76	1644	0.310	ug/l #	75
18) Methyl Acetate	5.018	43	1297	0.651	ug/l #	61
20) Methylene Chloride	5.283	84	6668	3.414	ug/l #	91
25) 2-Butanone	7.488	43	10533	8.709	ug/l #	86
29) Tetrahydrofuran	7.853	42	1167	1.432	ug/l #	48
31) Cyclohexane	8.230	56	6775	2.152	ug/l #	41
36) 1,1-Dichloropropene	8.230	75	12269	3.834	ug/l #	46
37) Ethyl Acetate	7.559	43	4265	1.374	ug/l #	90
38) Carbon Tetrachloride	8.230	117	13207	4.596	ug/l #	17
39) Methylcyclohexane	9.600	83	1930	0.630	ug/l #	65
40) Benzene	8.606	78	1115702	124.013	ug/l	100
42) 1,2-Dichloroethane	8.600	62	10189	2.958	ug/l	75
43) Isopropyl Acetate	8.688	43	136503	23.930	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1453	0.609	ug/l #	45
48) Methyl methacrylate	9.653	41	3619	1.340	ug/l #	3
51) 4-Methyl-2-Pentanone	10.447	43	8160	2.652	ug/l	90
52) Toluene	10.629	92	723594	140.379	ug/l	100
54) cis-1,3-Dichloropropene	10.359	75	41750	10.590	ug/l #	64
55) 1,1,2-Trichloroethane	10.888	97	5434	2.739	ug/l #	16
57) 1,3-Dichloropropane	11.200	76	4807	1.327	ug/l #	42
59) 2-Hexanone	11.171	43	114850	50.555	ug/l #	19
67) Ethyl Benzene	11.965	91	106695	8.839	ug/l	97
68) m/p-Xylenes	12.065	106	192590	45.384	ug/l	90
69) o-Xylene	12.400	106	146735	35.365	ug/l	86
70) Styrene	12.406	104	26803	3.804	ug/l #	12
73) Isopropylbenzene	12.694	105	5848	0.522	ug/l	93
74) N-amyl acetate	12.453	43	4692	0.697	ug/l #	36
76) 1,2,3-Trichloropropane	12.847	75	69586	19.143	ug/l #	1
78) n-propylbenzene	13.041	91	14015	1.019	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	38549	4.126	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.847	75	69586	45.129	ug/l #	15

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

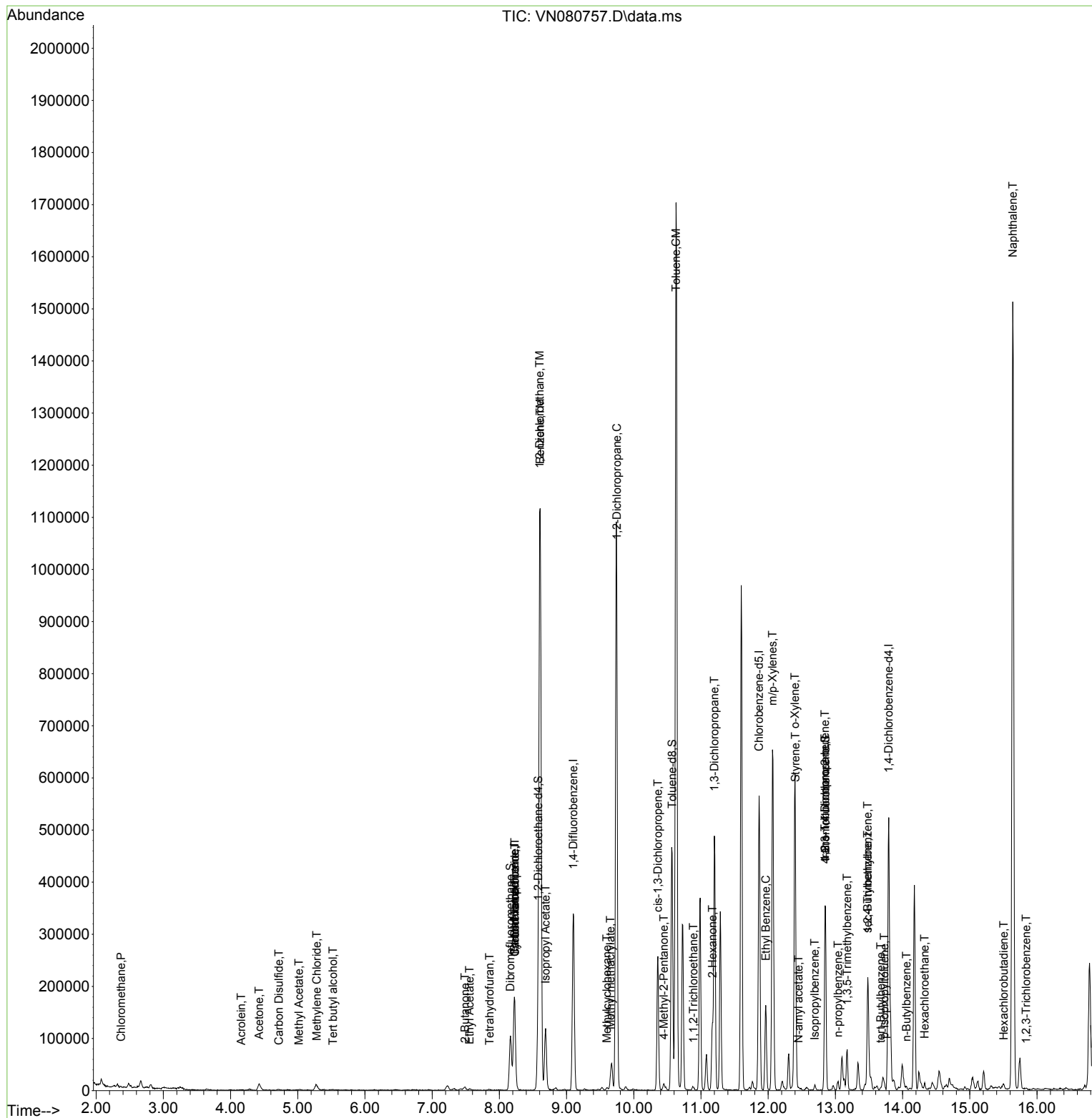
83) tert-Butylbenzene	13.676	119	2499	0.335	ug/l	78
84) 1,2,4-Trimethylbenzene	13.482	105	122836	13.372	ug/l	90
85) sec-Butylbenzene	13.482	105	122836	11.576	ug/l #	57
86) p-Isopropyltoluene	13.729	119	3334	0.398	ug/l #	80
89) n-Butylbenzene	14.059	91	3560	0.441	ug/l #	76
90) Hexachloroethane	14.329	117	1277	0.822	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.688	75	125	Below Cal	#	4
94) Hexachlorobutadiene	15.506	225	722	0.721	ug/l	78
95) Naphthalene	15.641	128	1304890	158.870	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	811	0.401	ug/l #	77

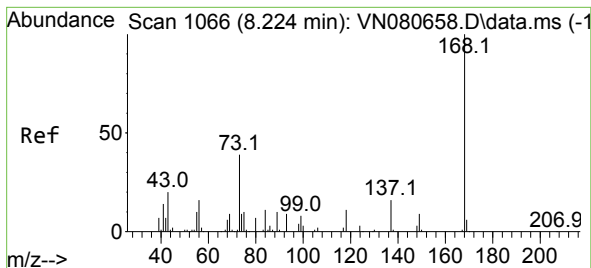
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN080757.D

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MSVOA_N

ClientSampleId :

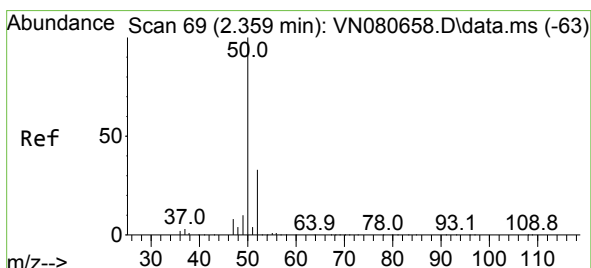
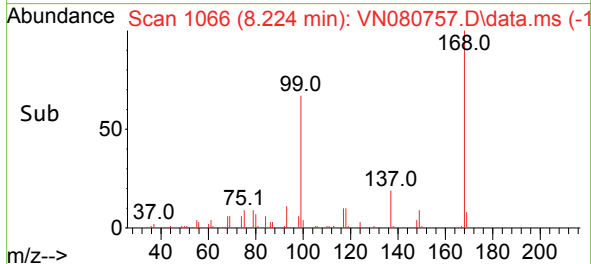
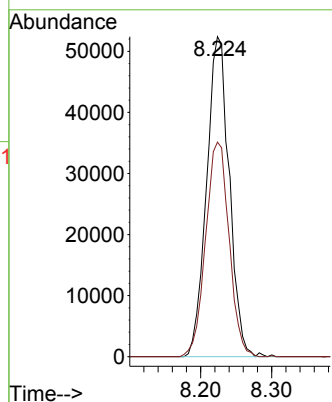
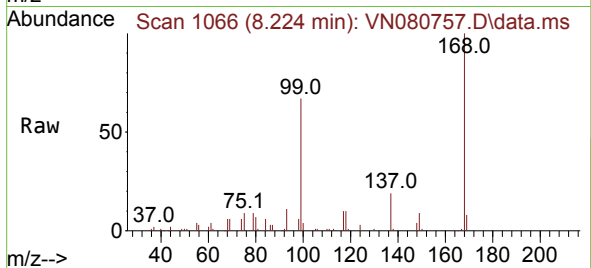
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Tgt Ion:168 Resp: 116052

Ion Ratio Lower Upper

168 100

99 67.1 53.0 79.6



#3

Chloromethane

Concen: 0.486 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080757.D

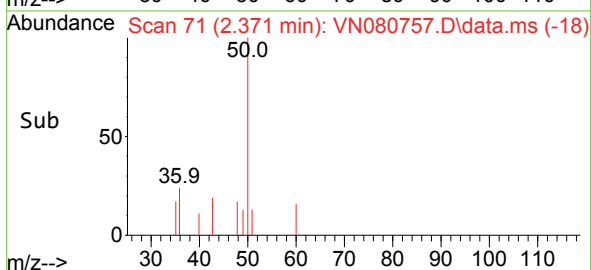
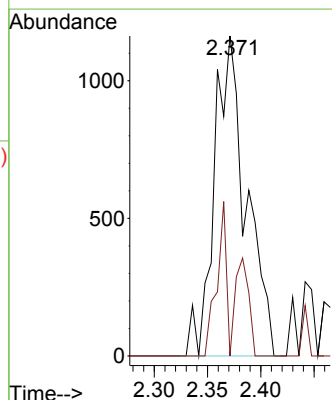
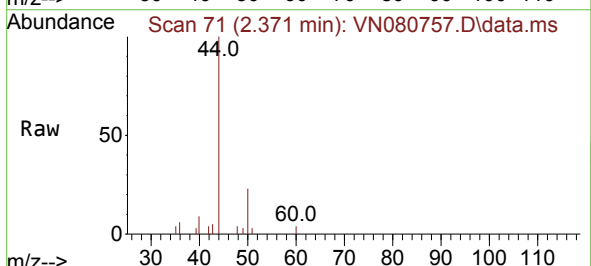
Acq: 23 Jan 2024 12:51

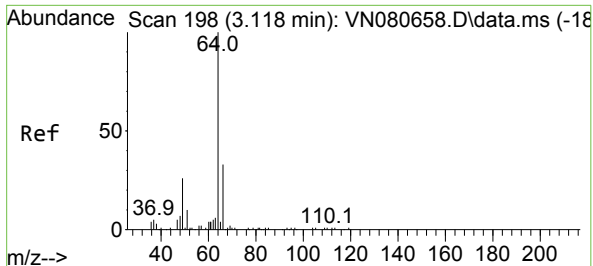
Tgt Ion: 50 Resp: 2414

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

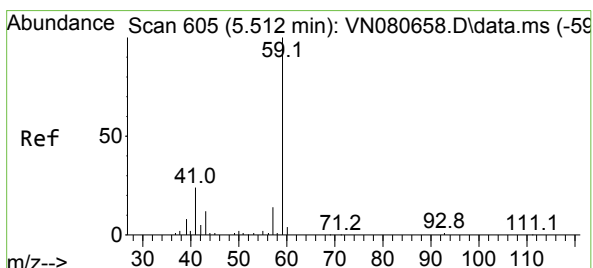
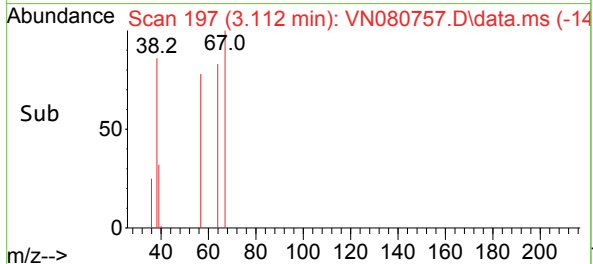
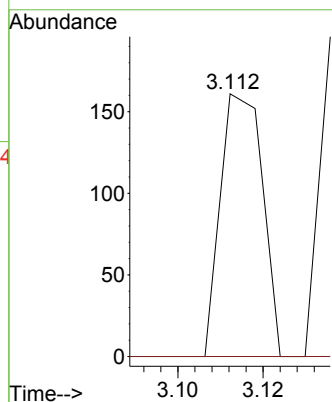
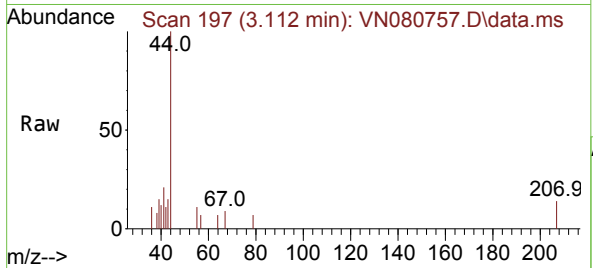




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

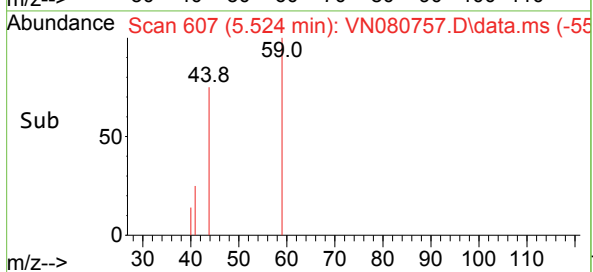
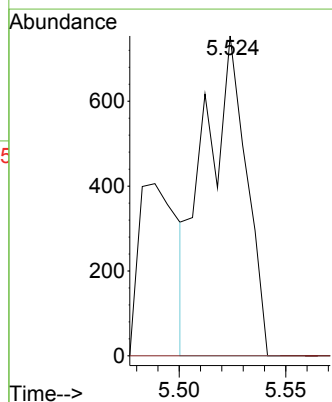
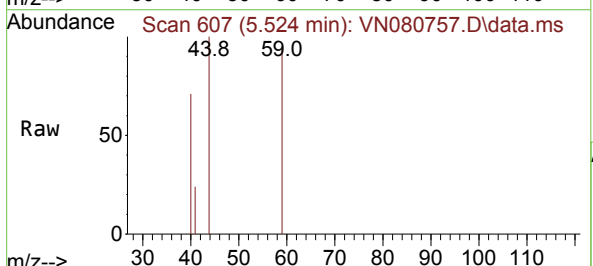
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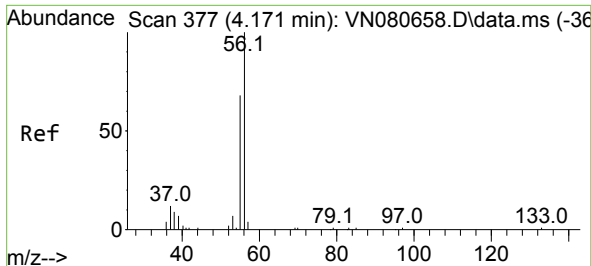
Tgt Ion: 64 Resp: 110
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.954 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 59 Resp: 1018
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

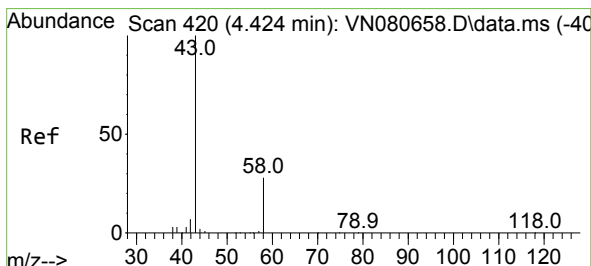
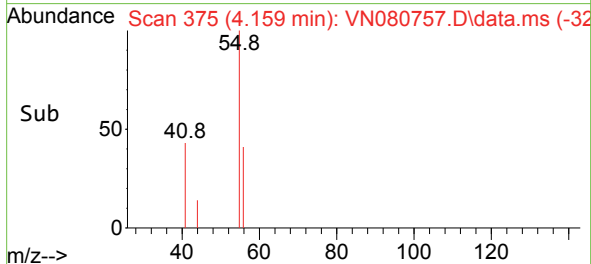
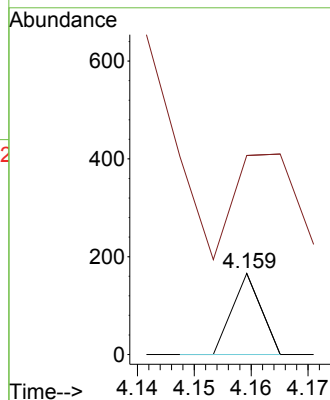
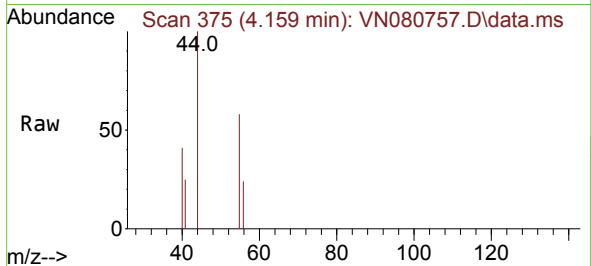




#13
Acrolein
Concen: 0.205 ug/l
RT: 4.159 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

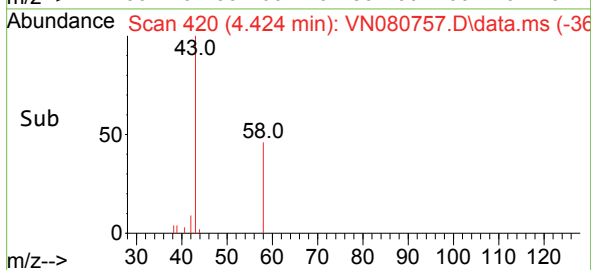
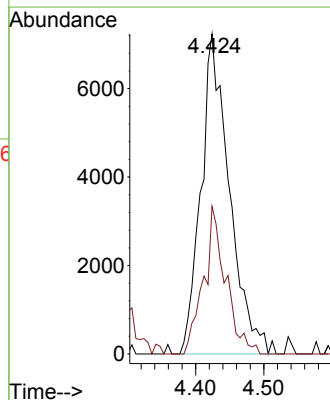
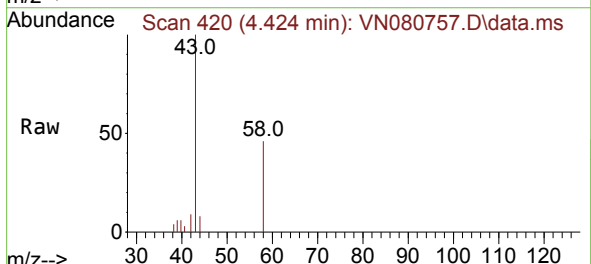
Instrument :
MSVOA_N
ClientSampleId :
S-4

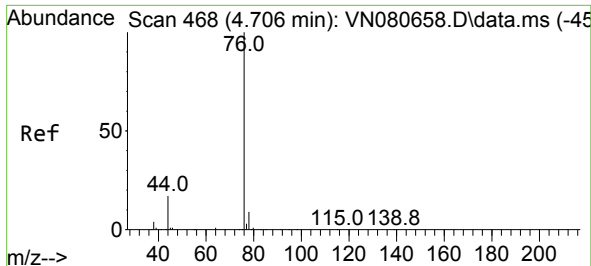
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 1062.7 54.5 81.7#



#16
Acetone
Concen: 31.344 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 43 Resp: 20972
Ion Ratio Lower Upper
43 100
58 46.1 28.0 42.0#

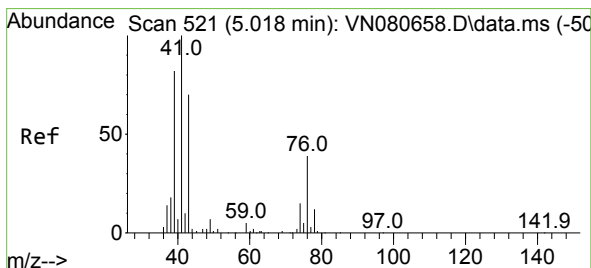
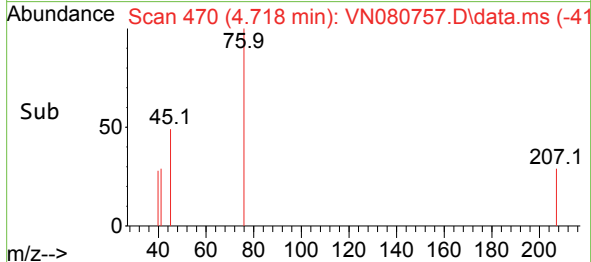
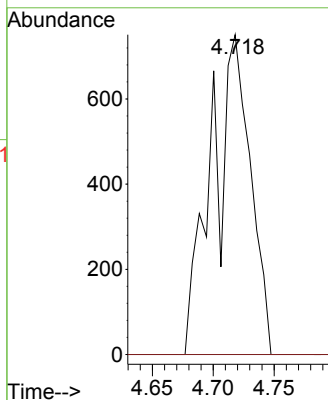
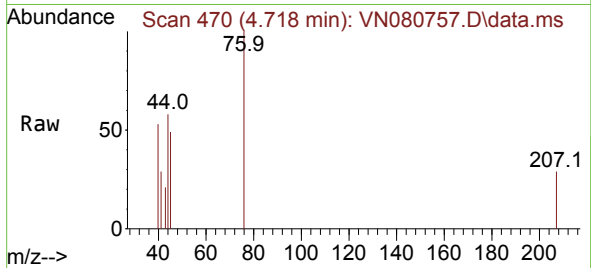




#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

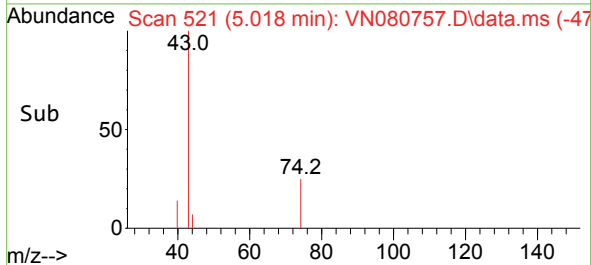
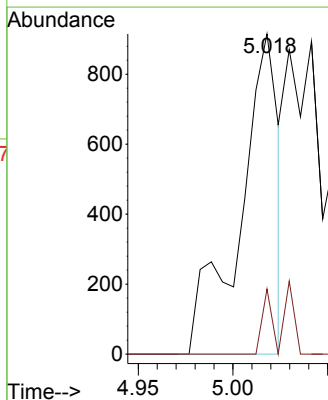
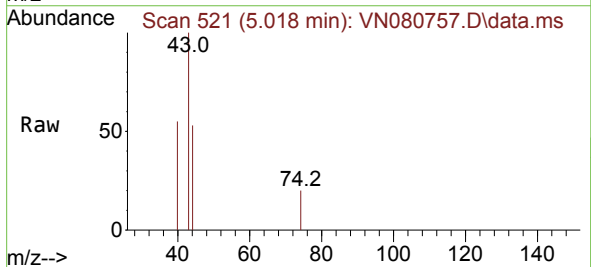
Instrument :
MSVOA_N
ClientSampleId :
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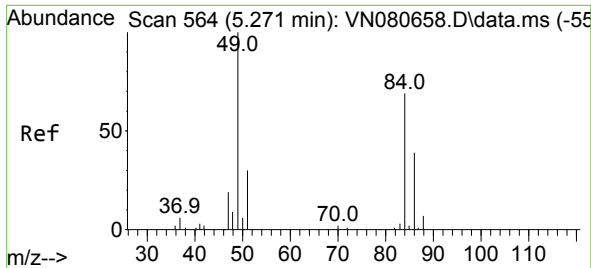
Tgt Ion: 76 Resp: 1644
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.651 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 43 Resp: 1297
Ion Ratio Lower Upper
43 100
74 10.7 26.2 39.4#

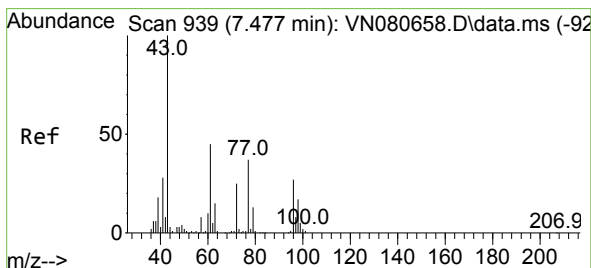
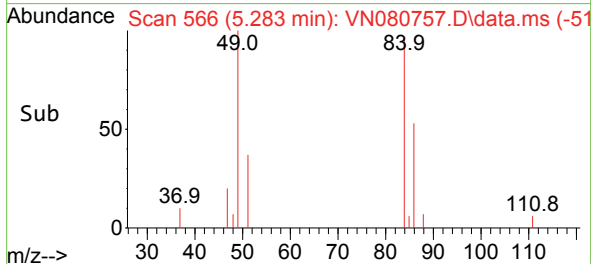
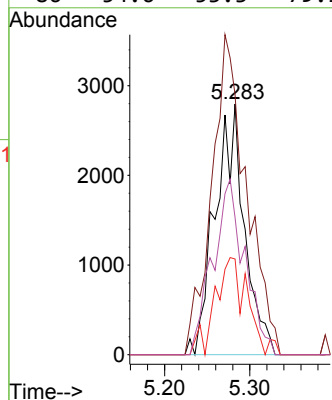
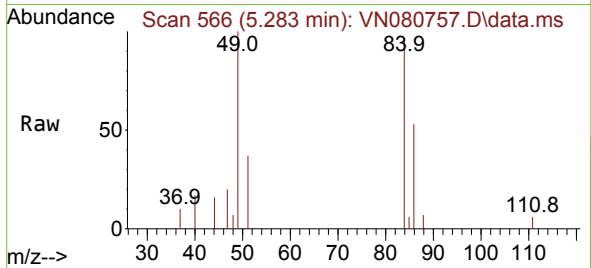




#20
Methylene Chloride
Concen: 3.414 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

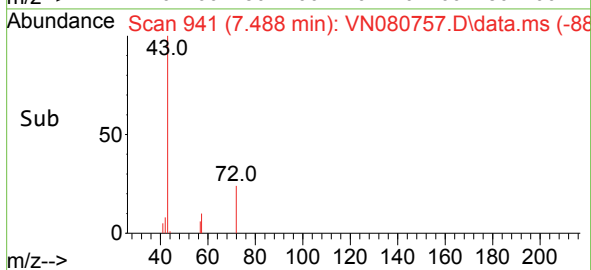
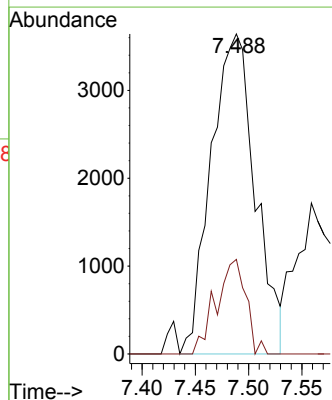
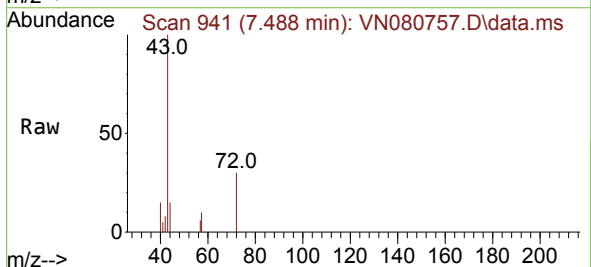
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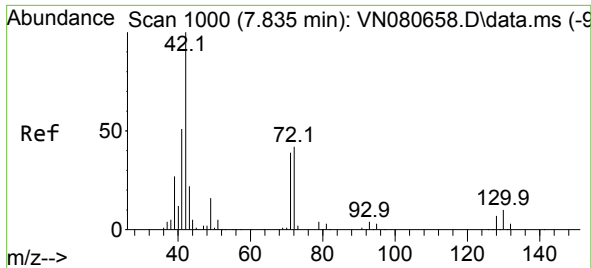
Tgt Ion:	84	Resp:	6668
Ion	Ratio	Lower	Upper
84	100		
49	103.6	79.7	119.5
51	38.2	25.2	37.8#
86	54.6	53.3	79.9



#25
2-Butanone
Concen: 8.709 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
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Tgt Ion:	43	Resp:	10533
Ion	Ratio	Lower	Upper
43	100		
72	29.5	30.2	45.2#

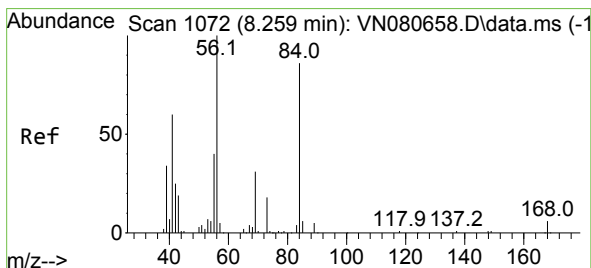
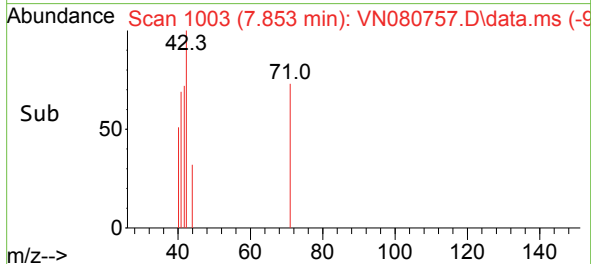
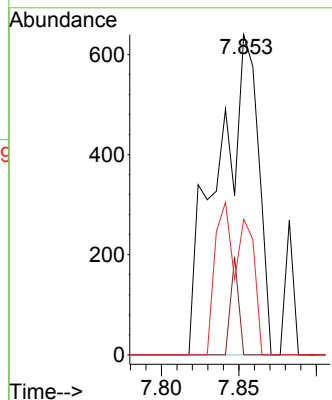
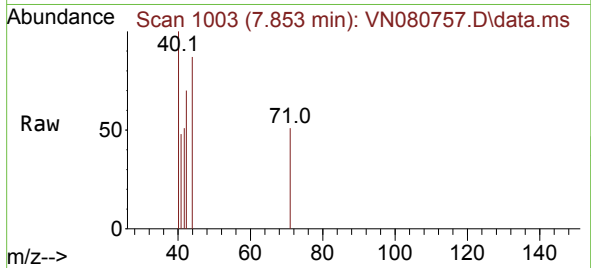




#29
Tetrahydrofuran
Concen: 1.432 ug/l
RT: 7.853 min Scan# 1067
Delta R.T. 0.018 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

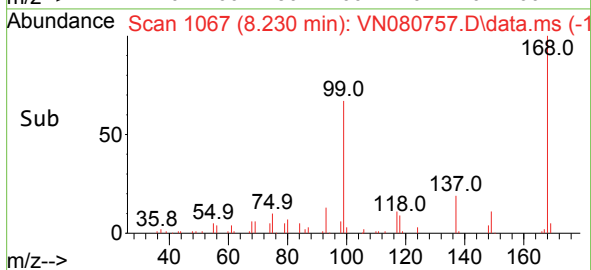
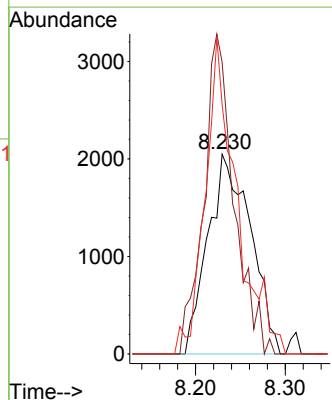
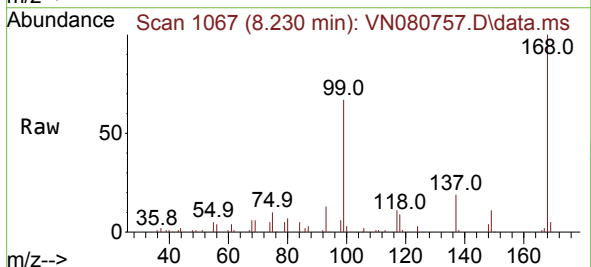
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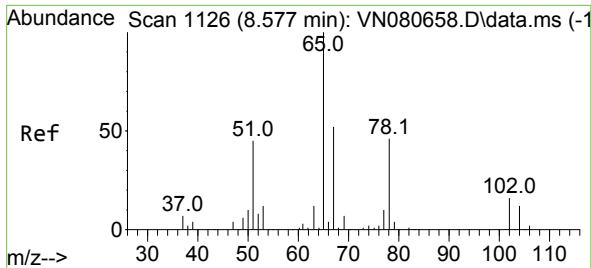
Tgt Ion: 42 Resp: 1167
Ion Ratio Lower Upper
42 100
72 5.9 49.8 74.6#
71 36.4 47.4 71.2#



#31
Cyclohexane
Concen: 2.152 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 56 Resp: 6775
Ion Ratio Lower Upper
56 100
69 146.1 26.8 40.2#
84 115.3 81.8 122.6

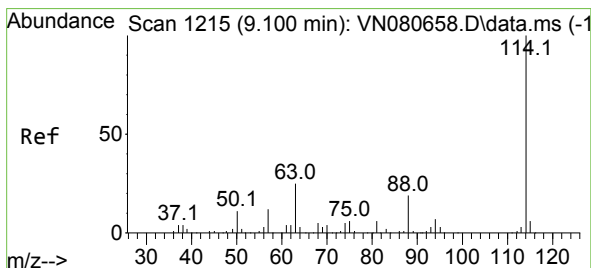
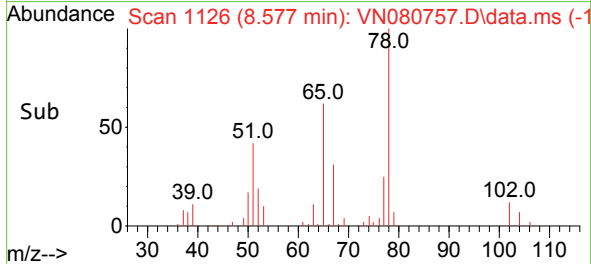
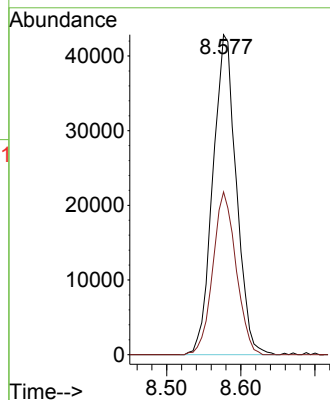
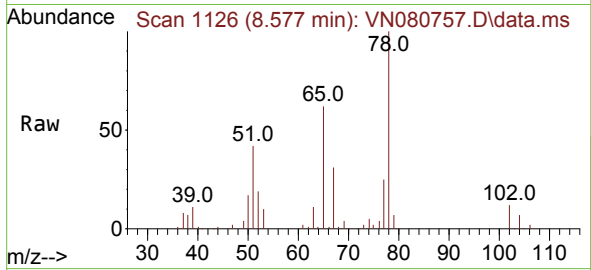




#33
1,2-Dichloroethane-d4
Concen: 46.185 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

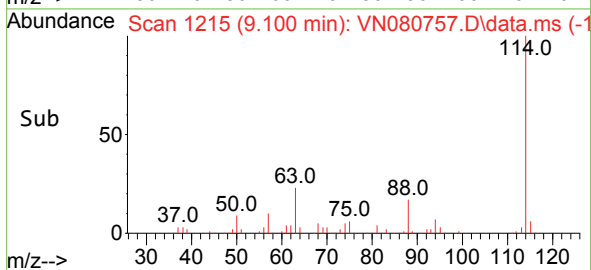
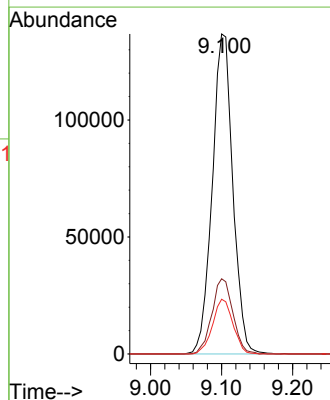
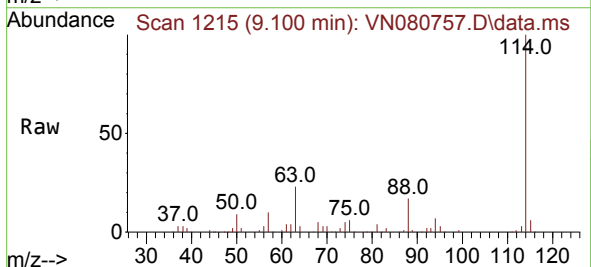
Instrument :
MSVOA_N
ClientSampleId :
S-4

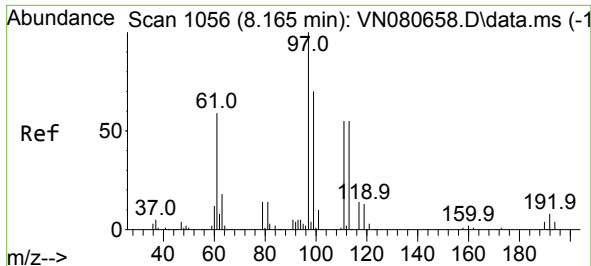
Tgt Ion: 65 Resp: 94125
Ion Ratio Lower Upper
65 100
67 50.3 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 114 Resp: 274969
Ion Ratio Lower Upper
114 100
63 23.5 0.0 36.4
88 17.1 0.0 30.6

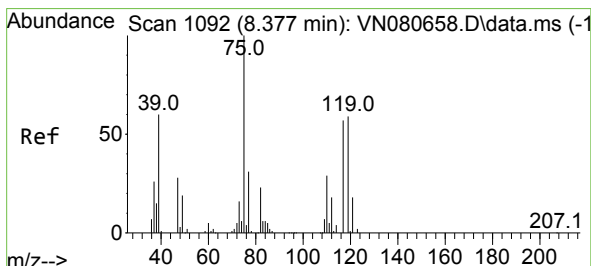
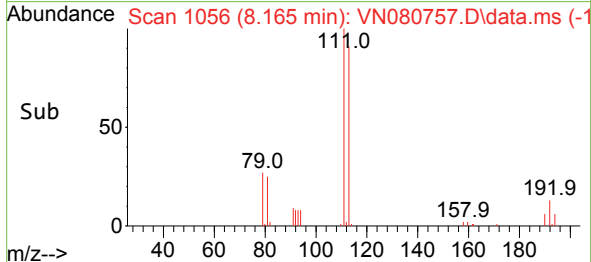
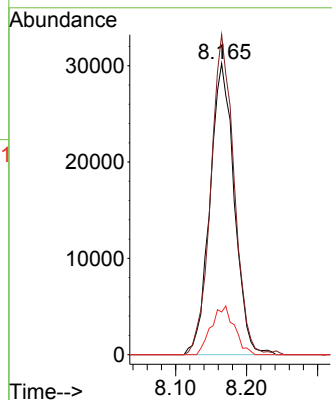
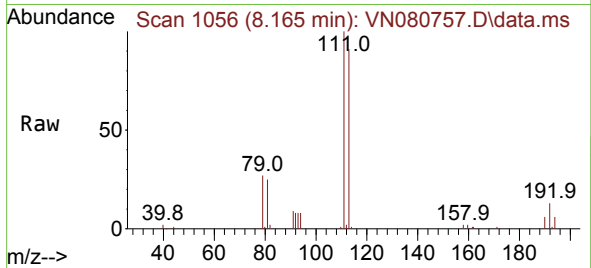




#35
Dibromofluoromethane
Concen: 45.954 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

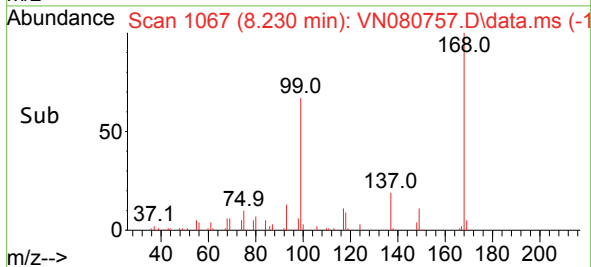
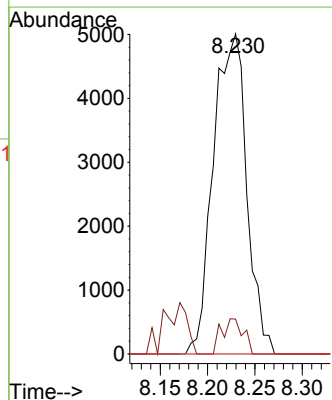
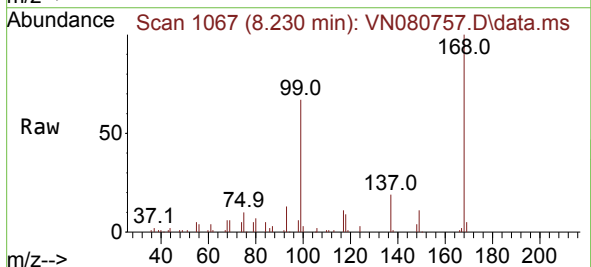
Instrument :
MSVOA_N
ClientSampleId :
S-4

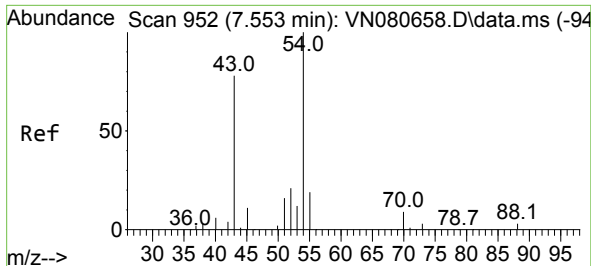
Tgt Ion:113 Resp: 71795
Ion Ratio Lower Upper
113 100
111 105.6 82.6 123.8
192 15.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 3.834 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 75 Resp: 12269
Ion Ratio Lower Upper
75 100
110 7.1 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.374 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

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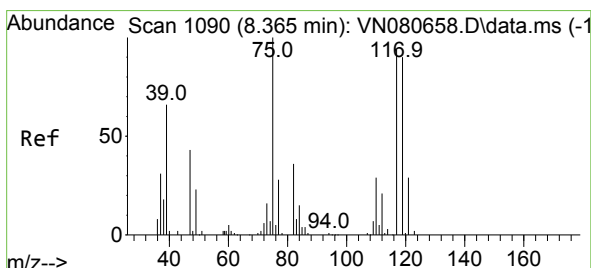
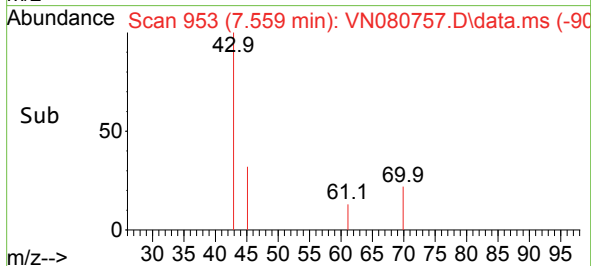
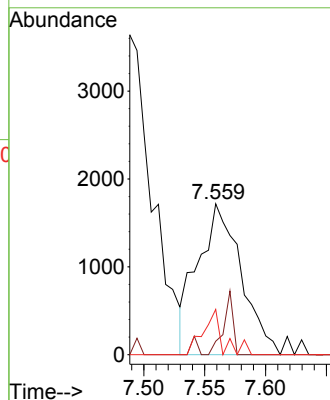
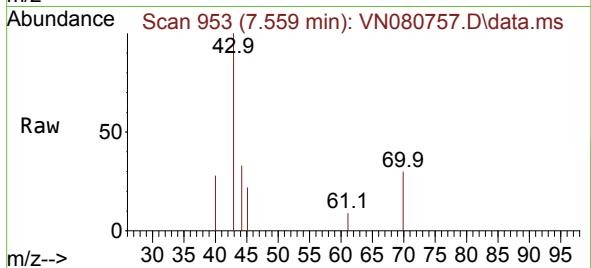
Tgt Ion: 43 Resp: 4265

Ion Ratio Lower Upper

43 100

61 9.2 13.2 19.8#

70 13.5 11.3 16.9



#38

Carbon Tetrachloride

Concen: 4.596 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

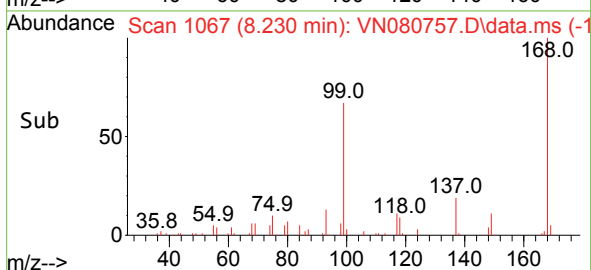
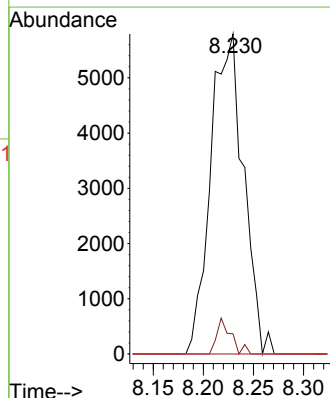
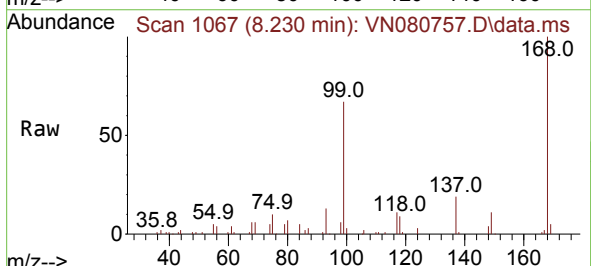
Tgt Ion: 117 Resp: 13207

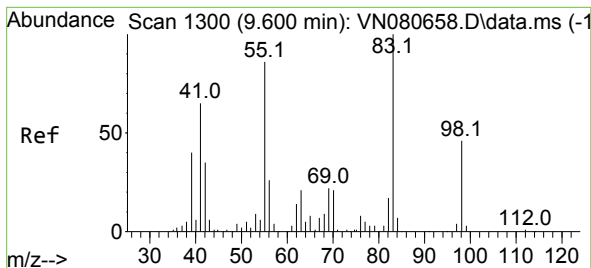
Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.630 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

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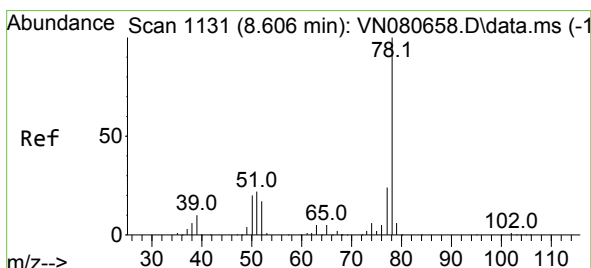
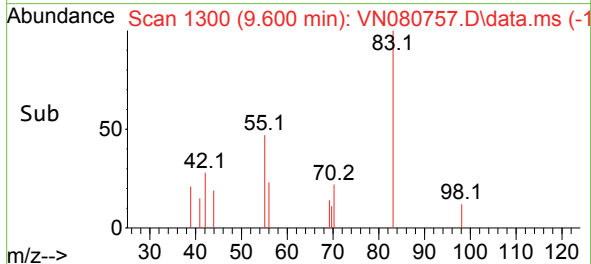
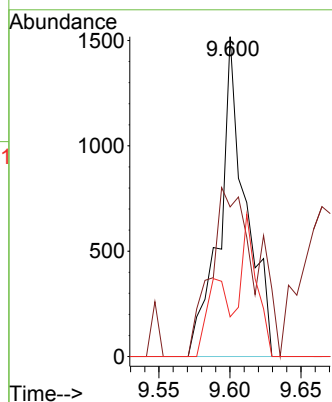
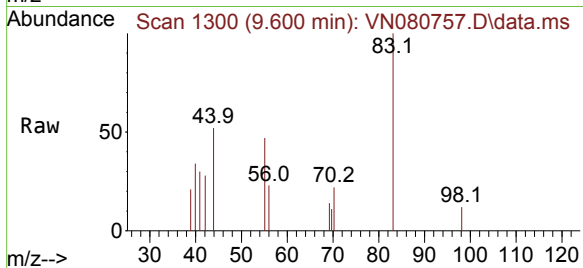
Tgt Ion: 83 Resp: 1930

Ion Ratio Lower Upper

83 100

55 46.8 49.1 73.7#

98 12.5 40.6 61.0#



#40

Benzene

Concen: 124.013 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN080757.D

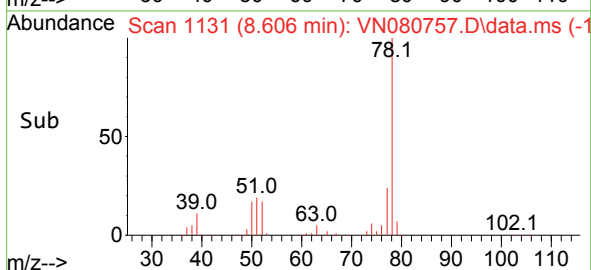
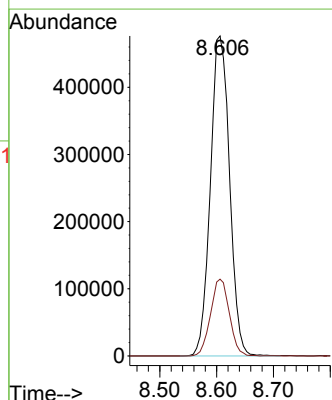
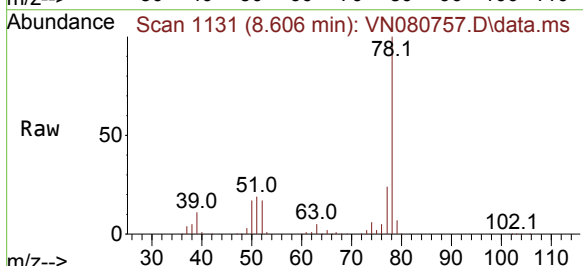
Acq: 23 Jan 2024 12:51

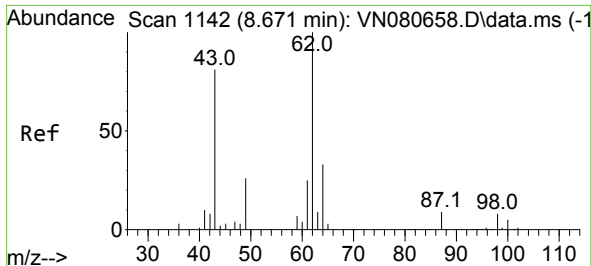
Tgt Ion: 78 Resp: 1115702

Ion Ratio Lower Upper

78 100

77 24.0 19.0 28.6





#42

1,2-Dichloroethane

Concen: 2.958 ug/l

RT: 8.600 min Scan# 1142

Delta R.T. -0.071 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

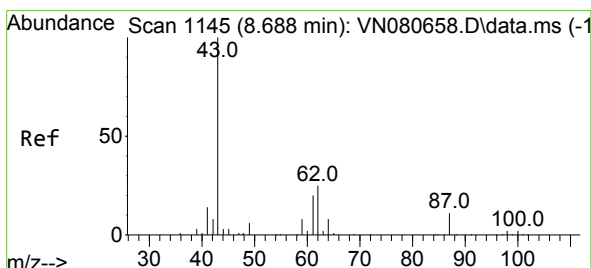
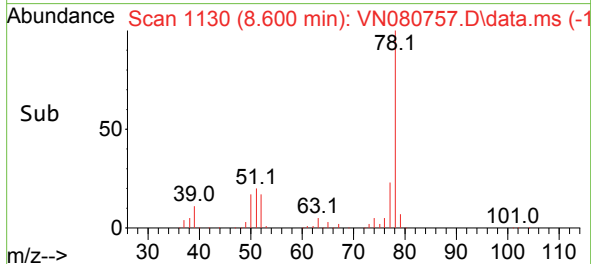
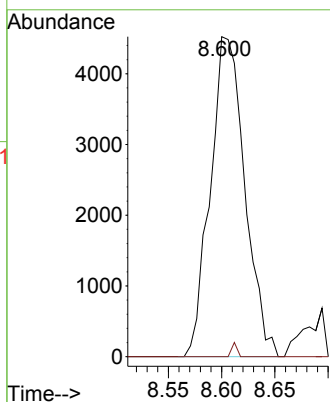
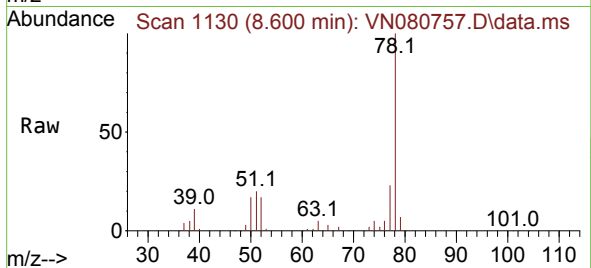
S-4

Tgt Ion: 62 Resp: 10189

Ion Ratio Lower Upper

62 100

98 0.7 0.0 19.8



#43

Isopropyl Acetate

Concen: 23.930 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

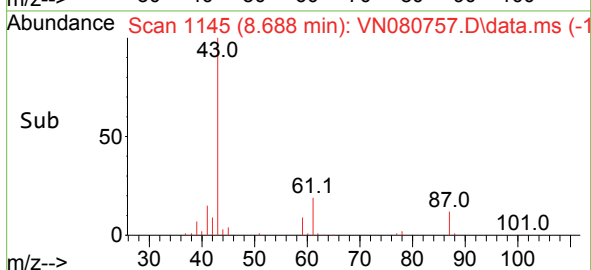
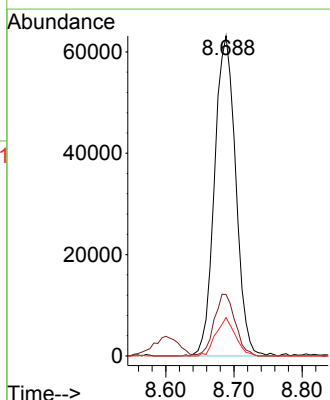
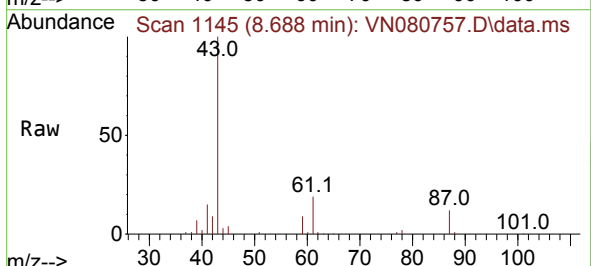
Tgt Ion: 43 Resp: 136503

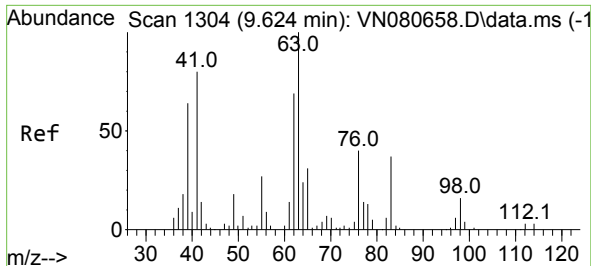
Ion Ratio Lower Upper

43 100

61 19.2 24.7 37.1#

87 10.9 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.609 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

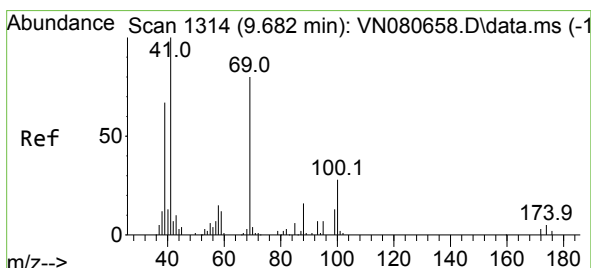
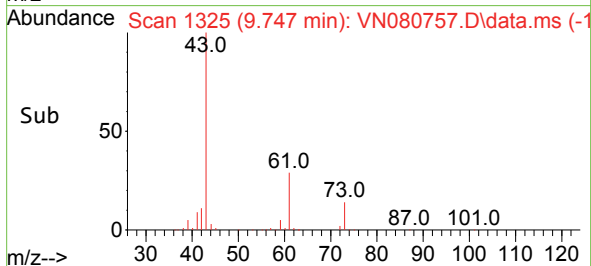
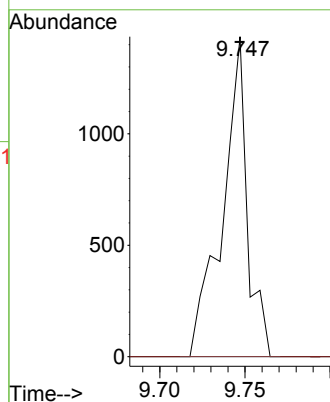
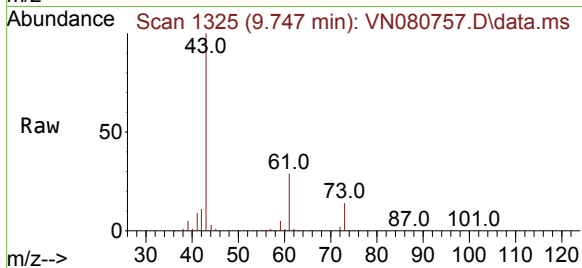
S-4

Tgt Ion: 63 Resp: 1453

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.340 ug/l

RT: 9.653 min Scan# 1309

Delta R.T. -0.029 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

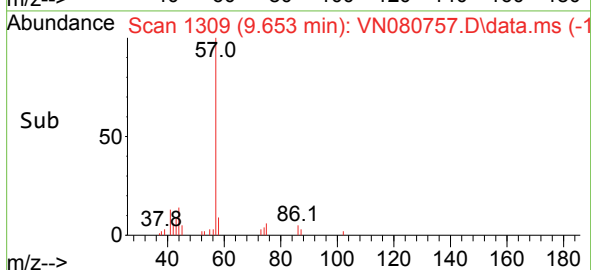
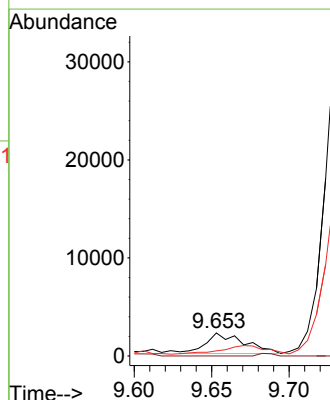
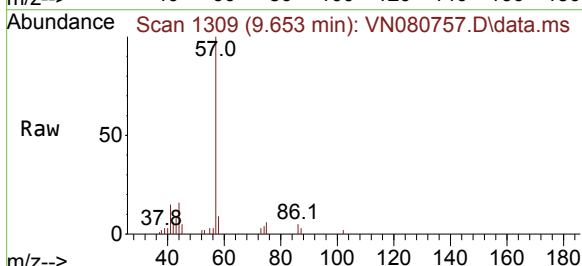
Tgt Ion: 41 Resp: 3619

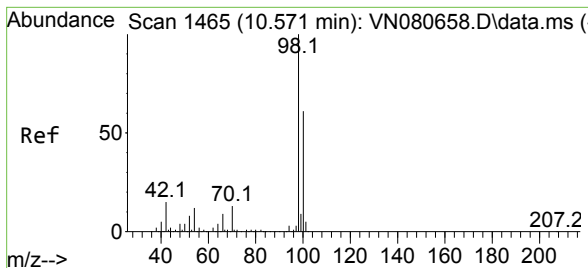
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 0.0 54.6 81.8#

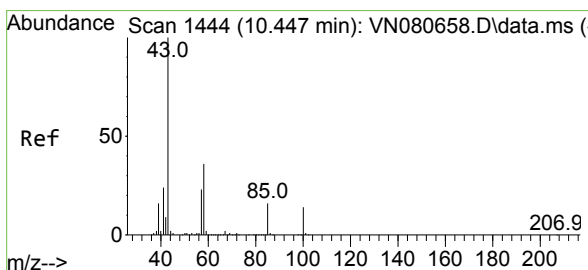
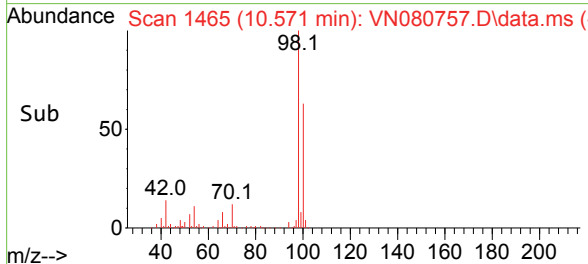
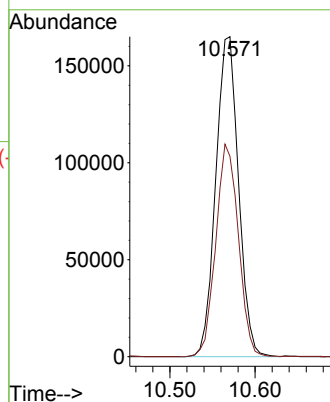
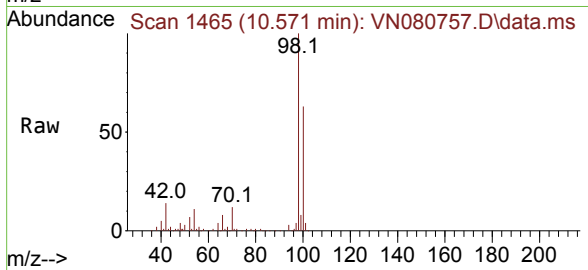




#50
Toluene-d8
Concen: 51.419 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

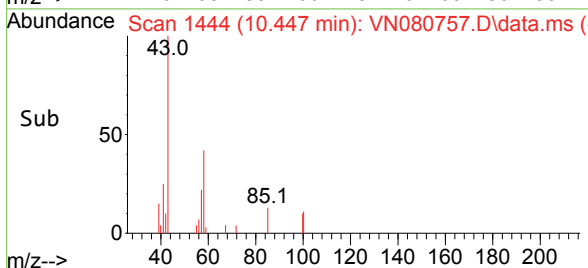
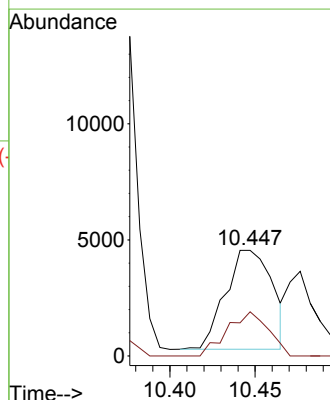
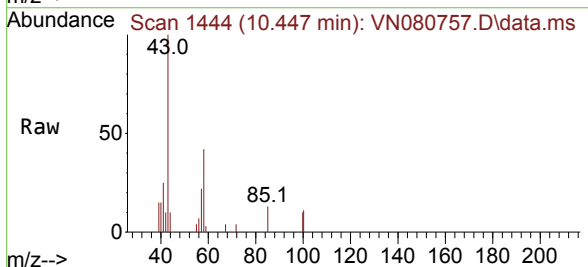
Instrument :
MSVOA_N
ClientSampleId :
S-4

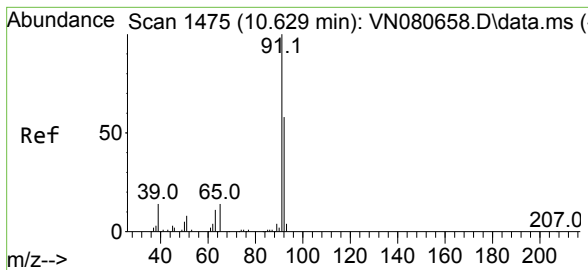
Tgt Ion: 98 Resp: 306313
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.652 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 43 Resp: 8160
Ion Ratio Lower Upper
43 100
58 39.1 36.6 54.8

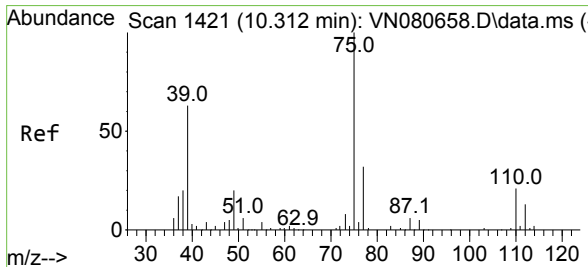
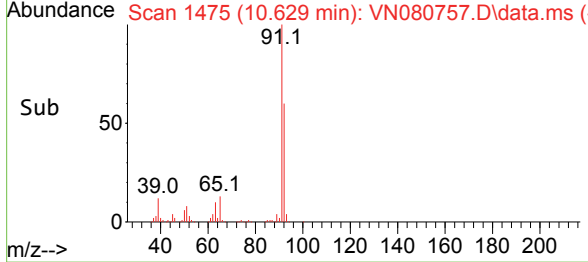
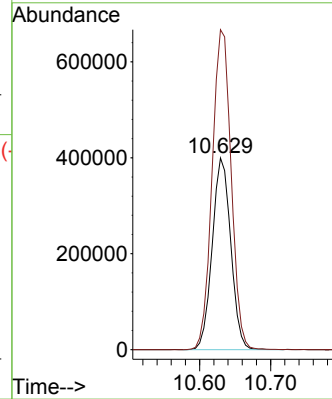
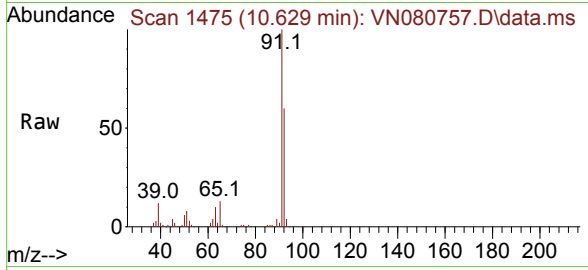




#52
Toluene
Concen: 140.379 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

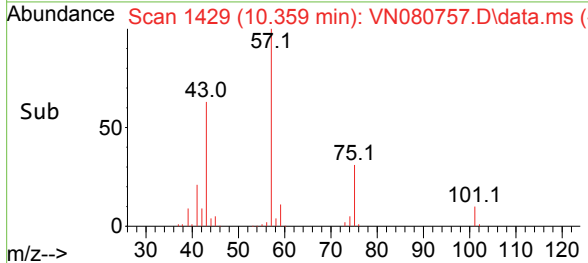
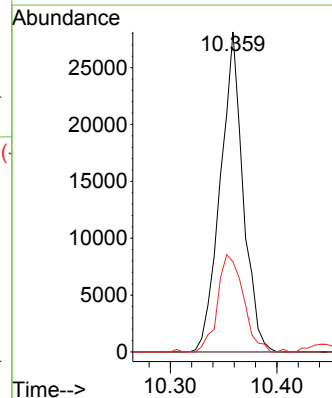
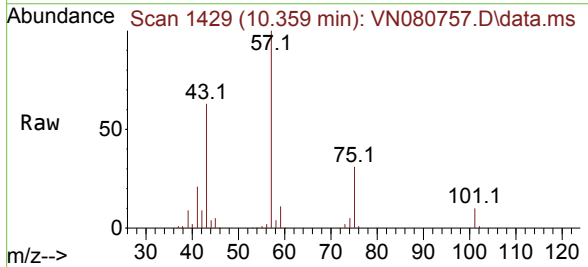
Instrument :
MSVOA_N
ClientSampleId :
S-4

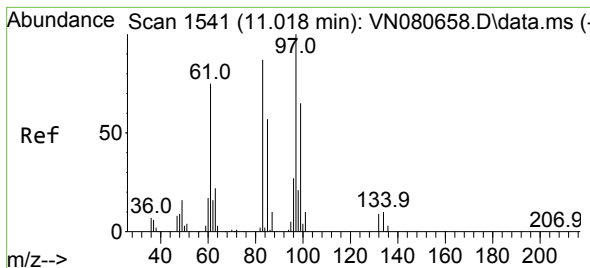
Tgt Ion: 92 Resp: 723594
Ion Ratio Lower Upper
92 100
91 171.6 137.4 206.0



#54
cis-1,3-Dichloropropene
Concen: 10.590 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

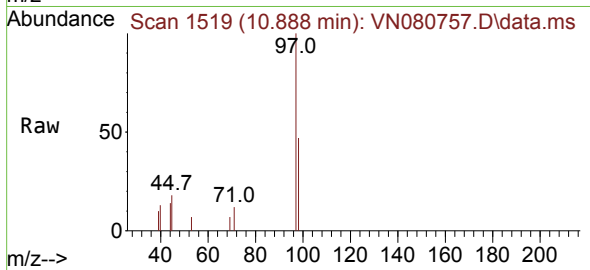
Tgt Ion: 75 Resp: 41750
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 28.2 31.6 47.4#



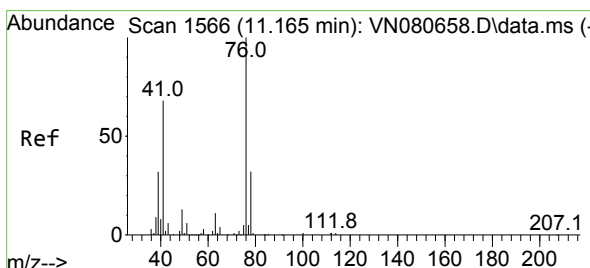
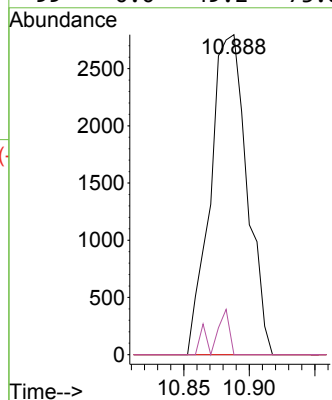
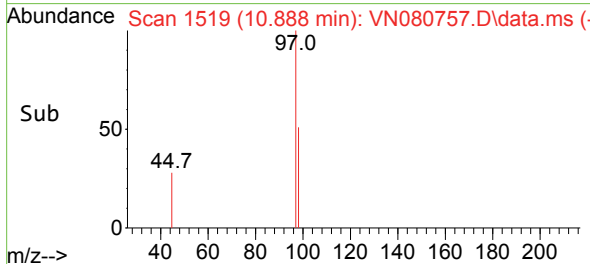


#55
1,1,2-Trichloroethane
Concen: 2.739 ug/l
RT: 10.888 min Scan# 1519
Delta R.T. -0.129 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Instrument :
MSVOA_N
ClientSampleId :
S-4

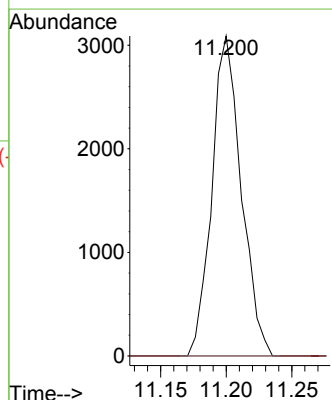
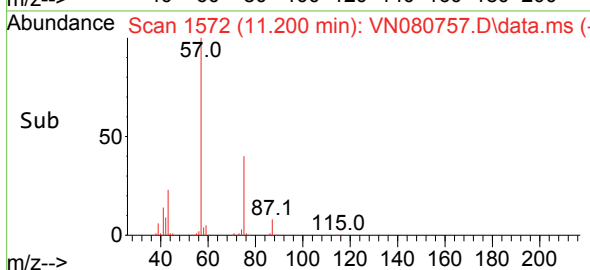
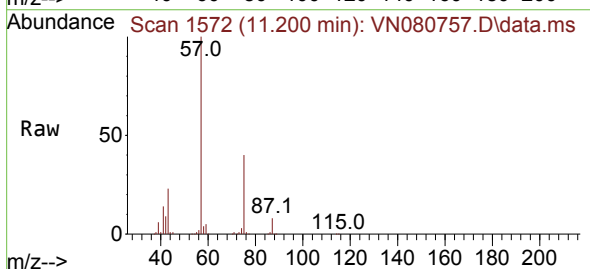


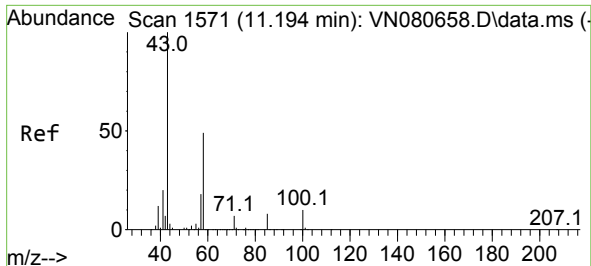
Tgt Ion: 97	Resp:	5434
Ion	Ratio	Lower Upper
97	100	
83	0.0	65.1 97.7#
85	0.0	43.4 65.2#
99	0.0	49.2 73.8#



#57
1,3-Dichloropropane
Concen: 1.327 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 76	Resp:	4807
Ion	Ratio	Lower Upper
76	100	
78	0.0	26.1 39.1#





#59

2-Hexanone

Concen: 50.555 ug/l

RT: 11.171 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

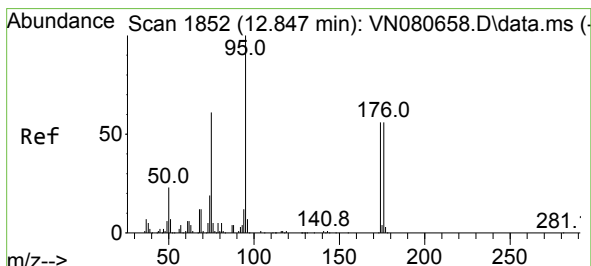
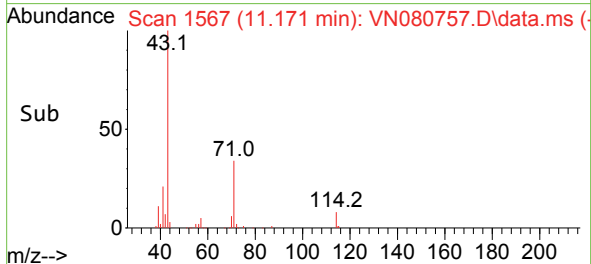
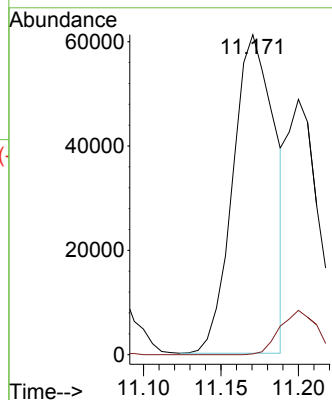
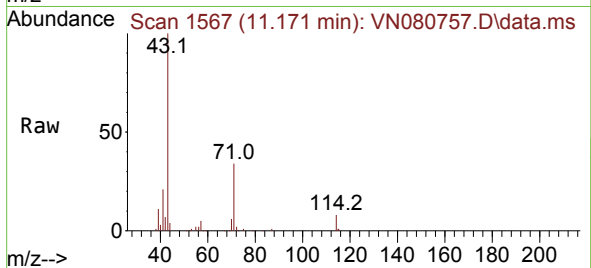
S-4

Tgt Ion: 43 Resp: 114850

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#



#62

4-Bromofluorobenzene

Concen: 55.680 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

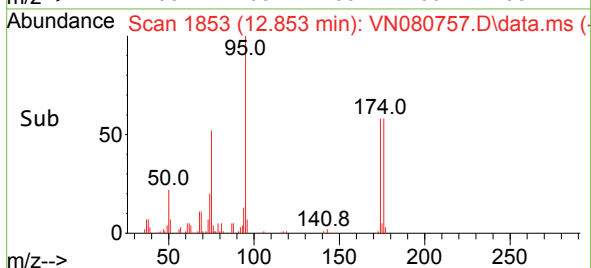
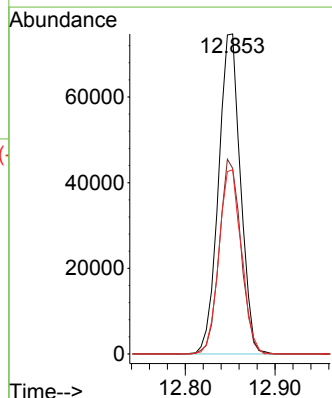
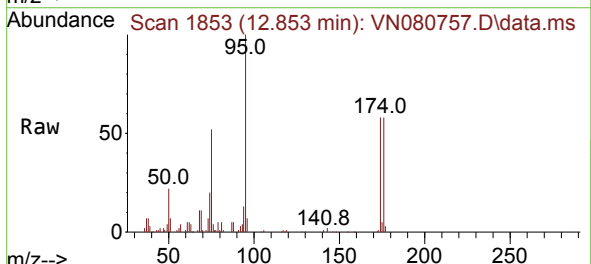
Tgt Ion: 95 Resp: 127197

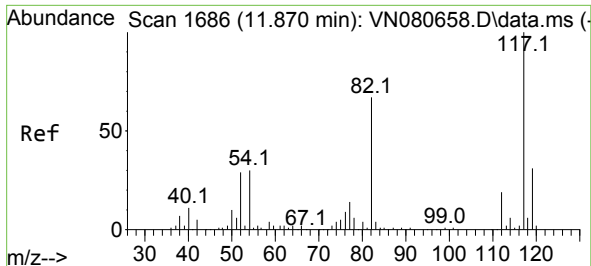
Ion Ratio Lower Upper

95 100

174 59.7 0.0 143.8

176 59.0 0.0 135.8

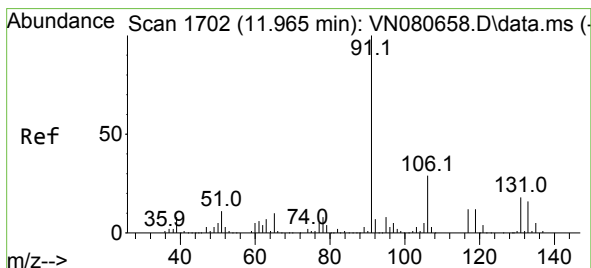
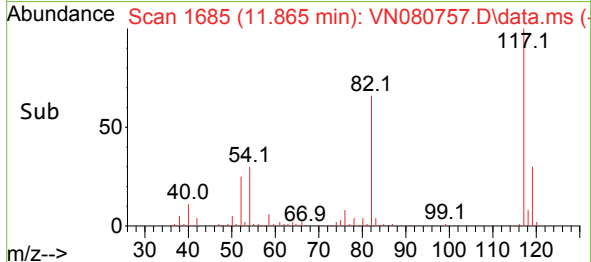
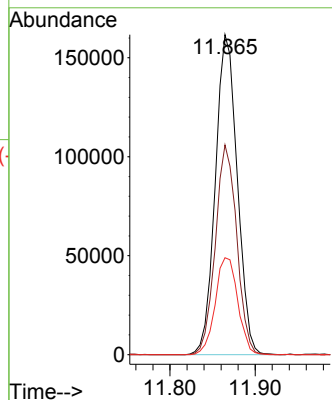
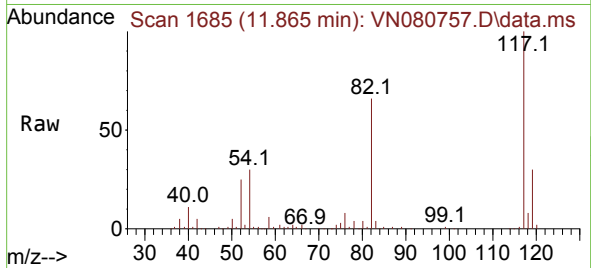




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

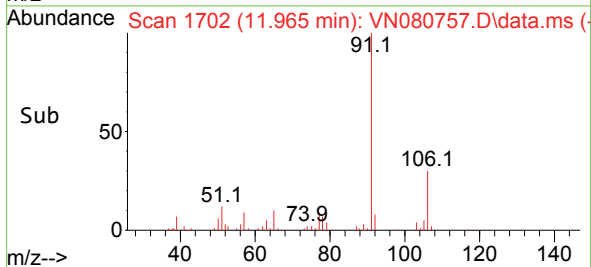
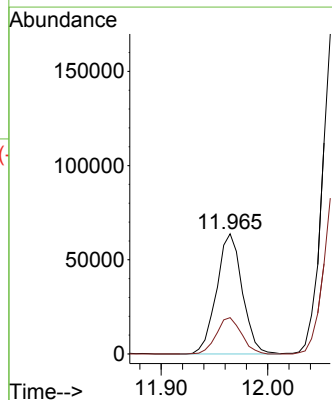
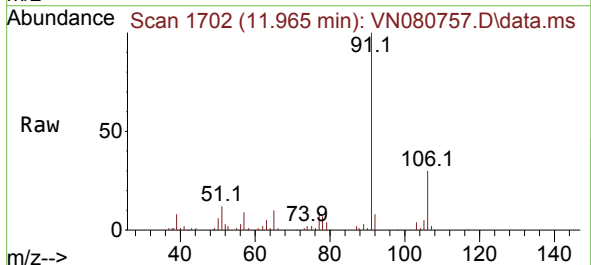
Instrument :
MSVOA_N
ClientSampleId :
S-4

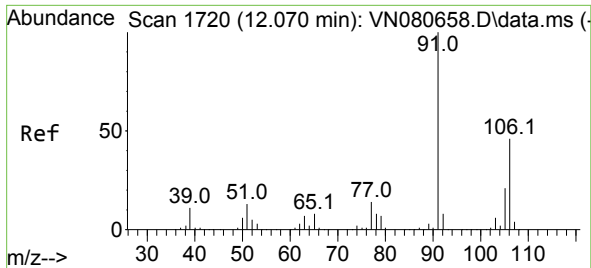
Tgt Ion:117 Resp: 289327
Ion Ratio Lower Upper
117 100
82 65.6 44.0 66.0
119 30.3 25.6 38.4



#67
Ethyl Benzene
Concen: 8.839 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 91 Resp: 106695
Ion Ratio Lower Upper
91 100
106 30.2 25.6 38.4

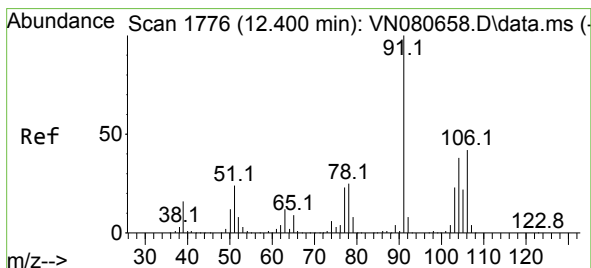
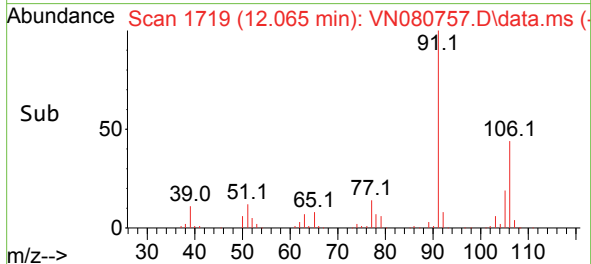
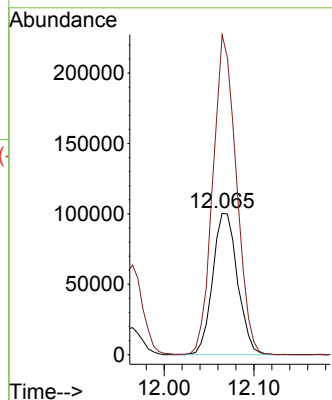
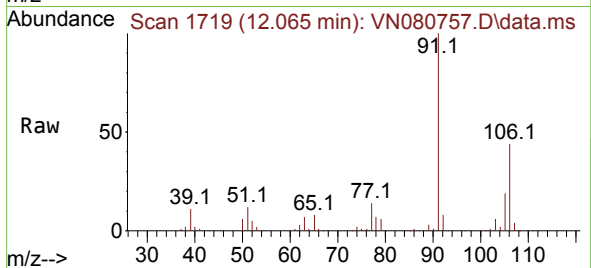




#68
m/p-Xylenes
Concen: 45.384 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

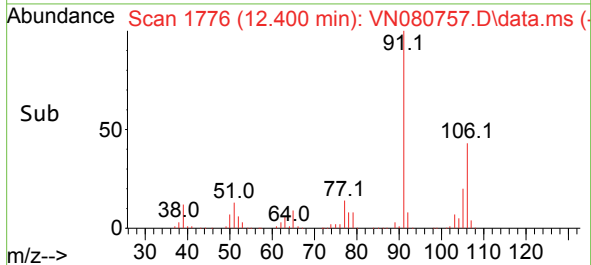
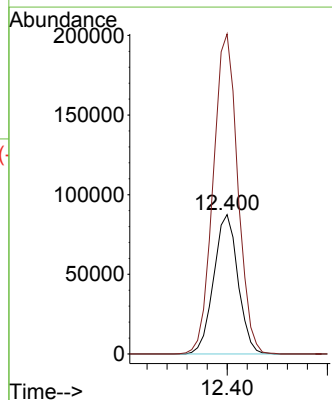
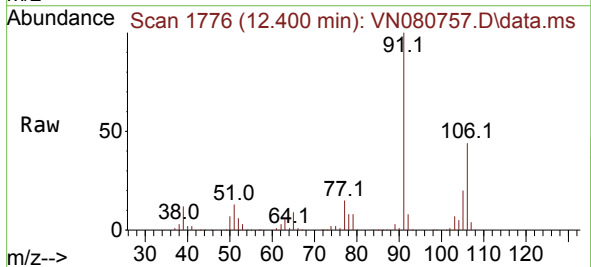
Instrument :
MSVOA_N
ClientSampleId :
S-4

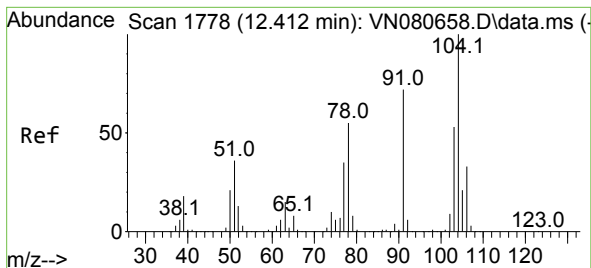
Tgt Ion:106 Resp: 192590
Ion Ratio Lower Upper
106 100
91 214.4 159.6 239.4



#69
o-Xylene
Concen: 35.365 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion:106 Resp: 146735
Ion Ratio Lower Upper
106 100
91 232.4 105.2 315.5





#70

Styrene

Concen: 3.804 ug/l

RT: 12.406 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

S-4

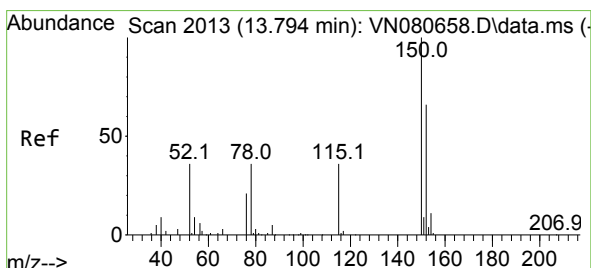
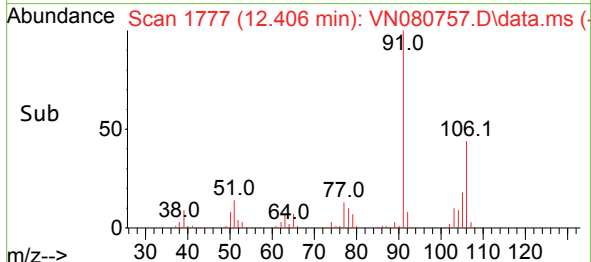
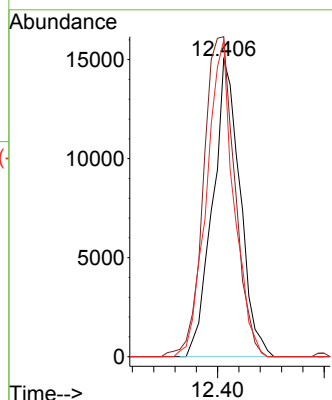
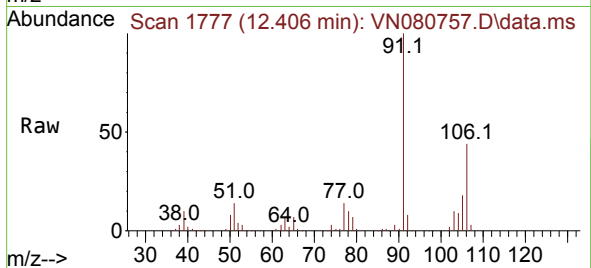
Tgt Ion:104 Resp: 26803

Ion Ratio Lower Upper

104 100

78 122.1 39.5 59.3#

103 105.7 43.2 64.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

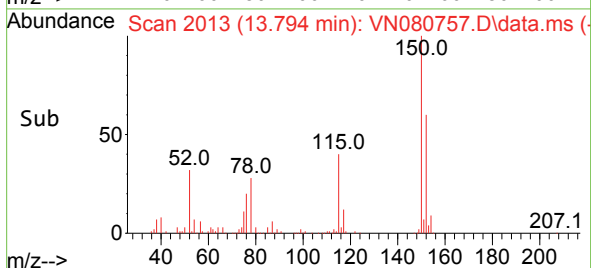
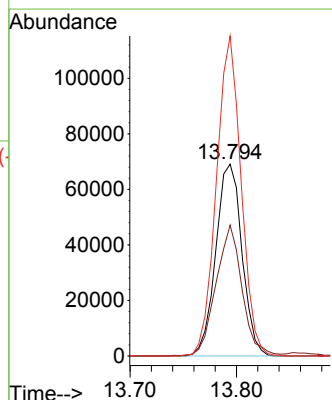
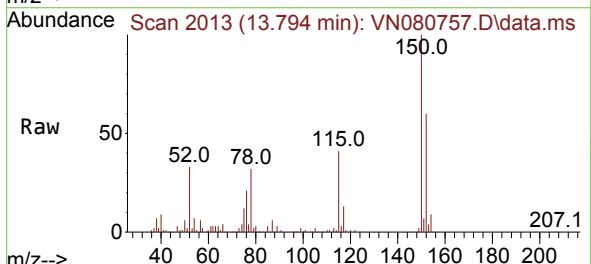
Tgt Ion:152 Resp: 117881

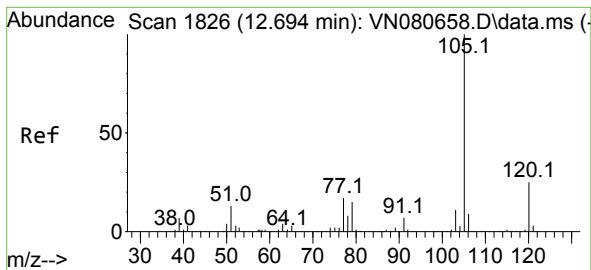
Ion Ratio Lower Upper

152 100

115 67.9 32.3 96.8

150 157.3 0.0 355.8





#73

Isopropylbenzene

Concen: 0.522 ug/l

RT: 12.694 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

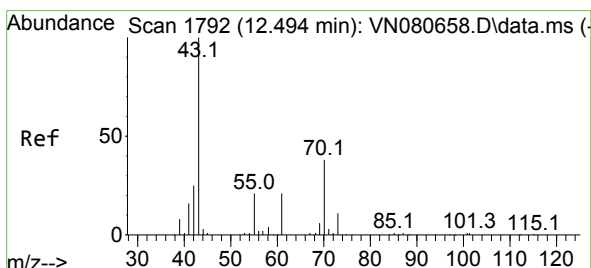
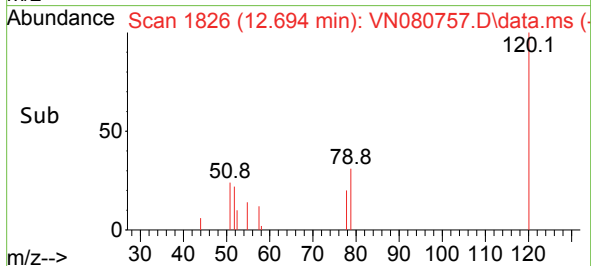
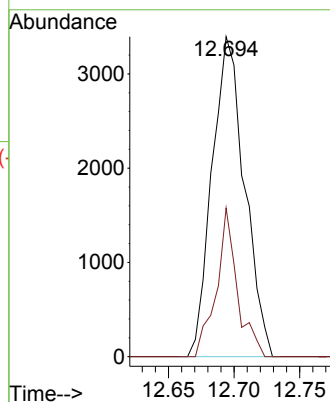
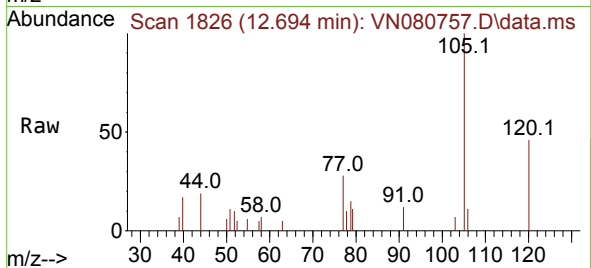
S-4

Tgt Ion:105 Resp: 5848

Ion Ratio Lower Upper

105 100

120 29.7 13.1 39.1



#74

N-ethyl acetate

Concen: 0.697 ug/l

RT: 12.453 min Scan# 1785

Delta R.T. -0.041 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Tgt Ion: 43 Resp: 4692

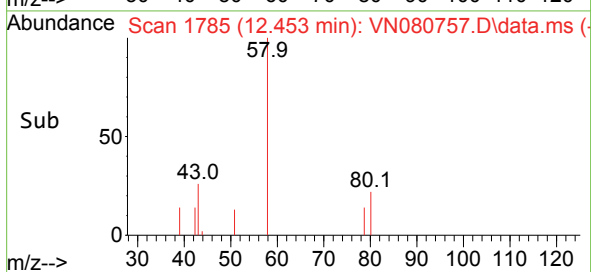
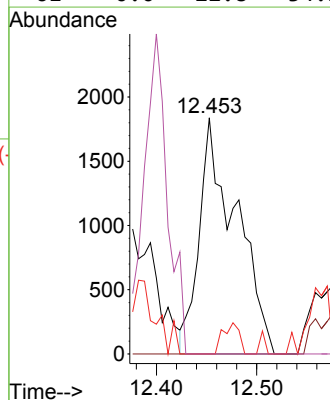
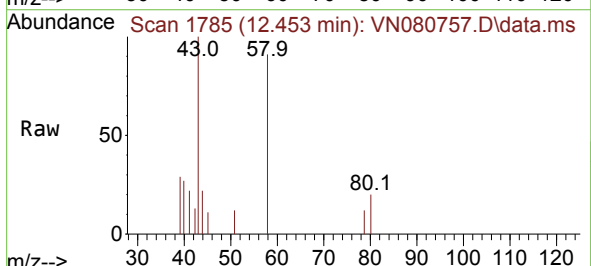
Ion Ratio Lower Upper

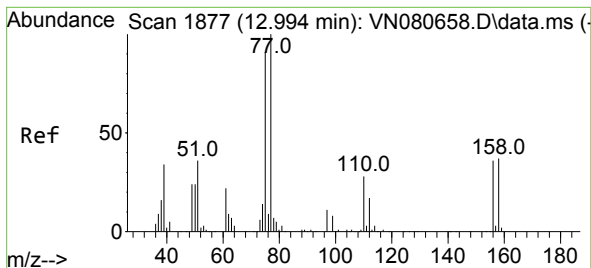
43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 19.143 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

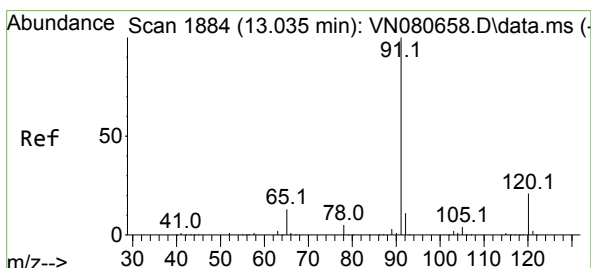
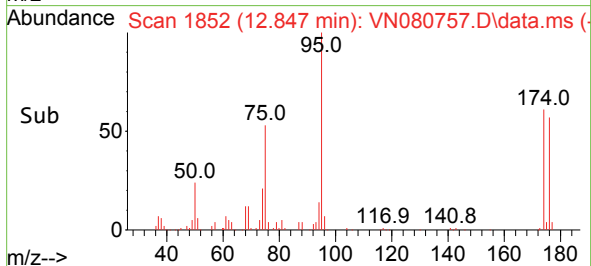
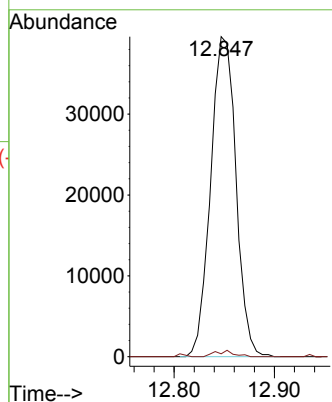
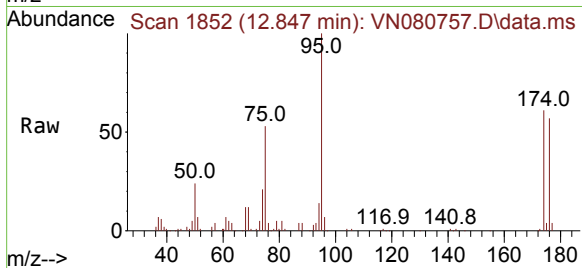
S-4

Tgt Ion: 75 Resp: 69586

Ion Ratio Lower Upper

75 100

77 1.4 84.5 253.5#



#78

n-propylbenzene

Concen: 1.019 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VN080757.D

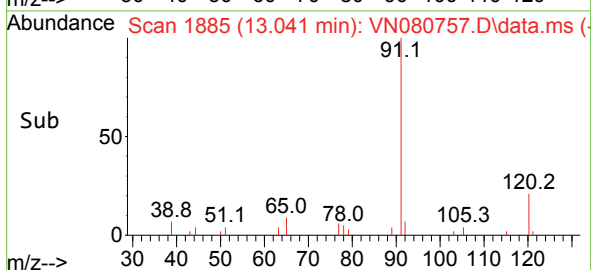
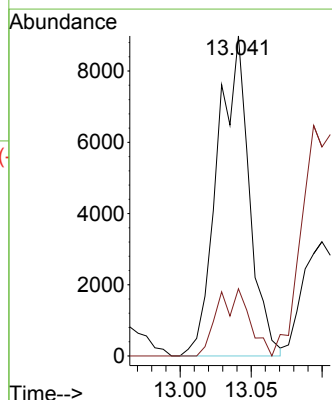
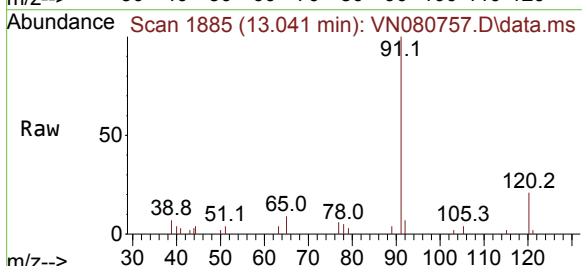
Acq: 23 Jan 2024 12:51

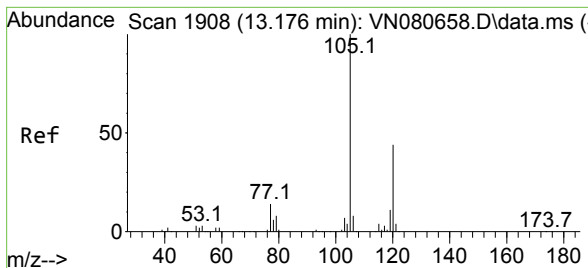
Tgt Ion: 91 Resp: 14015

Ion Ratio Lower Upper

91 100

120 21.0 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 4.126 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

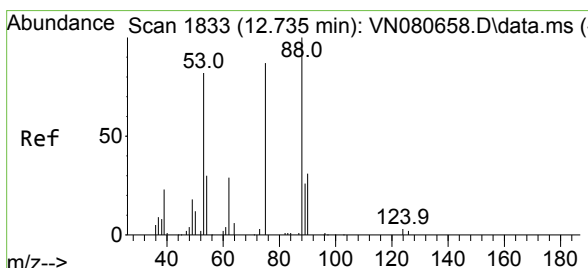
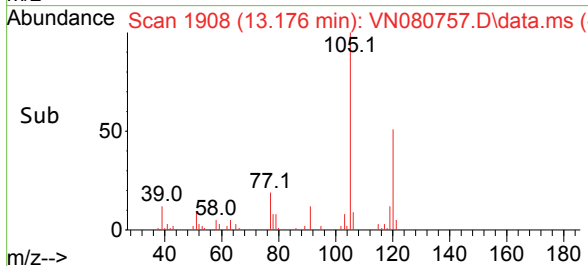
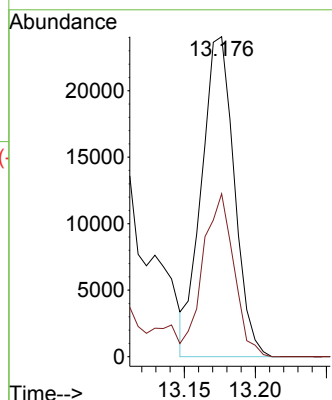
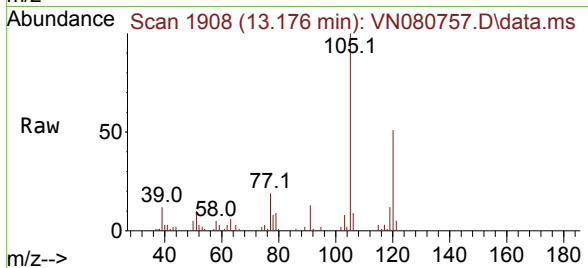
S-4

Tgt Ion:105 Resp: 38549

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 45.129 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

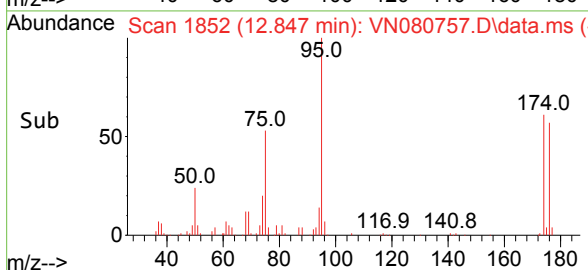
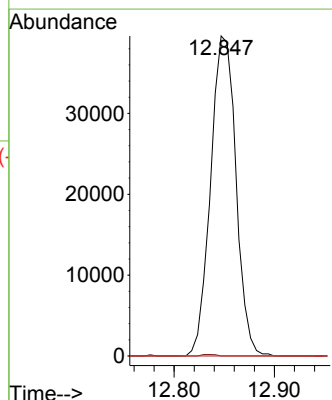
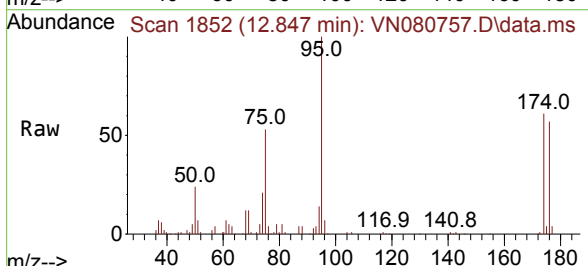
Tgt Ion: 75 Resp: 69586

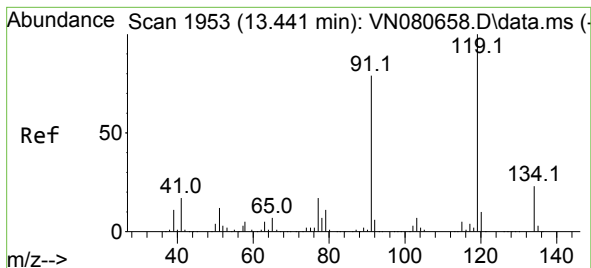
Ion Ratio Lower Upper

75 100

53 0.3 67.4 101.2#

89 0.0 38.8 58.2#





#83

tert-Butylbenzene

Concen: 0.335 ug/l

RT: 13.676 min Scan# 1953

Delta R.T. 0.235 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

S-4

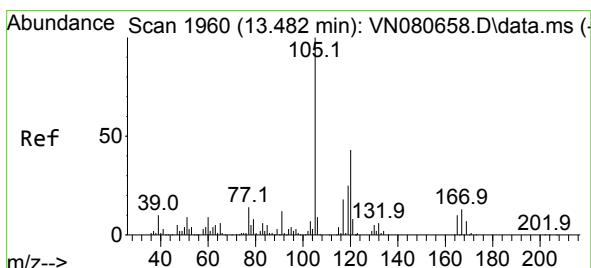
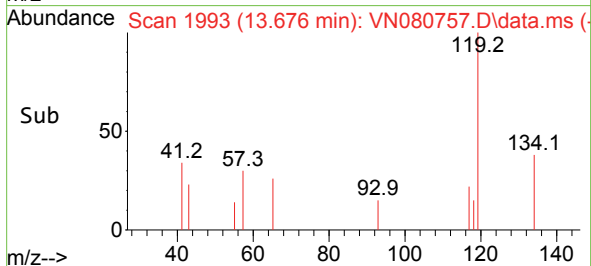
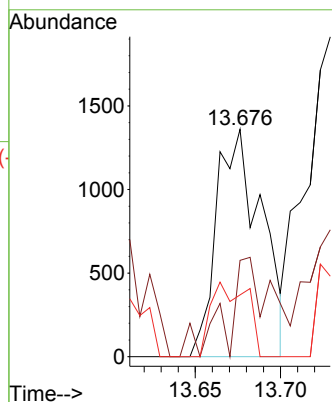
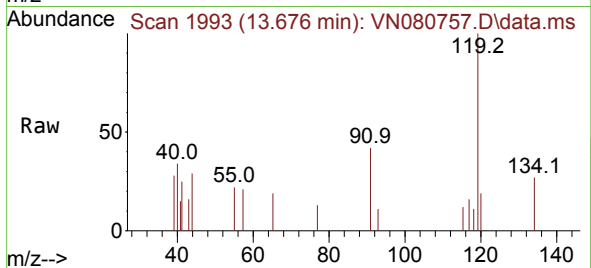
Tgt Ion:119 Resp: 2499

Ion Ratio Lower Upper

119 100

91 43.6 33.9 101.7

134 26.3 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 13.372 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080757.D

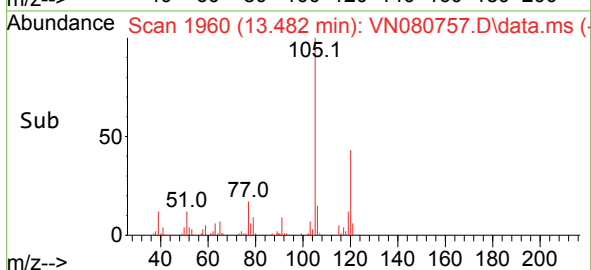
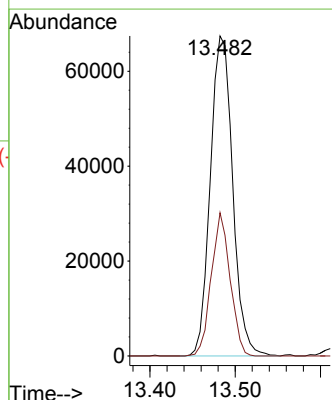
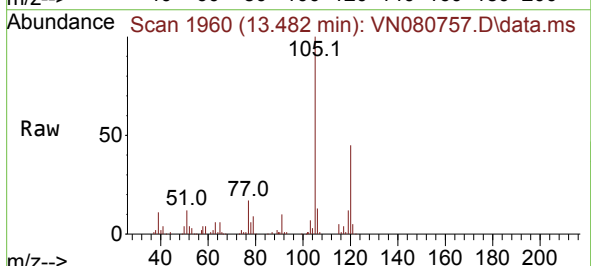
Acq: 23 Jan 2024 12:51

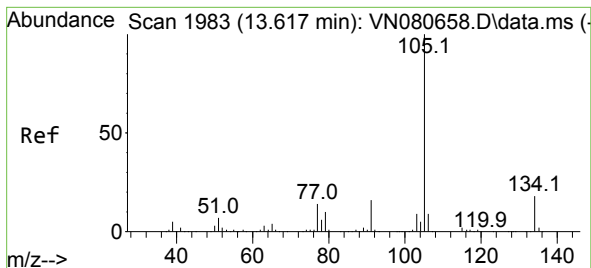
Tgt Ion:105 Resp: 122836

Ion Ratio Lower Upper

105 100

120 37.7 22.0 66.0





#85

sec-Butylbenzene

Concen: 11.576 ug/l

RT: 13.482 min Scan# 1983

Delta R.T. -0.135 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

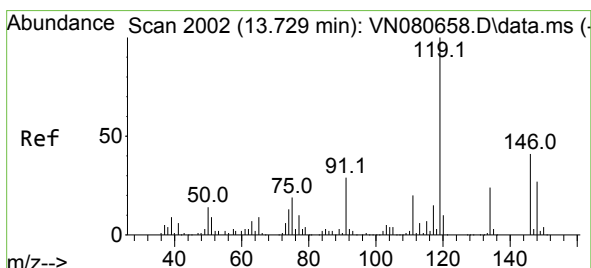
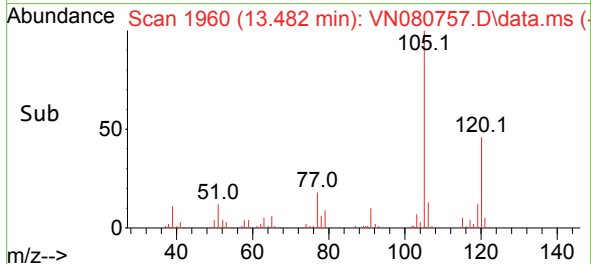
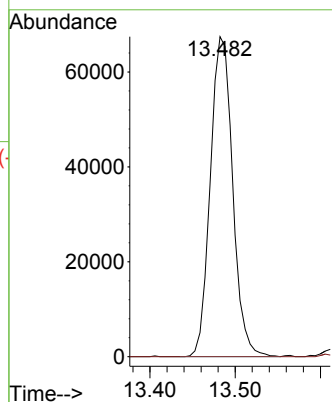
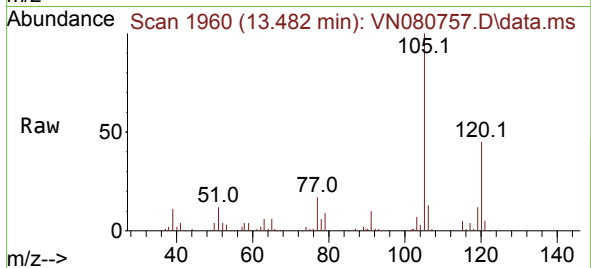
S-4

Tgt Ion:105 Resp: 122836

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#



#86

p-Isopropyltoluene

Concen: 0.398 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

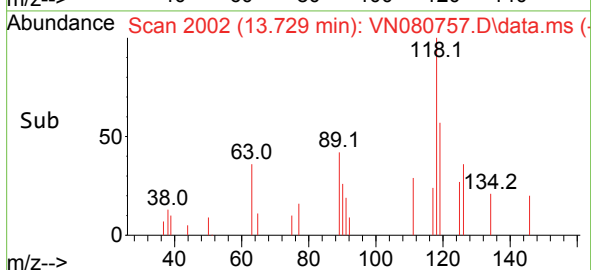
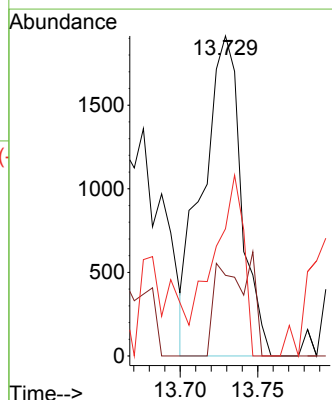
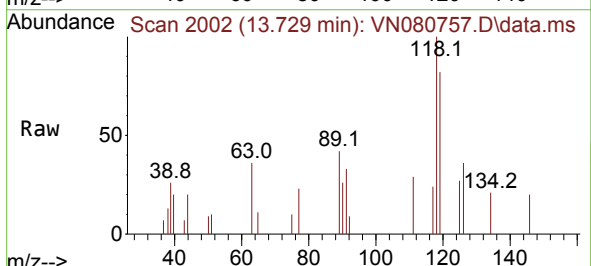
Tgt Ion:119 Resp: 3334

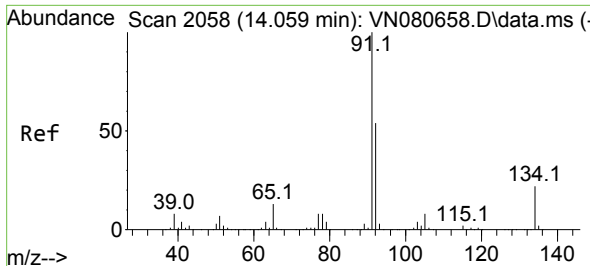
Ion Ratio Lower Upper

119 100

134 26.4 12.6 37.8

91 43.9 12.4 37.2#

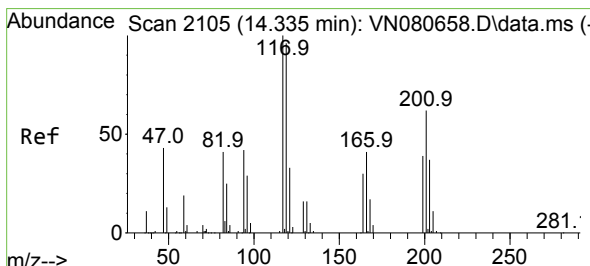
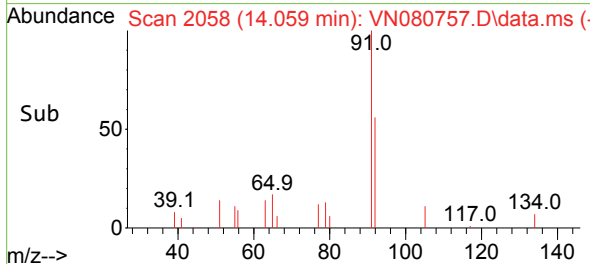
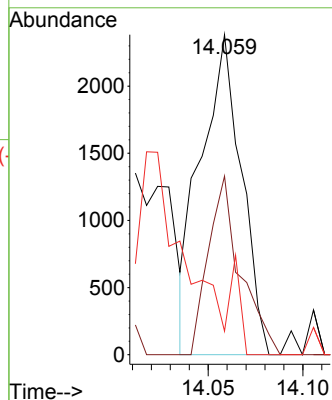
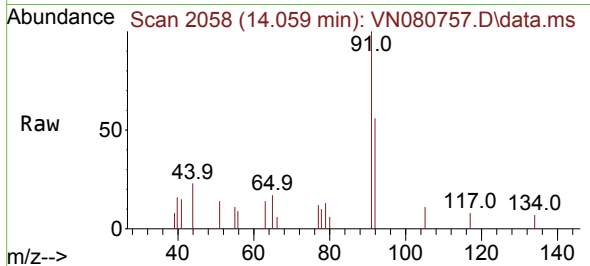




#89
n-Butylbenzene
Concen: 0.441 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

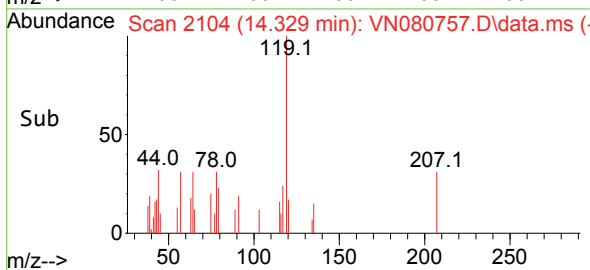
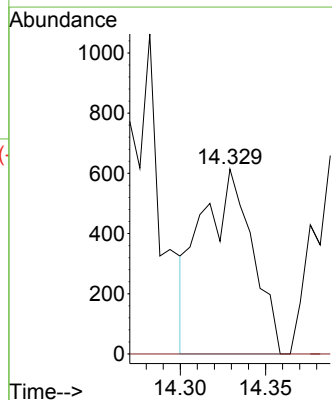
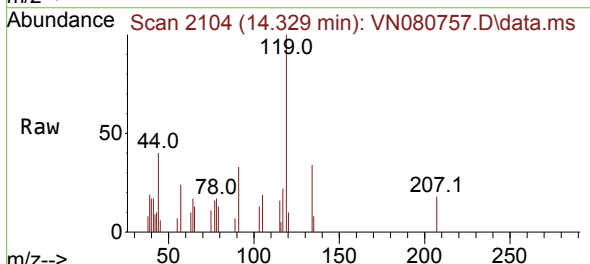
Instrument :
MSVOA_N
ClientSampleId :
S-4

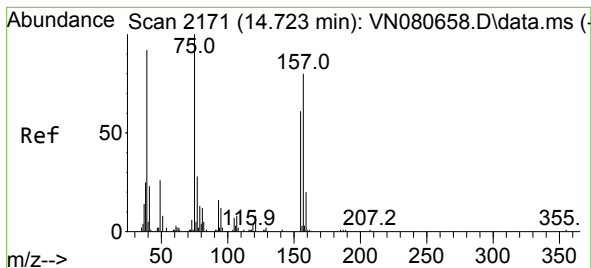
Tgt Ion: 91 Resp: 3560
Ion Ratio Lower Upper
91 100
92 44.2 26.4 79.0
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 0.822 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 117 Resp: 1277
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

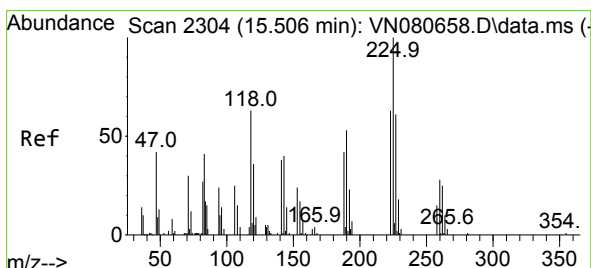
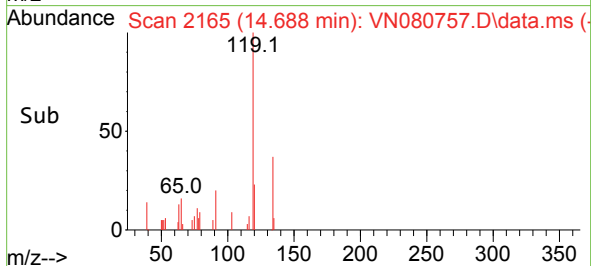
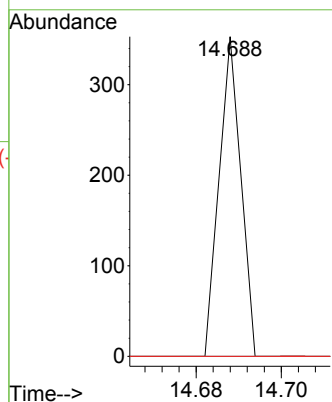
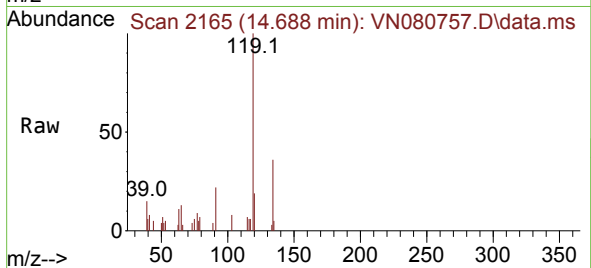




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.688 min Scan# 2171
Delta R.T. -0.035 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

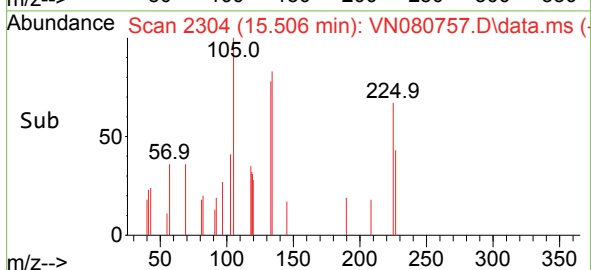
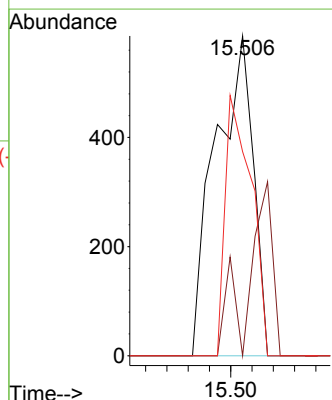
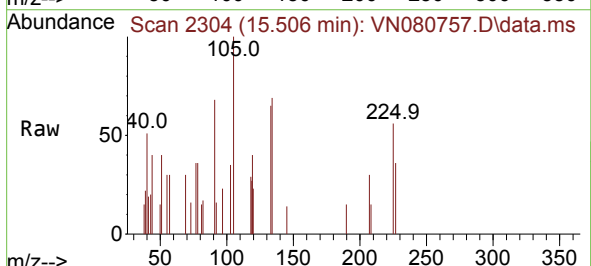
Instrument :
MSVOA_N
ClientSampleId :
S-4

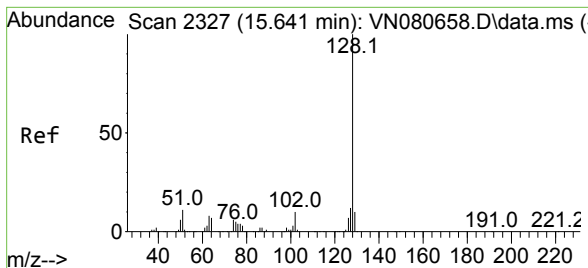
Tgt Ion: 75 Resp: 125
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.2#
157 0.0 50.3 150.9#



#94
Hexachlorobutadiene
Concen: 0.721 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 225 Resp: 722
Ion Ratio Lower Upper
225 100
223 35.2 31.3 93.8
227 56.4 31.9 95.9

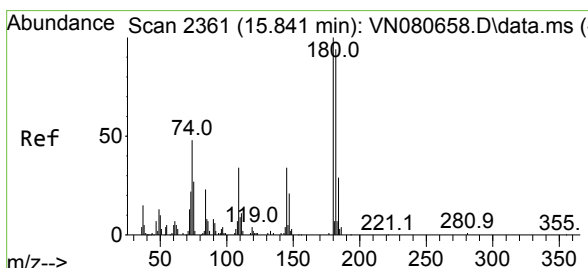
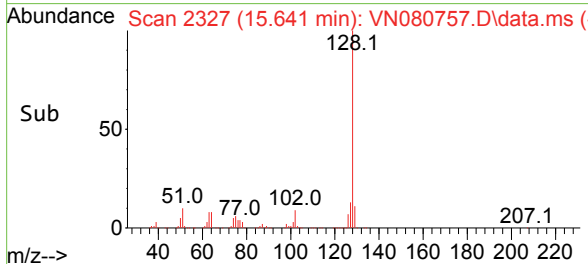
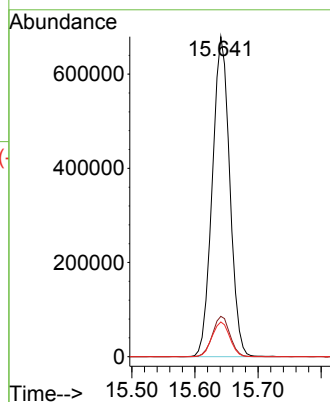
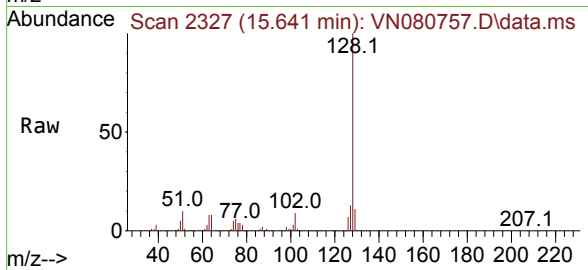




#95
Naphthalene
Concen: 158.870 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Instrument :
MSVOA_N
ClientSampleId :
S-4

Tgt Ion:128 Resp: 1304890
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.401 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion:180 Resp: 811
Ion Ratio Lower Upper
180 100
182 74.5 46.2 138.6
145 14.4 17.5 52.6#

