

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081723.D
 Acq On : 12 Apr 2024 17:19
 Operator : JC\MD
 Sample : P2070-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:59:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

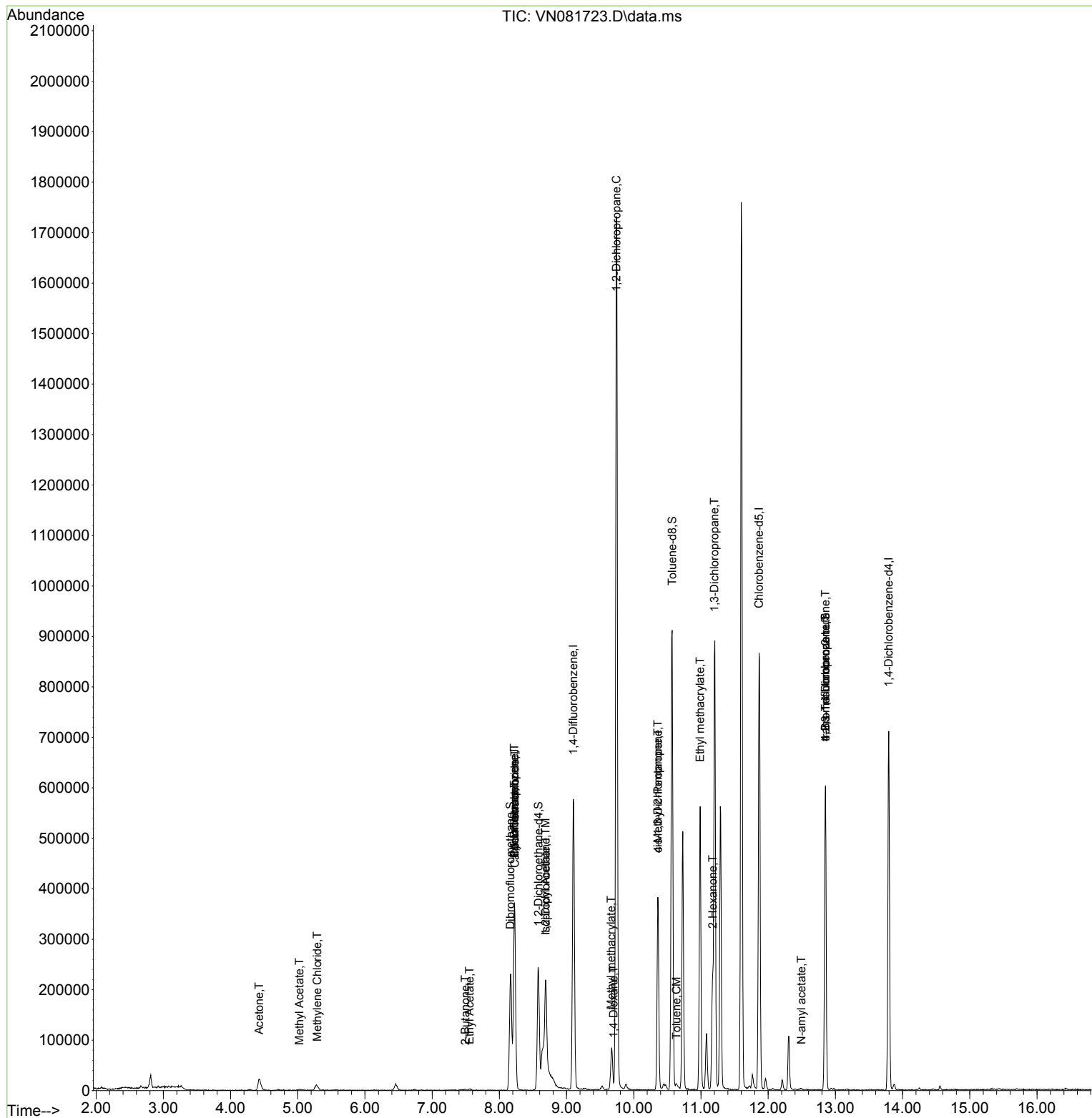
Internal Standards						
1) Pentafluorobenzene	8.224	168	253760	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	493429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	507328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	194764	60.184	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.360%			
35) Dibromofluoromethane	8.165	113	163827	52.609	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.220%			
50) Toluene-d8	10.571	98	642721	57.096	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.200%#			
62) 4-Bromofluorobenzene	12.853	95	204888	51.655	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.300%			
Target Compounds						
						Qvalue
16) Acetone	4.424	43	41618	39.794	ug/l	93
18) Methyl Acetate	5.024	43	3811	1.182	ug/l	# 76
20) Methylene Chloride	5.289	84	8769	2.560	ug/l	# 56
25) 2-Butanone	7.494	43	3976	2.216	ug/l	# 70
31) Cyclohexane	8.224	56	6323	1.201	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	22130	4.223	ug/l	# 50
37) Ethyl Acetate	7.559	43	4424	0.986	ug/l	# 91
38) Carbon Tetrachloride	8.229	117	29543	5.146	ug/l	# 18
42) 1,2-Dichloroethane	8.688	62	1712	0.318	ug/l	# 75
43) Isopropyl Acetate	8.688	43	366891	49.324	ug/l	# 77
45) 1,2-Dichloropropane	9.741	63	2583	0.696	ug/l	# 42
48) Methyl methacrylate	9.665	41	5341	1.557	ug/l	# 48
49) 1,4-Dioxane	9.700	88	59	0.716	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.359	43	132953	29.292	ug/l	# 51
52) Toluene	10.635	92	4806	0.494	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	68258	10.694	ug/l	# 61
56) Ethyl methacrylate	10.988	69	3094	1.152	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	9562	1.488	ug/l	# 45
59) 2-Hexanone	11.176	43	150569	44.868	ug/l	# 26
74) N-amyl acetate	12.494	43	1330	0.231	ug/l	# 46
76) 1,2,3-Trichloropropane	12.853	75	111012	24.881	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	111012	67.236	ug/l	# 14

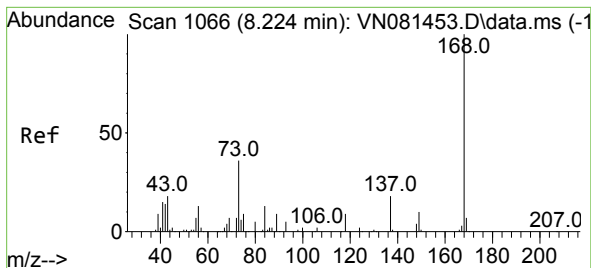
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
Data File : VN081723.D
Acq On : 12 Apr 2024 17:19
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Sample : P2070-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 13 06:59:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

Instrument :

MSVOA_N

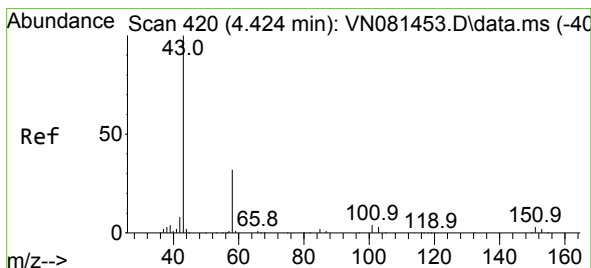
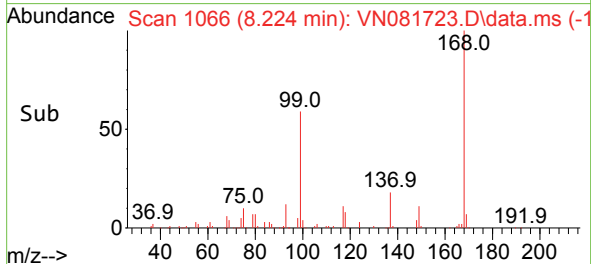
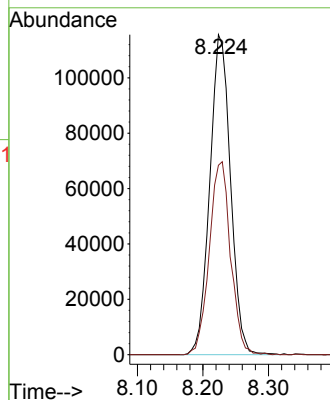
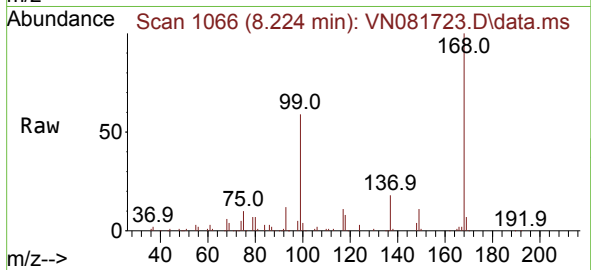
ClientSampleId :

Tgt Ion:168 Resp: 253760

Ion Ratio Lower Upper

168 100

99 59.2 59.9 89.9#



#16

Acetone

Concen: 39.794 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN081723.D

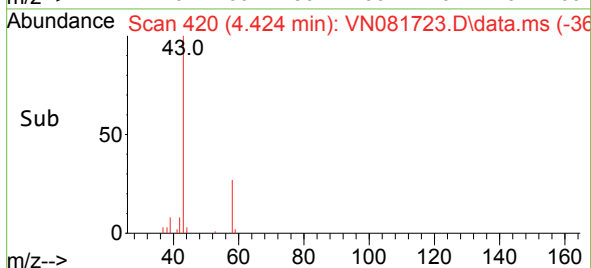
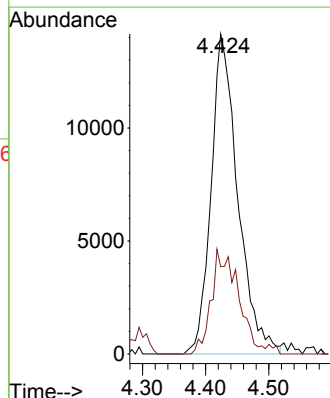
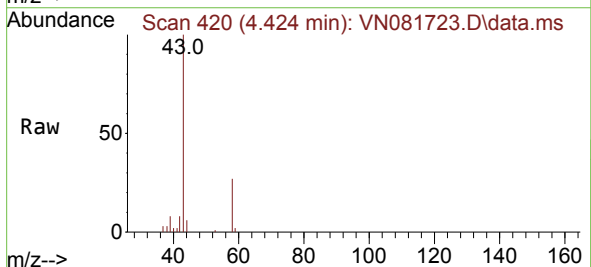
Acq: 12 Apr 2024 17:19

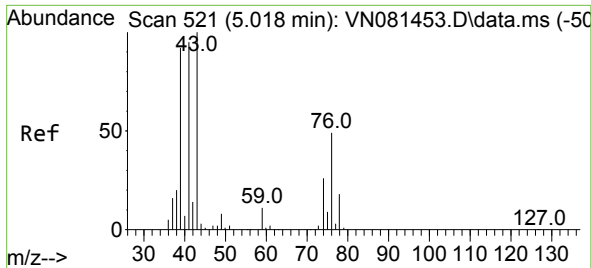
Tgt Ion: 43 Resp: 41618

Ion Ratio Lower Upper

43 100

58 27.3 24.8 37.2

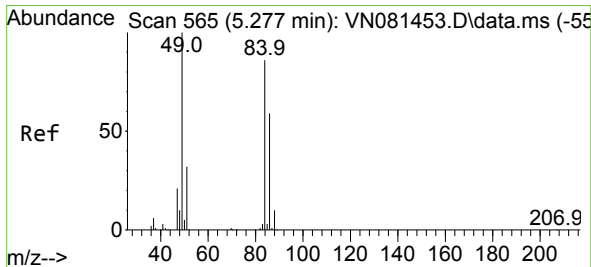
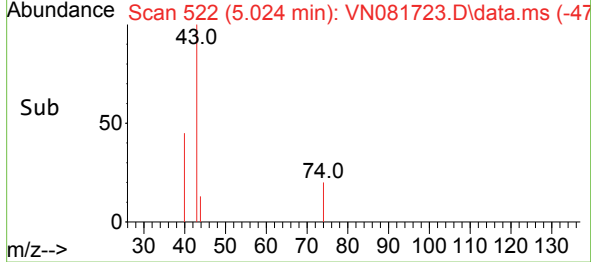
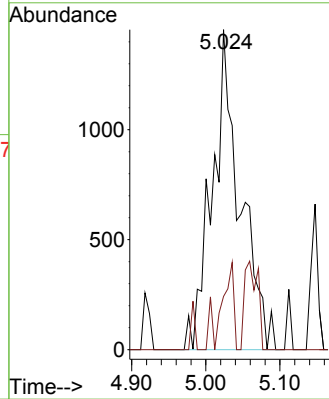
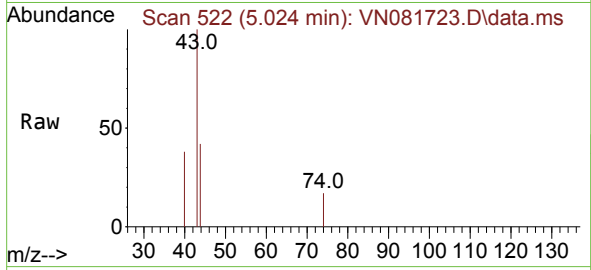




#18
Methyl Acetate
Concen: 1.182 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

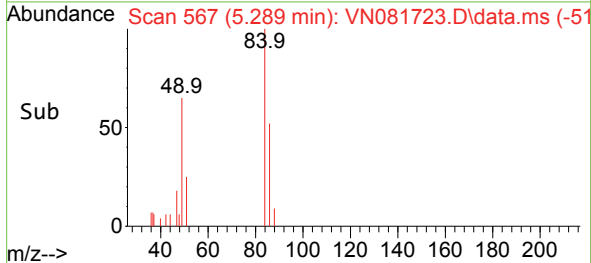
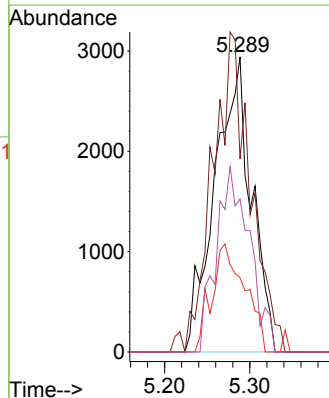
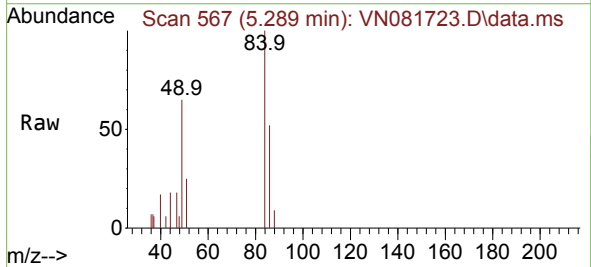
Instrument :
MSVOA_N
ClientSampleId :

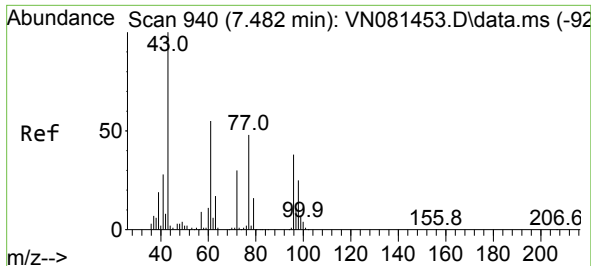
Tgt Ion: 43 Resp: 3811
Ion Ratio Lower Upper
43 100
74 10.0 17.3 25.9#



#20
Methylene Chloride
Concen: 2.560 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

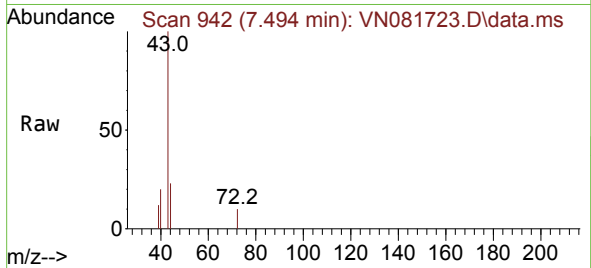
Tgt Ion: 84 Resp: 8769
Ion Ratio Lower Upper
84 100
49 58.6 108.1 162.1#
51 25.2 32.9 49.3#
86 51.8 48.6 73.0



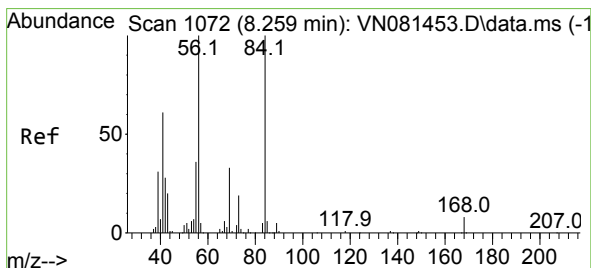
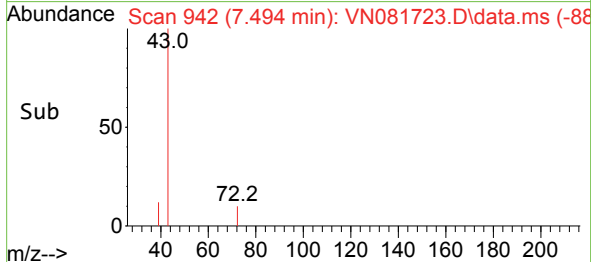
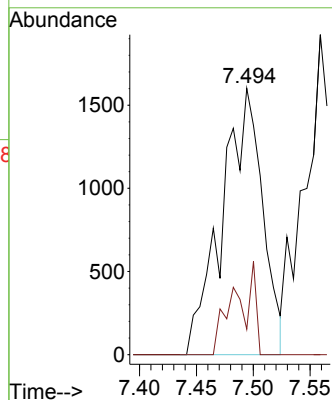


#25
2-Butanone
Concen: 2.216 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

Instrument :
MSVOA_N
ClientSampleId :

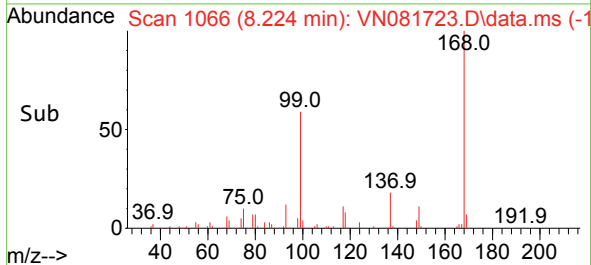
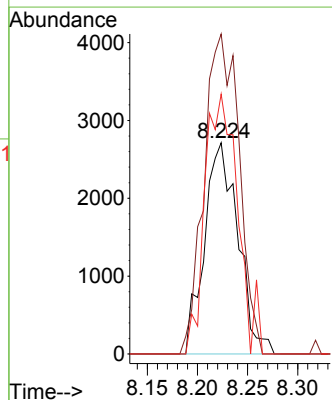
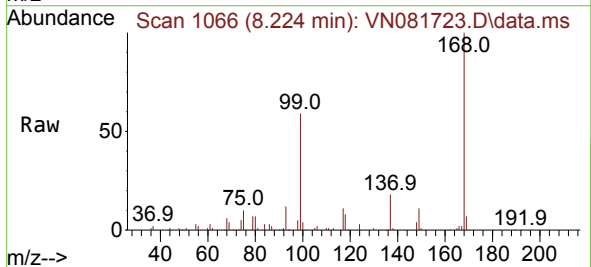


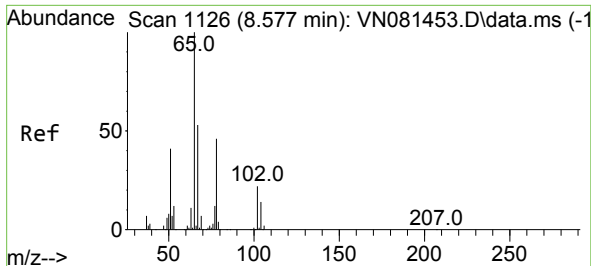
Tgt Ion: 43 Resp: 3976
Ion Ratio Lower Upper
43 100
72 9.6 19.5 29.3#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

Tgt Ion: 56 Resp: 6323
Ion Ratio Lower Upper
56 100
69 151.5 20.1 30.1#
84 123.0 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 60.184 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

Instrument :

MSVOA_N

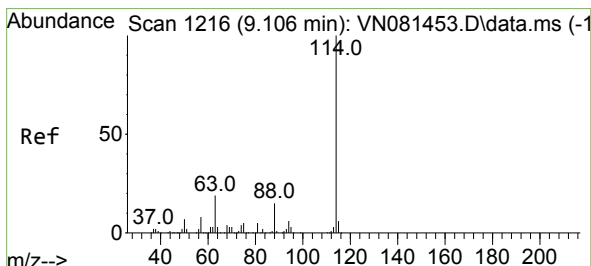
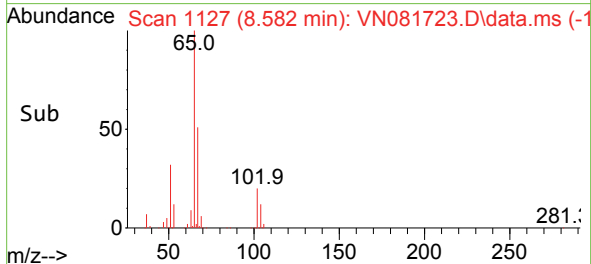
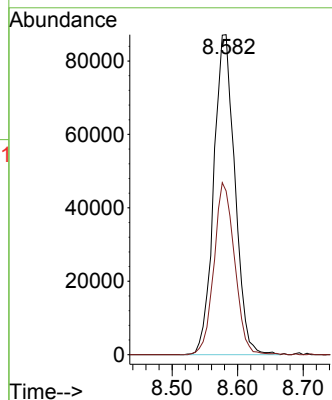
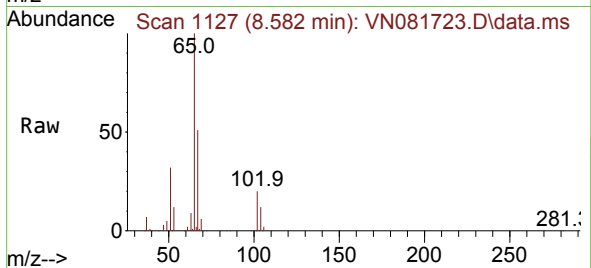
ClientSampleId :

Tgt Ion: 65 Resp: 194764

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

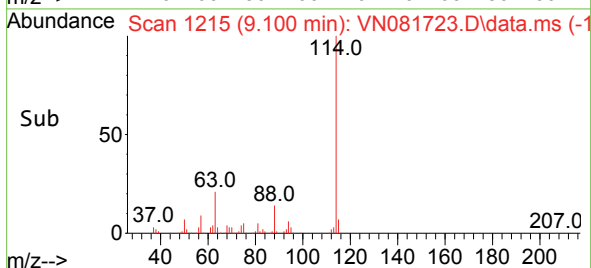
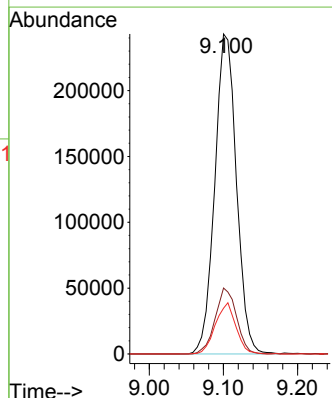
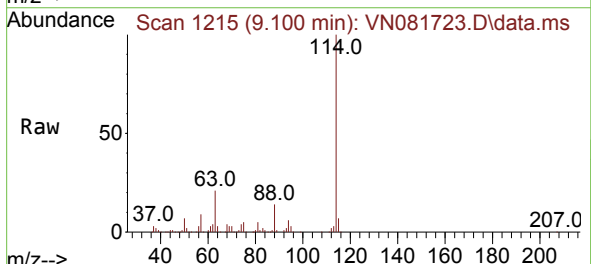
Tgt Ion: 114 Resp: 493429

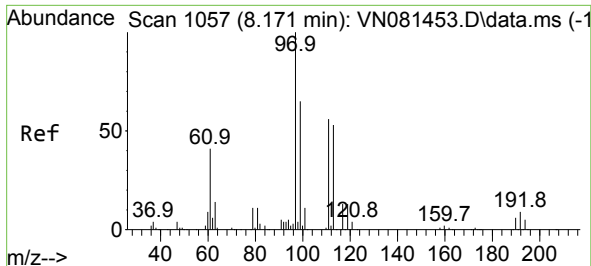
Ion Ratio Lower Upper

114 100

63 20.6 0.0 48.0

88 14.3 0.0 34.8

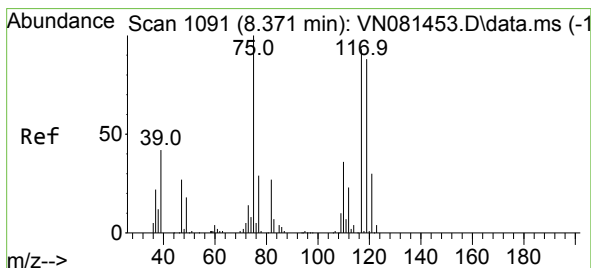
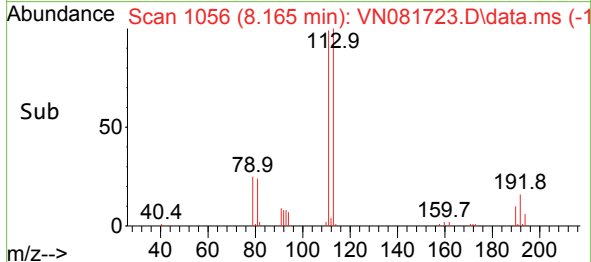
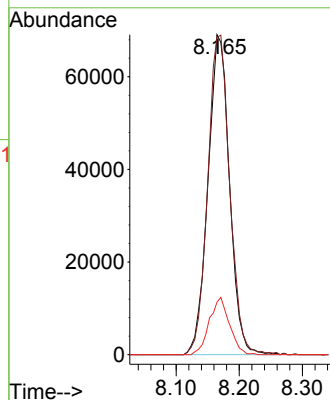
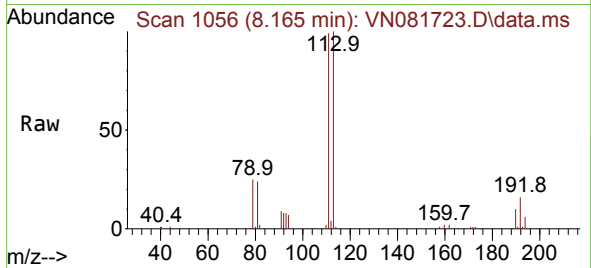




#35
Dibromofluoromethane
Concen: 52.609 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

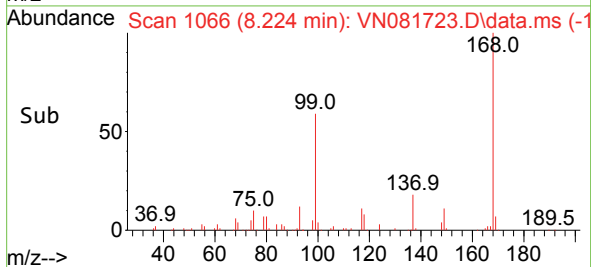
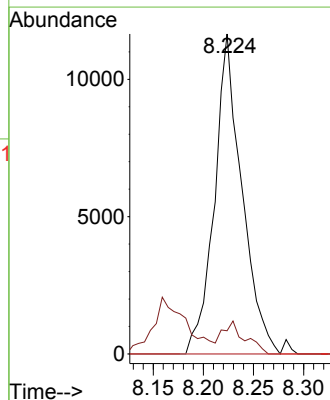
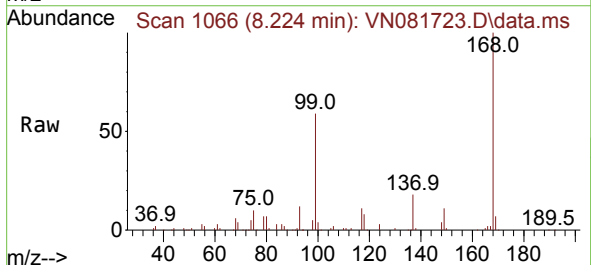
Instrument :
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ClientSampleId :

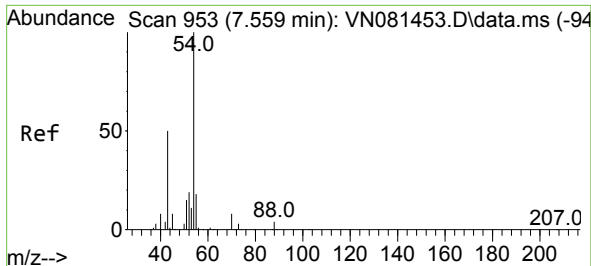
Tgt Ion:113 Resp: 163827
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 16.7 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.223 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

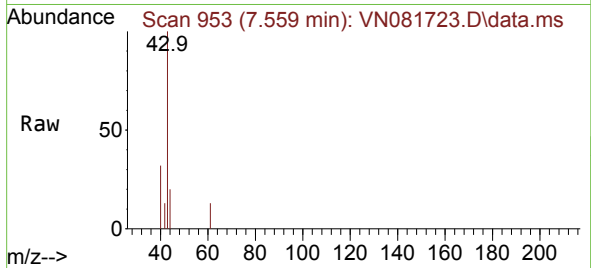
Tgt Ion: 75 Resp: 22130
Ion Ratio Lower Upper
75 100
110 8.3 16.0 48.0#
77 0.0 25.8 38.6#



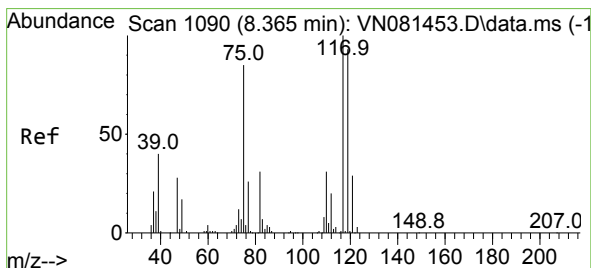
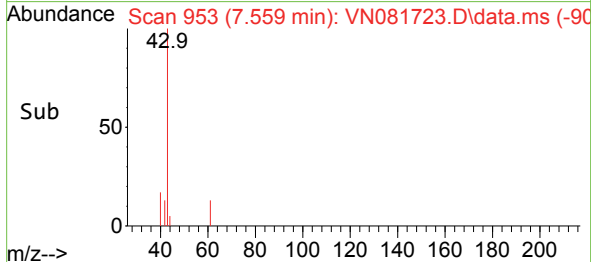
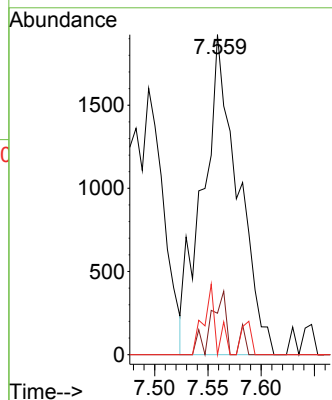


#37
Ethyl Acetate
Concen: 0.986 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

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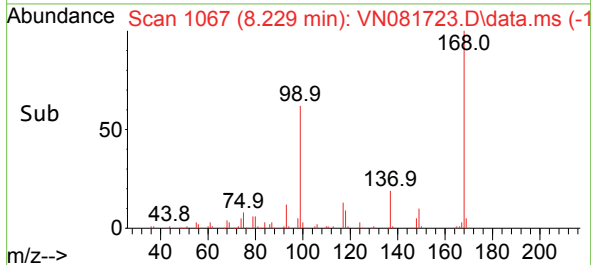
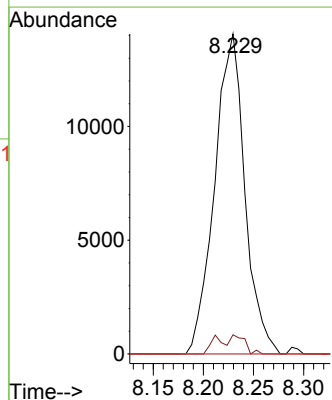
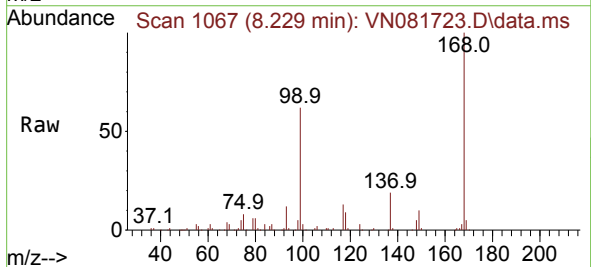


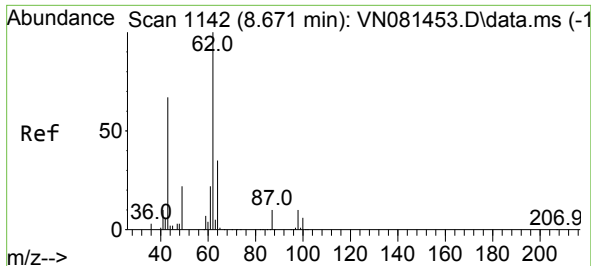
Tgt Ion: 43 Resp: 4424
Ion Ratio Lower Upper
43 100
61 8.4 10.6 15.8#
70 8.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.146 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

Tgt Ion: 117 Resp: 29543
Ion Ratio Lower Upper
117 100
119 6.0 73.4 110.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.318 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

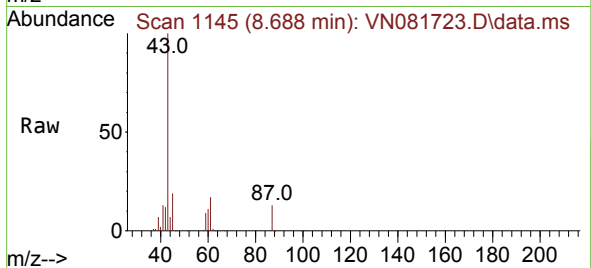
Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

Instrument :

MSVOA_N

ClientSampleId :

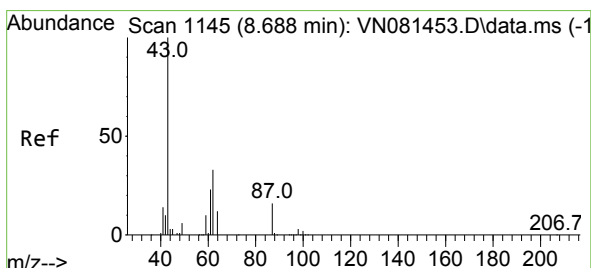
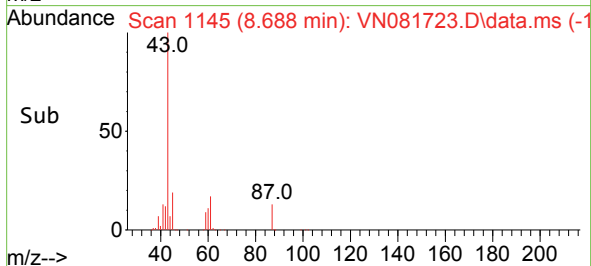
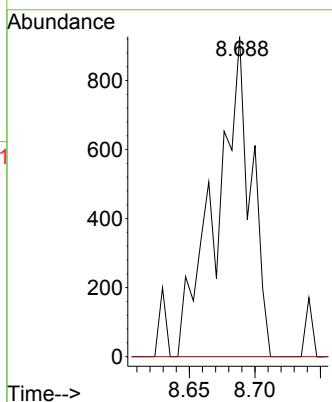


Tgt Ion: 62 Resp: 1712

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 49.324 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

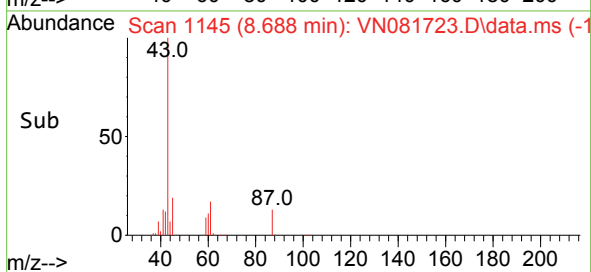
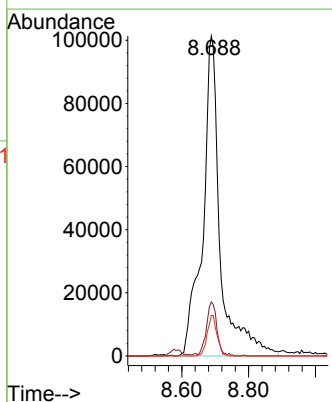
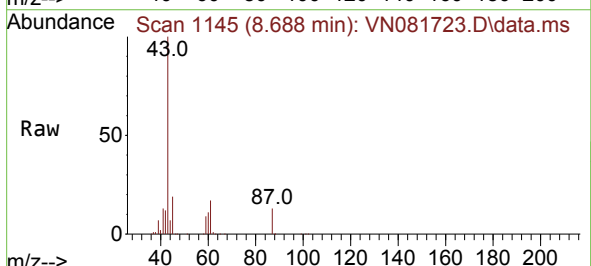
Tgt Ion: 43 Resp: 366891

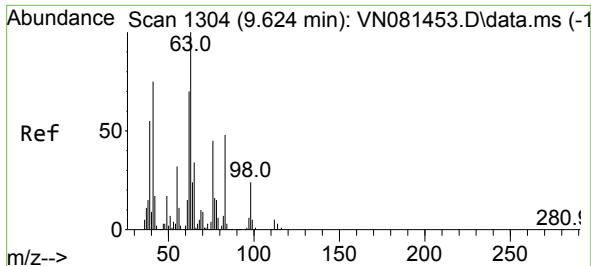
Ion Ratio Lower Upper

43 100

61 10.3 19.9 29.9#

87 7.1 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 0.696 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

Instrument :

MSVOA_N

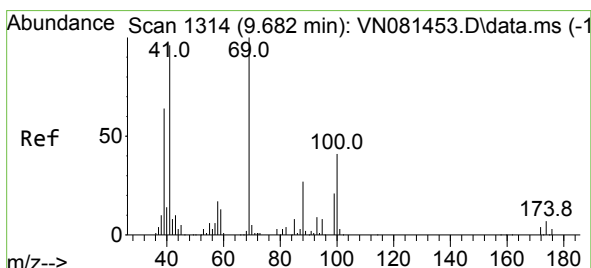
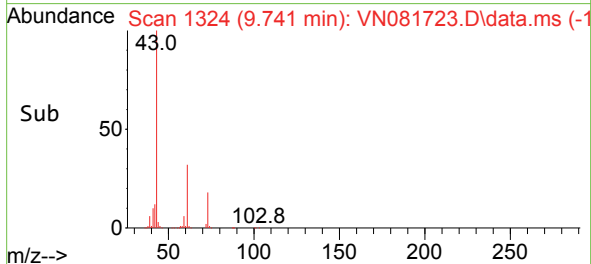
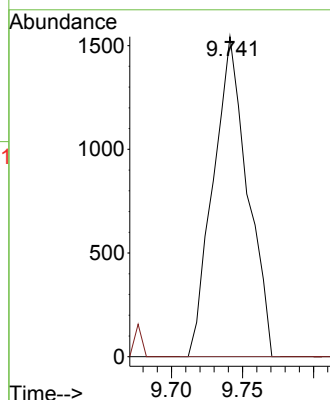
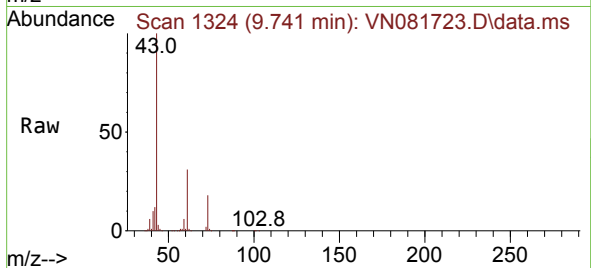
ClientSampleId :

Tgt Ion: 63 Resp: 2583

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.557 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

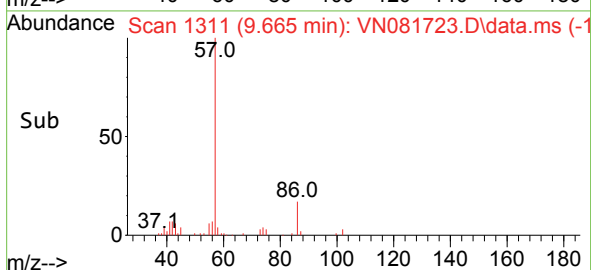
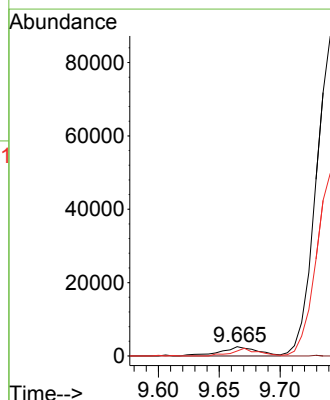
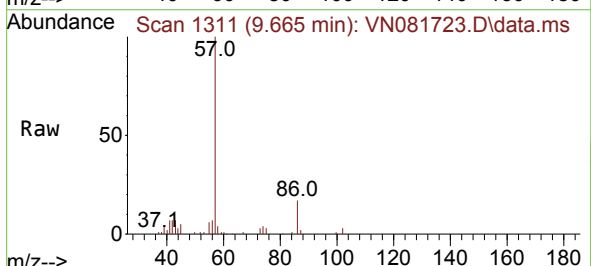
Tgt Ion: 41 Resp: 5341

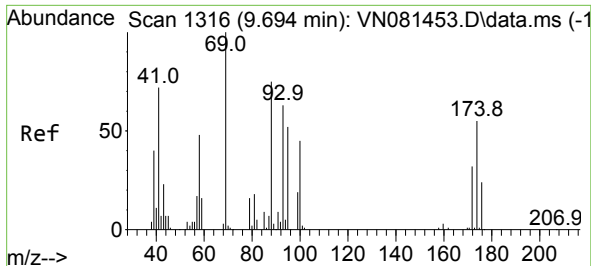
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 57.1 47.6 71.4





#49

1,4-Dioxane

Concen: 0.716 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

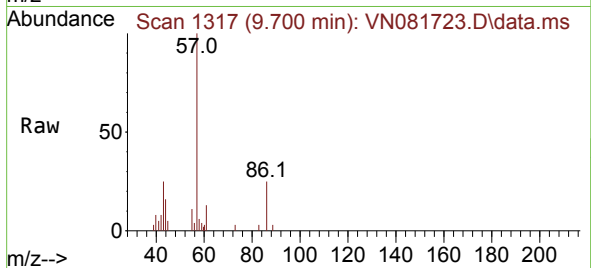
Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

Instrument :

MSVOA_N

ClientSampleId :



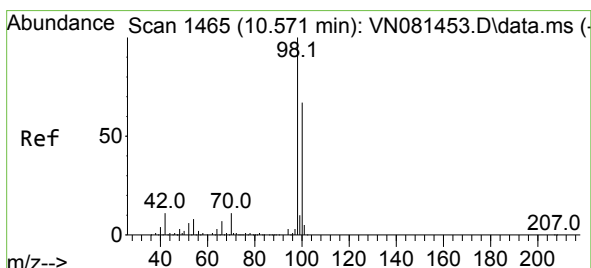
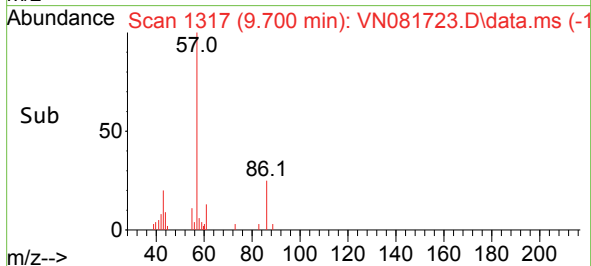
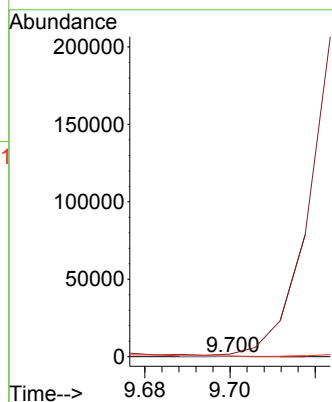
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 57.096 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081723.D

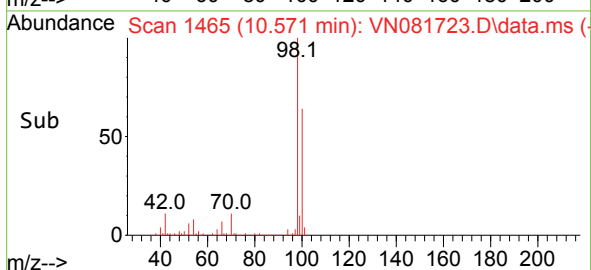
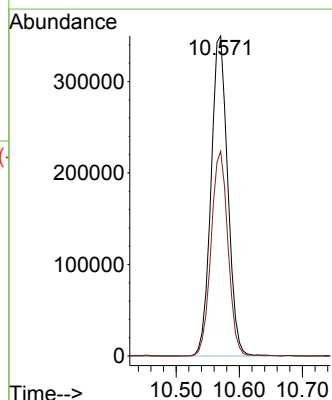
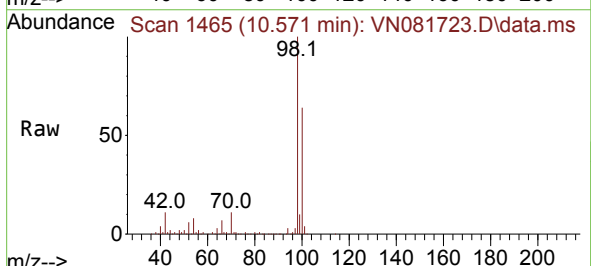
Acq: 12 Apr 2024 17:19

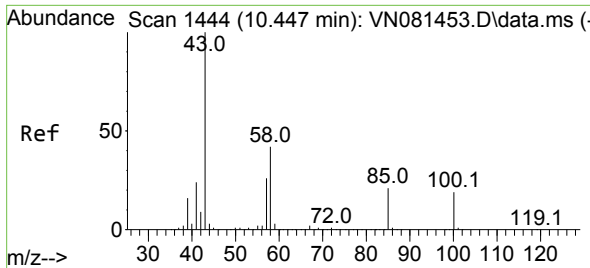
Tgt Ion: 98 Resp: 642721

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0

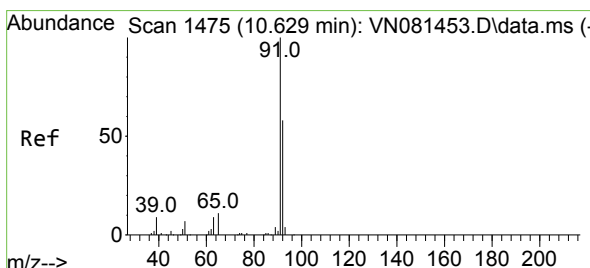
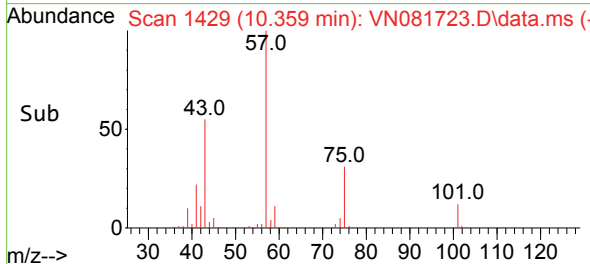
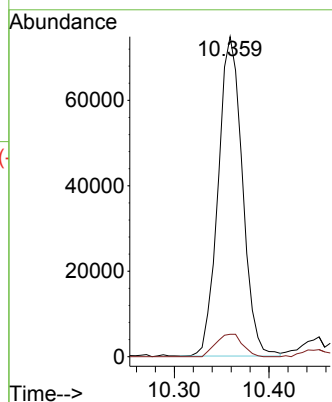
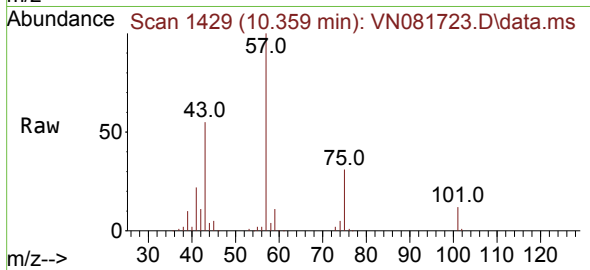




#51
4-Methyl-2-Pentanone
Concen: 29.292 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

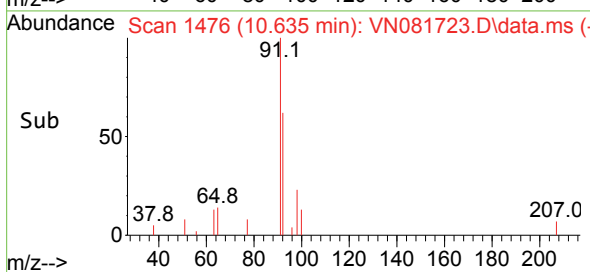
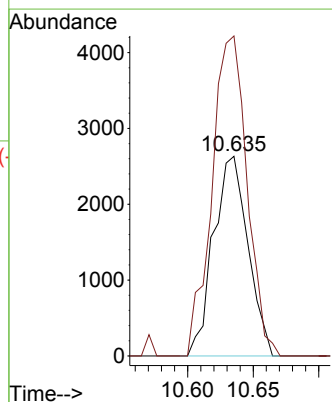
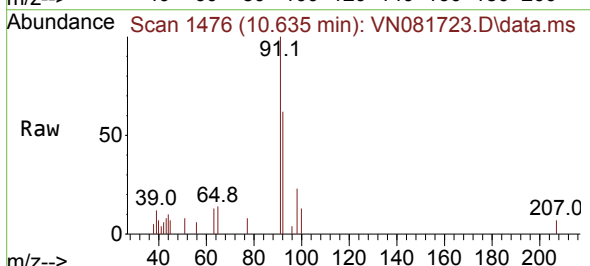
Instrument :
MSVOA_N
ClientSampleId :

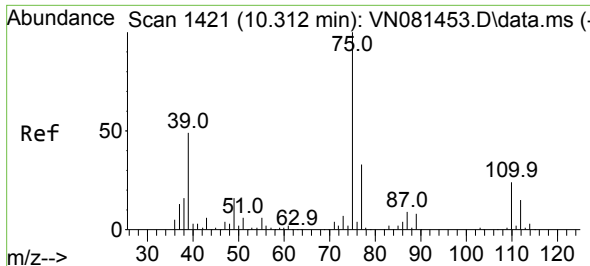
Tgt Ion: 43 Resp: 132953
Ion Ratio Lower Upper
43 100
58 7.7 29.4 44.0#



#52
Toluene
Concen: 0.494 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081723.D
Acq: 12 Apr 2024 17:19

Tgt Ion: 92 Resp: 4806
Ion Ratio Lower Upper
92 100
91 163.7 139.4 209.0

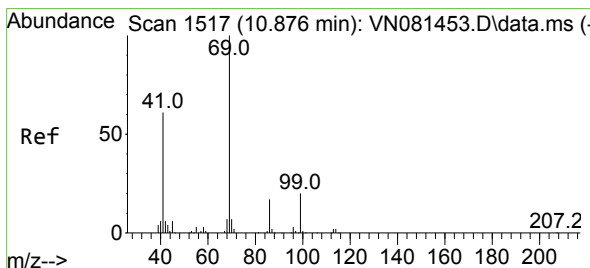
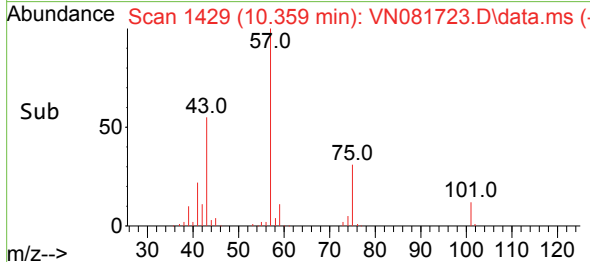
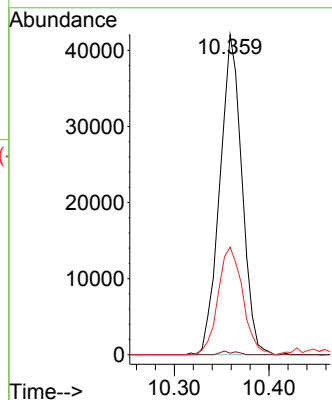
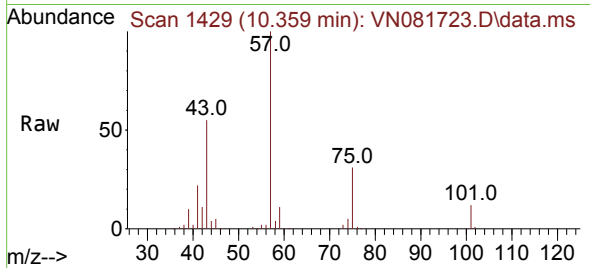




#54
 cis-1,3-Dichloropropene
 Concen: 10.694 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081723.D
 Acq: 12 Apr 2024 17:19

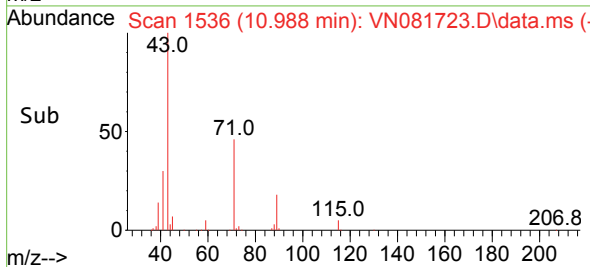
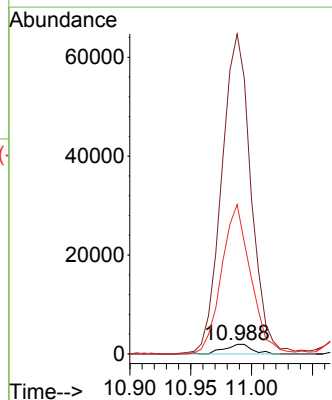
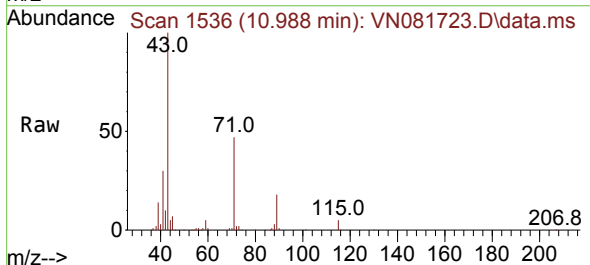
Instrument :
 MSVOA_N
 ClientSampleId :

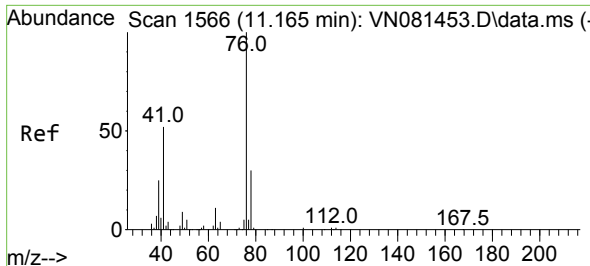
Tgt Ion: 75 Resp: 68258
 Ion Ratio Lower Upper
 75 100
 77 0.4 23.3 34.9#
 39 33.2 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 1.152 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN081723.D
 Acq: 12 Apr 2024 17:19

Tgt Ion: 69 Resp: 3094
 Ion Ratio Lower Upper
 69 100
 41 3524.6 61.0 91.6#
 39 1632.5 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.488 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

Instrument :

MSVOA_N

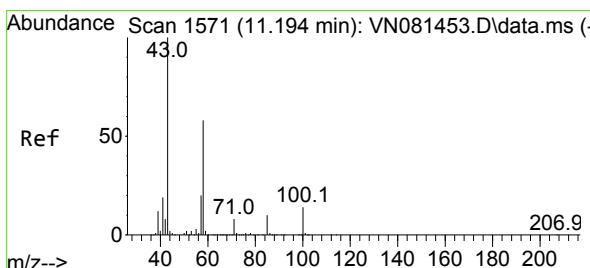
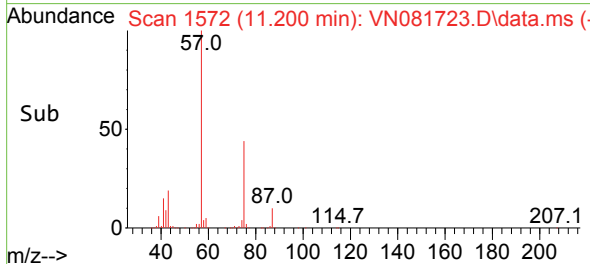
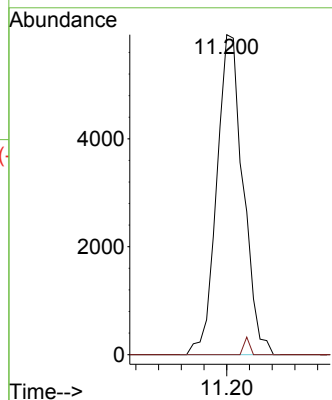
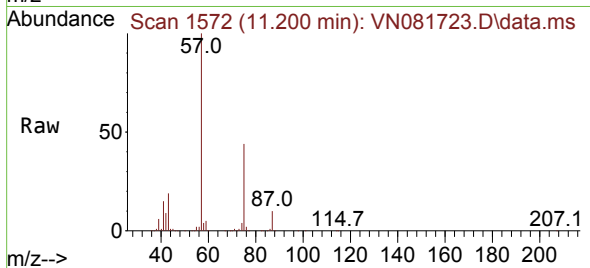
ClientSampleId :

Tgt Ion: 76 Resp: 9562

Ion Ratio Lower Upper

76 100

78 1.2 25.5 38.3#



#59

2-Hexanone

Concen: 44.868 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.018 min

Lab File: VN081723.D

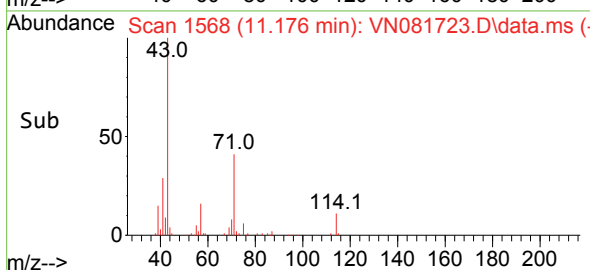
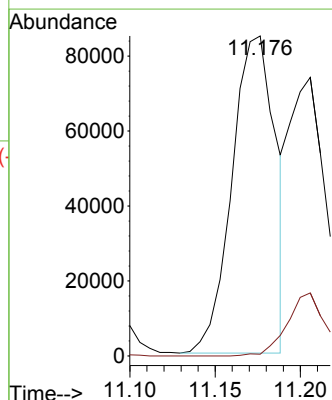
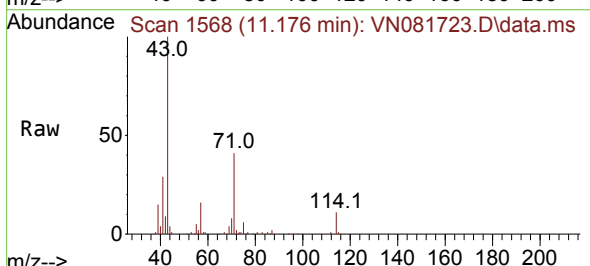
Acq: 12 Apr 2024 17:19

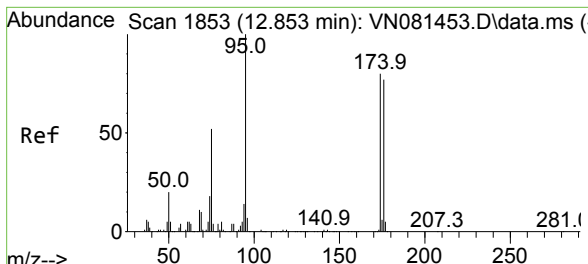
Tgt Ion: 43 Resp: 150569

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

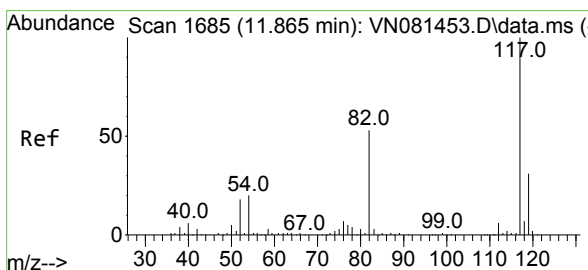
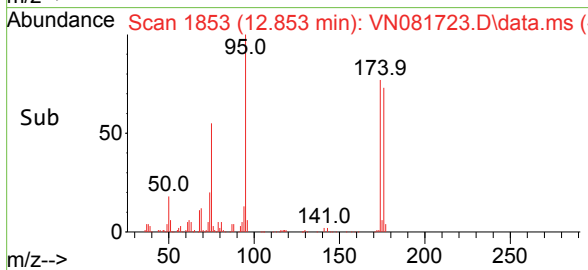
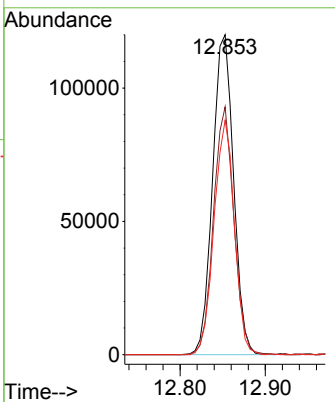
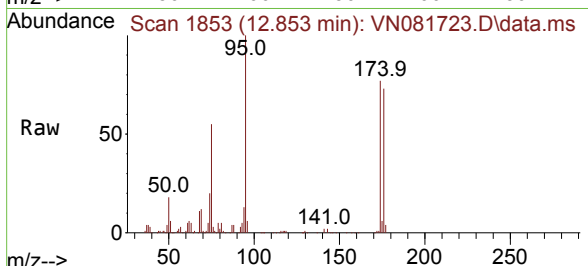




#62
 4-Bromofluorobenzene
 Concen: 51.655 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081723.D
 Acq: 12 Apr 2024 17:19

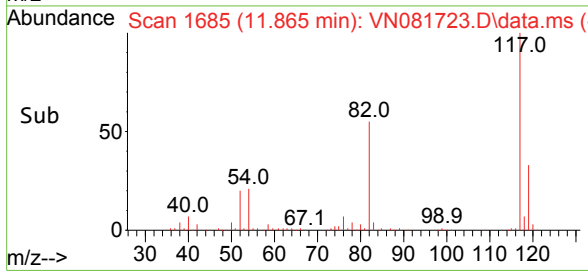
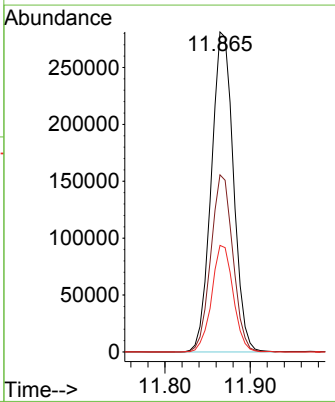
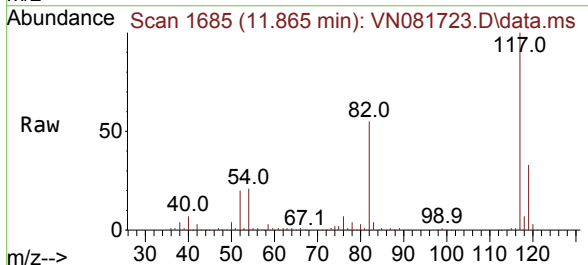
Instrument :
 MSVOA_N
 ClientSampleId :

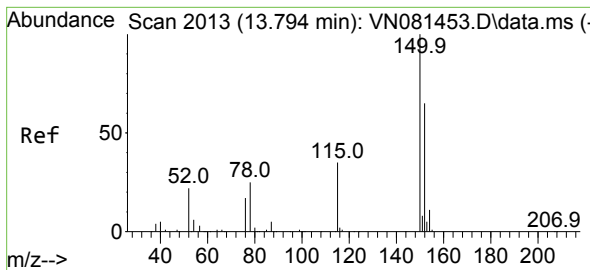
Tgt Ion:	95	Resp:	204888
Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	120.4
176	71.2	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081723.D
 Acq: 12 Apr 2024 17:19

Tgt Ion:	117	Resp:	507328
Ion	Ratio	Lower	Upper
117	100		
82	55.4	52.7	79.1
119	33.3	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

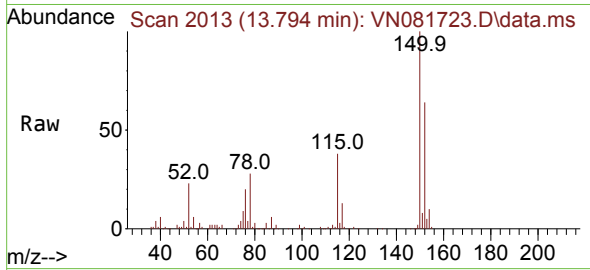
Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

Instrument :

MSVOA_N

ClientSampleId :



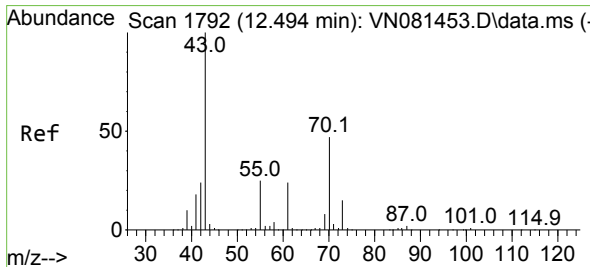
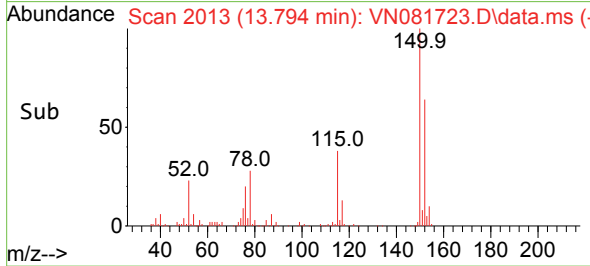
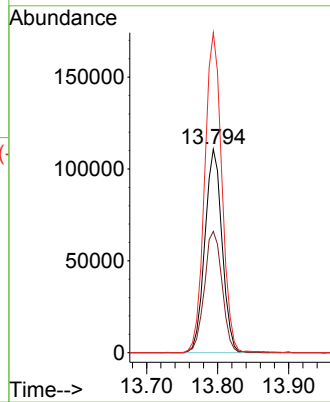
Tgt Ion:152 Resp: 186524

Ion Ratio Lower Upper

152 100

115 61.5 32.3 96.8

150 157.5 0.0 339.8



#74

N-ethyl acetate

Concen: 0.231 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN081723.D

Acq: 12 Apr 2024 17:19

Tgt Ion: 43 Resp: 1330

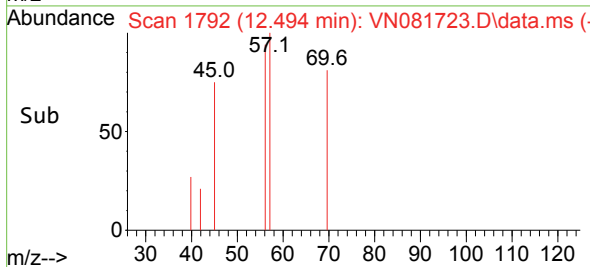
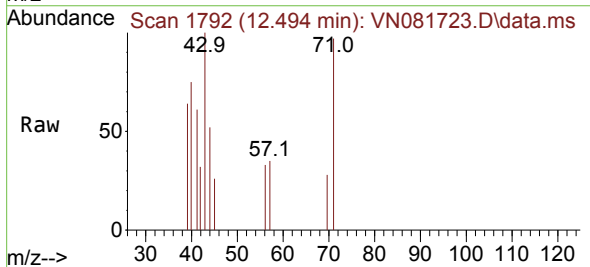
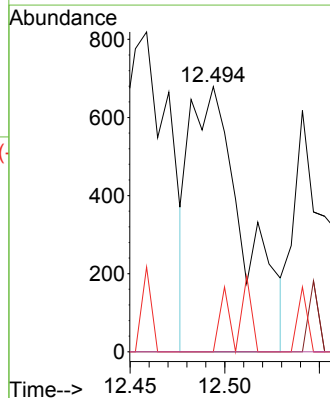
Ion Ratio Lower Upper

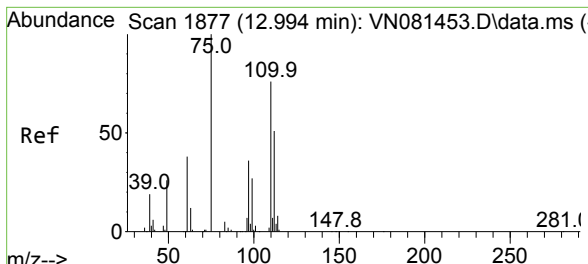
43 100

70 0.0 30.1 45.1#

55 0.0 17.0 25.4#

61 0.0 17.5 26.3#

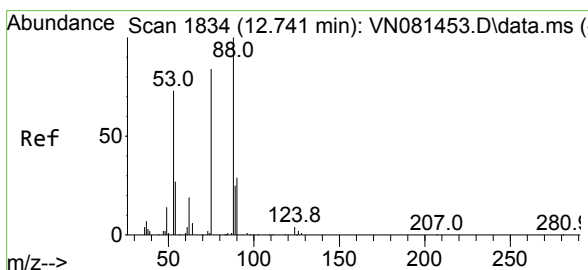
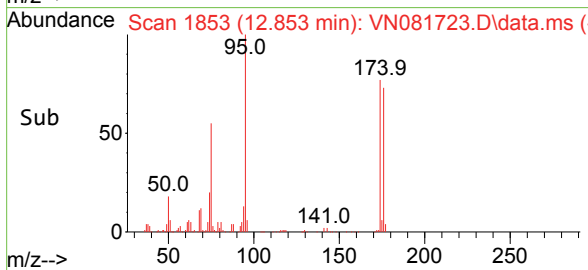
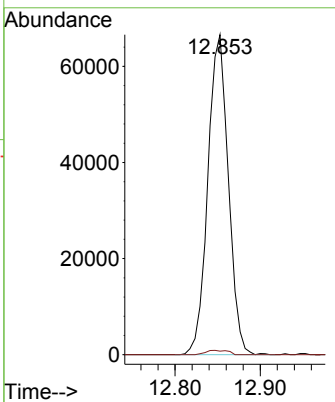
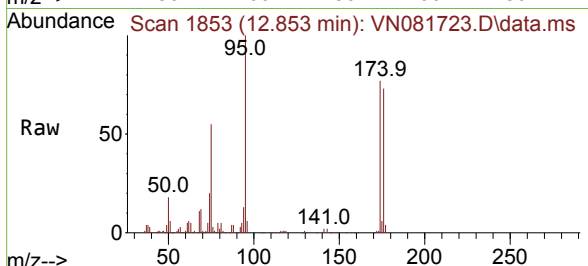




#76
 1,2,3-Trichloropropane
 Concen: 24.881 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081723.D
 Acq: 12 Apr 2024 17:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 111012
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.236 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN081723.D
 Acq: 12 Apr 2024 17:19

Tgt Ion: 75 Resp: 111012
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.4 107.2#
 89 0.1 33.4 50.0#

