

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
 Data File : VN081720.D
 Acq On : 12 Apr 2024 16:08
 Operator : JC\MD
 Sample : PB160181ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 06:58:04 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)

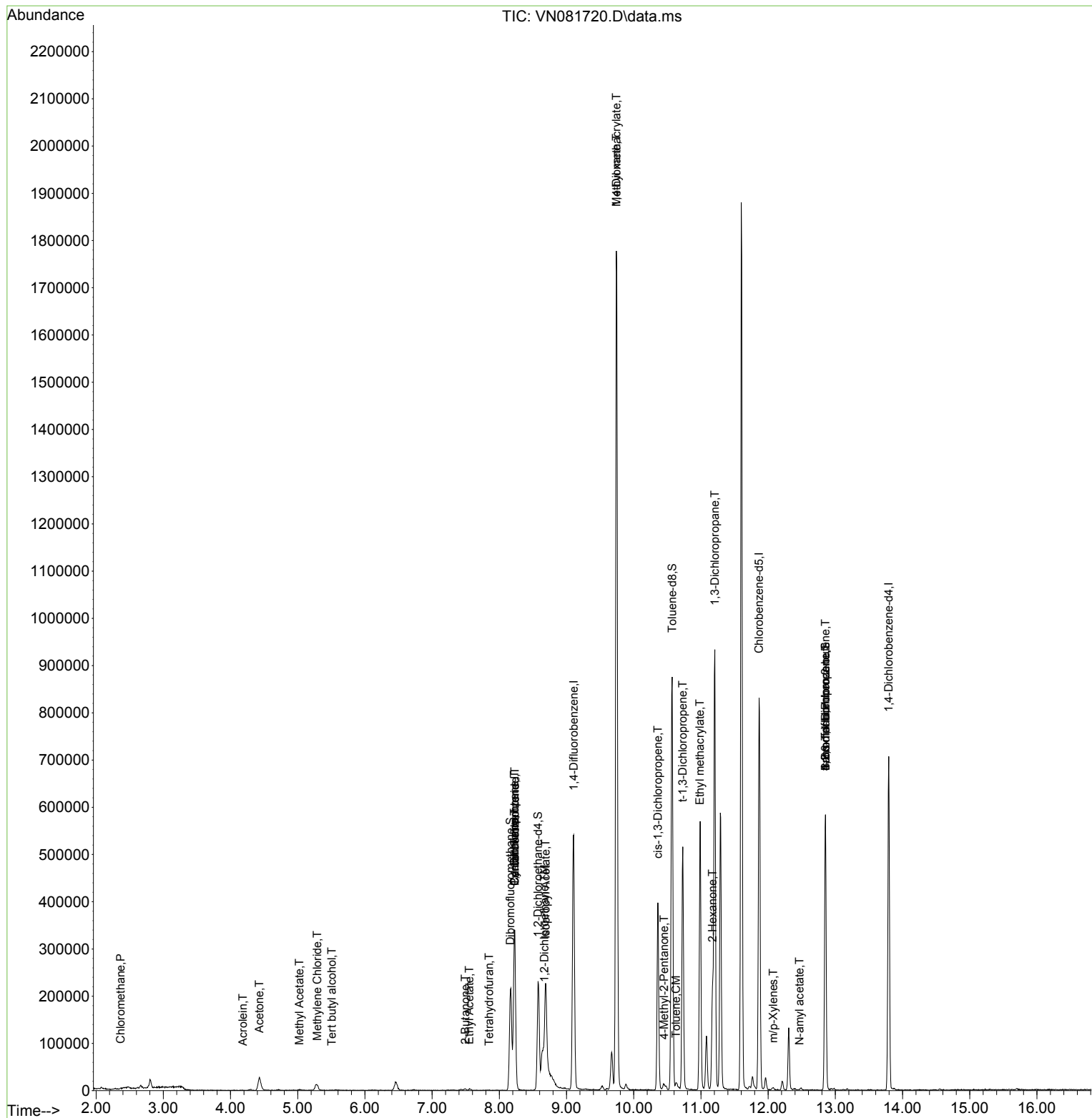
Internal Standards						
1) Pentafluorobenzene	8.230	168	244503	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	472906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	487211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	188307	60.392	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.780%	
35) Dibromofluoromethane	8.165	113	154460	51.754	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.500%	
50) Toluene-d8	10.571	98	605455	56.120	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.240%	
62) 4-Bromofluorobenzene	12.853	95	199461	52.469	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 104.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	737	0.225	ug/l	# 43
11) Tert butyl alcohol	5.506	59	516	0.950	ug/l	100
13) Acrolein	4.183	56	198	0.406	ug/l	# 51
16) Acetone	4.430	43	50943	50.555	ug/l	98
18) Methyl Acetate	5.024	43	3220	1.036	ug/l	# 82
20) Methylene Chloride	5.289	84	10519	3.187	ug/l	# 77
25) 2-Butanone	7.494	43	4619	2.672	ug/l	# 37
29) Tetrahydrofuran	7.847	42	287	0.246	ug/l	# 79
31) Cyclohexane	8.224	56	7419	1.462	ug/l	# 36
36) 1,1-Dichloropropene	8.224	75	21766	4.334	ug/l	# 50
37) Ethyl Acetate	7.553	43	1731	0.402	ug/l	# 64
38) Carbon Tetrachloride	8.230	117	26759	4.863	ug/l	# 20
42) 1,2-Dichloroethane	8.671	62	1426	0.276	ug/l	# 75
43) Isopropyl Acetate	8.688	43	387746	54.389	ug/l	# 77
48) Methyl methacrylate	9.741	41	163094	49.599	ug/l	# 48
49) 1,4-Dioxane	9.741	88	341	4.315	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.453	43	13079	3.007	ug/l	# 84
52) Toluene	10.630	92	5674	0.608	ug/l	95
53) t-1,3-Dichloropropene	10.730	75	1409	0.247	ug/l	100
54) cis-1,3-Dichloropropene	10.359	75	68560	11.207	ug/l	# 68
56) Ethyl methacrylate	10.982	69	3136	1.186	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	9412	1.529	ug/l	# 43
59) 2-Hexanone	11.171	43	155396	48.316	ug/l	# 26
68) m/p-Xylenes	12.077	106	1977	0.264	ug/l	# 65
71) Bromoform	12.853	173	2206	0.688	ug/l	# 1
74) N-amyl acetate	12.465	43	1336	0.239	ug/l	# 61
76) 1,2,3-Trichloropropane	12.853	75	105040	24.211	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	105040	65.425	ug/l	# 14

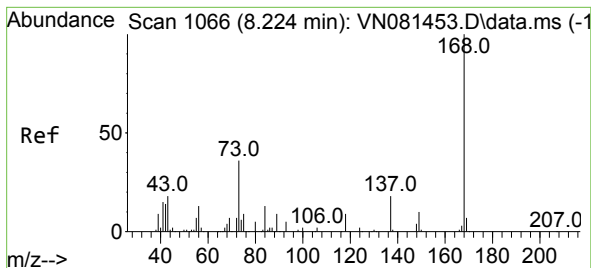
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041224\
Data File : VN081720.D
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Quant Time: Apr 13 06:58:04 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: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Instrument :

MSVOA_N

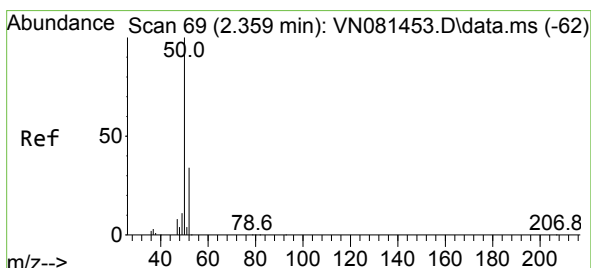
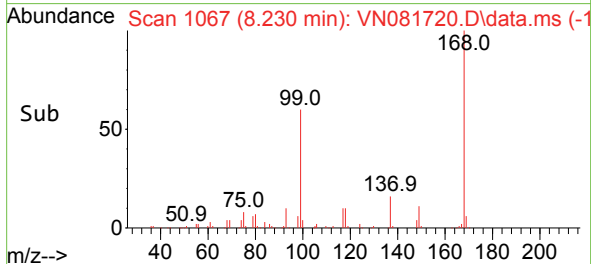
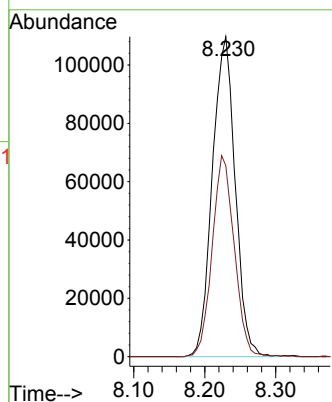
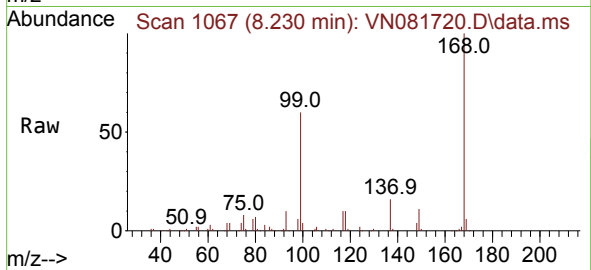
ClientSampleId :

Tgt Ion:168 Resp: 244503

Ion Ratio Lower Upper

168 100

99 59.7 59.9 89.9#



#3

Chloromethane

Concen: 0.225 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN081720.D

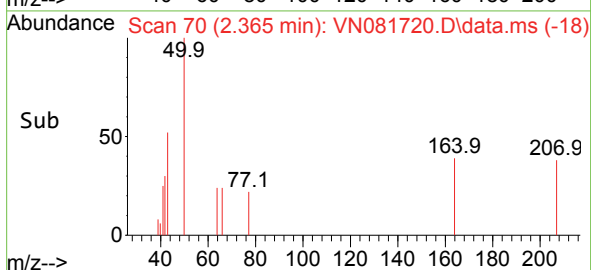
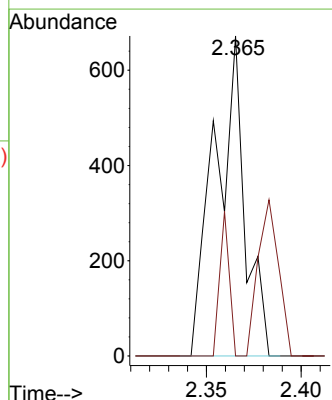
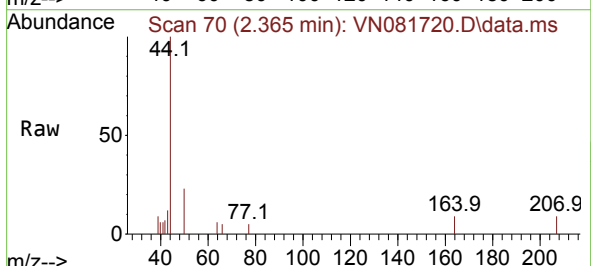
Acq: 12 Apr 2024 16:08

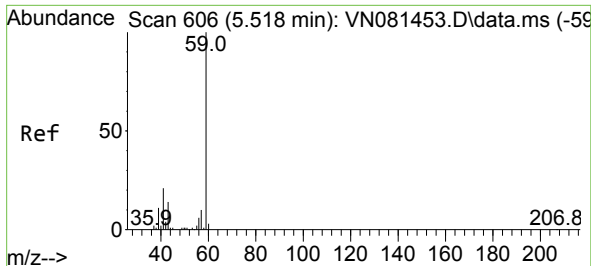
Tgt Ion: 50 Resp: 737

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: 0.950 ug/l

RT: 5.506 min Scan# 606

Delta R.T. -0.012 min

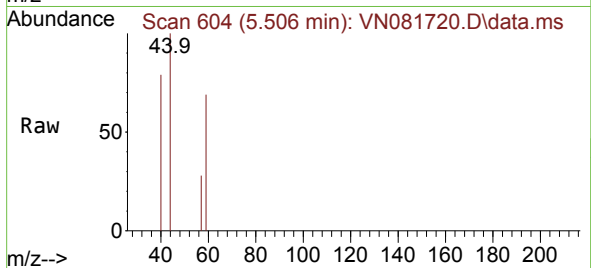
Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Instrument :

MSVOA_N

ClientSampleId :

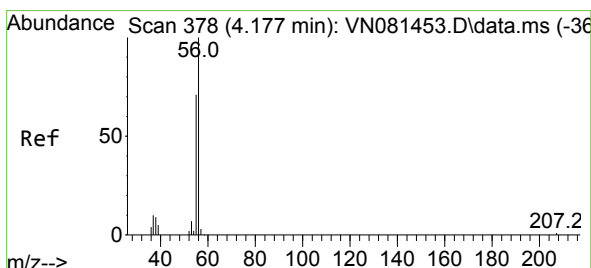
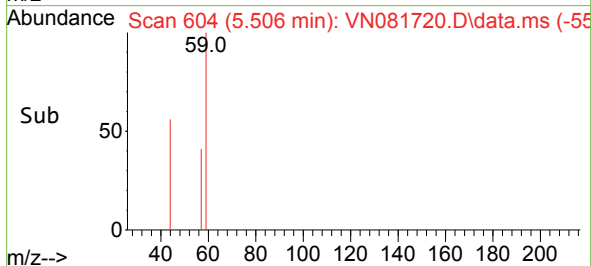
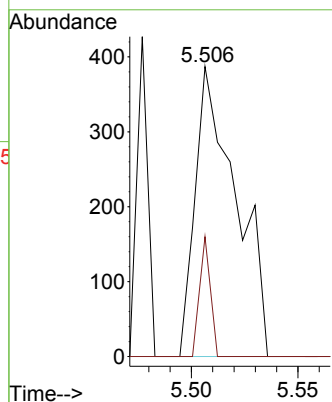


Tgt Ion: 59 Resp: 516

Ion Ratio Lower Upper

59 100

57 10.9 8.6 12.8



#13

Acrolein

Concen: 0.406 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN081720.D

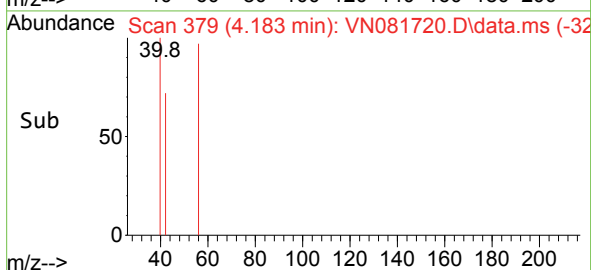
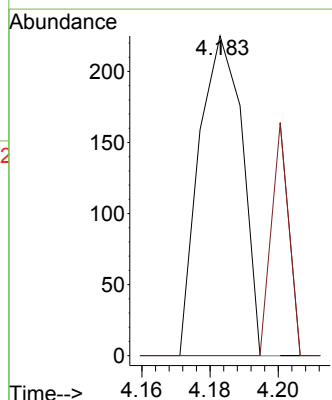
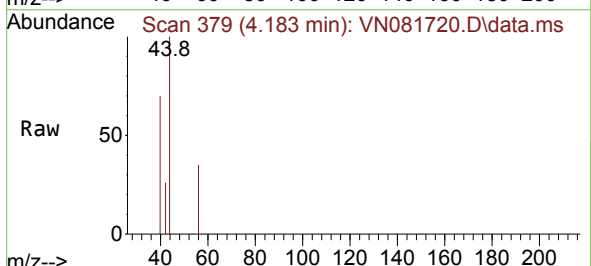
Acq: 12 Apr 2024 16:08

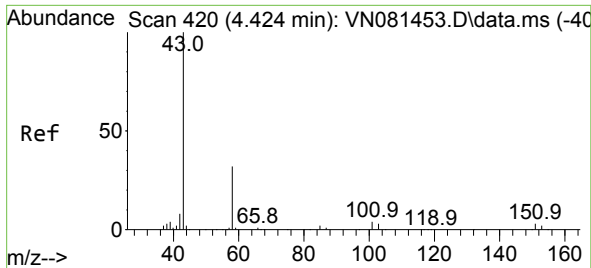
Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

55 29.3 55.3 82.9#





#16

Acetone

Concen: 50.555 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Instrument :

MSVOA_N

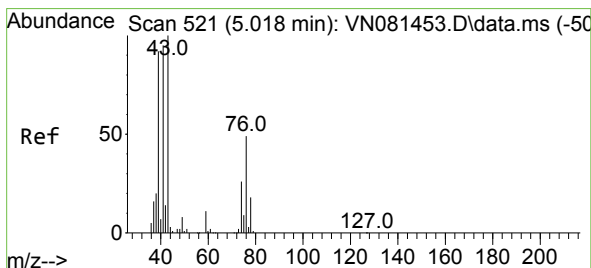
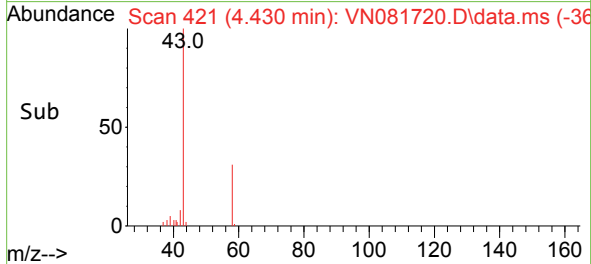
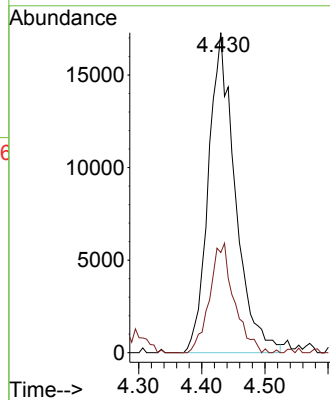
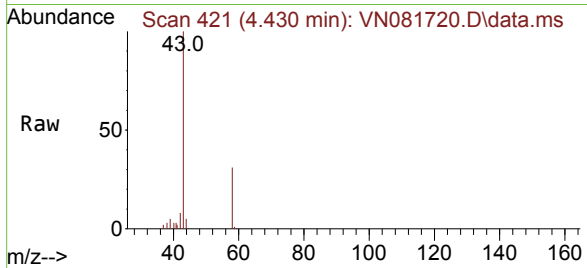
ClientSampleId :

Tgt Ion: 43 Resp: 50943

Ion Ratio Lower Upper

43 100

58 32.2 24.8 37.2



#18

Methyl Acetate

Concen: 1.036 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN081720.D

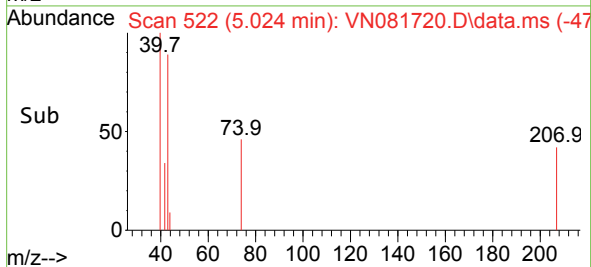
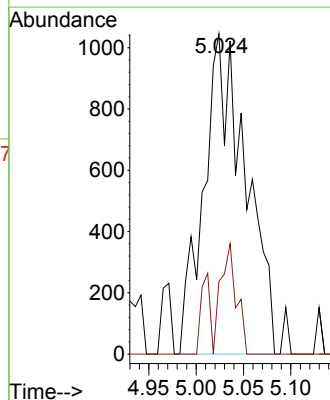
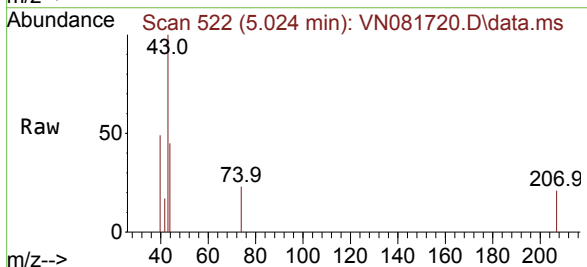
Acq: 12 Apr 2024 16:08

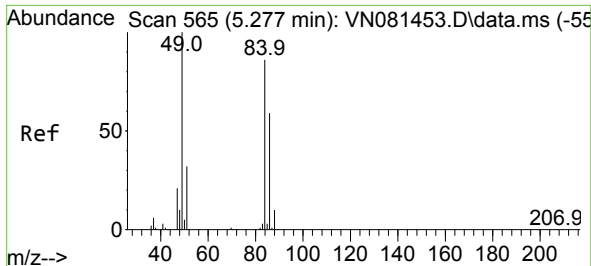
Tgt Ion: 43 Resp: 3220

Ion Ratio Lower Upper

43 100

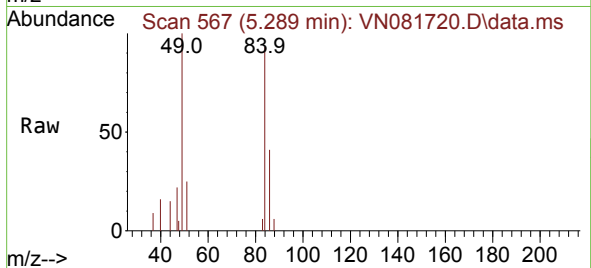
74 13.0 17.3 25.9#



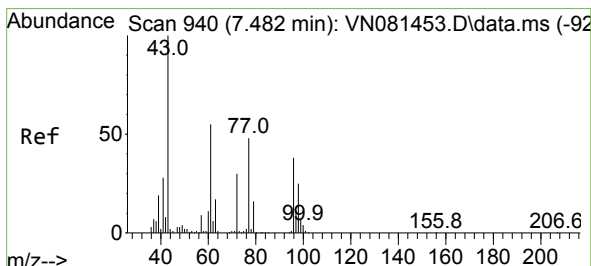
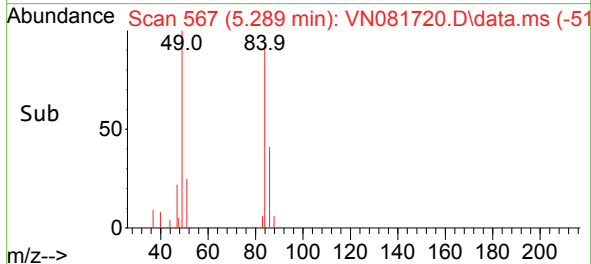
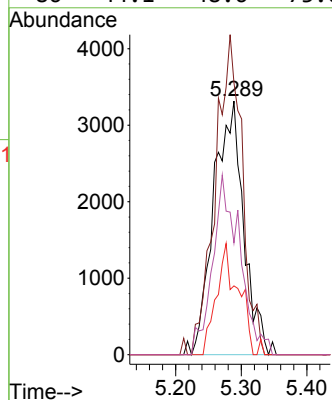


#20
Methylene Chloride
Concen: 3.187 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081720.D
Acq: 12 Apr 2024 16:08

Instrument :
MSVOA_N
ClientSampleId :

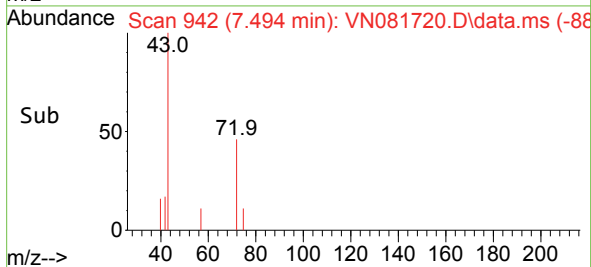
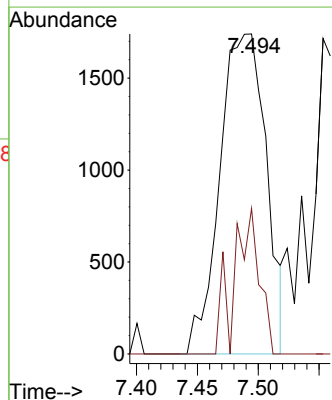
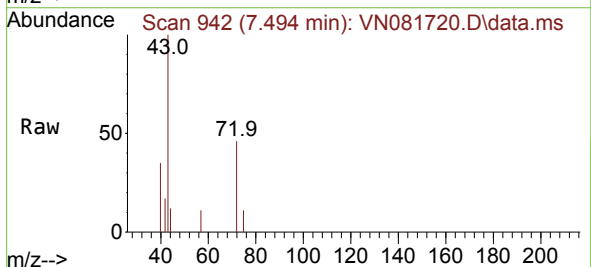


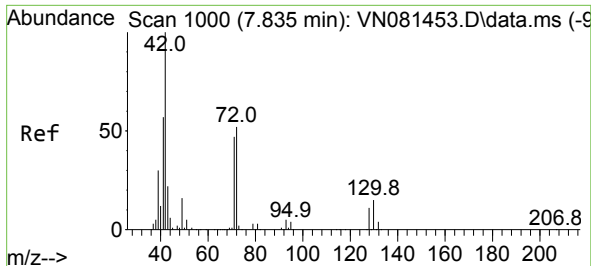
Tgt Ion: 84 Resp: 10519
Ion Ratio Lower Upper
84 100
49 107.2 108.1 162.1#
51 27.1 32.9 49.3#
86 44.1 48.6 73.0#



#25
2-Butanone
Concen: 2.672 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN081720.D
Acq: 12 Apr 2024 16:08

Tgt Ion: 43 Resp: 4619
Ion Ratio Lower Upper
43 100
72 55.7 19.5 29.3#





#29

Tetrahydrofuran

Concen: 0.246 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

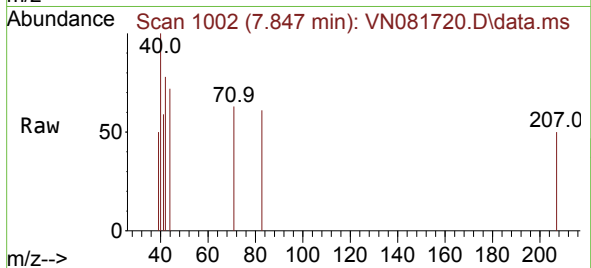
Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

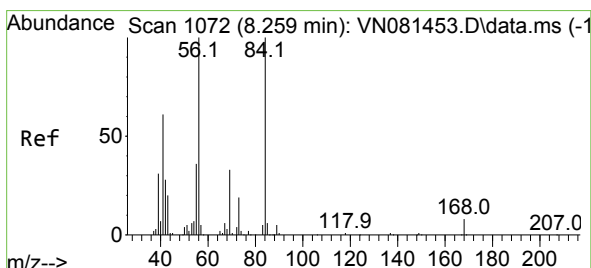
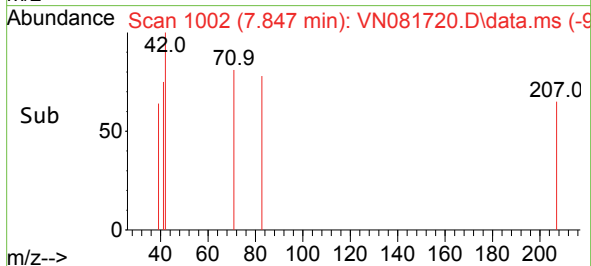
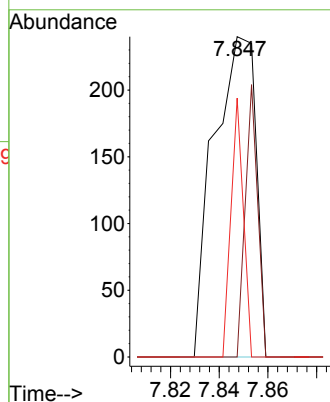
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	72	71	Resp:	287
Ion Ratio	100	25.1	23.7	Lower	Upper
		31.1	28.3	46.7#	42.5#



#31

Cyclohexane

Concen: 1.462 ug/l

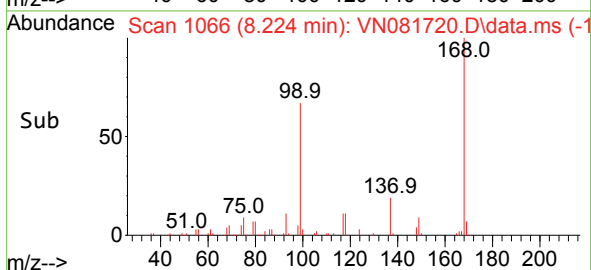
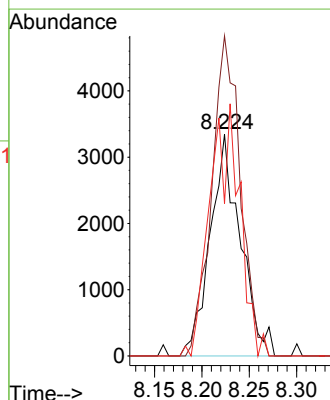
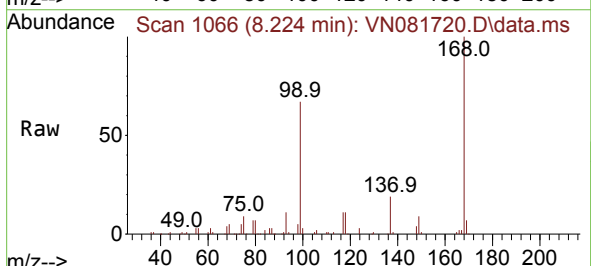
RT: 8.224 min Scan# 1066

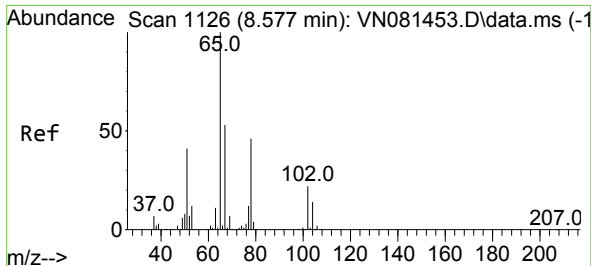
Delta R.T. -0.035 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Tgt Ion:	56	69	84	Resp:	7419
Ion Ratio	100	144.3	68.7	Lower	Upper
		20.1	56.9	30.1#	85.3





#33

1,2-Dichloroethane-d4

Concen: 60.392 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

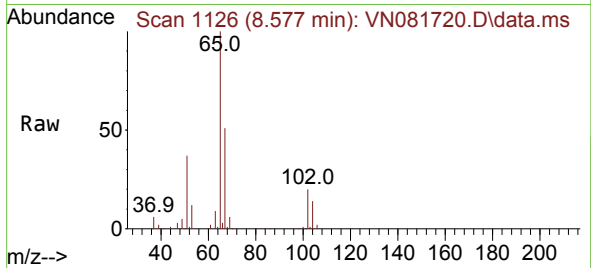
Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Instrument :

MSVOA_N

ClientSampleId :

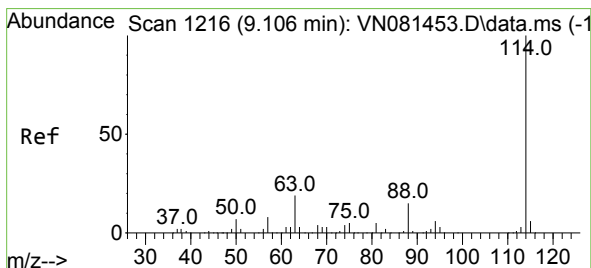
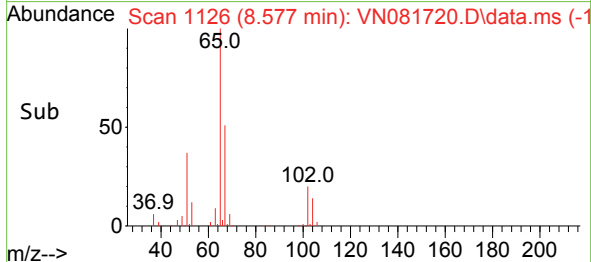
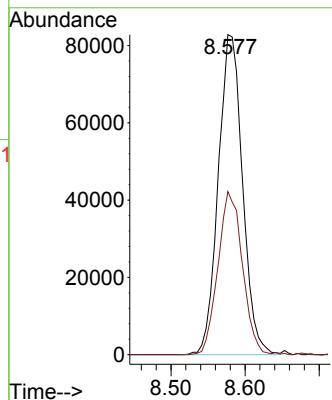


Tgt Ion: 65 Resp: 188307

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

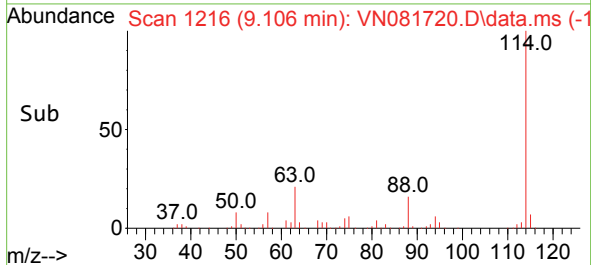
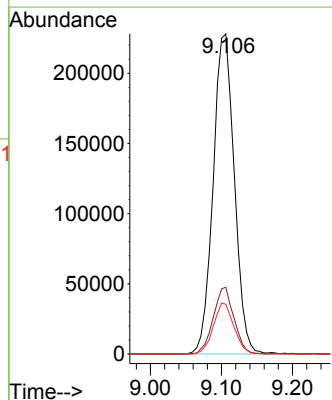
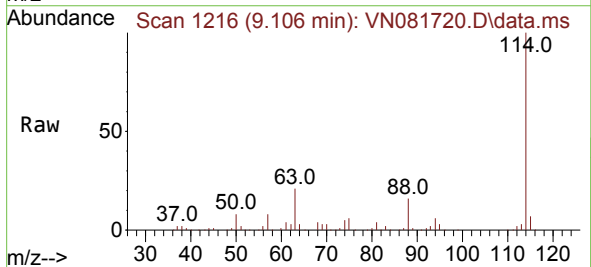
Tgt Ion: 114 Resp: 472906

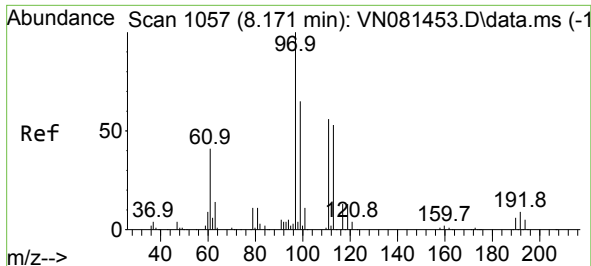
Ion Ratio Lower Upper

114 100

63 20.8 0.0 48.0

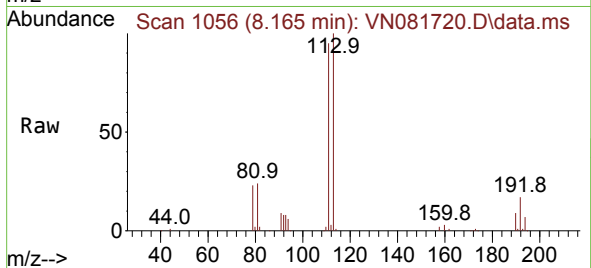
88 15.5 0.0 34.8



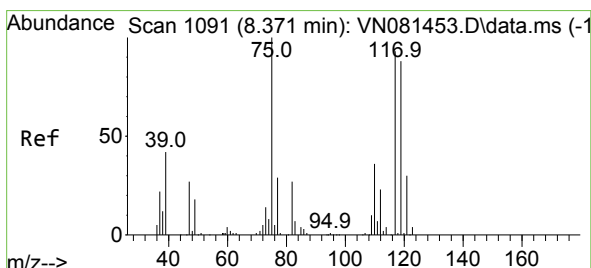
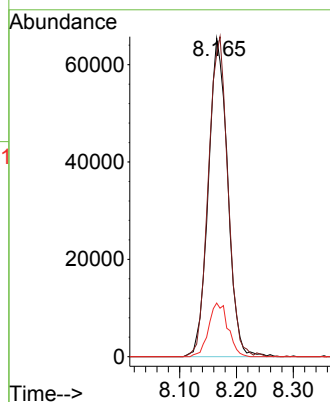
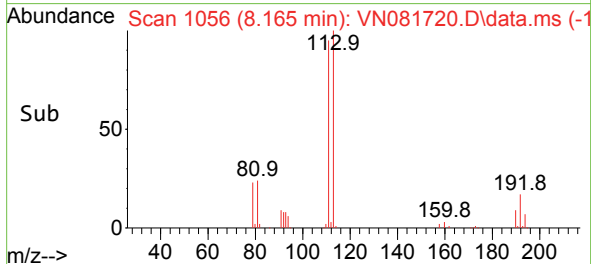


#35
 Dibromofluoromethane
 Concen: 51.754 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.006 min
 Lab File: VN081720.D
 Acq: 12 Apr 2024 16:08

Instrument :
 MSVOA_N
 ClientSampleId :

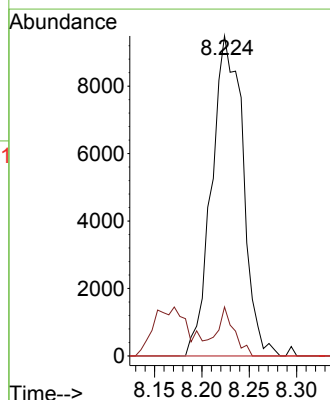
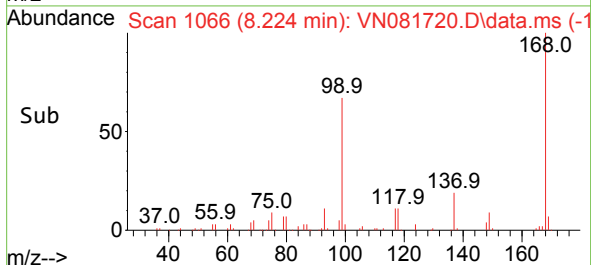
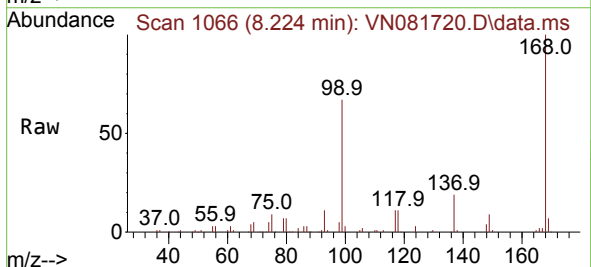


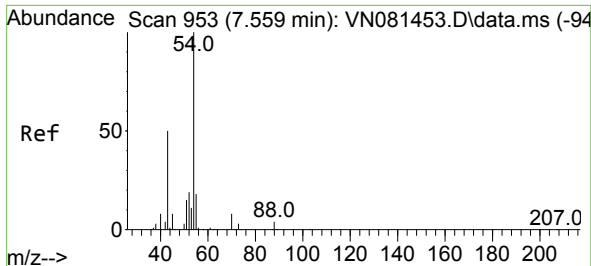
Tgt Ion:113 Resp: 154460
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.2 123.4
 192 16.9 12.5 18.7



#36
 1,1-Dichloropropene
 Concen: 4.334 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN081720.D
 Acq: 12 Apr 2024 16:08

Tgt Ion: 75 Resp: 21766
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.0 48.0#
 77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 0.402 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

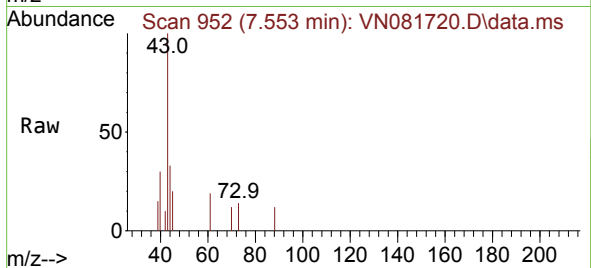
Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Instrument :

MSVOA_N

ClientSampleId :



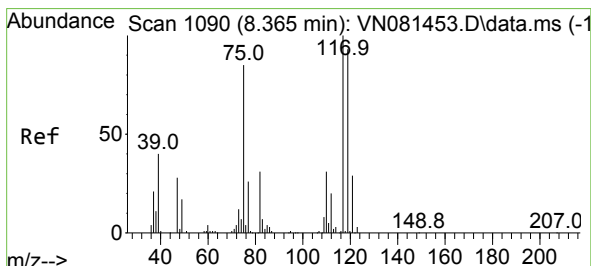
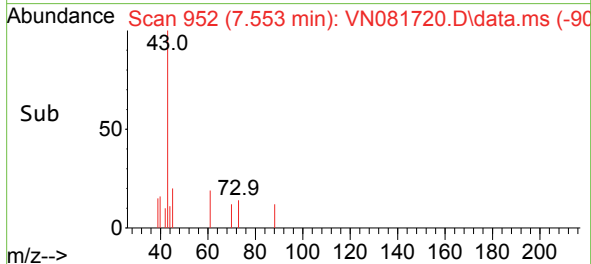
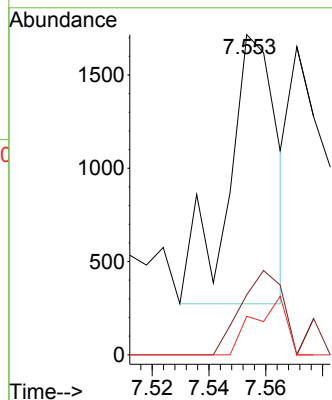
Tgt Ion: 43 Resp: 1731

Ion Ratio Lower Upper

43 100

61 34.8 10.6 15.8#

70 14.2 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 4.863 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

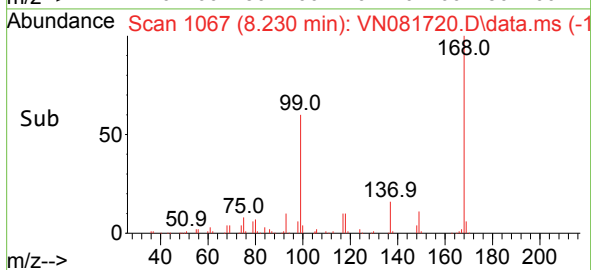
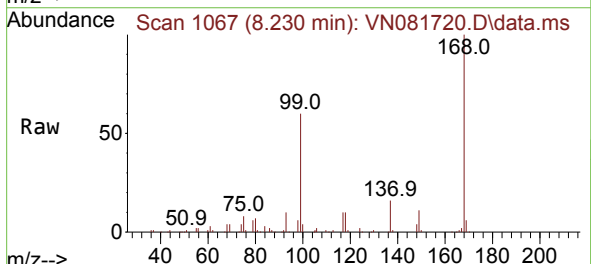
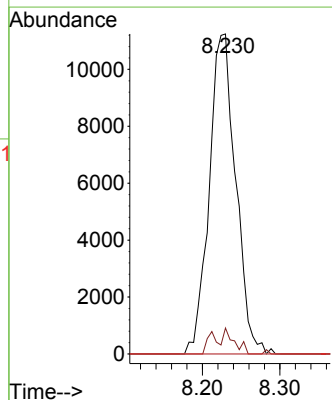
Tgt Ion: 117 Resp: 26759

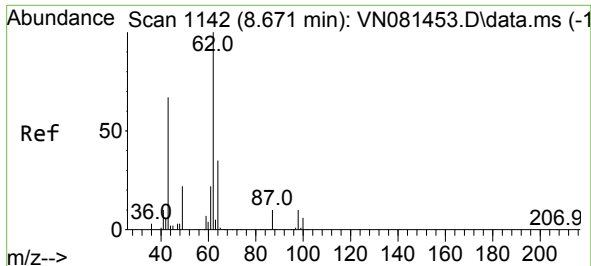
Ion Ratio Lower Upper

117 100

119 8.1 73.4 110.2#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.276 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Instrument :

MSVOA_N

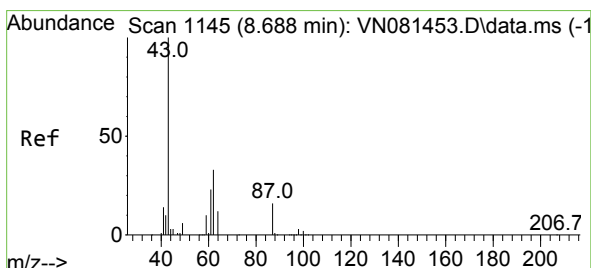
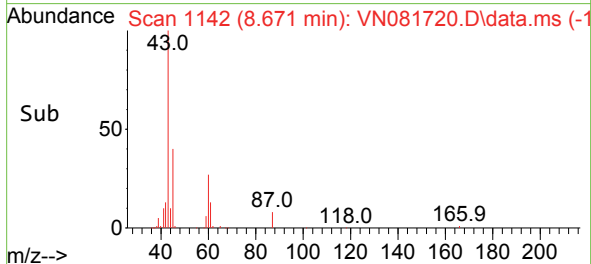
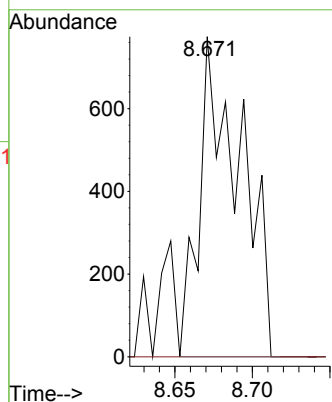
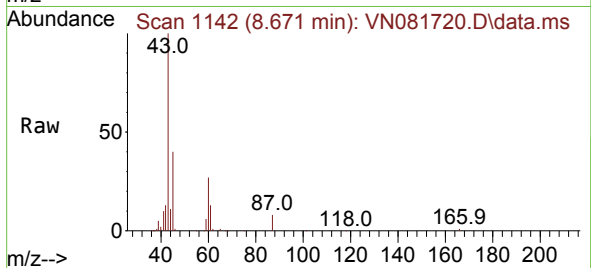
ClientSampleId :

Tgt Ion: 62 Resp: 1426

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 54.389 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

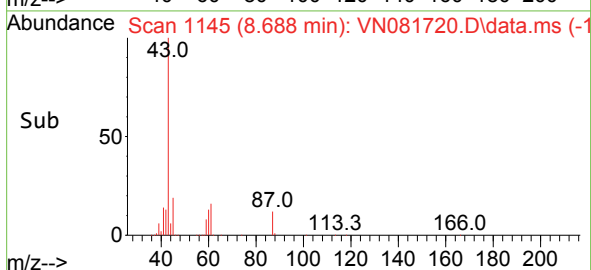
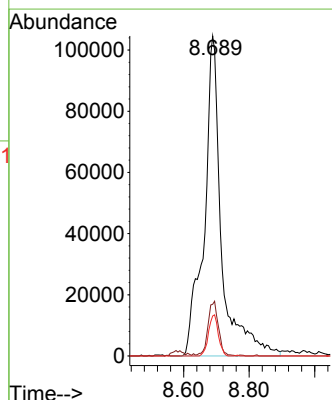
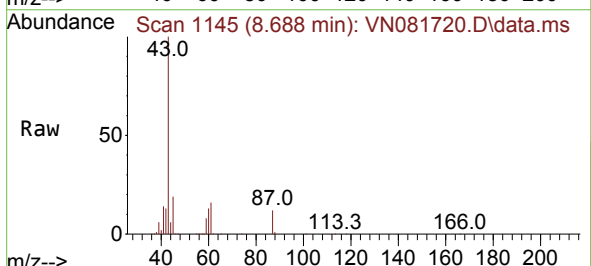
Tgt Ion: 43 Resp: 387746

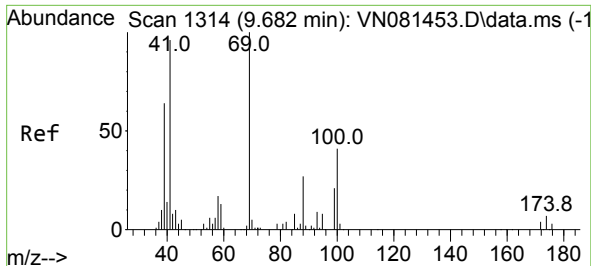
Ion Ratio Lower Upper

43 100

61 10.3 19.9 29.9#

87 7.2 9.0 13.6#

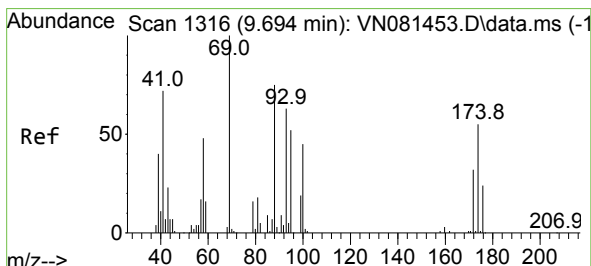
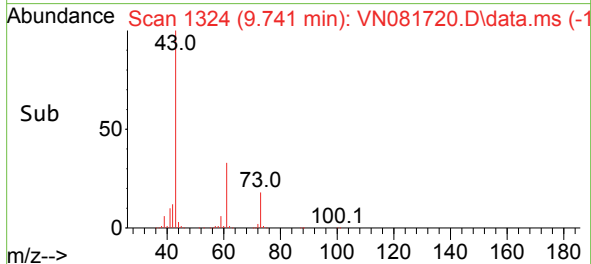
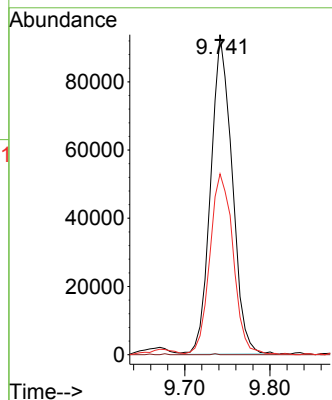
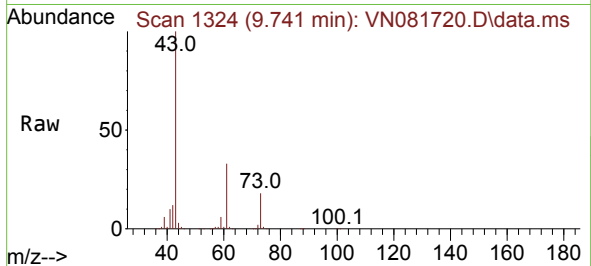




#48
Methyl methacrylate
Concen: 49.599 ug/l
RT: 9.741 min Scan# 1314
Delta R.T. 0.059 min
Lab File: VN081720.D
Acq: 12 Apr 2024 16:08

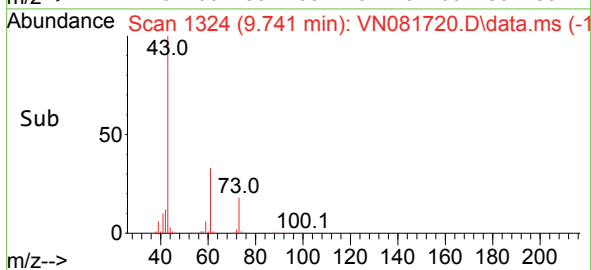
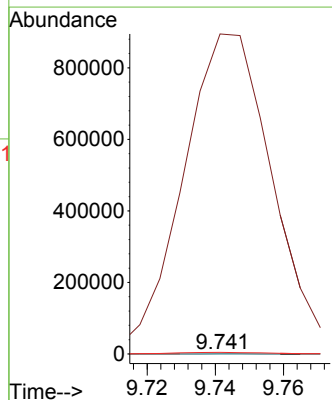
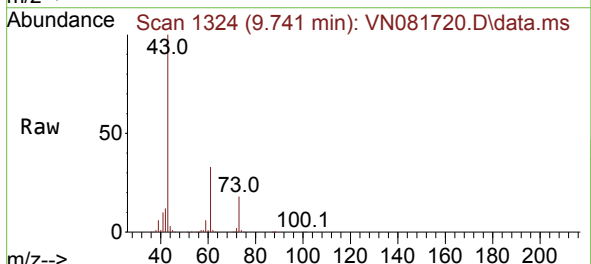
Instrument :
MSVOA_N
ClientSampleId :

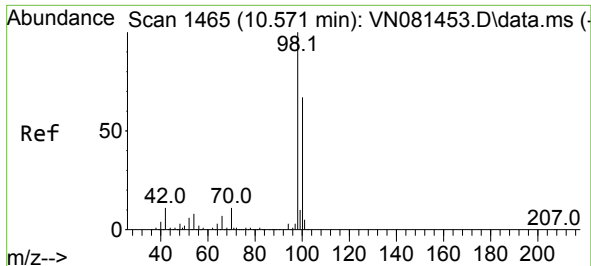
Tgt Ion: 41 Resp: 163094
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.2#
39 61.9 47.6 71.4



#49
1,4-Dioxane
Concen: 4.315 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN081720.D
Acq: 12 Apr 2024 16:08

Tgt Ion: 88 Resp: 341
Ion Ratio Lower Upper
88 100
43 481332.6 30.1 45.1#
58 2564.8 63.9 95.9#

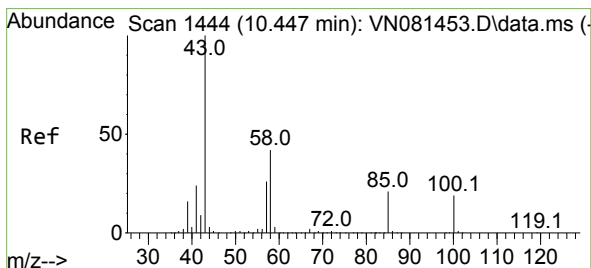
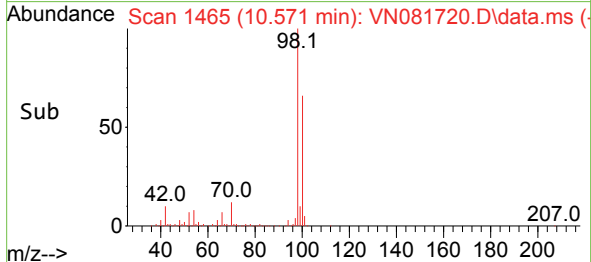
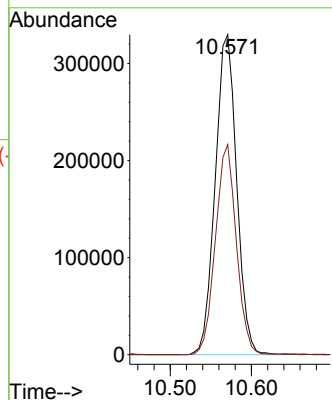
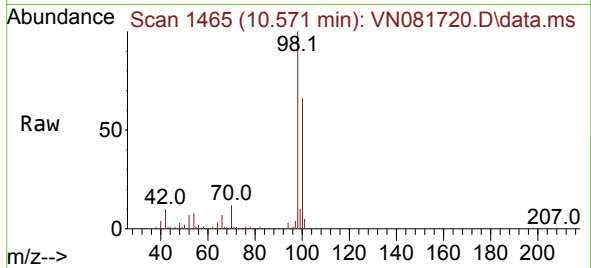




#50
Toluene-d8
Concen: 56.120 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081720.D
Acq: 12 Apr 2024 16:08

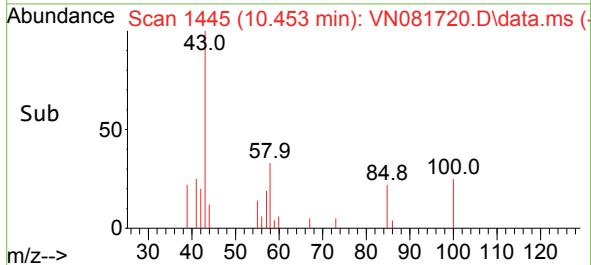
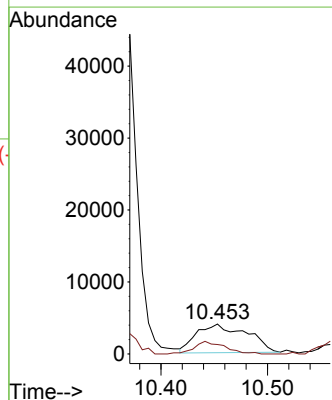
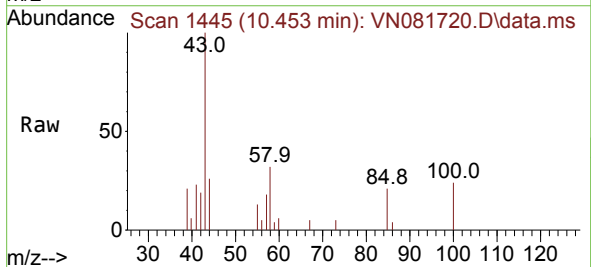
Instrument :
MSVOA_N
ClientSampleId :

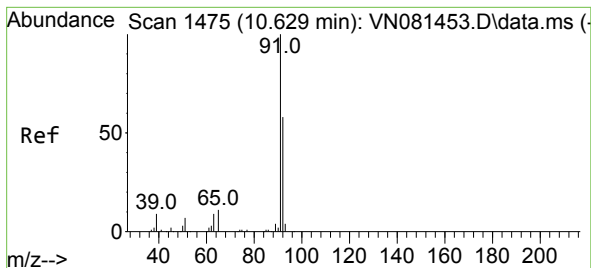
Tgt Ion: 98 Resp: 605455
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.007 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081720.D
Acq: 12 Apr 2024 16:08

Tgt Ion: 43 Resp: 13079
Ion Ratio Lower Upper
43 100
58 27.0 29.4 44.0#





#52

Toluene

Concen: 0.608 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Instrument :

MSVOA_N

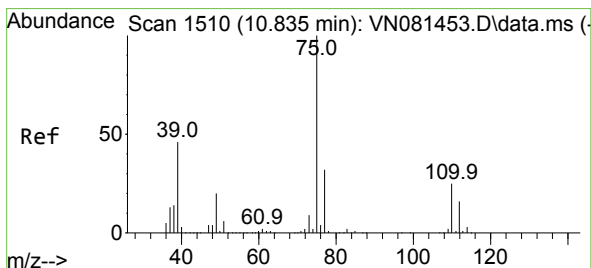
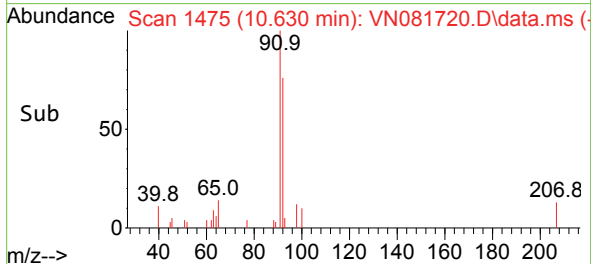
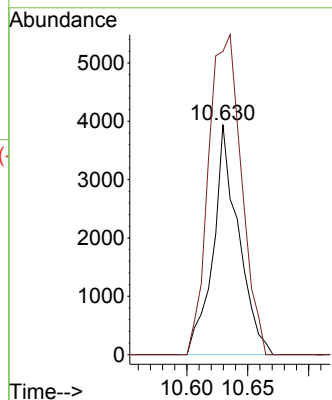
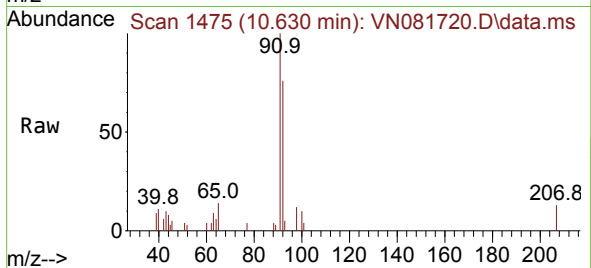
ClientSampleId :

Tgt Ion: 92 Resp: 5674

Ion Ratio Lower Upper

92 100

91 181.6 139.4 209.0



#53

t-1,3-Dichloropropene

Concen: 0.247 ug/l

RT: 10.730 min Scan# 1492

Delta R.T. -0.106 min

Lab File: VN081720.D

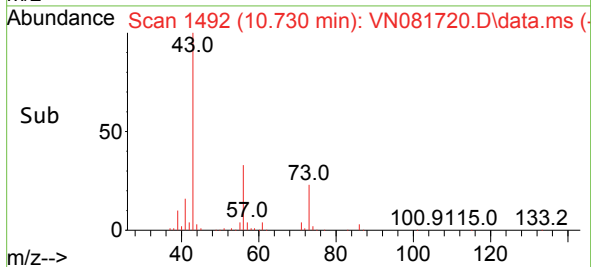
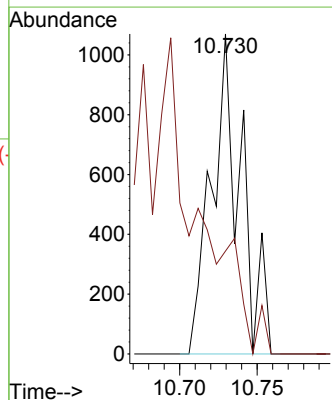
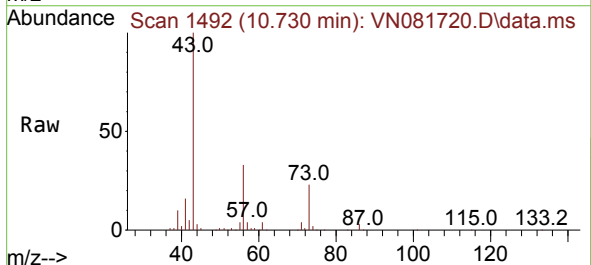
Acq: 12 Apr 2024 16:08

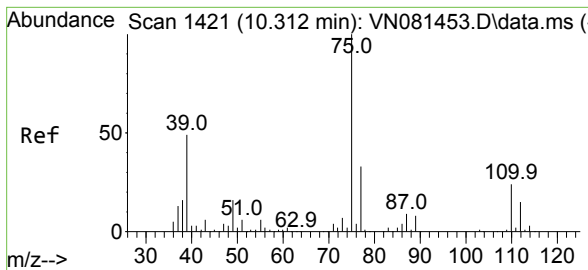
Tgt Ion: 75 Resp: 1409

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

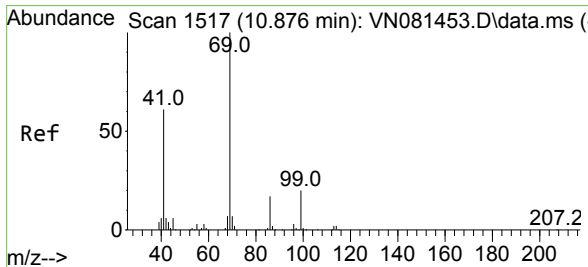
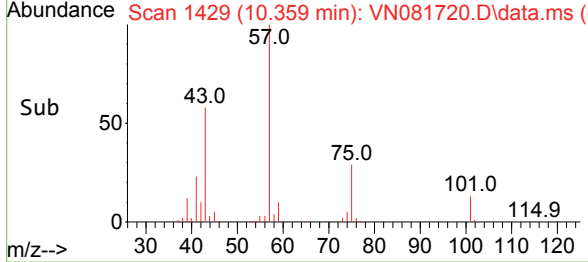
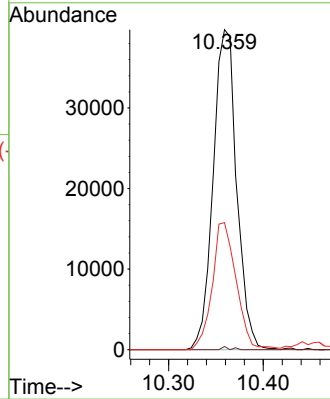
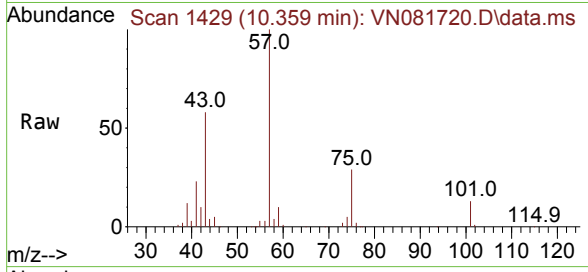




#54
 cis-1,3-Dichloropropene
 Concen: 11.207 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081720.D
 Acq: 12 Apr 2024 16:08

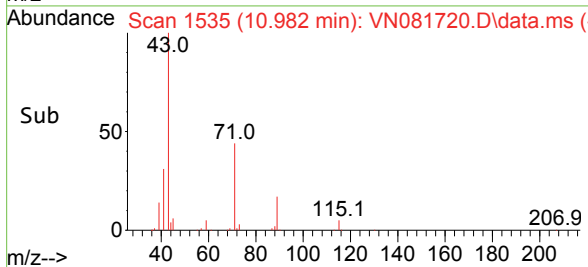
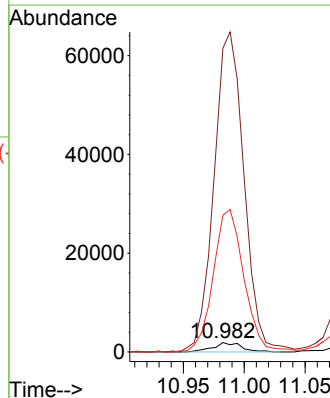
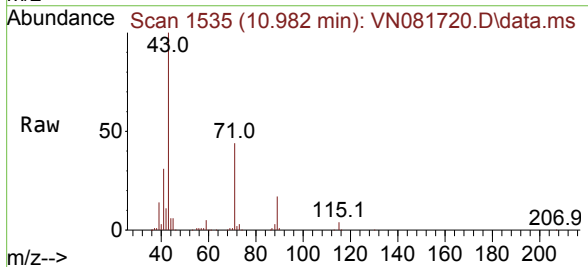
Instrument :
 MSVOA_N
 ClientSampleId :

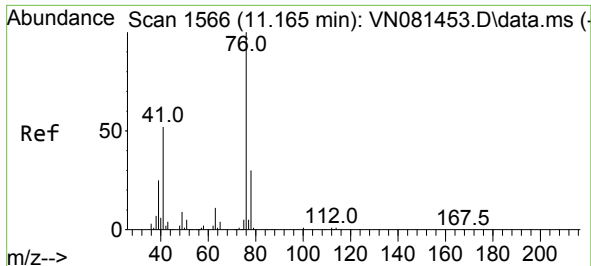
Tgt Ion: 75 Resp: 68560
 Ion Ratio Lower Upper
 75 100
 77 1.0 23.3 34.9#
 39 39.7 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 1.186 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN081720.D
 Acq: 12 Apr 2024 16:08

Tgt Ion: 69 Resp: 3136
 Ion Ratio Lower Upper
 69 100
 41 3545.6 61.0 91.6#
 39 1612.5 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.529 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Instrument :

MSVOA_N

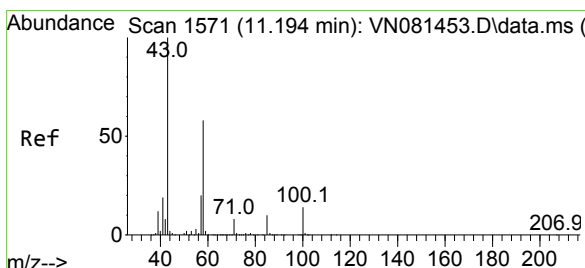
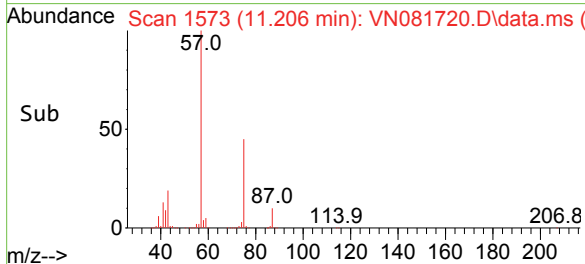
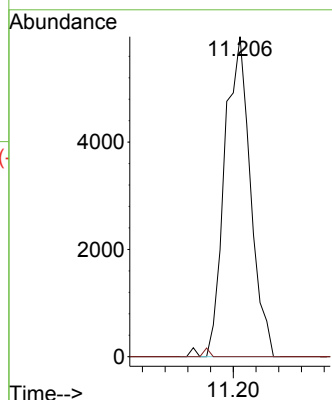
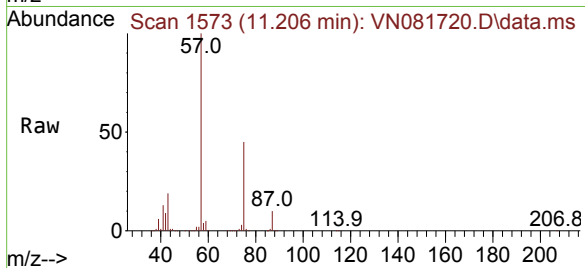
ClientSampleId :

Tgt Ion: 76 Resp: 9412

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 48.316 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN081720.D

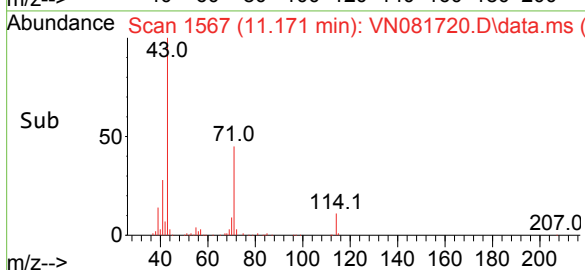
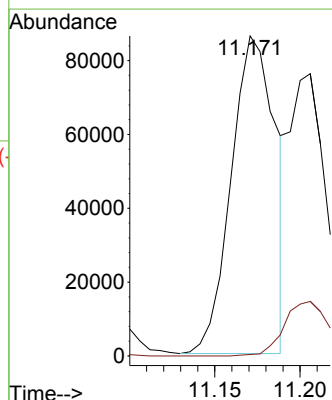
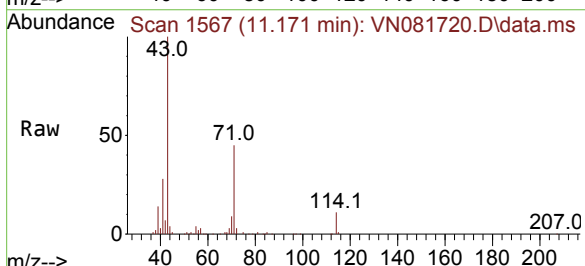
Acq: 12 Apr 2024 16:08

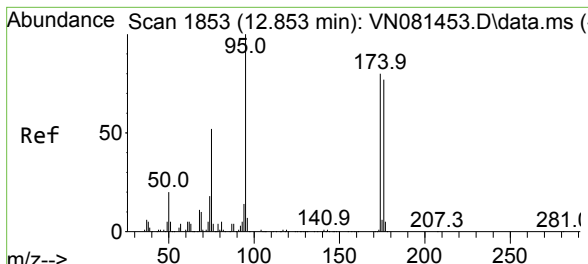
Tgt Ion: 43 Resp: 155396

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

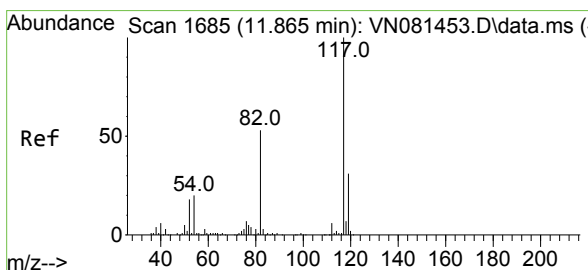
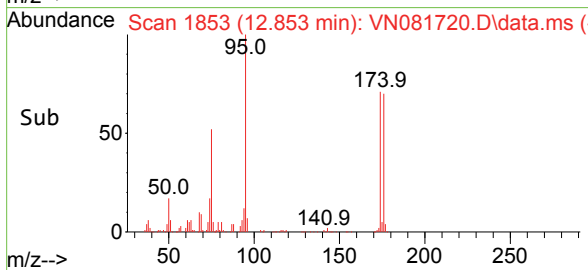
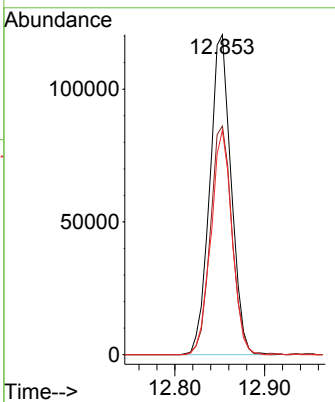
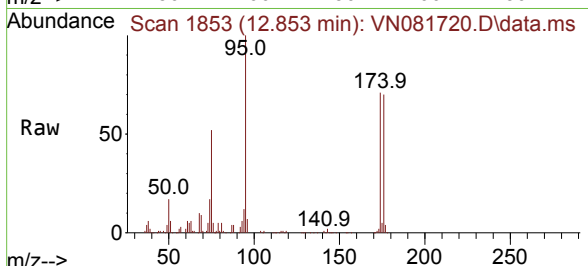




#62
 4-Bromofluorobenzene
 Concen: 52.469 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081720.D
 Acq: 12 Apr 2024 16:08

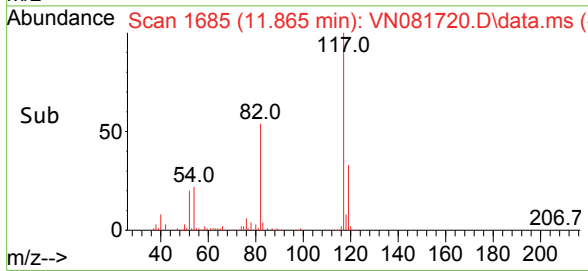
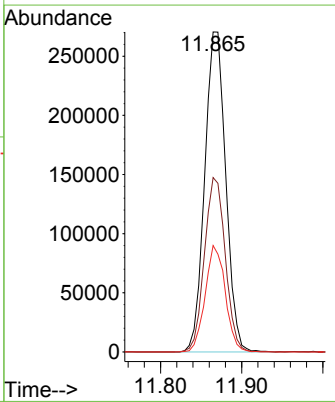
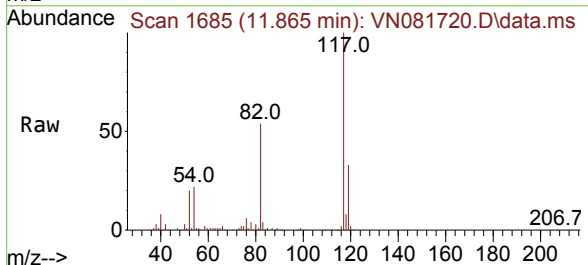
Instrument :
 MSVOA_N
 ClientSampleId :

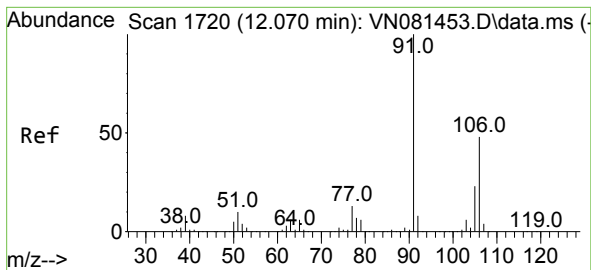
Tgt Ion:	95	Resp:	199461
Ion Ratio	Lower	Upper	
95	100		
174	72.2	0.0	120.4
176	69.0	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081720.D
 Acq: 12 Apr 2024 16:08

Tgt Ion:	117	Resp:	487211
Ion Ratio	Lower	Upper	
117	100		
82	54.5	52.7	79.1
119	33.2	25.3	37.9

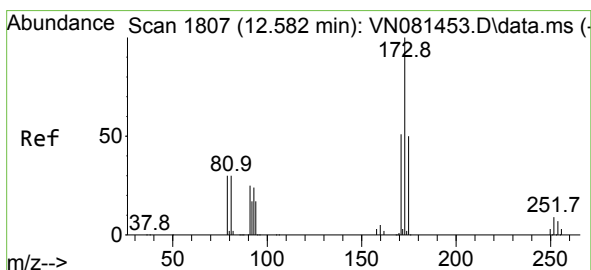
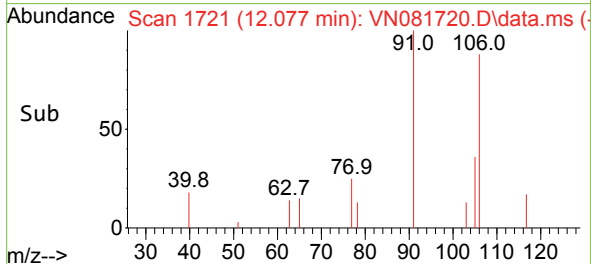
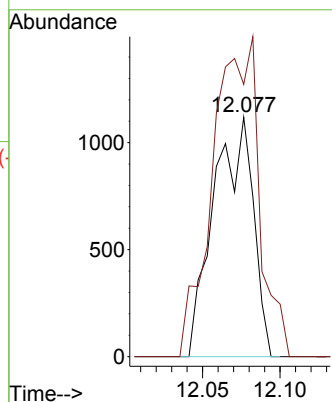
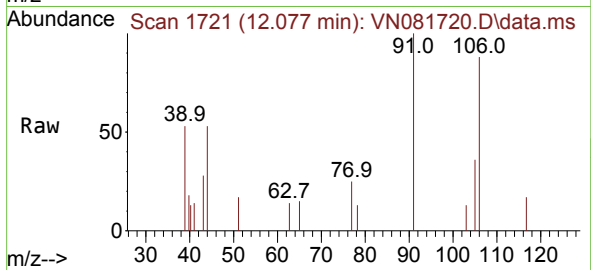




#68
m/p-Xylenes
Concen: 0.264 ug/l
RT: 12.077 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081720.D
Acq: 12 Apr 2024 16:08

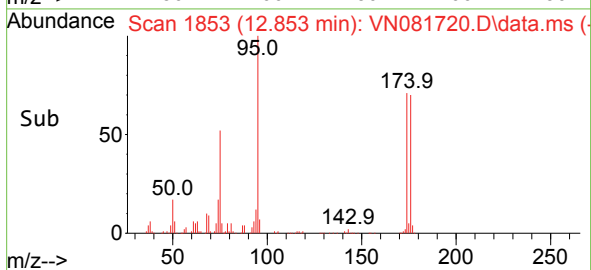
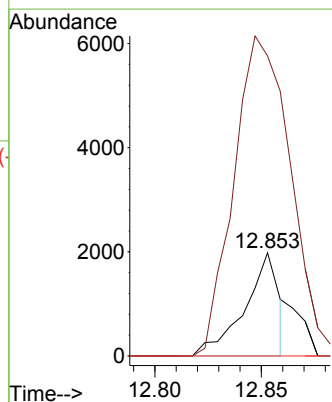
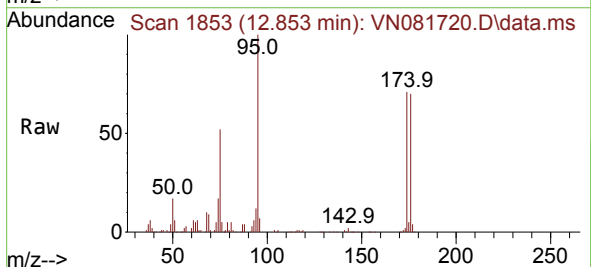
Instrument :
MSVOA_N
ClientSampleId :

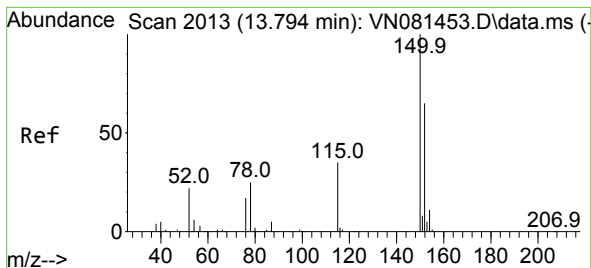
Tgt Ion:106 Resp: 1977
Ion Ratio Lower Upper
106 100
91 156.2 169.0 253.6#



#71
Bromoform
Concen: 0.688 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN081720.D
Acq: 12 Apr 2024 16:08

Tgt Ion:173 Resp: 2206
Ion Ratio Lower Upper
173 100
175 420.8 23.1 69.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

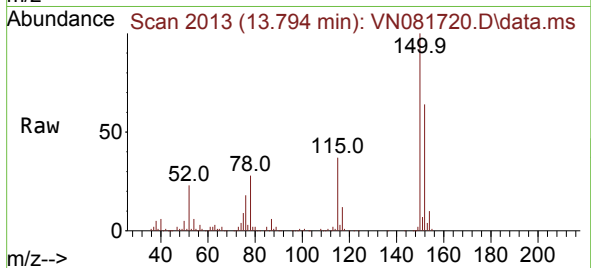
Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Instrument :

MSVOA_N

ClientSampleId :



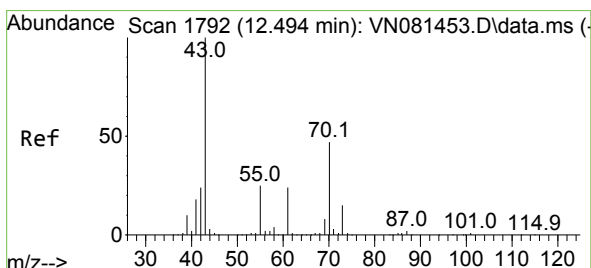
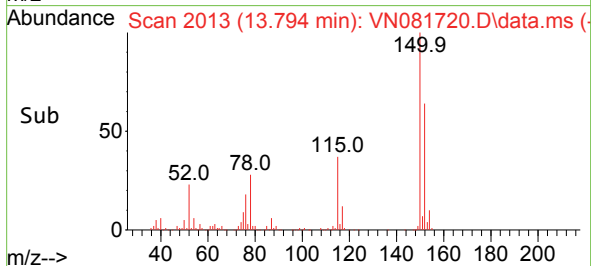
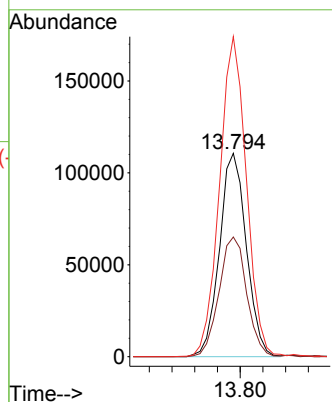
Tgt Ion:152 Resp: 181375

Ion Ratio Lower Upper

152 100

115 60.6 32.3 96.8

150 157.2 0.0 339.8



#74

N-ethyl acetate

Concen: 0.239 ug/l

RT: 12.465 min Scan# 1787

Delta R.T. -0.029 min

Lab File: VN081720.D

Acq: 12 Apr 2024 16:08

Tgt Ion: 43 Resp: 1336

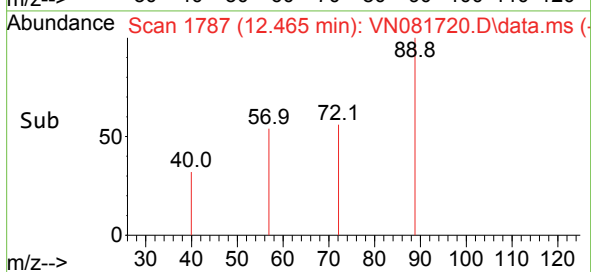
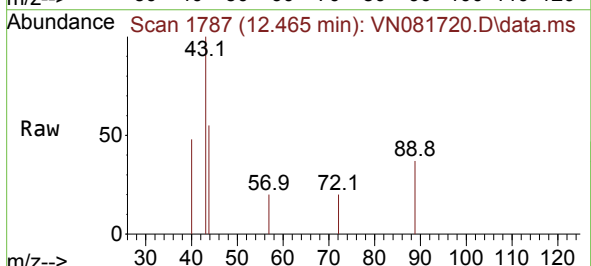
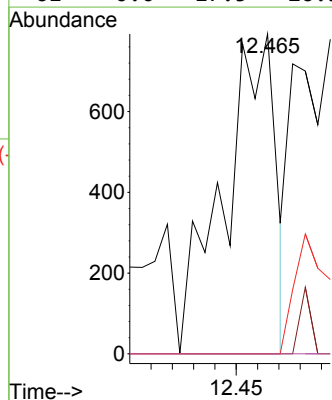
Ion Ratio Lower Upper

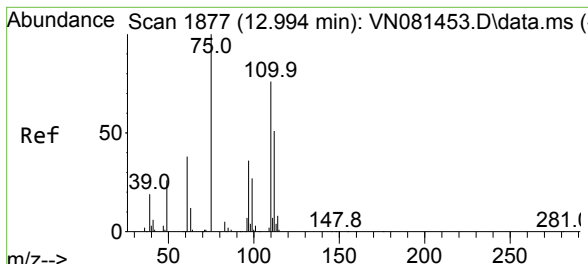
43 100

70 4.3 30.1 45.1#

55 22.5 17.0 25.4

61 0.0 17.5 26.3#

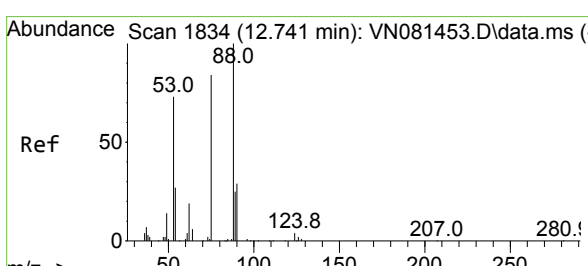
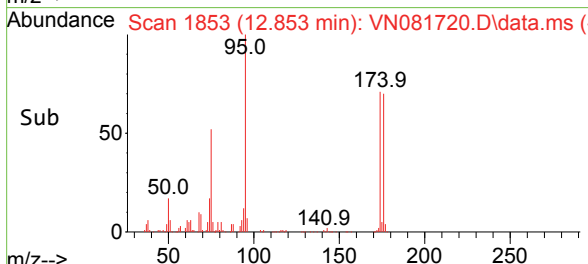
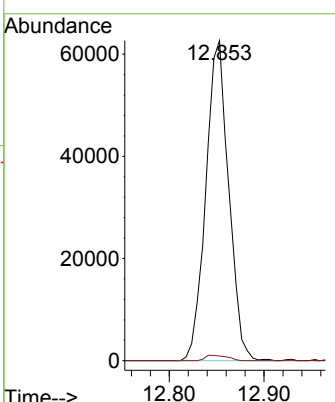
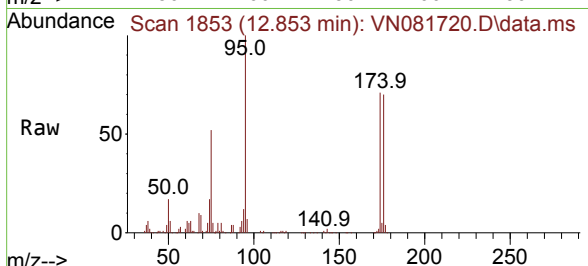




#76
 1,2,3-Trichloropropane
 Concen: 24.211 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081720.D
 Acq: 12 Apr 2024 16:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 105040
 Ion Ratio Lower Upper
 75 100
 77 1.6 91.0 272.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.425 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN081720.D
 Acq: 12 Apr 2024 16:08

Tgt Ion: 75 Resp: 105040
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

