

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070124\
 Data File : VN082763.D
 Acq On : 01 Jul 2024 14:15
 Operator : JC\MD
 Sample : P3110-04
 Misc : 1.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 00:07:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

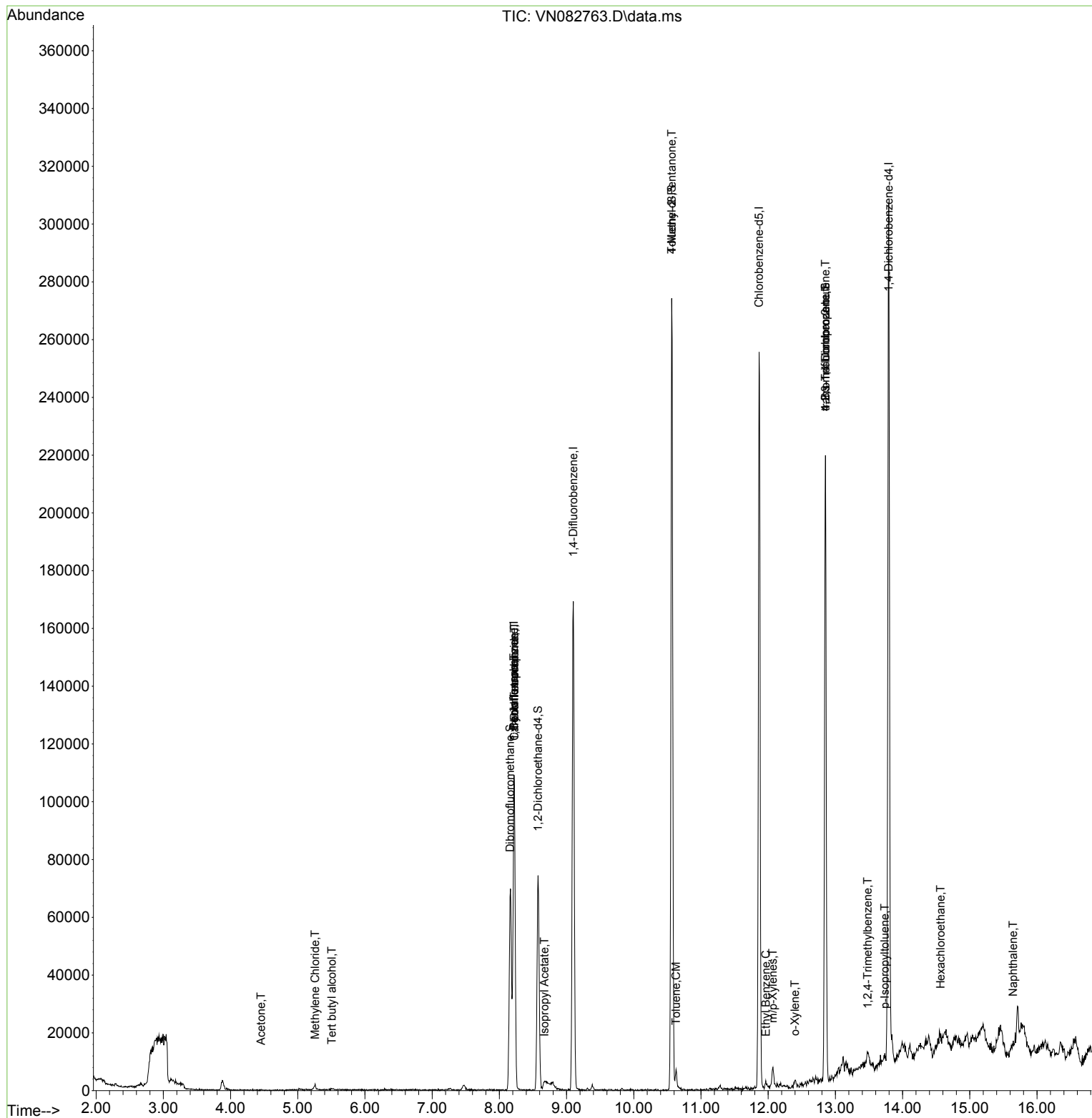
Internal Standards						
1) Pentafluorobenzene	8.218	168	77245	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	9.100	114	145987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	146424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	74594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	61809	51.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.780%			
35) Dibromofluoromethane	8.159	113	49409	51.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	10.565	98	186958	52.011	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.020%			
62) 4-Bromofluorobenzene	12.853	95	72812	58.984	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 117.960%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	132	0.694	ug/l #	71
16) Acetone	4.453	43	227	0.503	ug/l #	48
20) Methylene Chloride	5.259	84	923	0.808	ug/l #	69
31) Cyclohexane	8.218	56	2153	1.283	ug/l #	18
36) 1,1-Dichloropropene	8.224	75	7034	5.091	ug/l #	49
38) Carbon Tetrachloride	8.224	117	8358	5.173	ug/l #	18
43) Isopropyl Acetate	8.671	43	3437	0.808	ug/l #	60
51) 4-Methyl-2-Pentanone	10.565	43	1086	0.711	ug/l #	1
52) Toluene	10.629	92	2171	0.816	ug/l	77
67) Ethyl Benzene	11.965	91	1638	0.302	ug/l	99
68) m/p-Xylenes	12.070	106	2152	1.067	ug/l	80
69) o-Xylene	12.400	106	673	0.346	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	41282	25.372	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	41282	66.168	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.482	105	1196	0.271	ug/l	86
86) p-Isopropyltoluene	13.735	119	1104	0.261	ug/l	96
90) Hexachloroethane	14.564	117	209	0.223	ug/l	77
95) Naphthalene	15.647	128	1255	0.315	ug/l #	34

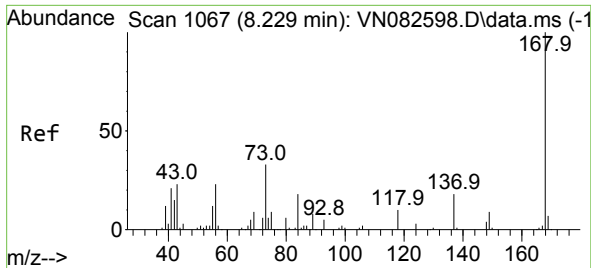
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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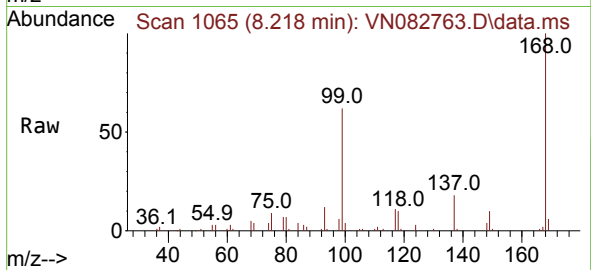
Quant Time: Jul 02 00:07:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
Response via : Initial Calibration



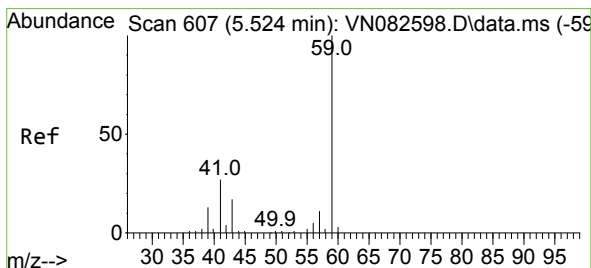
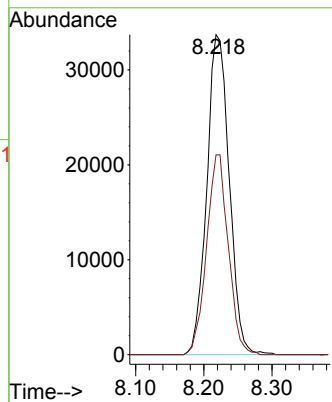
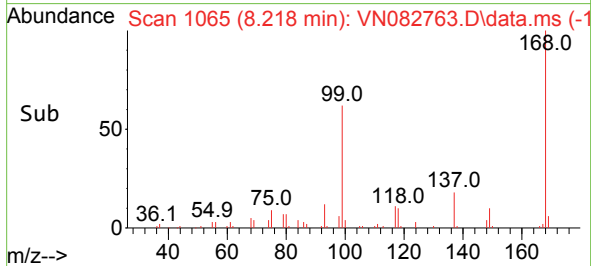


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.011 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

Instrument :
MSVOA_N
ClientSampleId :

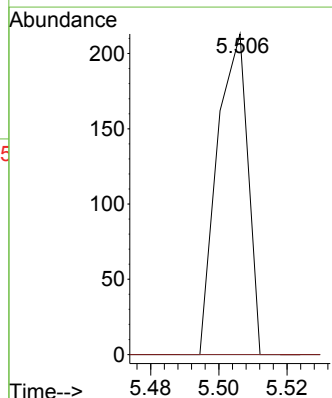
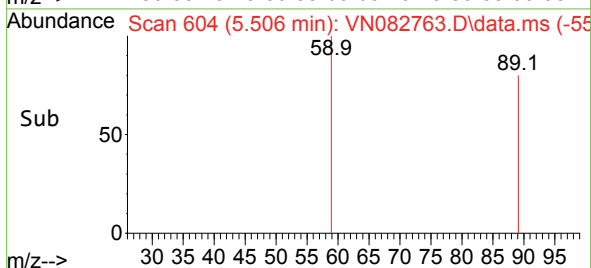
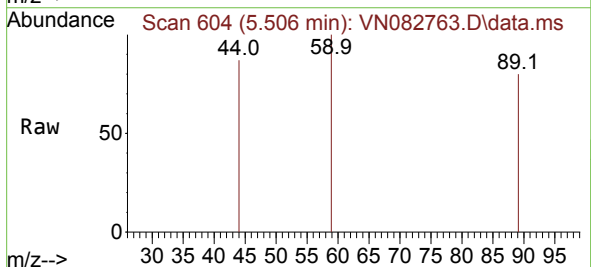


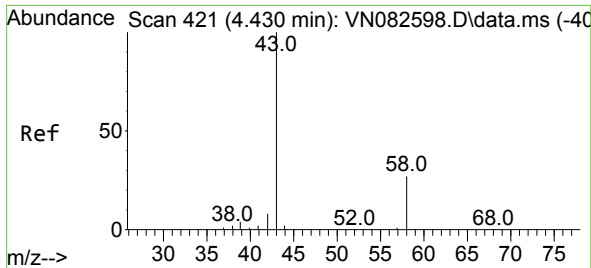
Tgt Ion:168 Resp: 77245
Ion Ratio Lower Upper
168 100
99 62.5 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.694 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#16

Acetone

Concen: 0.503 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.023 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

Instrument :

MSVOA_N

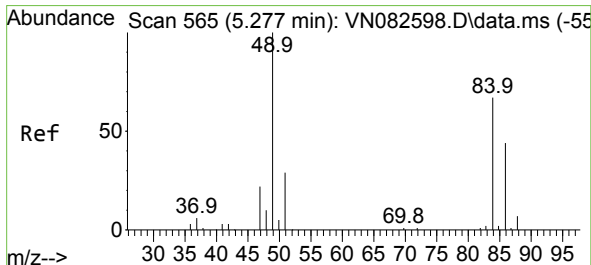
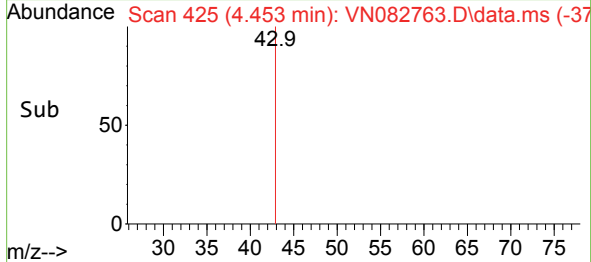
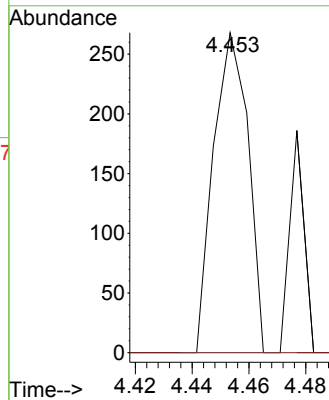
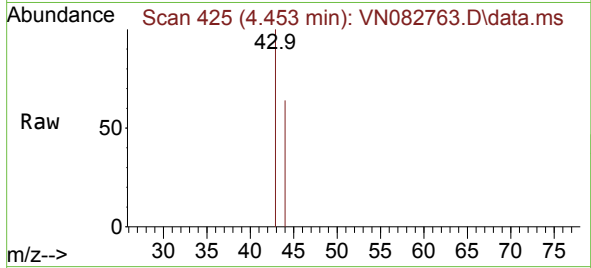
ClientSampleId :

Tgt Ion: 43 Resp: 227

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.6#



#20

Methylene Chloride

Concen: 0.808 ug/l

RT: 5.259 min Scan# 562

Delta R.T. -0.018 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

Tgt Ion: 84 Resp: 923

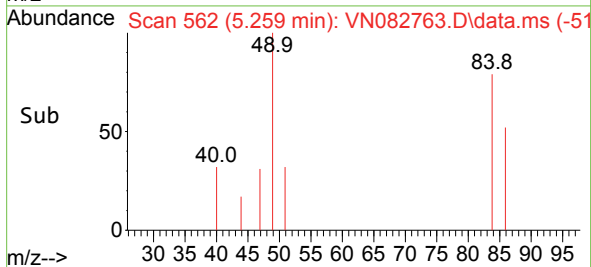
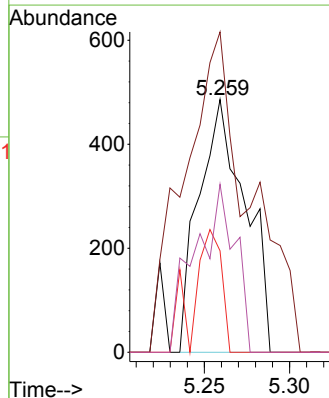
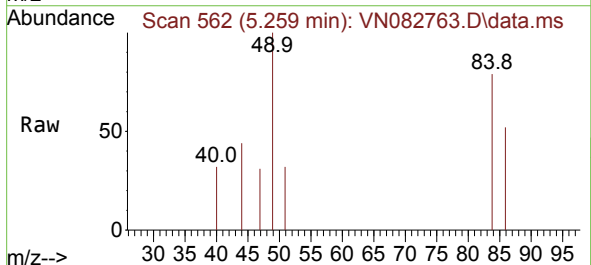
Ion Ratio Lower Upper

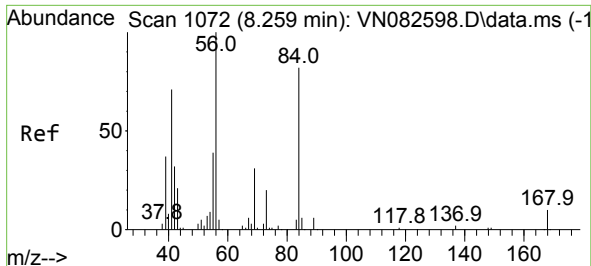
84 100

49 84.6 119.6 179.4#

51 40.1 34.8 52.2

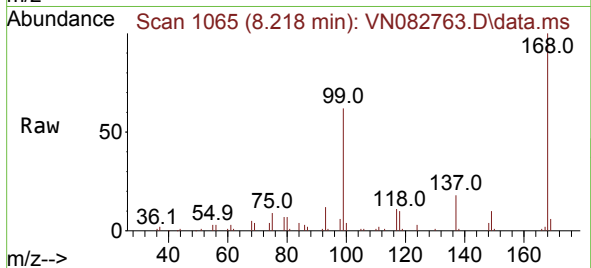
86 66.5 52.9 79.3



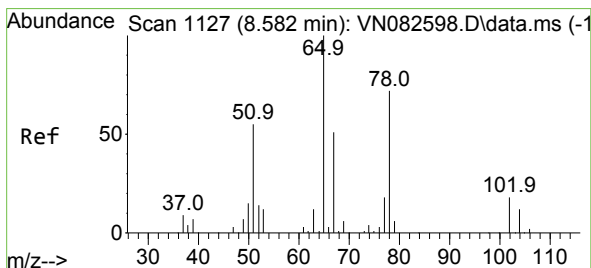
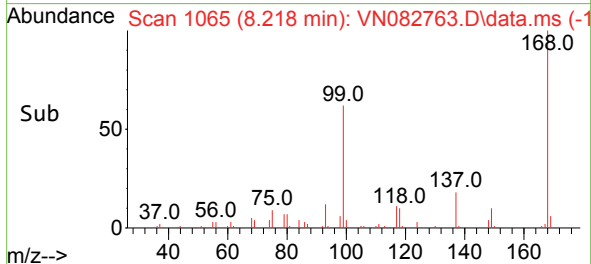
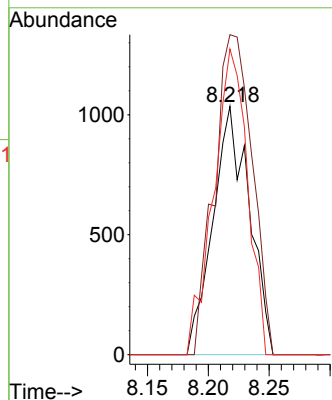


#31
Cyclohexane
Concen: 1.283 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

Instrument :
MSVOA_N
ClientSampleId :

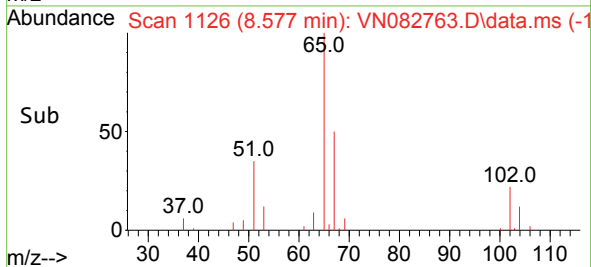
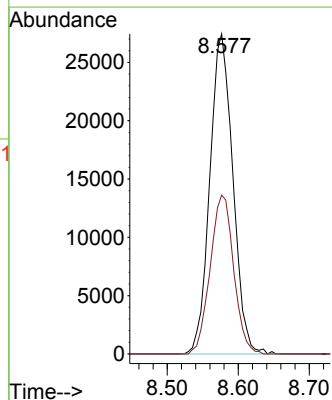
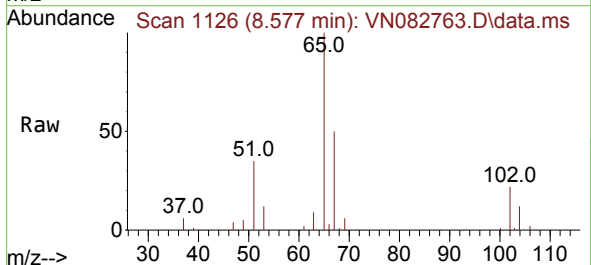


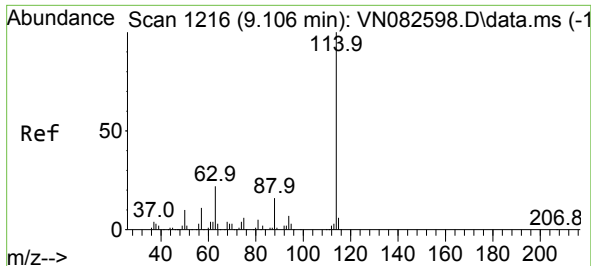
Tgt Ion: 56 Resp: 2153
Ion Ratio Lower Upper
56 100
69 128.9 24.5 36.7#
84 123.1 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 51.887 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

Tgt Ion: 65 Resp: 61809
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.006 min

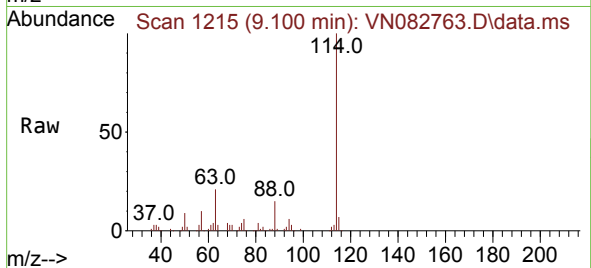
Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

Instrument :

MSVOA_N

ClientSampleId :



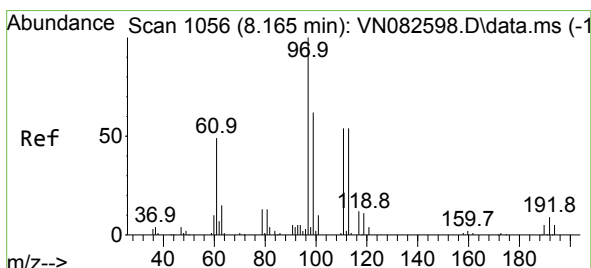
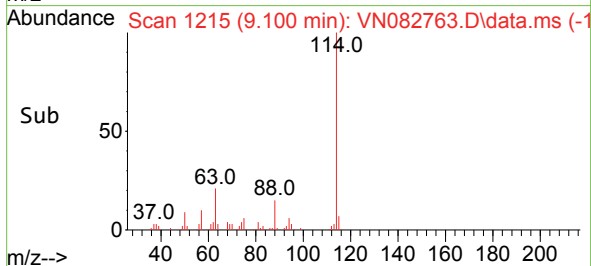
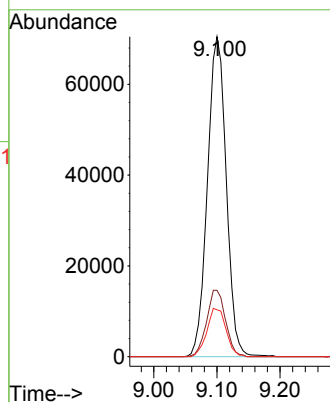
Tgt Ion:114 Resp: 145987

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.6

88 14.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.405 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

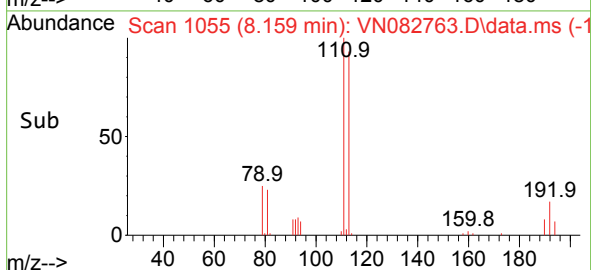
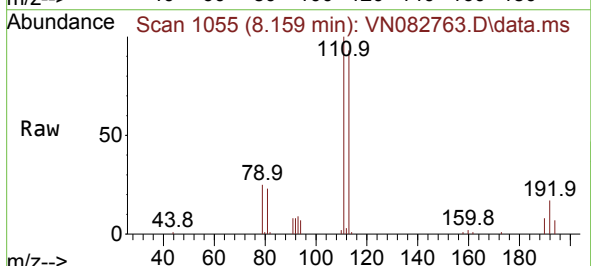
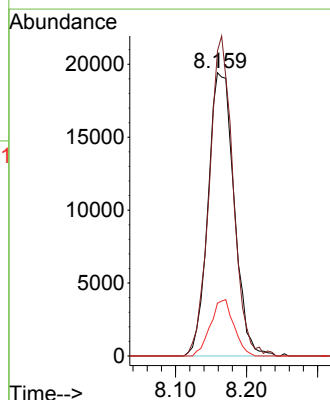
Tgt Ion:113 Resp: 49409

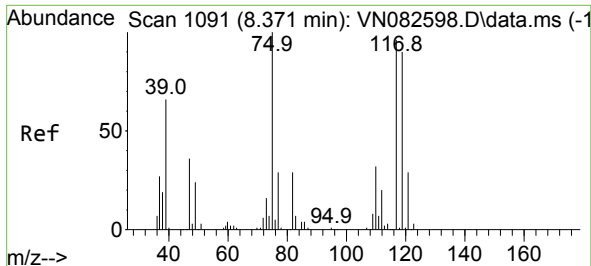
Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 17.9 14.9 22.3

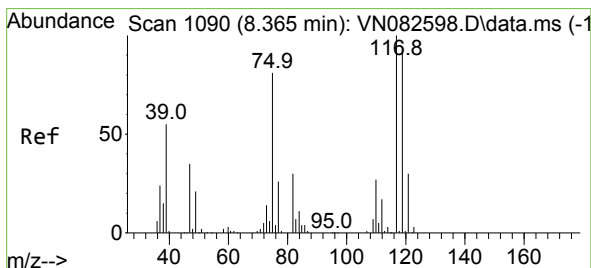
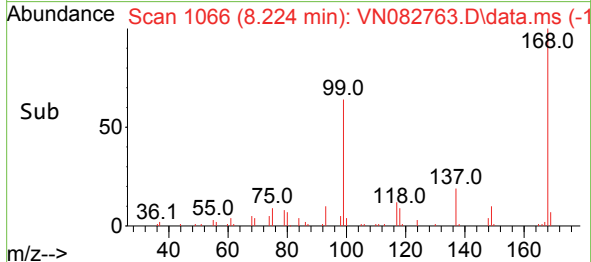
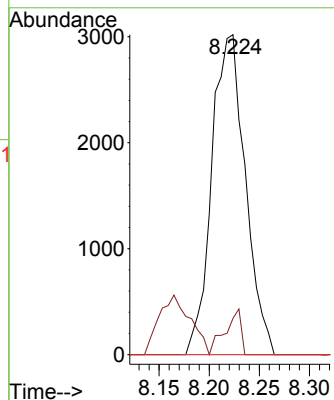
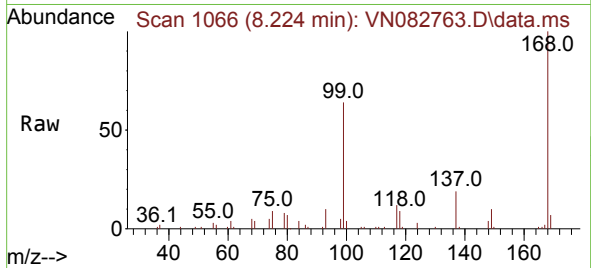




#36
1,1-Dichloropropene
Concen: 5.091 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

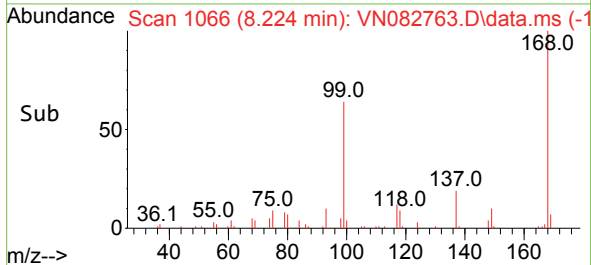
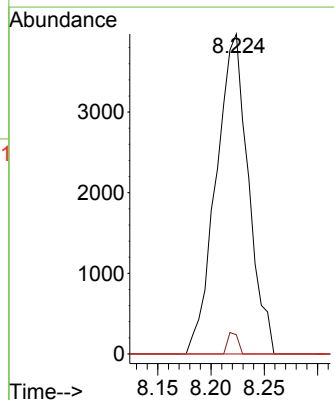
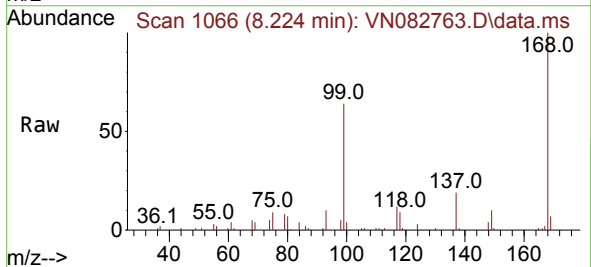
Instrument :
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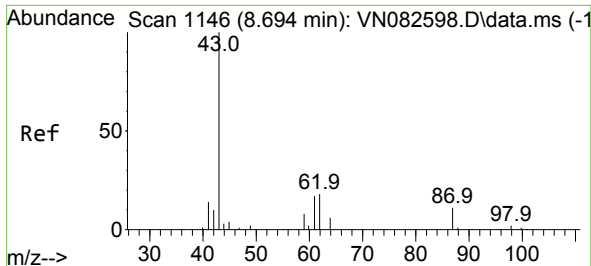
Tgt Ion: 75 Resp: 7034
Ion Ratio Lower Upper
75 100
110 6.7 16.3 48.9#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.173 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

Tgt Ion: 117 Resp: 8358
Ion Ratio Lower Upper
117 100
119 6.0 74.9 112.3#
121 0.0 24.3 36.5#

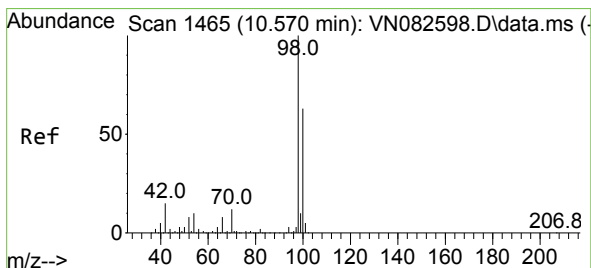
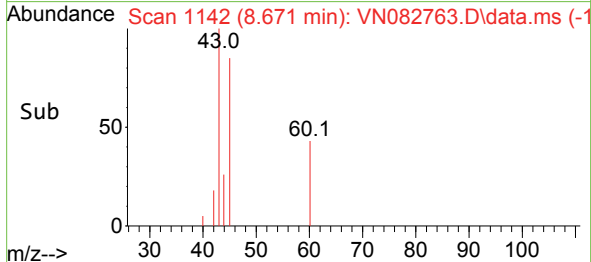
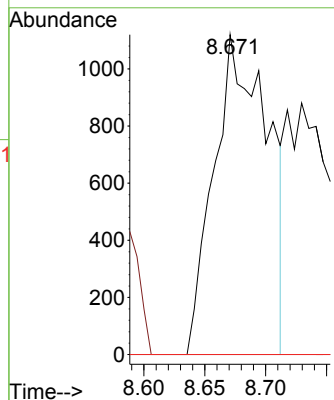
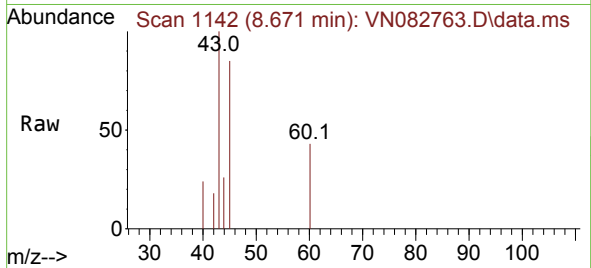




#43
Isopropyl Acetate
Concen: 0.808 ug/l
RT: 8.671 min Scan# 1146
Delta R.T. -0.023 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

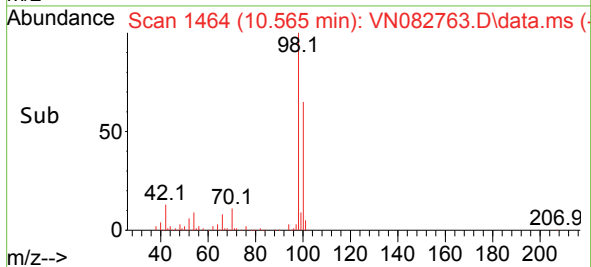
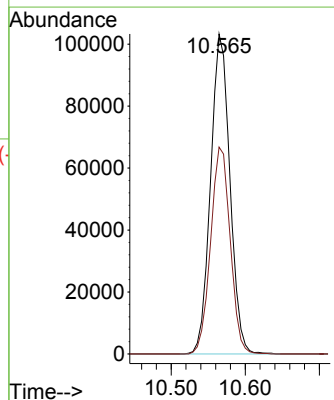
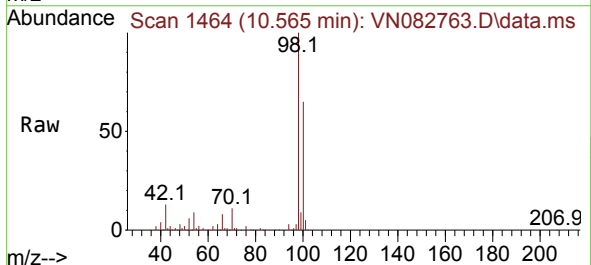
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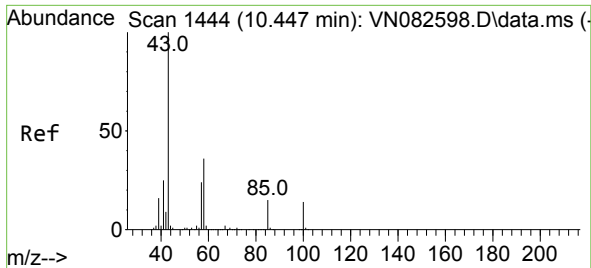
Tgt Ion: 43 Resp: 3437
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 52.011 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.005 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

Tgt Ion: 98 Resp: 186958
Ion Ratio Lower Upper
98 100
100 65.5 51.5 77.3

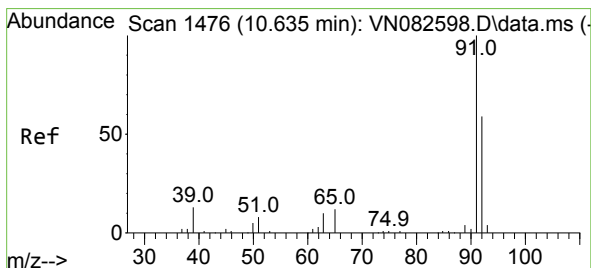
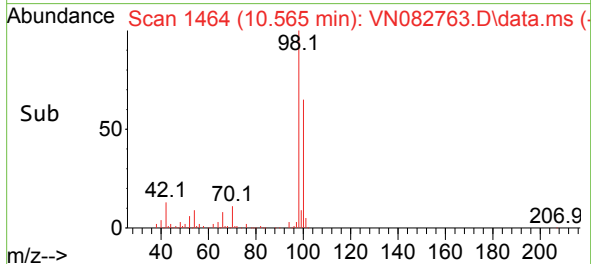
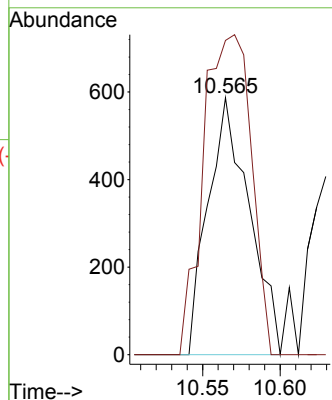
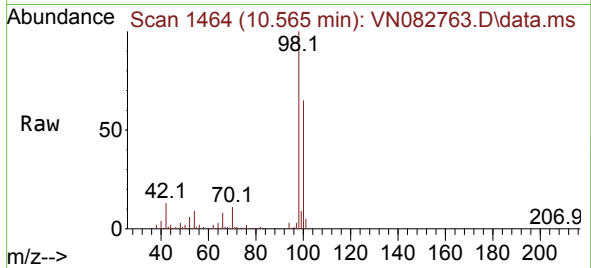




#51
4-Methyl-2-Pentanone
Concen: 0.711 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

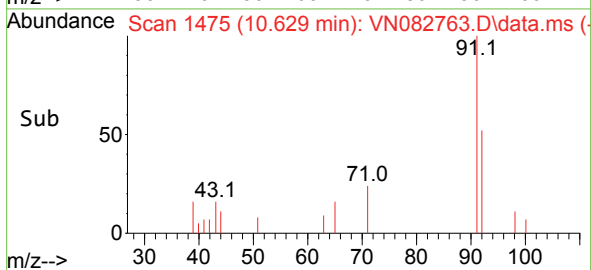
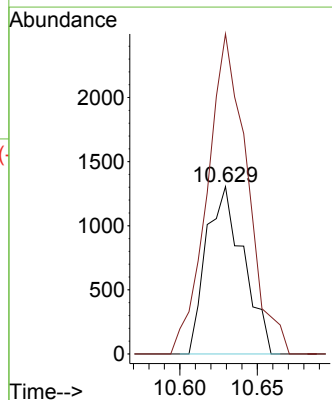
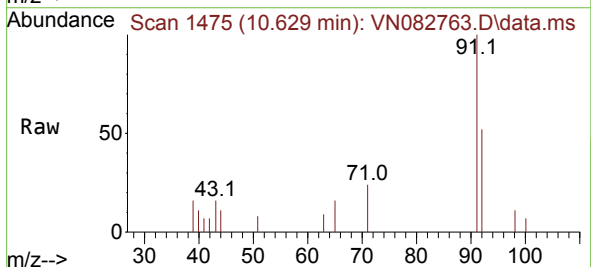
Instrument :
MSVOA_N
ClientSampleId :

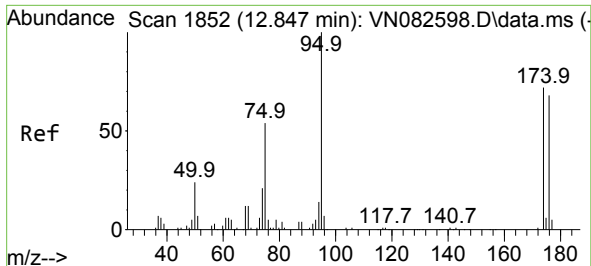
Tgt Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
58 144.4 28.2 42.4#



#52
Toluene
Concen: 0.816 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

Tgt Ion: 92 Resp: 2171
Ion Ratio Lower Upper
92 100
91 205.6 139.4 209.0

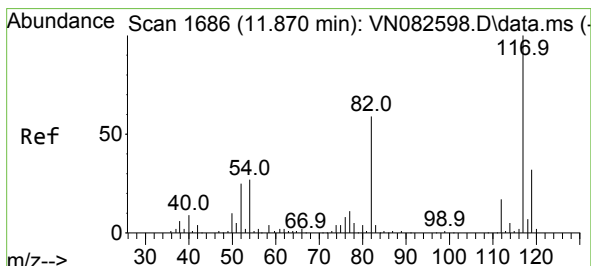
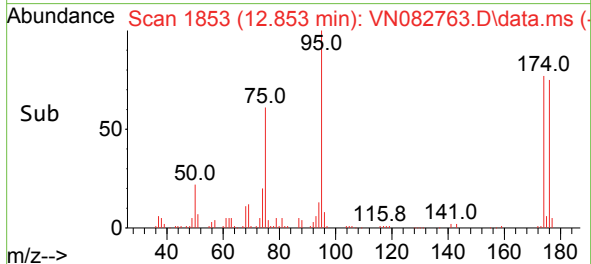
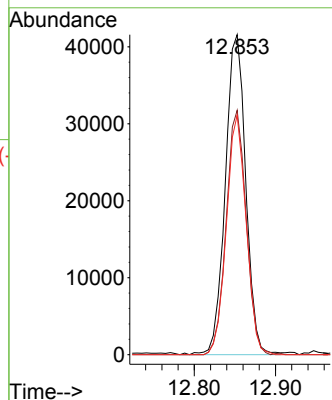
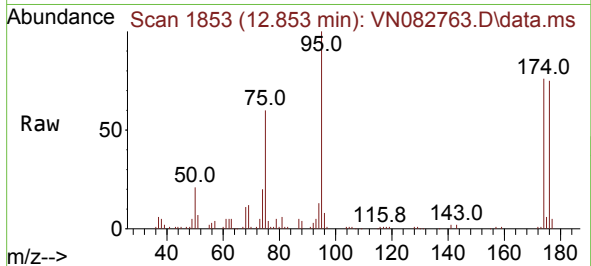




#62
4-Bromofluorobenzene
Concen: 58.984 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

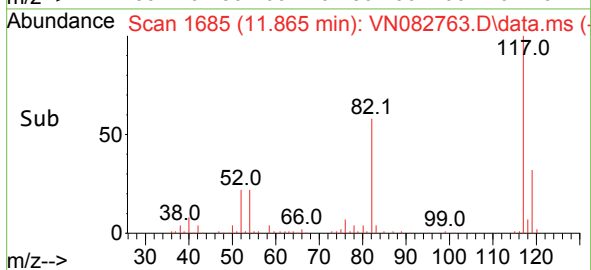
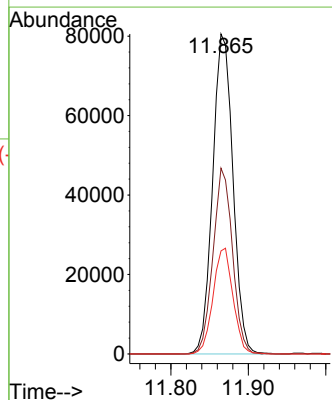
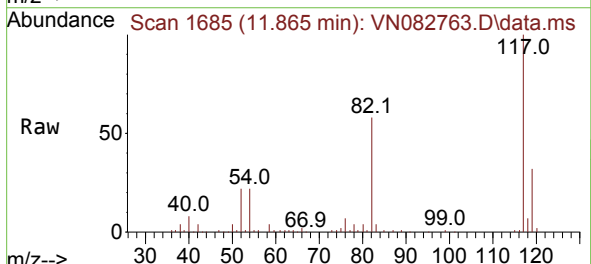
Instrument :
MSVOA_N
ClientSampleId :

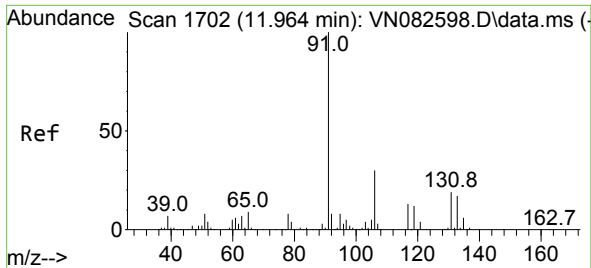
Tgt Ion: 95 Resp: 72812
Ion Ratio Lower Upper
95 100
174 74.5 0.0 159.2
176 72.1 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

Tgt Ion: 117 Resp: 146424
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 32.2 25.6 38.4

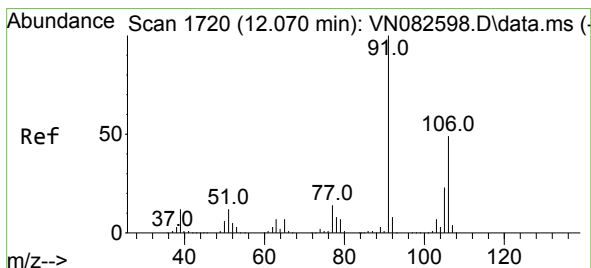
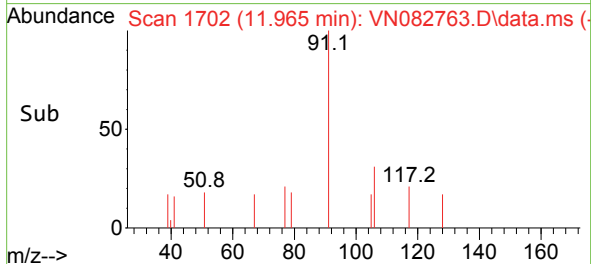
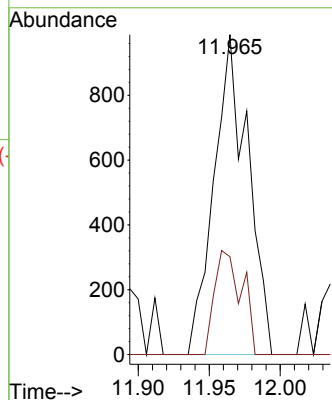
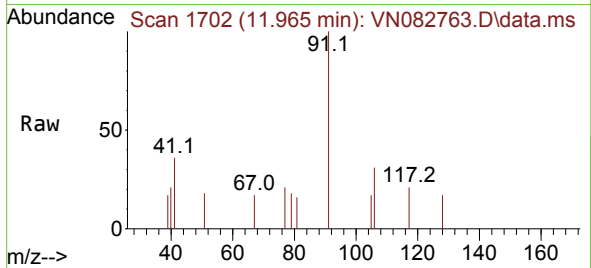




#67
Ethyl Benzene
Concen: 0.302 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.001 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

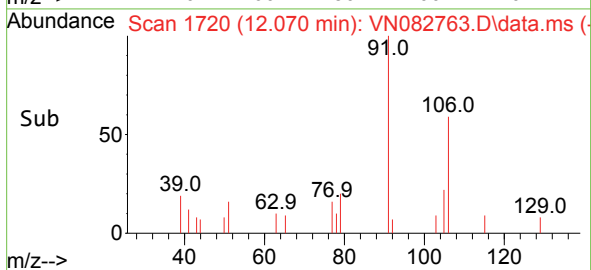
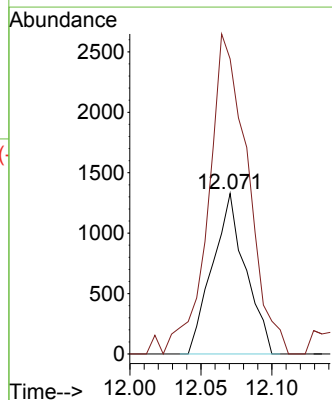
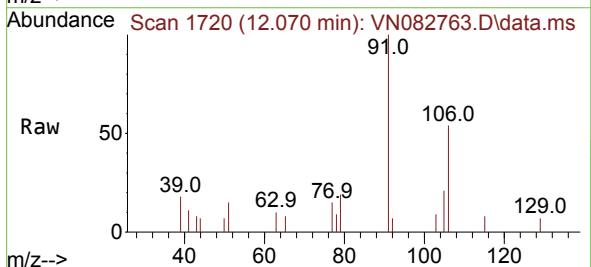
Instrument :
MSVOA_N
ClientSampleId :

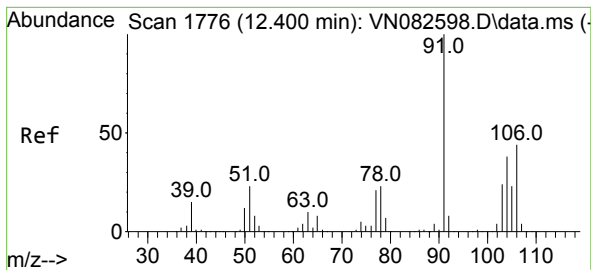
Tgt Ion: 91 Resp: 1638
Ion Ratio Lower Upper
91 100
106 30.6 24.0 36.0



#68
m/p-Xylenes
Concen: 1.067 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN082763.D
Acq: 01 Jul 2024 14:15

Tgt Ion: 106 Resp: 2152
Ion Ratio Lower Upper
106 100
91 238.8 166.1 249.1





#69

o-Xylene

Concen: 0.346 ug/l

RT: 12.400 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

Instrument :

MSVOA_N

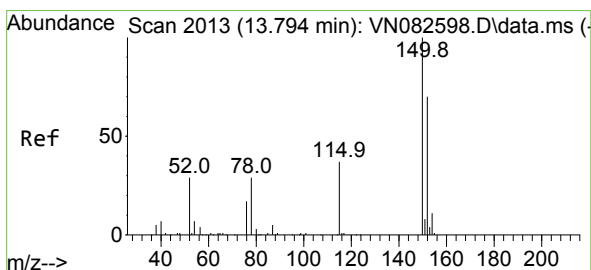
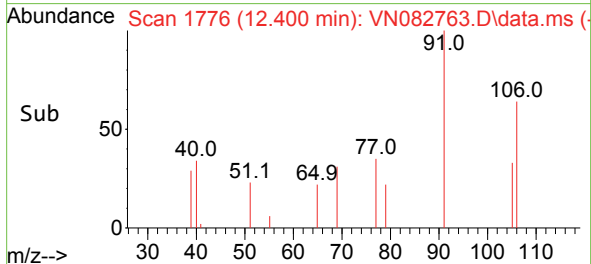
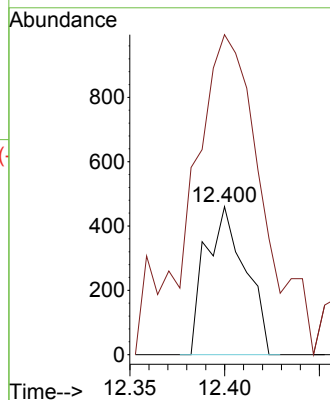
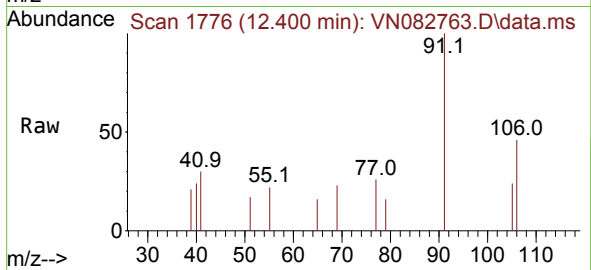
ClientSampleId :

Tgt Ion:106 Resp: 673

Ion Ratio Lower Upper

106 100

91 389.7 111.3 333.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

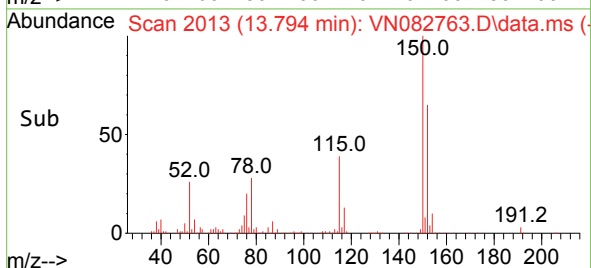
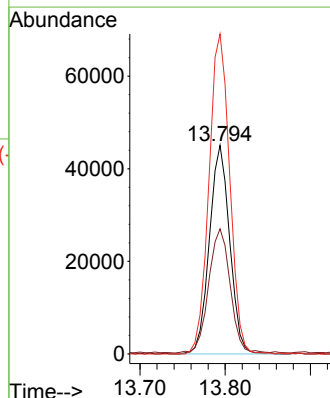
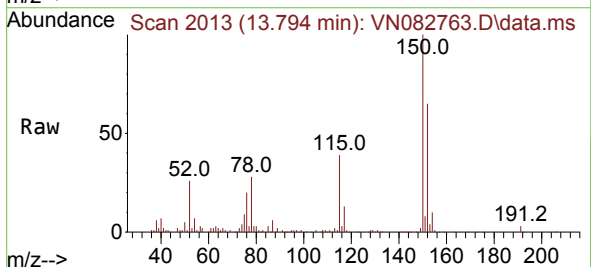
Tgt Ion:152 Resp: 74594

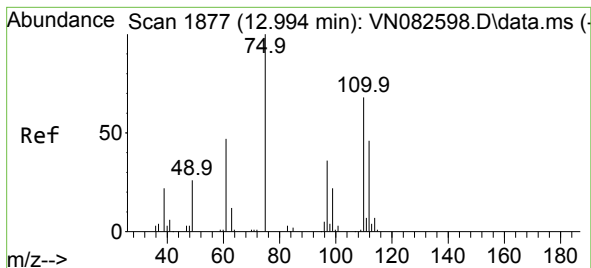
Ion Ratio Lower Upper

152 100

115 62.8 30.6 91.6

150 156.4 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 25.372 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

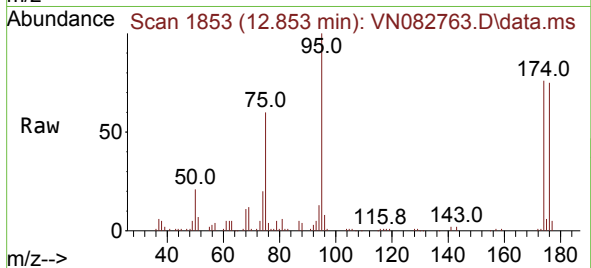
Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

Instrument :

MSVOA_N

ClientSampleId :

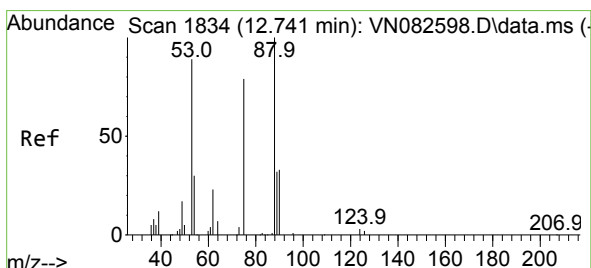
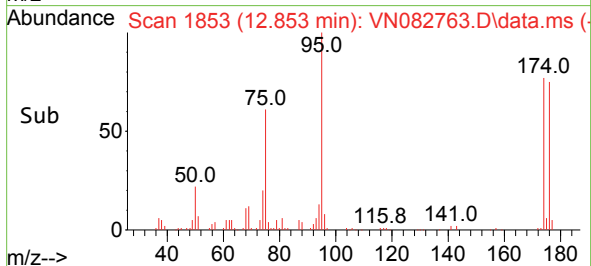
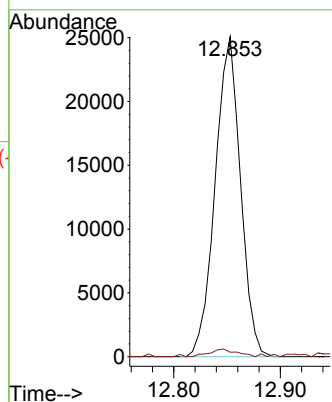


Tgt Ion: 75 Resp: 41282

Ion Ratio Lower Upper

75 100

77 2.5 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.168 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

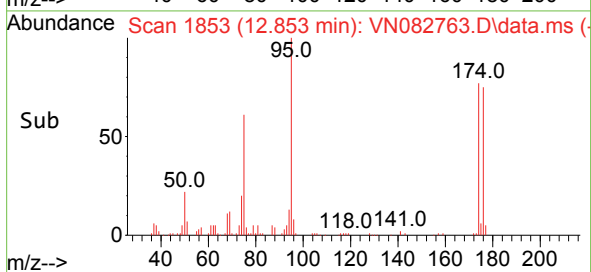
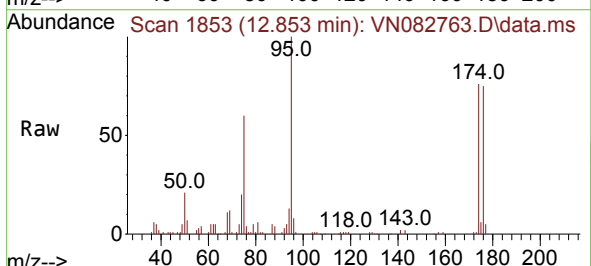
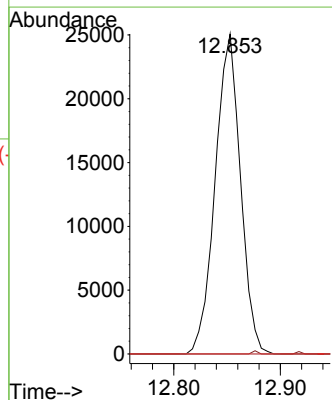
Tgt Ion: 75 Resp: 41282

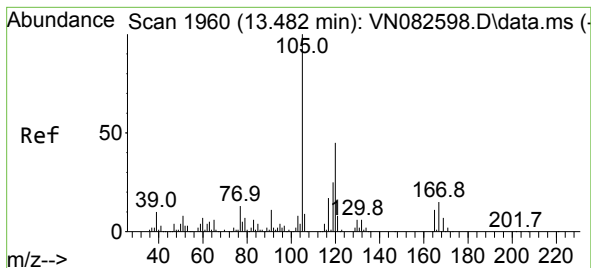
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.271 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

Instrument :

MSVOA_N

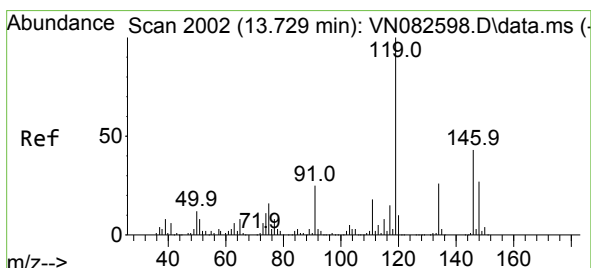
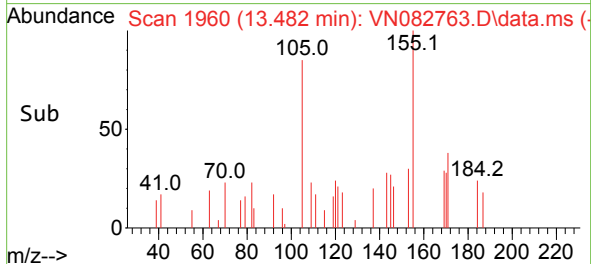
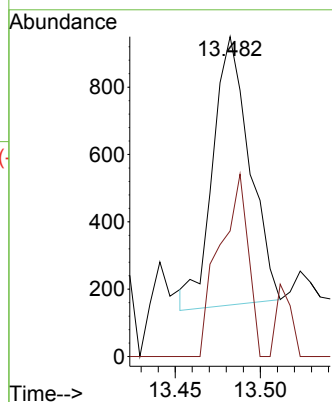
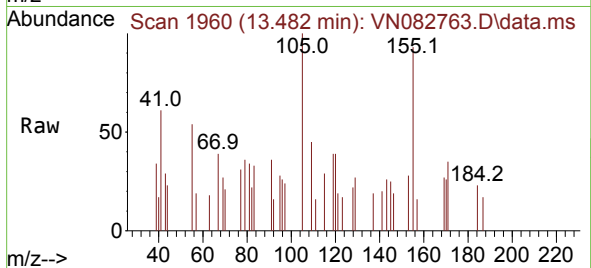
ClientSampleId :

Tgt Ion:105 Resp: 1196

Ion Ratio Lower Upper

105 100

120 52.9 21.9 65.8



#86

p-Isopropyltoluene

Concen: 0.261 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

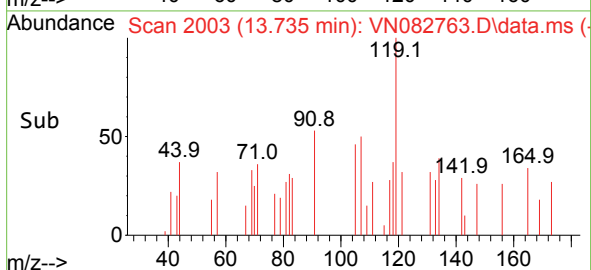
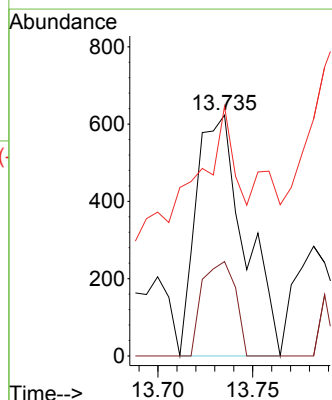
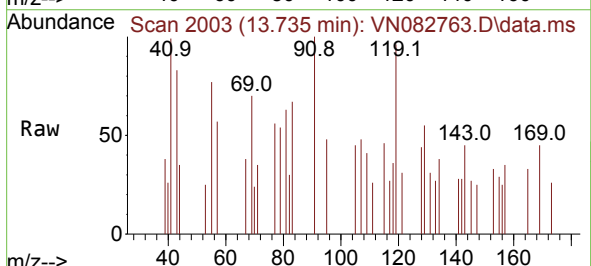
Tgt Ion:119 Resp: 1104

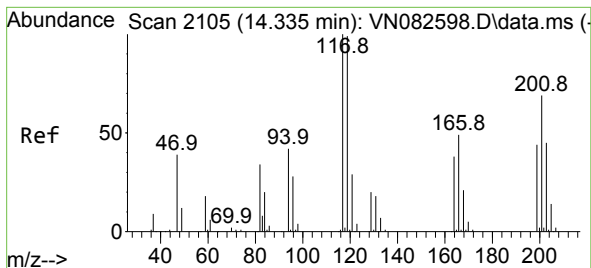
Ion Ratio Lower Upper

119 100

134 27.0 13.0 39.0

91 27.6 12.3 36.9





#90

Hexachloroethane

Concen: 0.223 ug/l

RT: 14.564 min Scan# 2105

Delta R.T. 0.229 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

Instrument :

MSVOA_N

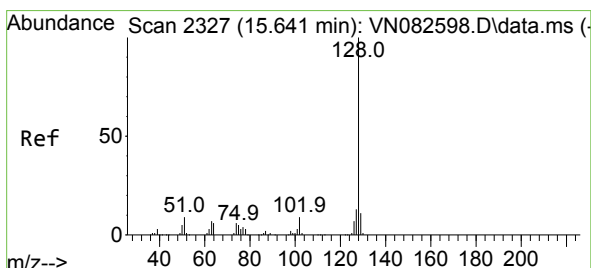
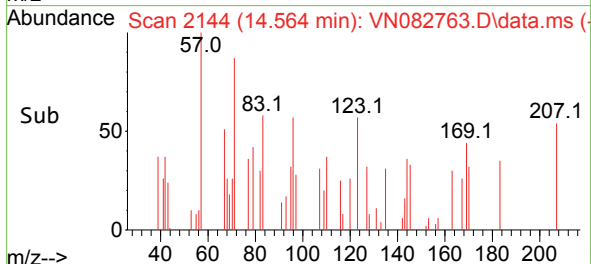
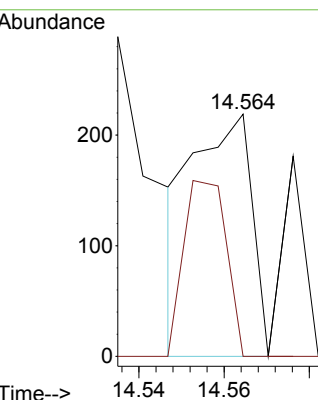
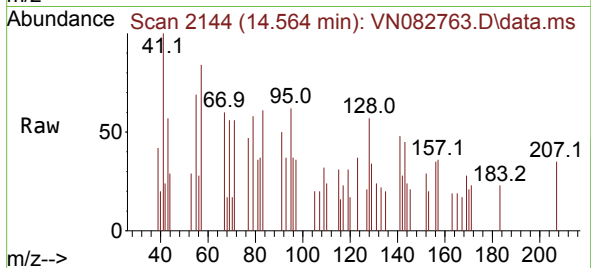
ClientSampleId :

Tgt Ion:117 Resp: 209

Ion Ratio Lower Upper

117 100

201 52.6 35.8 107.3



#95

Naphthalene

Concen: 0.315 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN082763.D

Acq: 01 Jul 2024 14:15

Tgt Ion:128 Resp: 1255

Ion Ratio Lower Upper

128 100

127 49.6 10.6 16.0#

129 24.2 8.6 12.8#

