

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082720.D
 Acq On : 25 Jun 2024 16:11
 Operator : JC\MD
 Sample : PB161676ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:24:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

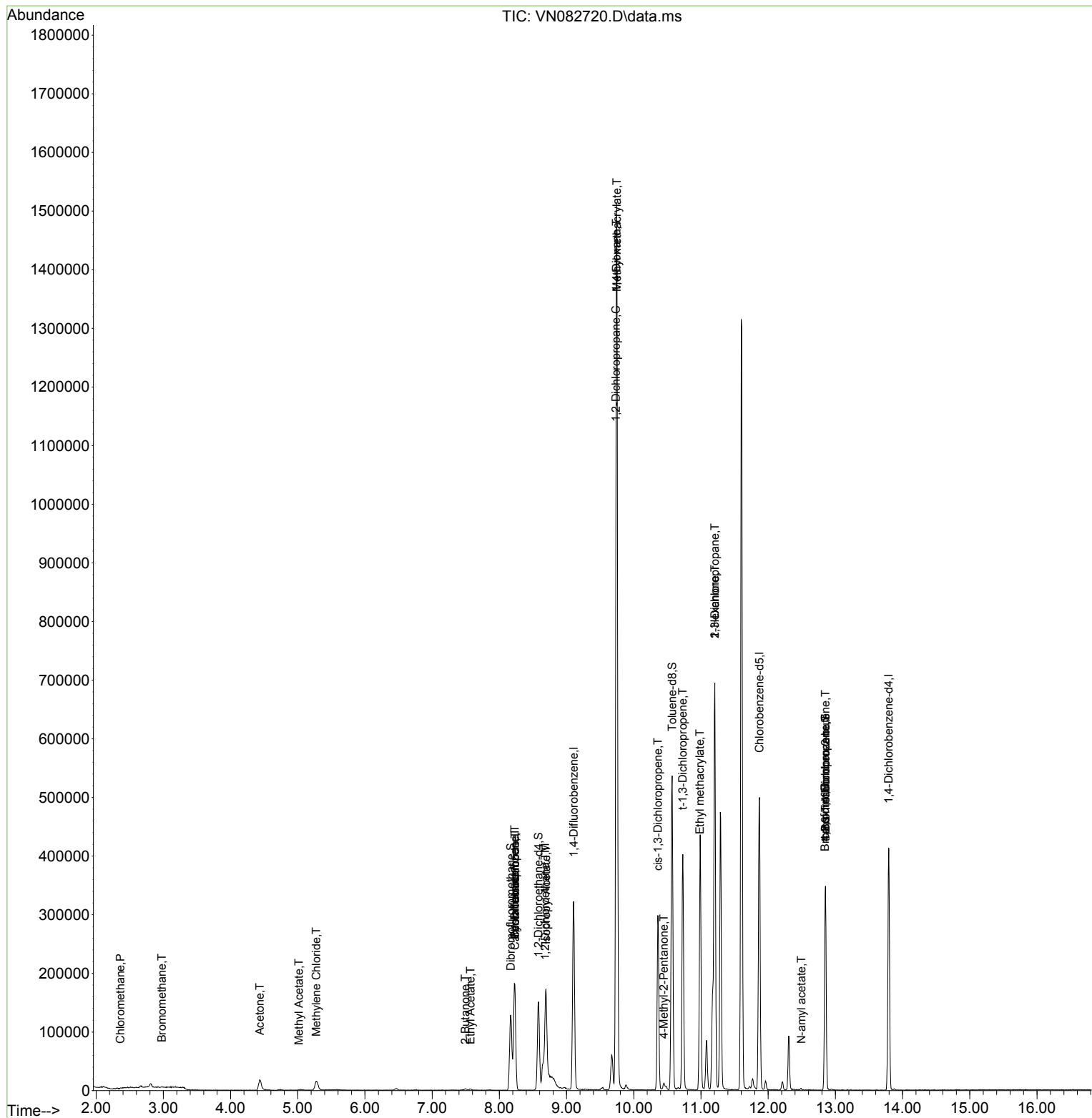
Internal Standards						
1) Pentafluorobenzene	8.229	168	128604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	253099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	267332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	120950	58.647	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.300%
35) Dibromofluoromethane	8.171	113	91908	53.528	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.060%
50) Toluene-d8	10.570	98	347619	53.537	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.080%
62) 4-Bromofluorobenzene	12.853	95	110672	49.438	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	98.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	658	0.306	ug/l #	43
5) Bromomethane	2.977	94	374	0.284	ug/l #	72
16) Acetone	4.436	43	34197	36.460	ug/l	94
18) Methyl Acetate	5.018	43	1594	0.695	ug/l #	73
20) Methylene Chloride	5.277	84	11299	6.852	ug/l	95
25) 2-Butanone	7.494	43	5094	3.821	ug/l	93
31) Cyclohexane	8.229	56	3902	1.311	ug/l #	44
36) 1,1-Dichloropropene	8.229	75	11794	4.595	ug/l #	51
37) Ethyl Acetate	7.571	43	4077	1.247	ug/l #	76
38) Carbon Tetrachloride	8.235	117	13226	4.572	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1039	0.344	ug/l #	78
43) Isopropyl Acetate	8.694	43	284323	46.532	ug/l #	78
45) 1,2-Dichloropropane	9.735	63	1797	0.880	ug/l #	44
48) Methyl methacrylate	9.747	41	154633	61.389	ug/l #	52
49) 1,4-Dioxane	9.741	88	74	1.878	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12850	4.100	ug/l #	70
53) t-1,3-Dichloropropene	10.729	75	757	0.251	ug/l #	88
54) cis-1,3-Dichloropropene	10.359	75	44394	14.234	ug/l #	69
56) Ethyl methacrylate	10.982	69	2162	0.750	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6171	1.919	ug/l #	43
59) 2-Hexanone	11.206	43	105412	44.254	ug/l #	55
71) Bromoform	12.847	173	682	0.395	ug/l #	1
74) N-amyl acetate	12.494	43	1718	0.407	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	63306	24.868	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63306	59.495	ug/l #	6

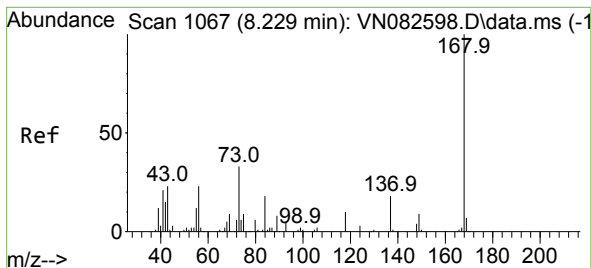
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. 0.000 min

Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

Instrument :

MSVOA_N

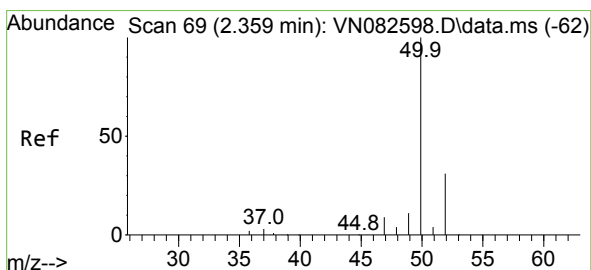
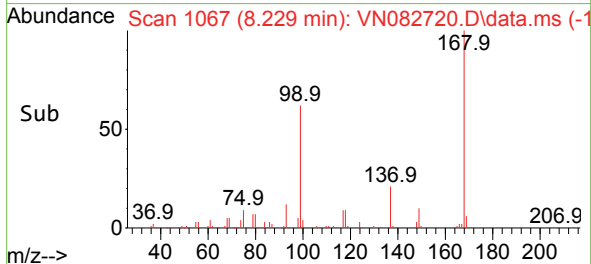
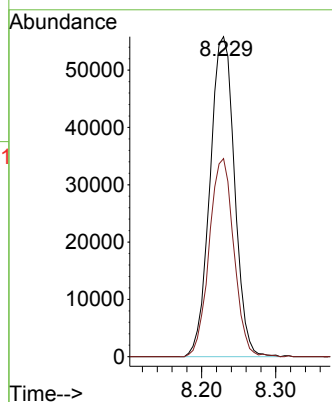
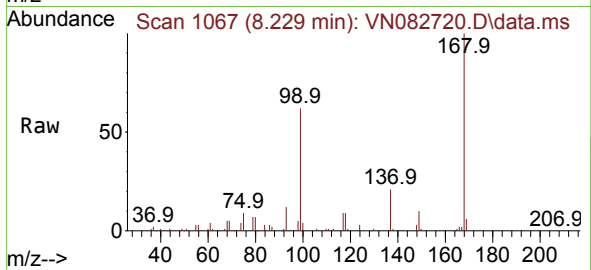
ClientSampleId :

Tgt Ion:168 Resp: 128604

Ion Ratio Lower Upper

168 100

99 61.9 48.2 72.4



#3

Chloromethane

Concen: 0.306 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082720.D

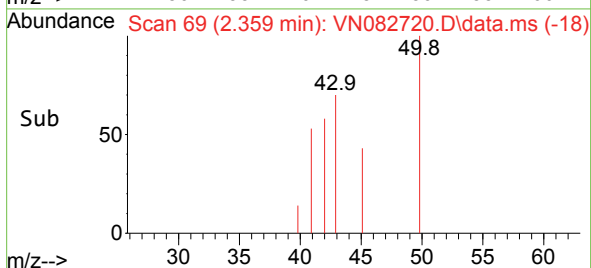
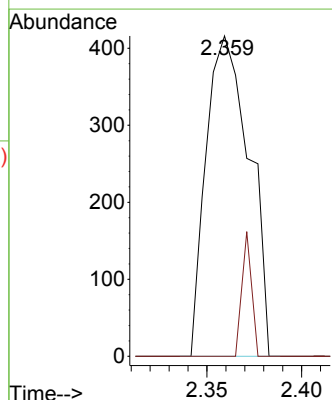
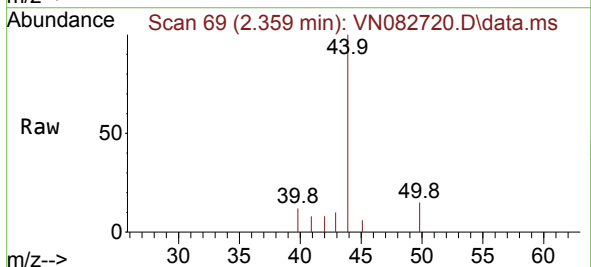
Acq: 25 Jun 2024 16:11

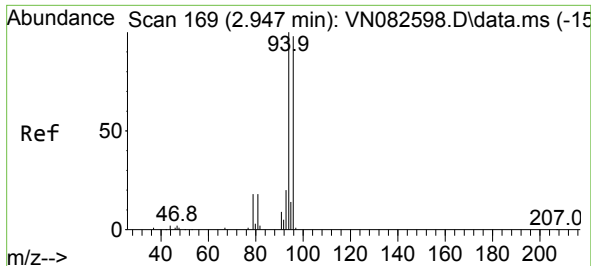
Tgt Ion: 50 Resp: 658

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

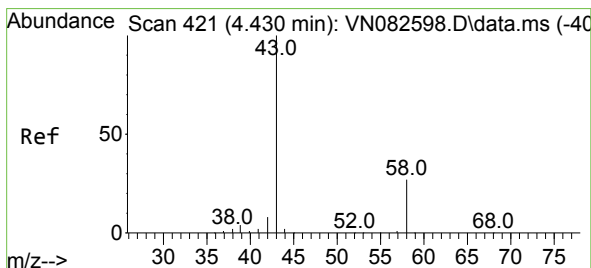
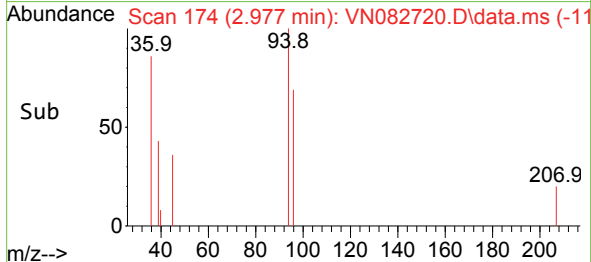
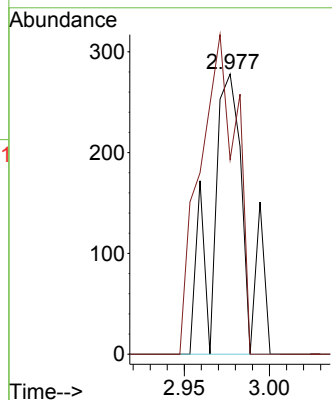
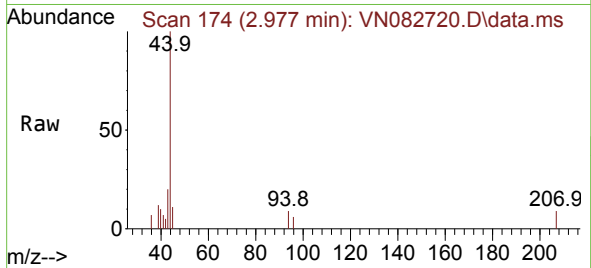




#5
Bromomethane
Concen: 0.284 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

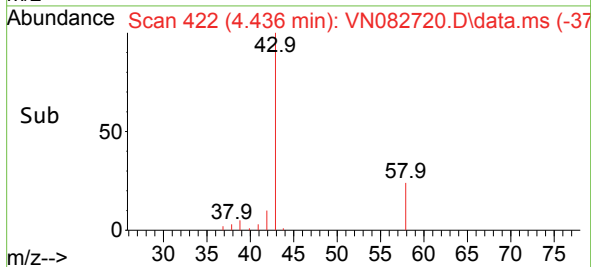
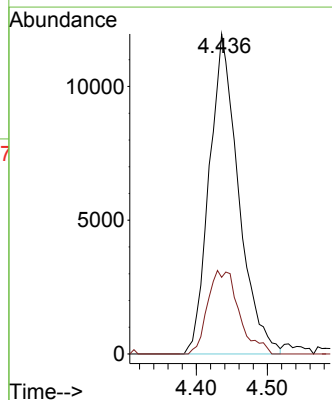
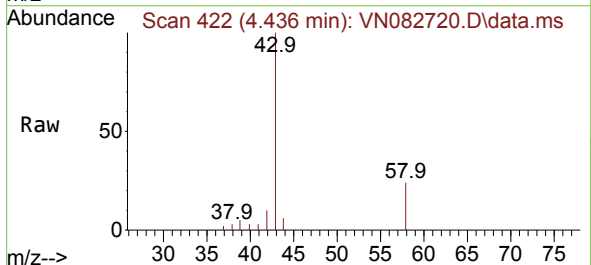
Instrument :
MSVOA_N
ClientSampleId :

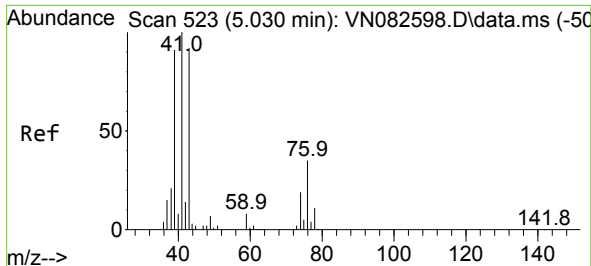
Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 69.4 78.0 117.0#



#16
Acetone
Concen: 36.460 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

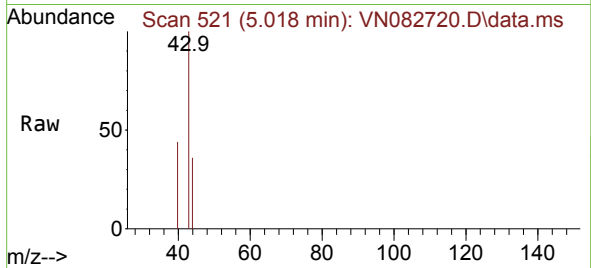
Tgt Ion: 43 Resp: 34197
Ion Ratio Lower Upper
43 100
58 24.0 21.8 32.6



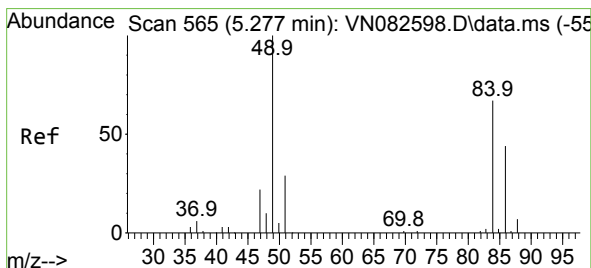
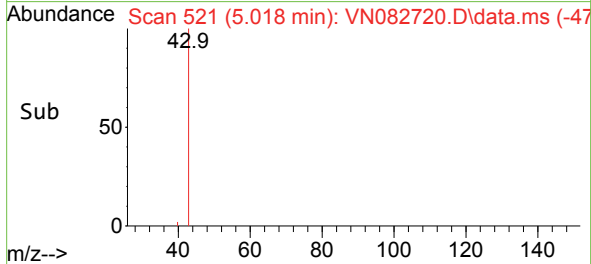
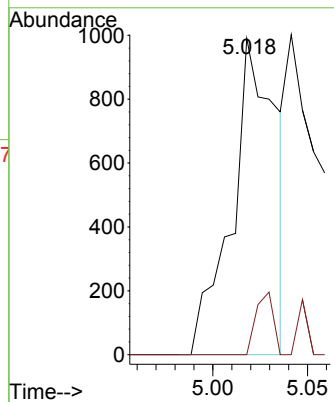


#18
Methyl Acetate
Concen: 0.695 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

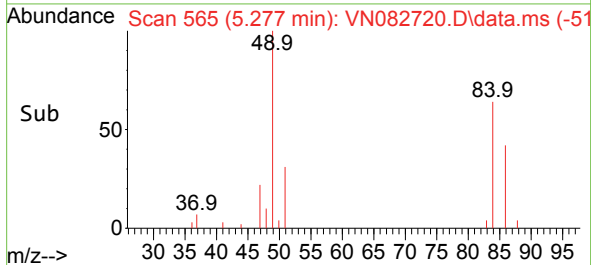
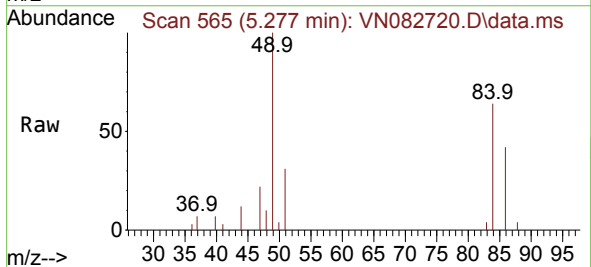
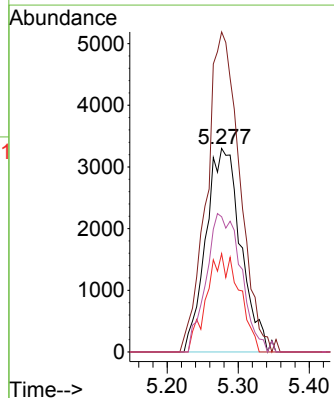


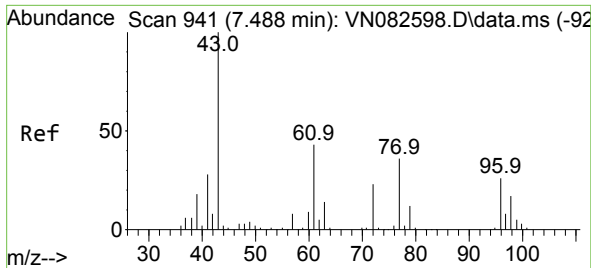
Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
74 7.8 16.3 24.5#



#20
Methylene Chloride
Concen: 6.852 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

Tgt Ion: 84 Resp: 11299
Ion Ratio Lower Upper
84 100
49 157.2 119.6 179.4
51 48.2 34.8 52.2
86 66.4 52.9 79.3

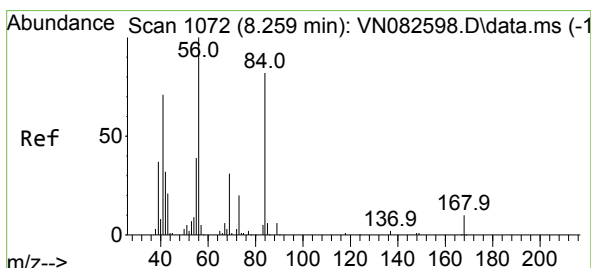
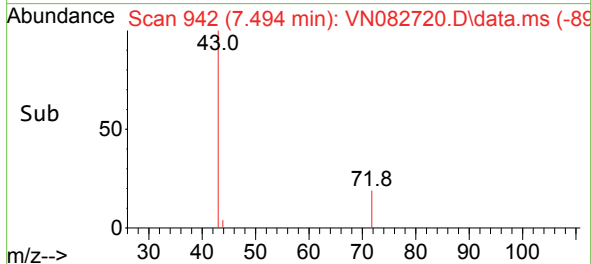
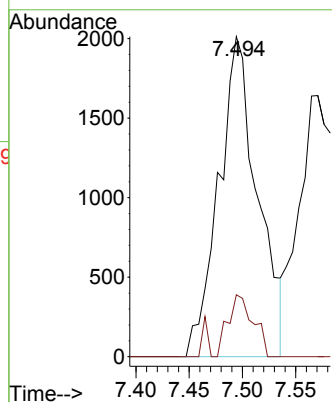
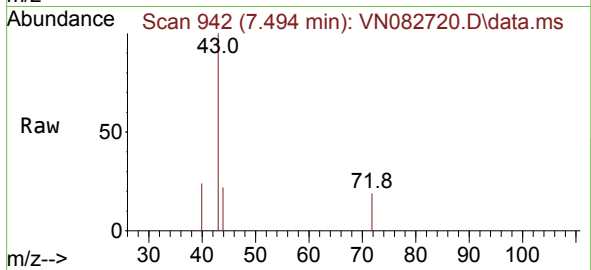




#25
2-Butanone
Concen: 3.821 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

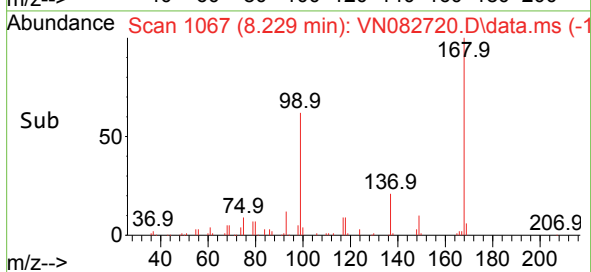
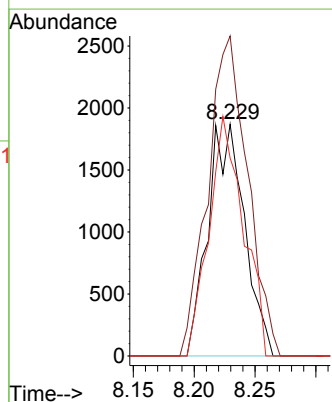
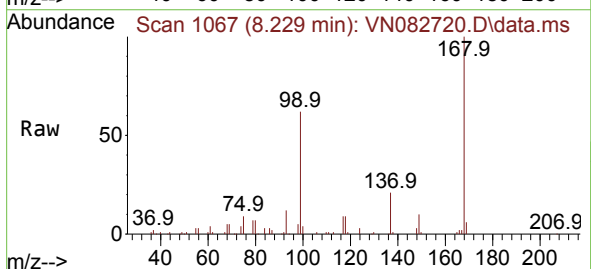
Instrument :
MSVOA_N
ClientSampleId :

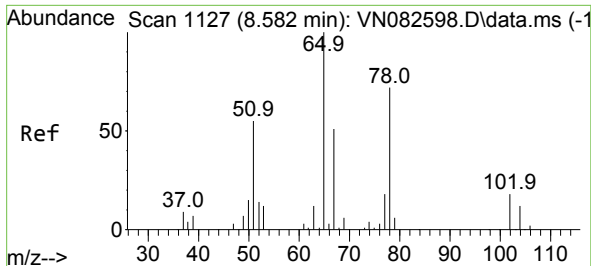
Tgt Ion: 43 Resp: 5094
Ion Ratio Lower Upper
43 100
72 19.4 18.2 27.2



#31
Cyclohexane
Concen: 1.311 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

Tgt Ion: 56 Resp: 3902
Ion Ratio Lower Upper
56 100
69 138.1 24.5 36.7#
84 85.4 66.0 99.0





#33

1,2-Dichloroethane-d4

Concen: 58.647 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

Instrument :

MSVOA_N

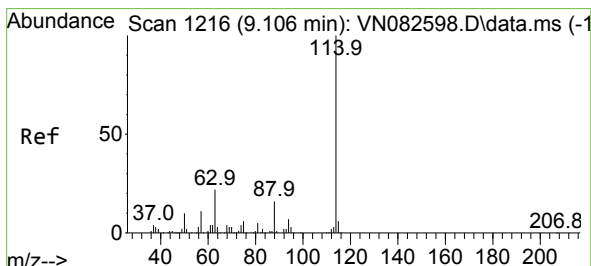
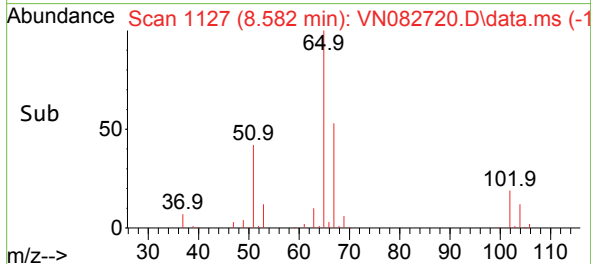
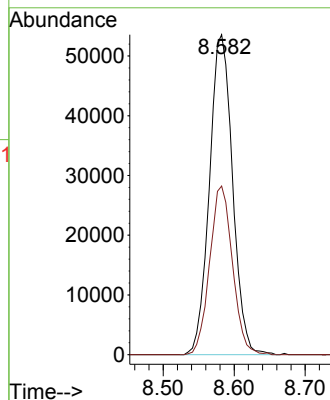
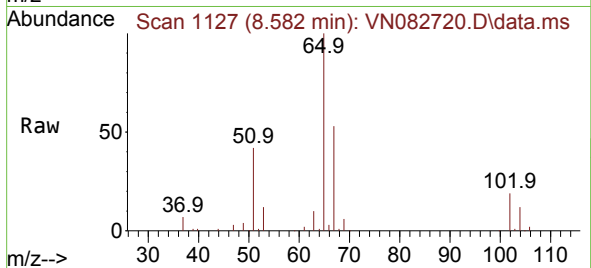
ClientSampleId :

Tgt Ion: 65 Resp: 120950

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

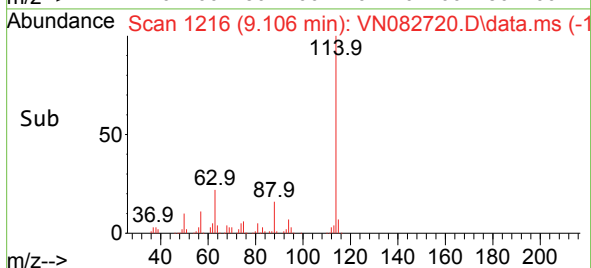
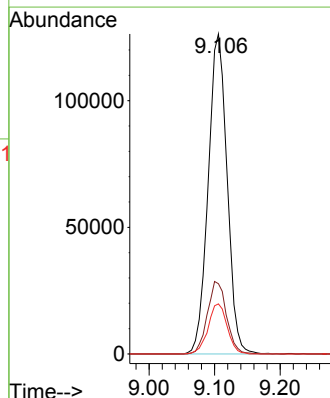
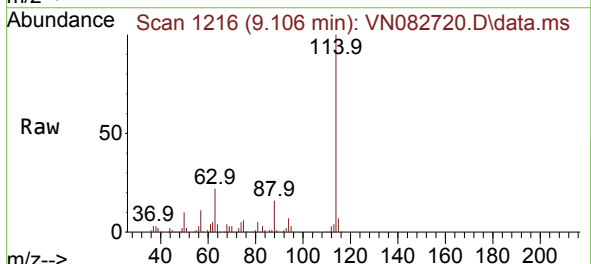
Tgt Ion: 114 Resp: 253099

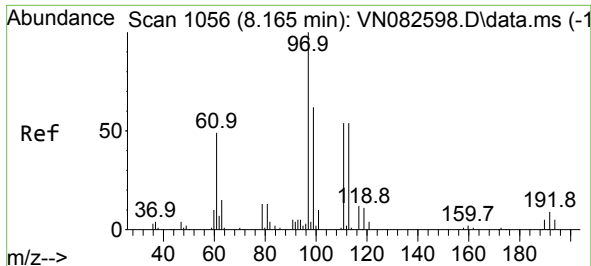
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.6

88 15.7 0.0 31.4

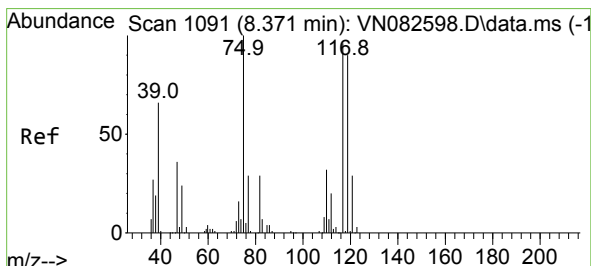
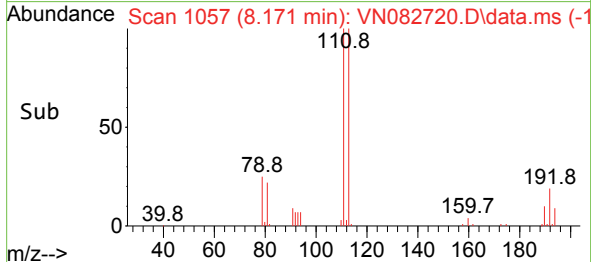
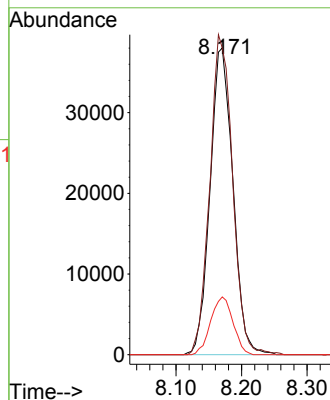
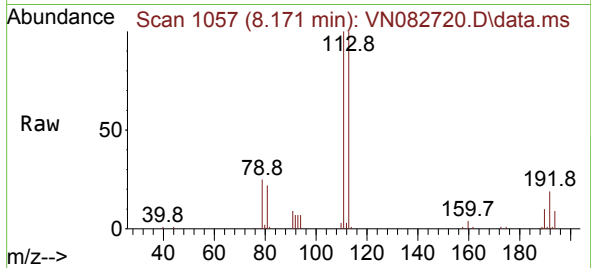




#35
Dibromofluoromethane
Concen: 53.528 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

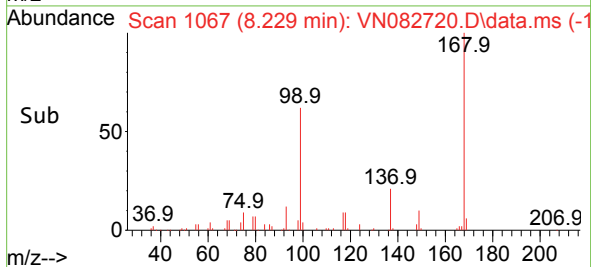
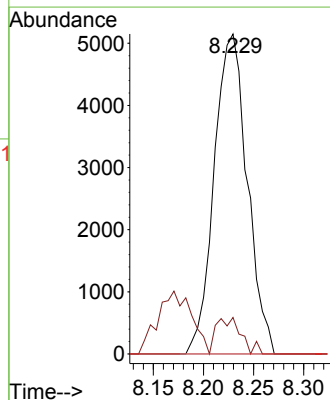
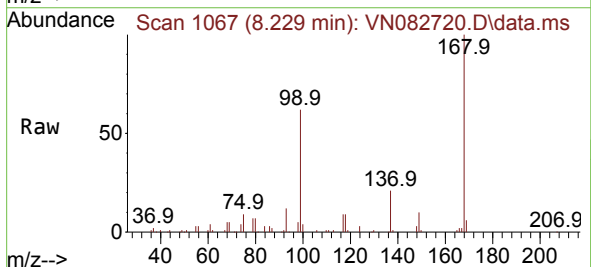
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 91908
Ion Ratio Lower Upper
113 100
111 104.0 82.4 123.6
192 18.4 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

Tgt Ion: 75 Resp: 11794
Ion Ratio Lower Upper
75 100
110 8.6 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.247 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

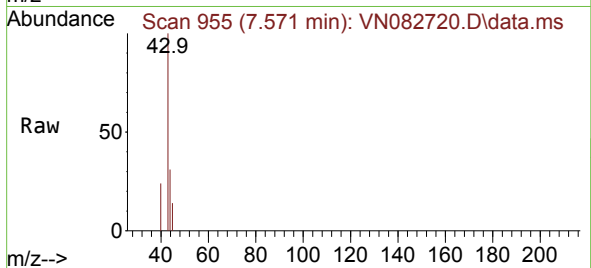
Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

Instrument :

MSVOA_N

ClientSampleId :



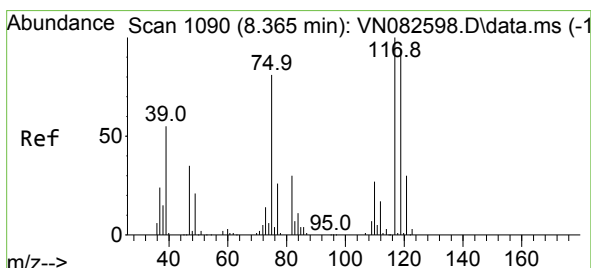
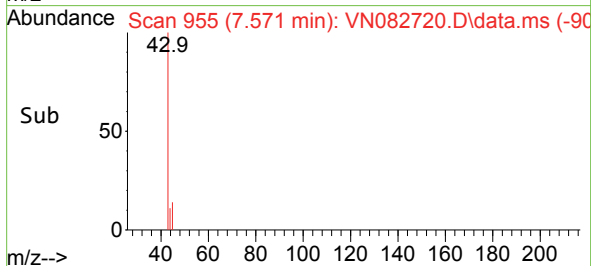
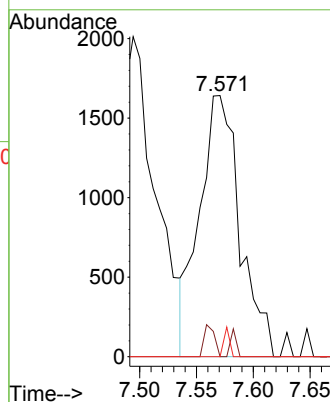
Tgt Ion: 43 Resp: 4077

Ion Ratio Lower Upper

43 100

61 1.5 9.3 13.9#

70 1.6 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.572 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.129 min

Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

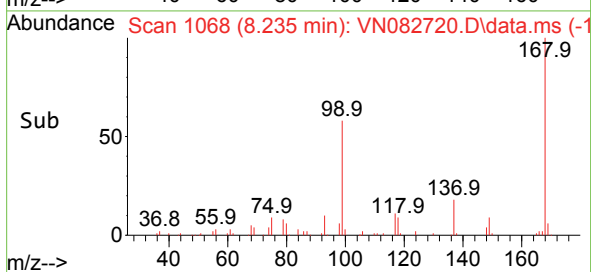
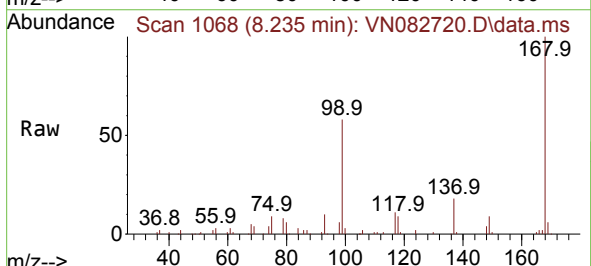
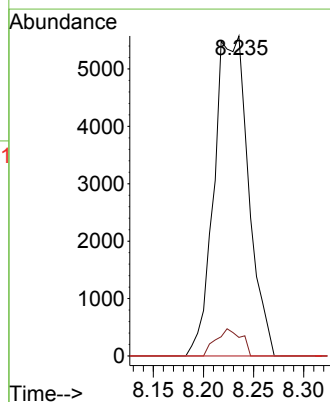
Tgt Ion: 117 Resp: 13226

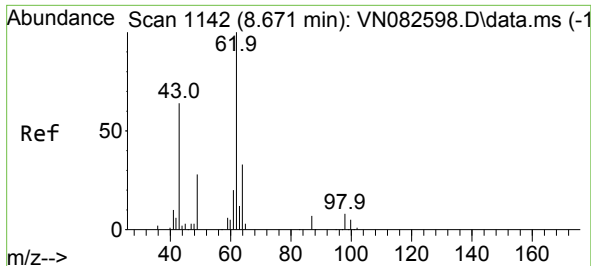
Ion Ratio Lower Upper

117 100

119 5.8 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.344 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

Instrument :

MSVOA_N

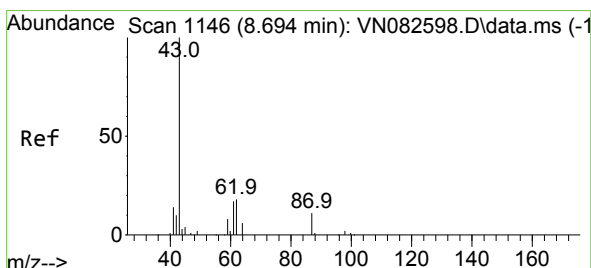
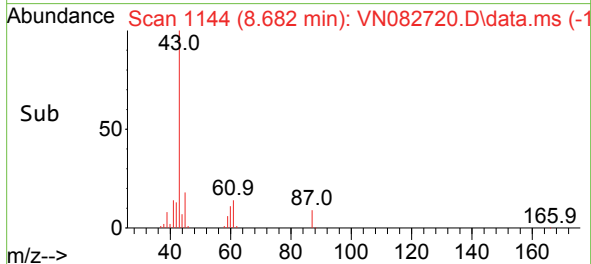
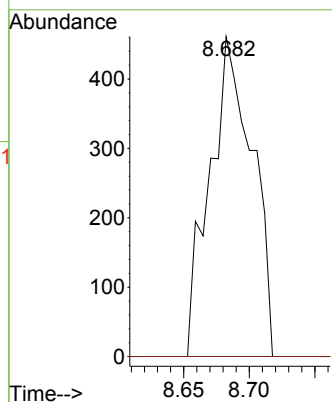
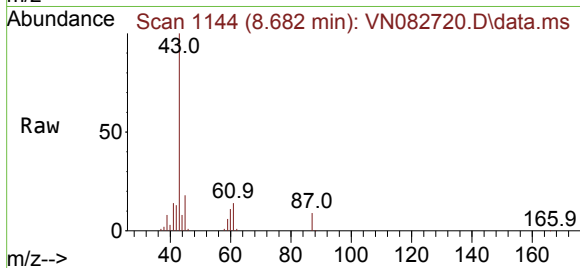
ClientSampleId :

Tgt Ion: 62 Resp: 1039

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 46.532 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

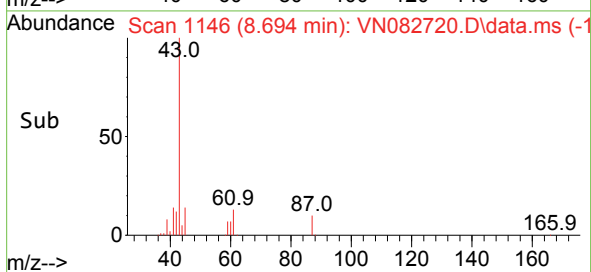
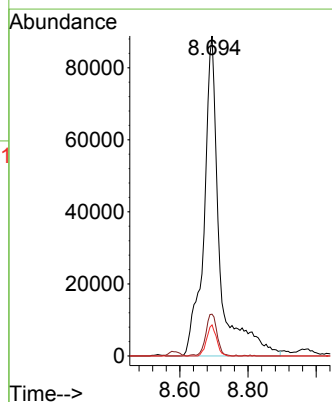
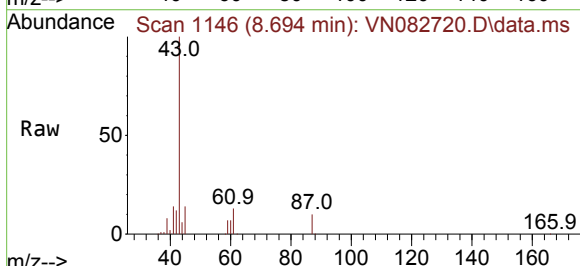
Tgt Ion: 43 Resp: 284323

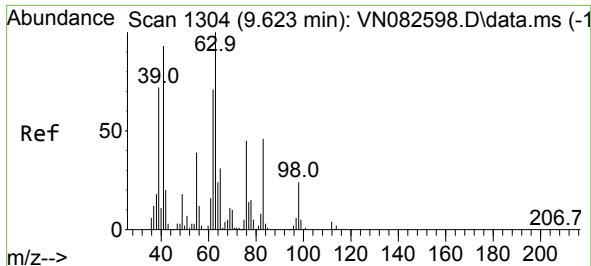
Ion Ratio Lower Upper

43 100

61 9.5 17.8 26.6#

87 6.1 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.880 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.112 min

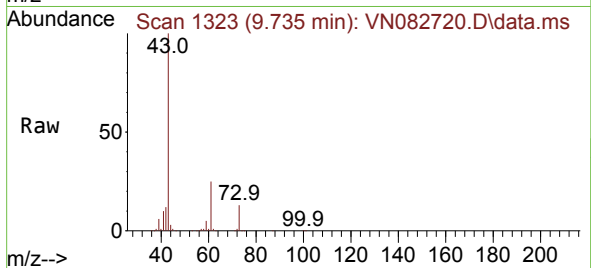
Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

Instrument :

MSVOA_N

ClientSampleId :

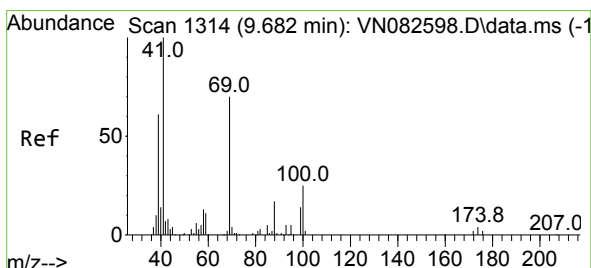
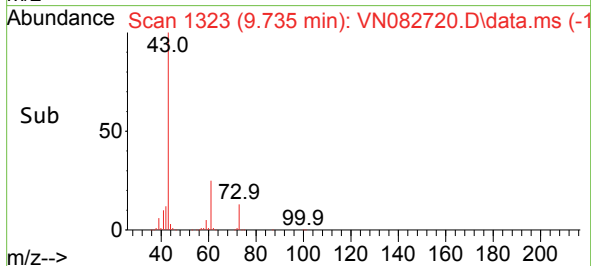
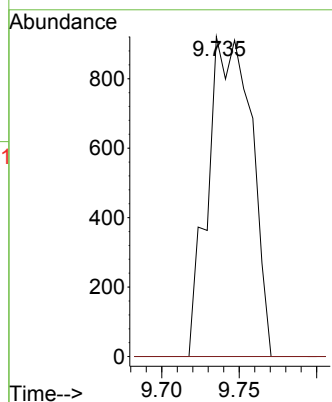


Tgt Ion: 63 Resp: 1797

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 61.389 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

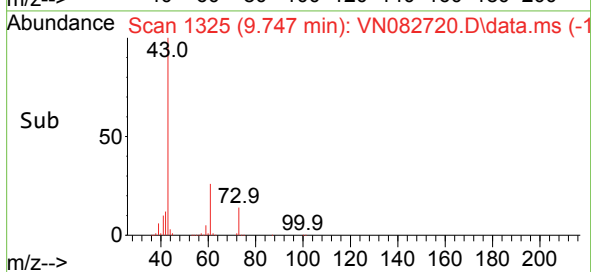
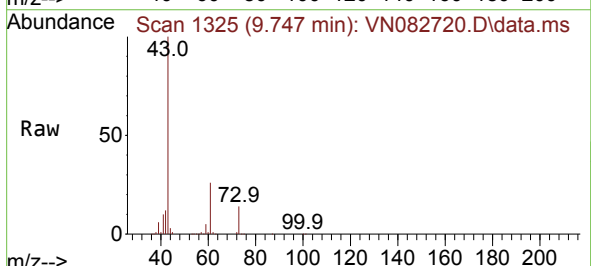
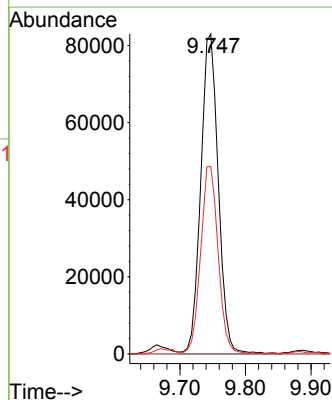
Tgt Ion: 41 Resp: 154633

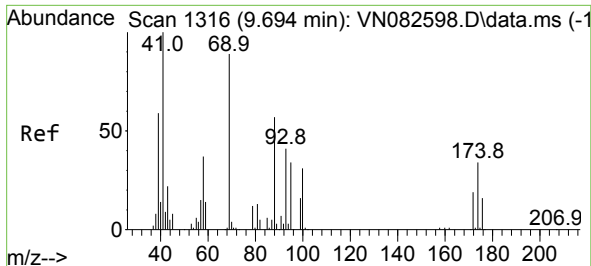
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 58.5 50.3 75.5





#49

1,4-Dioxane

Concen: 1.878 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

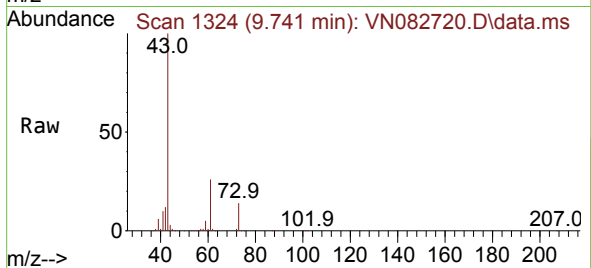
Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

Instrument :

MSVOA_N

ClientSampleId :



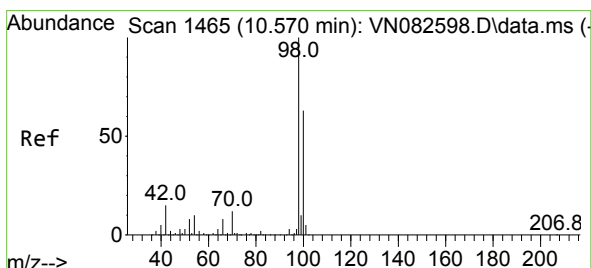
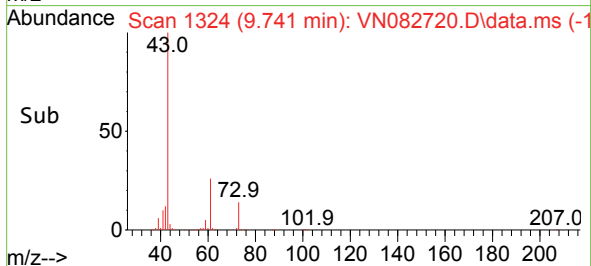
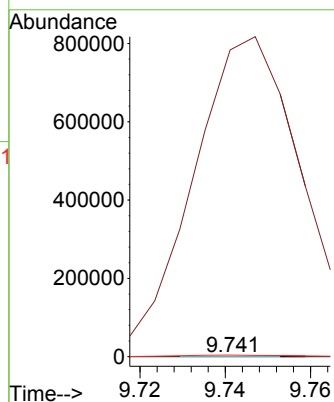
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 1998102.7 27.8 41.8#

58 10559.5 59.4 89.0#



#50

Toluene-d8

Concen: 53.537 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082720.D

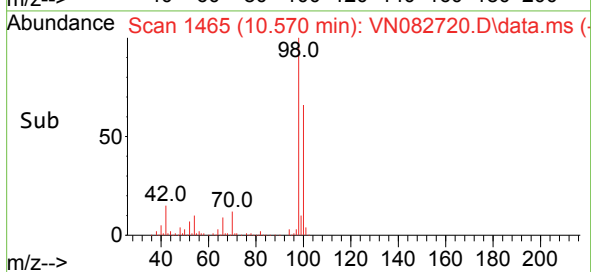
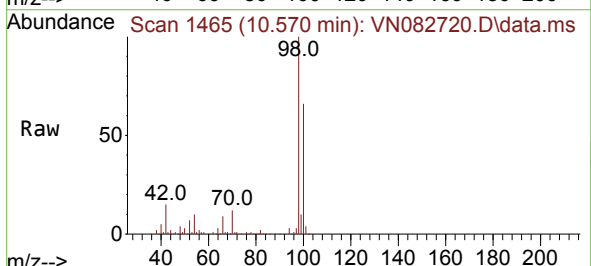
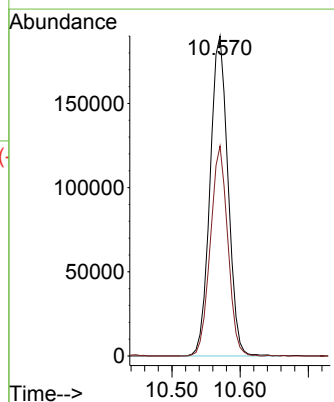
Acq: 25 Jun 2024 16:11

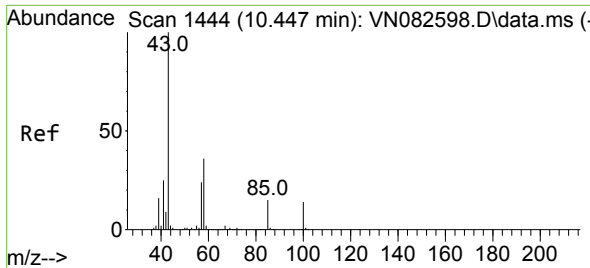
Tgt Ion: 98 Resp: 347619

Ion Ratio Lower Upper

98 100

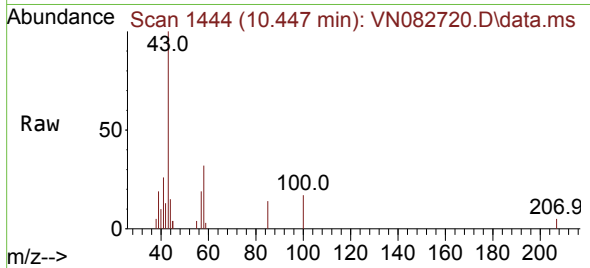
100 63.8 51.5 77.3



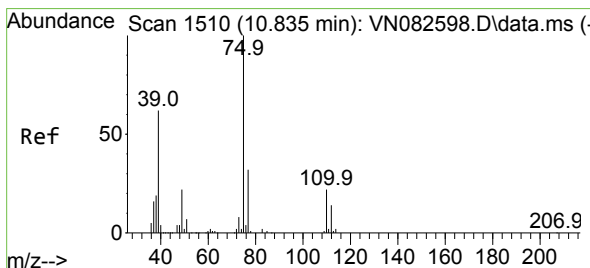
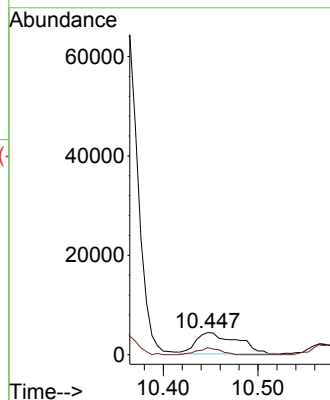
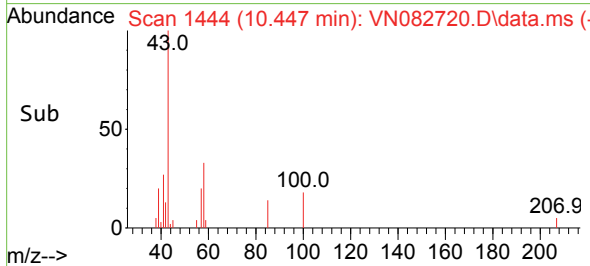


#51
4-Methyl-2-Pentanone
Concen: 4.100 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

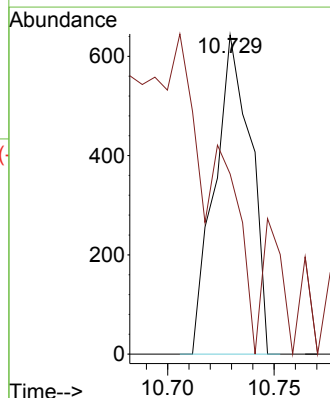
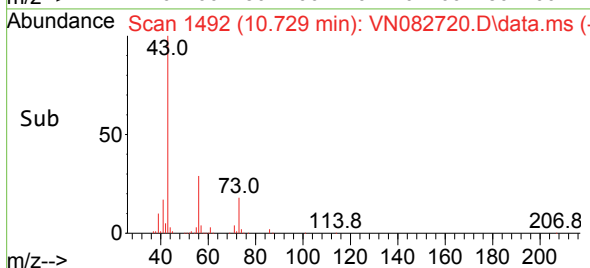
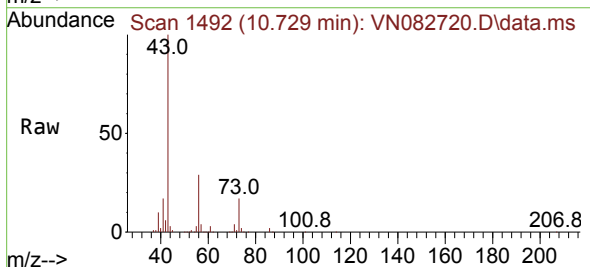


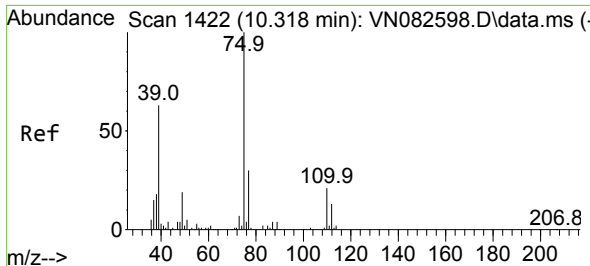
Tgt Ion: 43 Resp: 12850
Ion Ratio Lower Upper
43 100
58 18.0 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

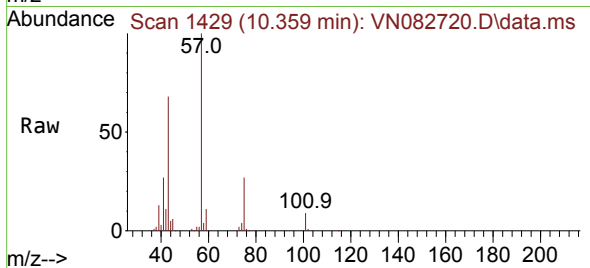
Tgt Ion: 75 Resp: 757
Ion Ratio Lower Upper
75 100
77 25.2 25.7 38.5#



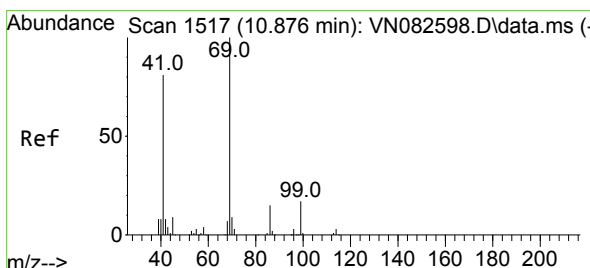
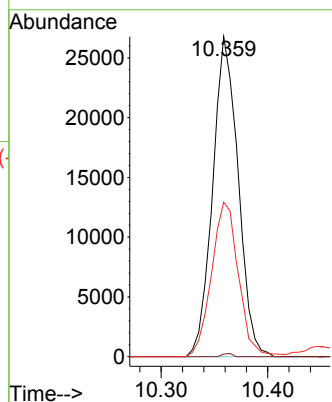
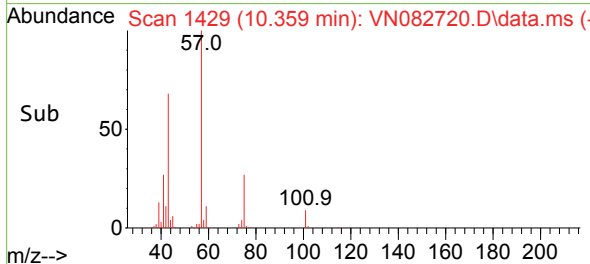


#54
cis-1,3-Dichloropropene
Concen: 14.234 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

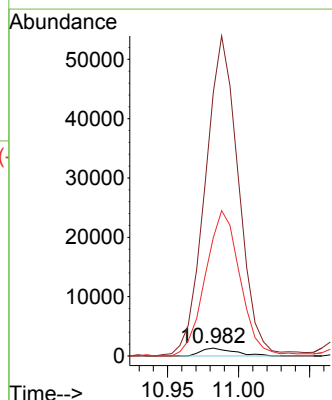
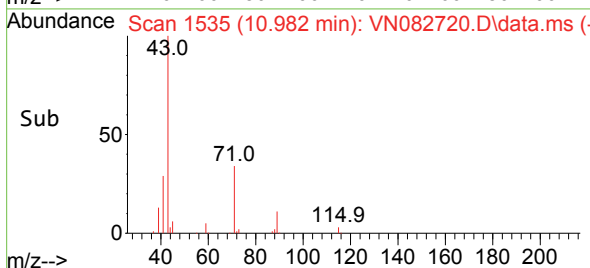
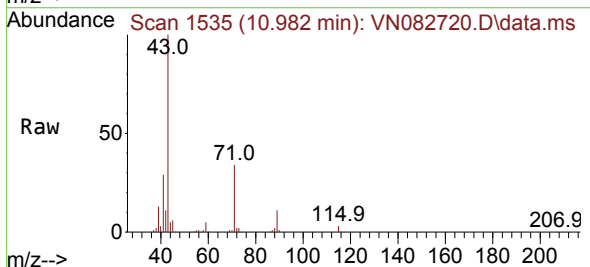


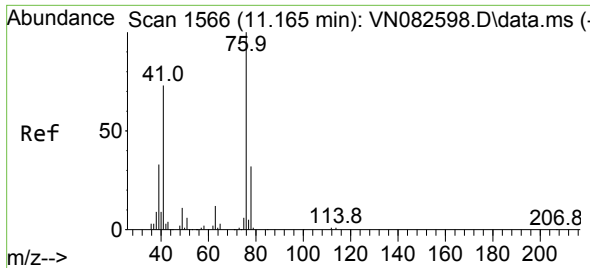
Tgt Ion: 75 Resp: 44394
Ion Ratio Lower Upper
75 100
77 0.8 24.3 36.5#
39 48.3 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.750 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

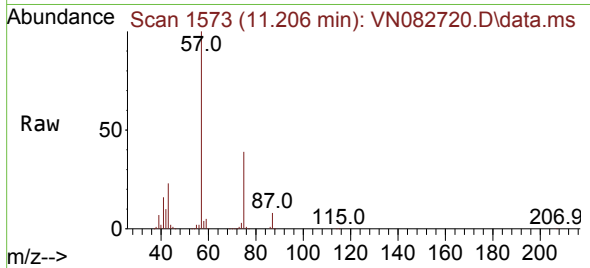
Tgt Ion: 69 Resp: 2162
Ion Ratio Lower Upper
69 100
41 4098.8 63.4 95.2#
39 1942.8 37.4 56.0#



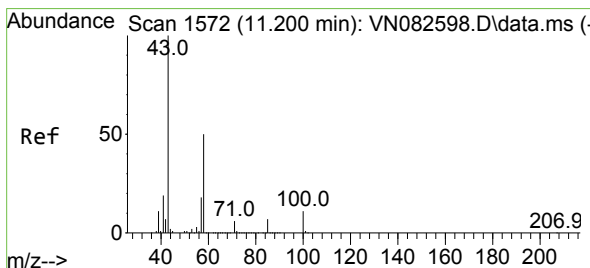
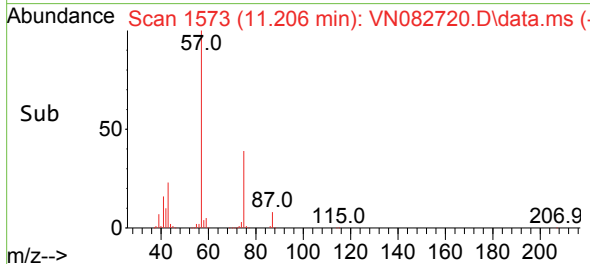
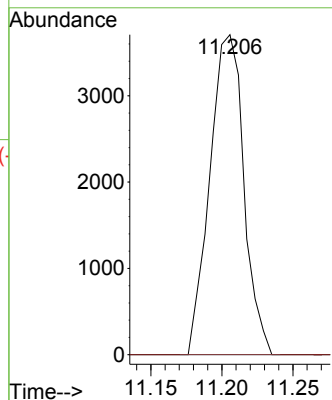


#57
1,3-Dichloropropane
Concen: 1.919 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

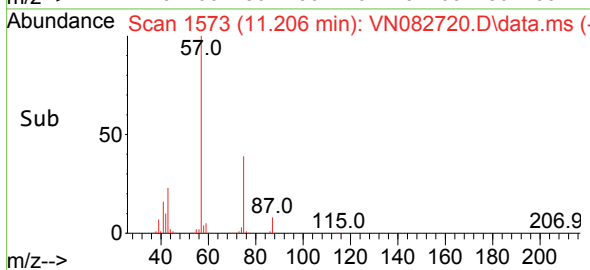
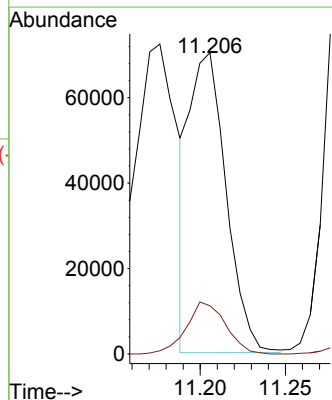
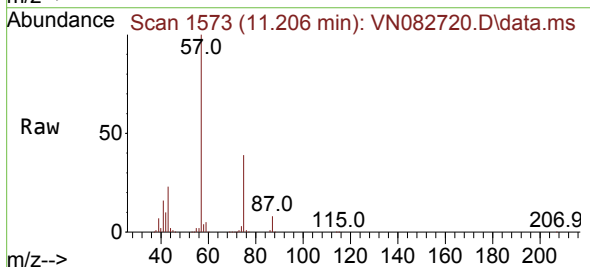


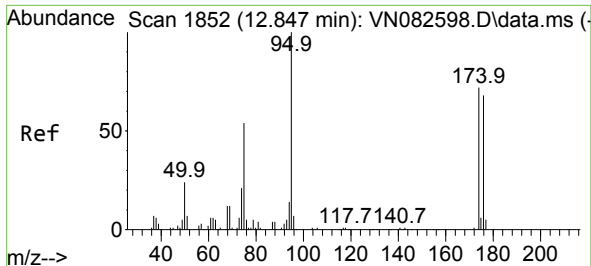
Tgt Ion: 76 Resp: 6171
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 44.254 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

Tgt Ion: 43 Resp: 105412
Ion Ratio Lower Upper
43 100
58 18.5 24.6 73.8#

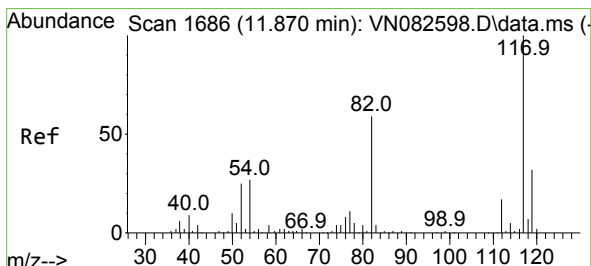
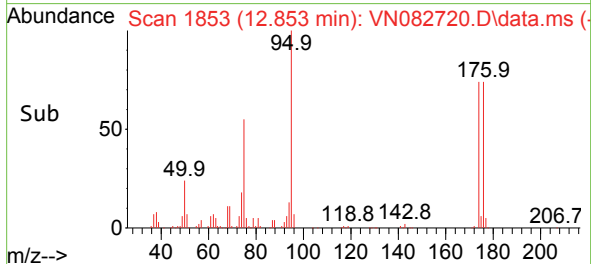
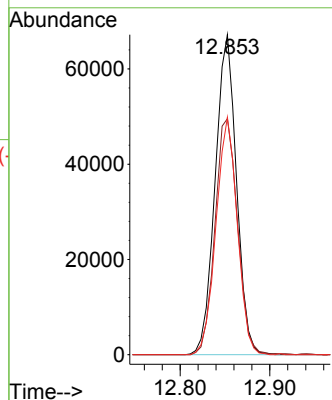
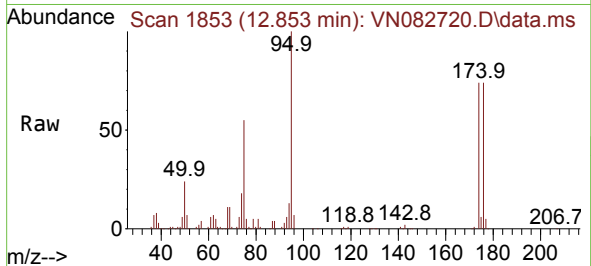




#62
4-Bromofluorobenzene
Concen: 49.438 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

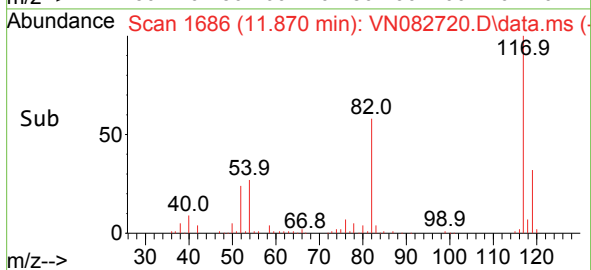
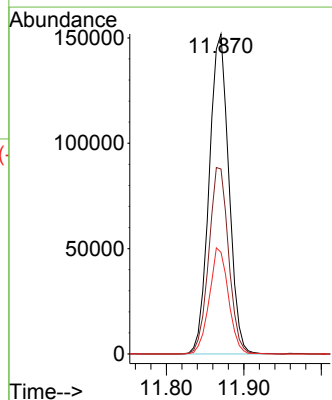
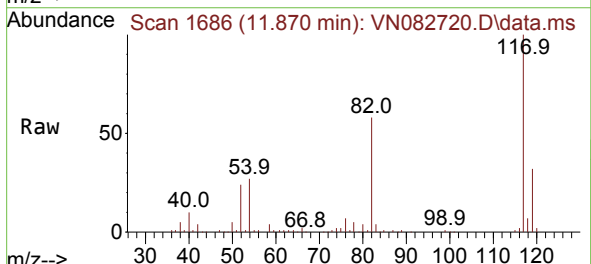
Instrument :
MSVOA_N
ClientSampleId :

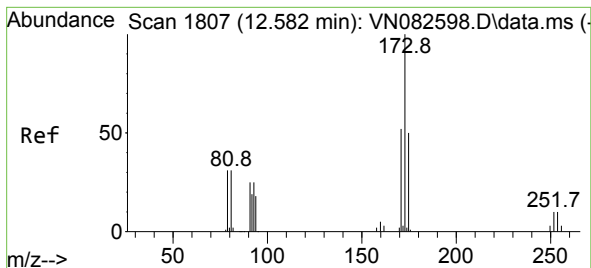
Tgt Ion: 95 Resp: 110672
Ion Ratio Lower Upper
95 100
174 78.4 0.0 159.2
176 74.1 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

Tgt Ion: 117 Resp: 267332
Ion Ratio Lower Upper
117 100
82 57.8 47.5 71.3
119 31.8 25.6 38.4





#71

Bromoform

Concen: 0.395 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

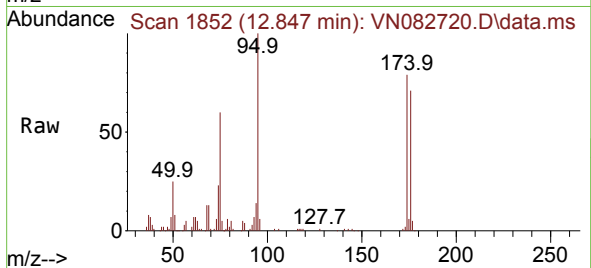
Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

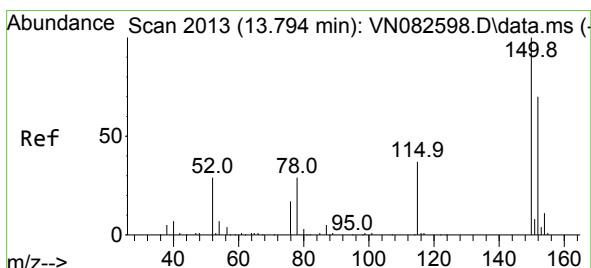
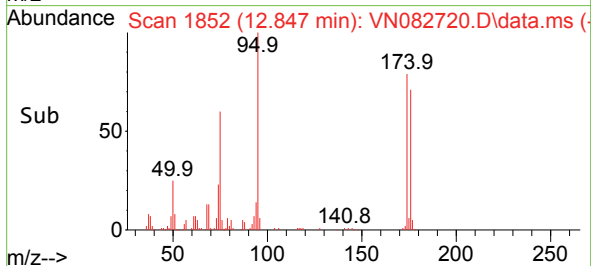
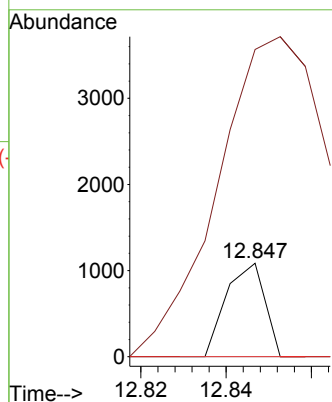
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	682
Ion Ratio	Lower	Upper	
173	100		
175	811.9	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

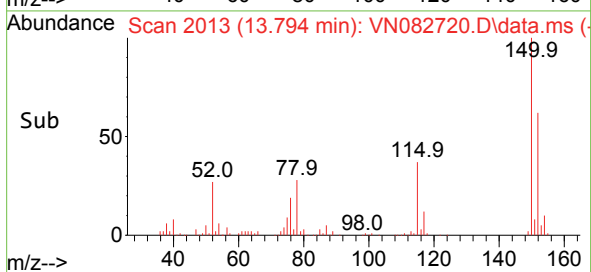
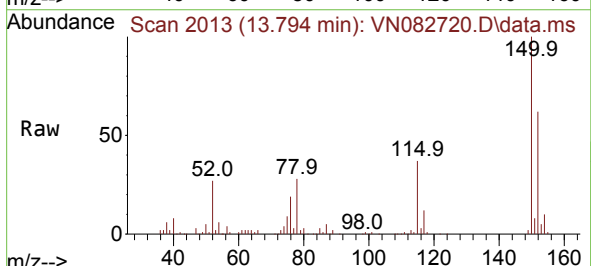
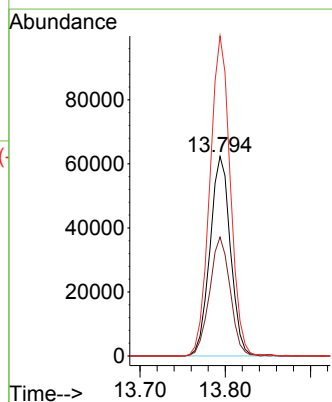
RT: 13.794 min Scan# 2013

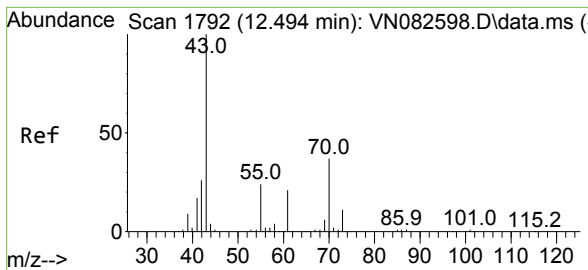
Delta R.T. 0.000 min

Lab File: VN082720.D

Acq: 25 Jun 2024 16:11

Tgt Ion:	152	Resp:	104082
Ion Ratio	Lower	Upper	
152	100		
115	59.8	30.6	91.6
150	159.6	0.0	348.6

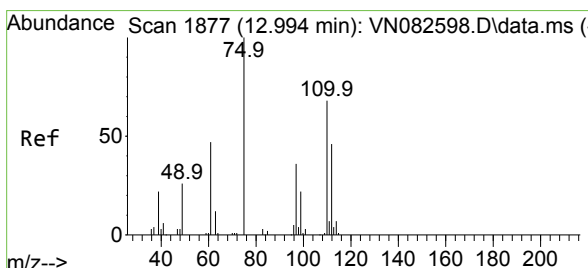
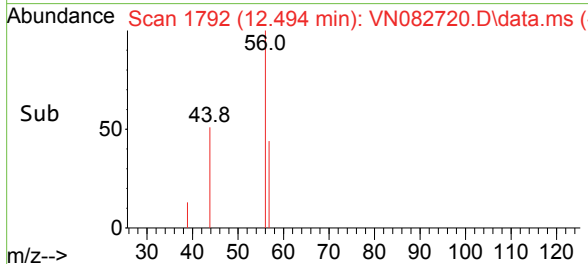
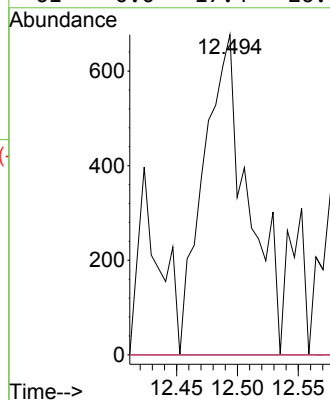
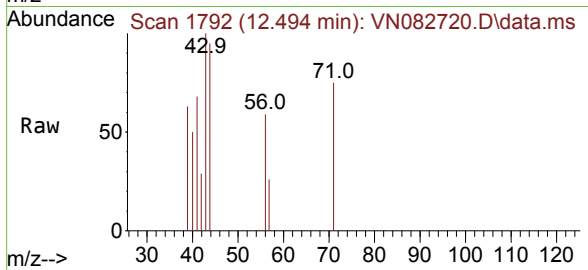




#74
N-amy1 acetate
Concen: 0.407 ug/l
RT: 12.494 min Scan# 1718
Delta R.T. 0.000 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

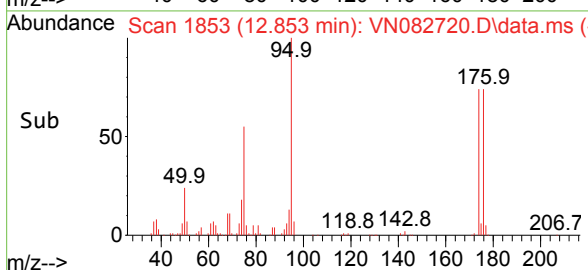
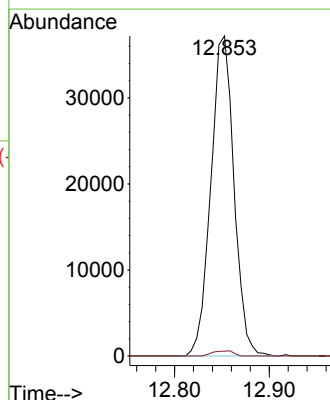
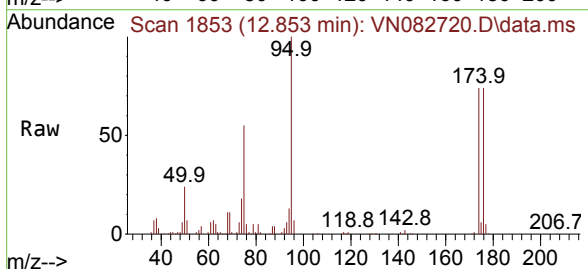
Instrument :
MSVOA_N
ClientSampleId :

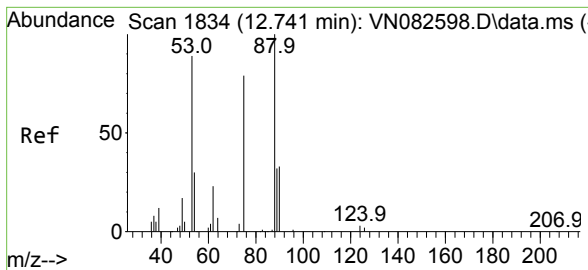
Tgt Ion: 43	Resp: 1718
Ion Ratio	Lower Upper
43	100
70	0.0 29.8 44.6#
55	0.0 18.7 28.1#
61	0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 24.868 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082720.D
Acq: 25 Jun 2024 16:11

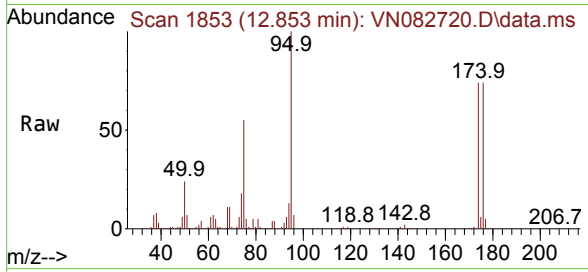
Tgt Ion: 75	Resp: 63306
Ion Ratio	Lower Upper
75	100
77	1.4 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.495 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082720.D
 Acq: 25 Jun 2024 16:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	63306
Ion	Ratio	Lower	Upper
75	100		
53	0.1	88.4	132.6#
89	0.0	36.3	54.5#

