

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071024\
 Data File : VN082859.D
 Acq On : 10 Jul 2024 16:50
 Operator : JC\MD
 Sample : P3183-01
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 11 03:50:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

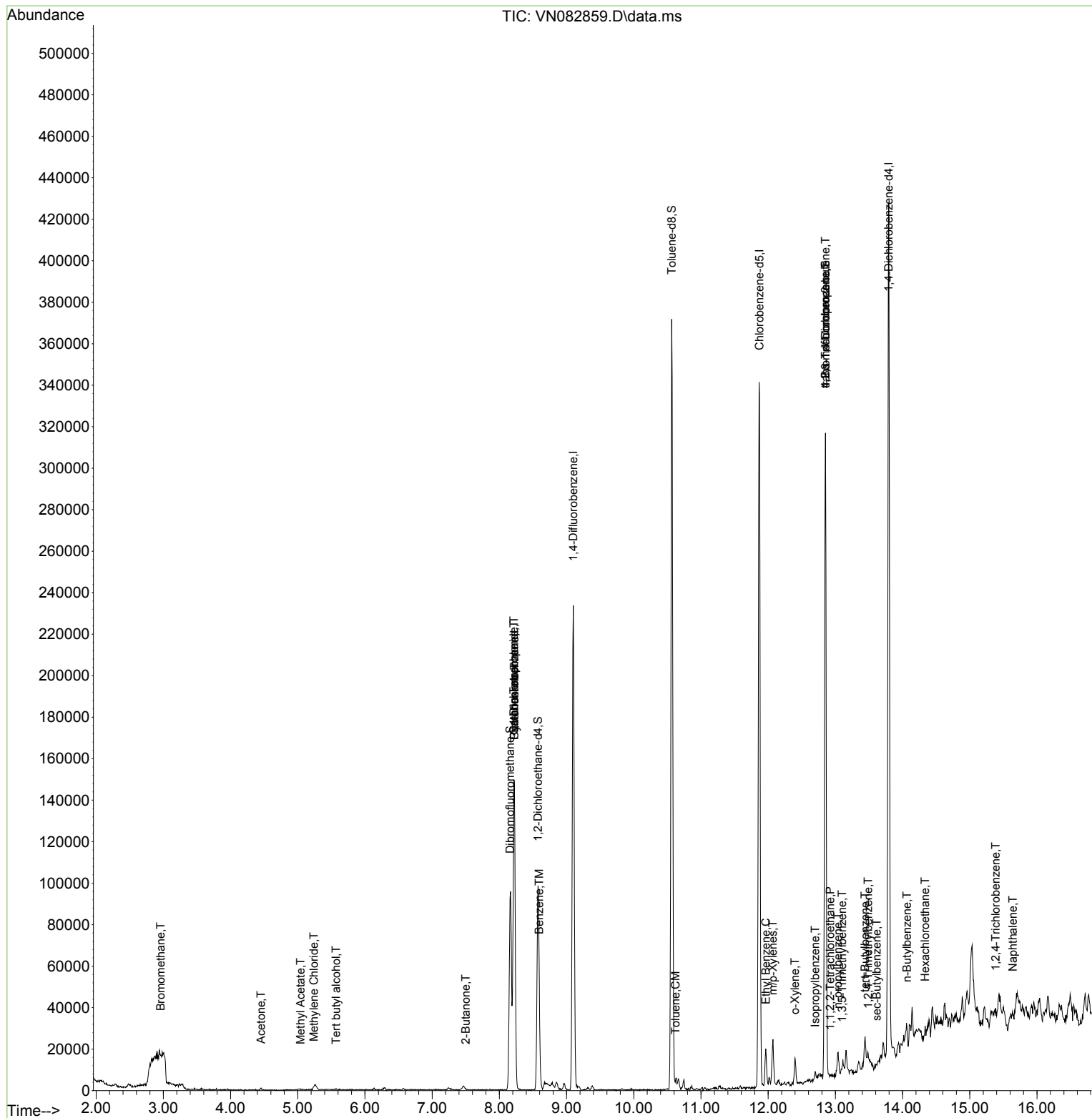
Internal Standards						
1) Pentafluorobenzene	8.224	168	104759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	196184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	195775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	82917	56.463	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.920%	
35) Dibromofluoromethane	8.159	113	67756	53.823	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.640%	
50) Toluene-d8	10.565	98	249813	53.728	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.460%	
62) 4-Bromofluorobenzene	12.853	95	102679	61.478	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 122.960%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.959	94	205	0.210	ug/l #	68
11) Tert butyl alcohol	5.571	59	152	0.615	ug/l #	71
16) Acetone	4.453	43	1216	2.352	ug/l #	48
18) Methyl Acetate	5.042	43	460	0.336	ug/l #	56
20) Methylene Chloride	5.242	84	2028	1.624	ug/l #	60
25) 2-Butanone	7.500	43	367	0.470	ug/l #	53
31) Cyclohexane	8.224	56	2590	1.349	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	9152	5.273	ug/l #	48
38) Carbon Tetrachloride	8.218	117	11744	5.620	ug/l #	17
40) Benzene	8.594	78	4898	0.917	ug/l	94
43) Isopropyl Acetate	8.671	43	3111	Below Cal	#	60
52) Toluene	10.624	92	1915	0.574	ug/l	92
67) Ethyl Benzene	11.965	91	13060	1.852	ug/l	98
68) m/p-Xylenes	12.071	106	5382	2.022	ug/l	96
69) o-Xylene	12.400	106	3038	1.191	ug/l	89
73) Isopropylbenzene	12.700	105	2586	0.332	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.923	83	495	0.212	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	57988	31.381	ug/l #	1
78) n-propylbenzene	13.035	91	8412	0.939	ug/l	91
80) 1,3,5-Trimethylbenzene	13.100	105	1294	0.206	ug/l	82
81) trans-1,4-Dichloro-2-b...	12.853	75	57988	61.718	ug/l #	6
83) tert-Butylbenzene	13.441	119	6610	1.184	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	3514	0.548	ug/l	85
85) sec-Butylbenzene	13.617	105	1654	0.219	ug/l #	64
89) n-Butylbenzene	14.065	91	4006	0.743	ug/l	92
90) Hexachloroethane	14.335	117	561	0.421	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.388	180	815	0.429	ug/l #	1
95) Naphthalene	15.641	128	3346	0.515	ug/l #	83

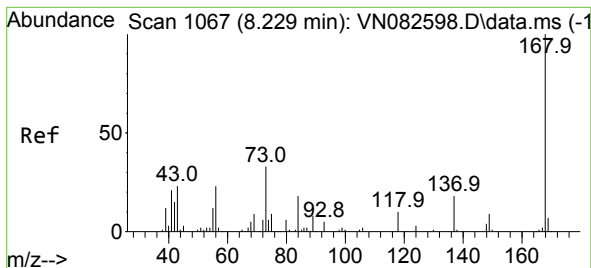
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.005 min

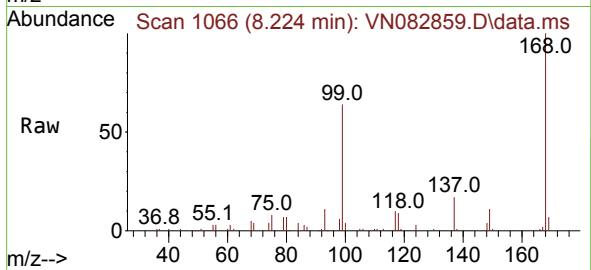
Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :

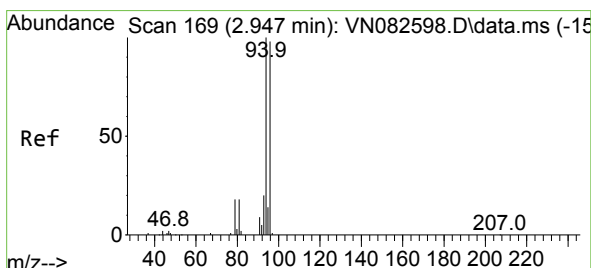
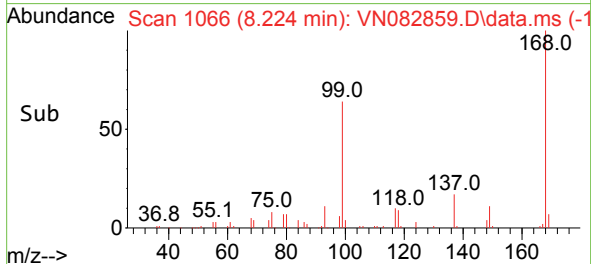
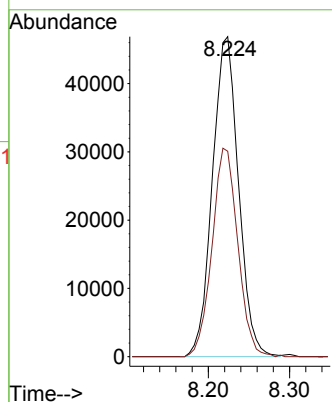


Tgt Ion:168 Resp: 104759

Ion Ratio Lower Upper

168 100

99 64.2 48.2 72.4



#5

Bromomethane

Concen: 0.210 ug/l

RT: 2.959 min Scan# 171

Delta R.T. 0.012 min

Lab File: VN082859.D

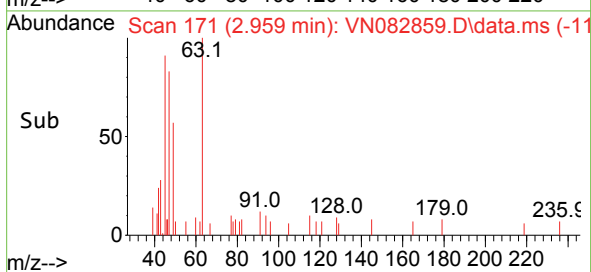
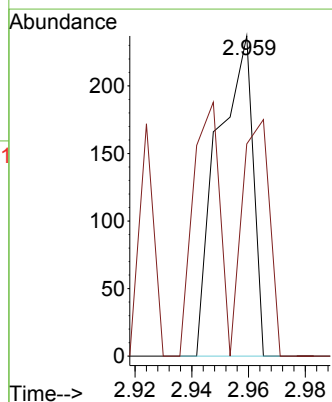
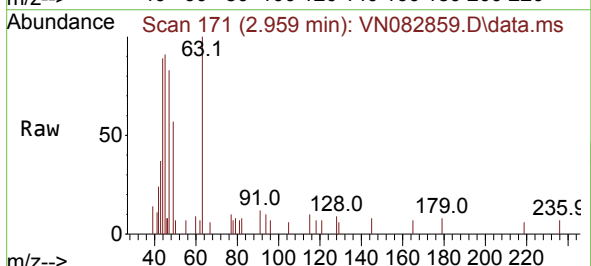
Acq: 10 Jul 2024 16:50

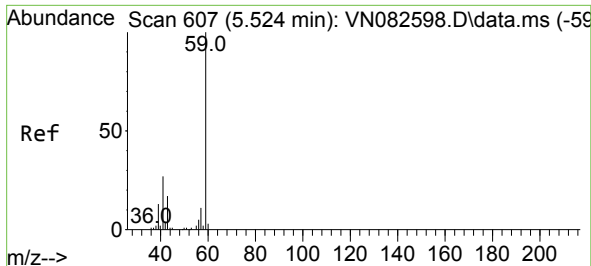
Tgt Ion: 94 Resp: 205

Ion Ratio Lower Upper

94 100

96 66.2 78.0 117.0#

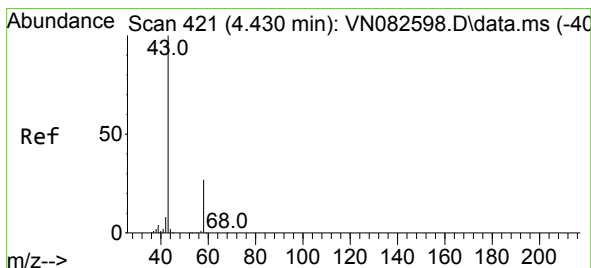
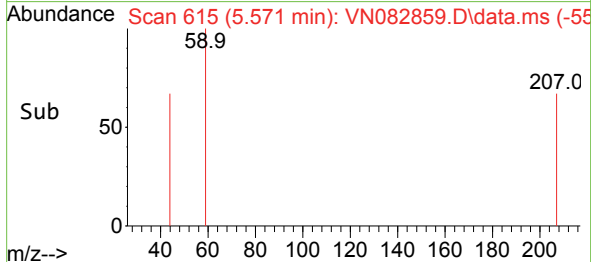
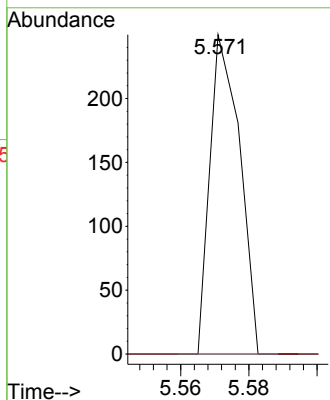
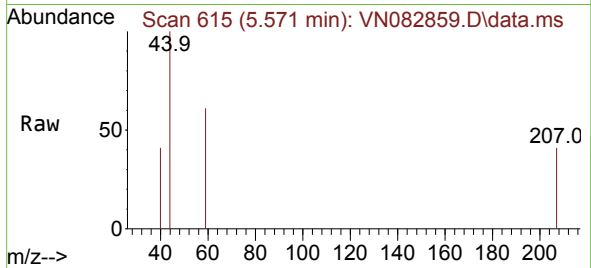




#11
Tert butyl alcohol
Concen: 0.615 ug/l
RT: 5.571 min Scan# 615
Delta R.T. 0.047 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

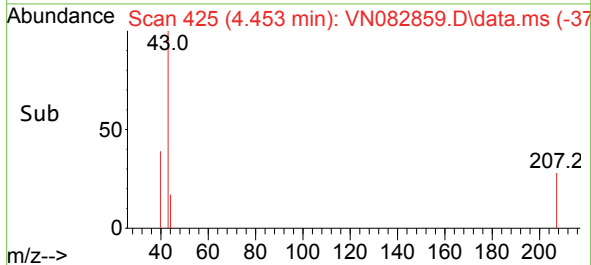
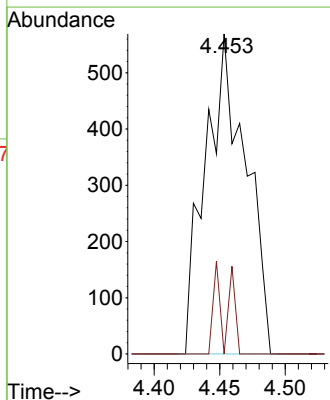
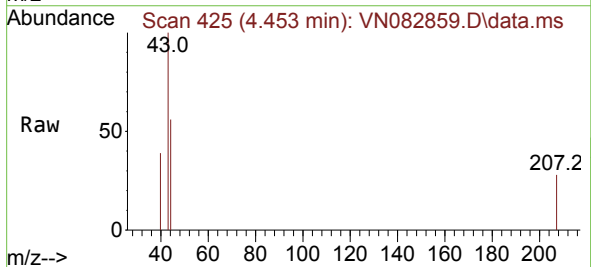
Instrument :
MSVOA_N
ClientSampleId :

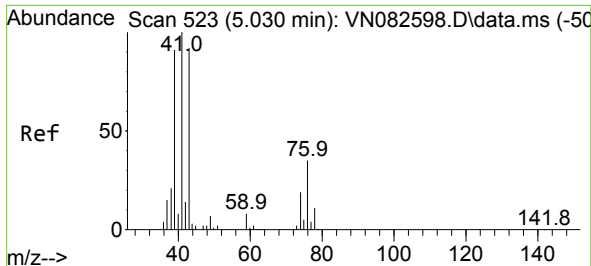
Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 2.352 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

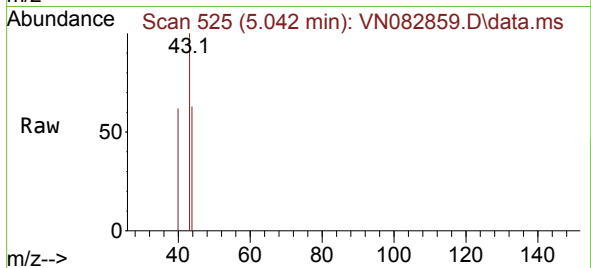
Tgt Ion: 43 Resp: 1216
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#



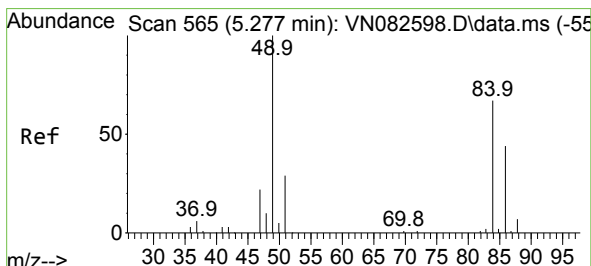
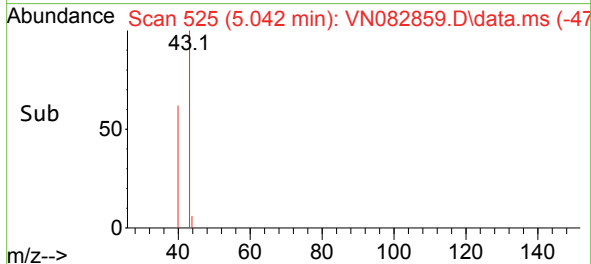
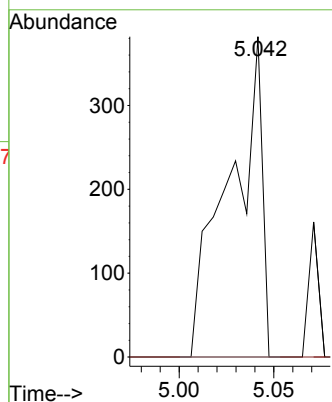


#18
Methyl Acetate
Concen: 0.336 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

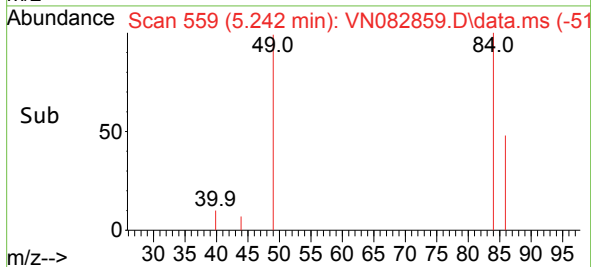
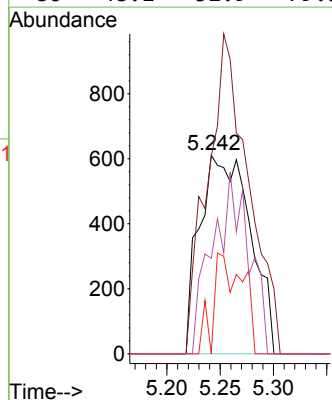
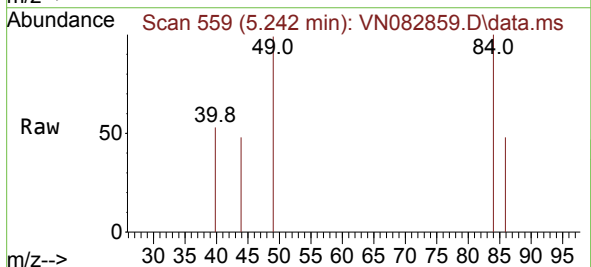


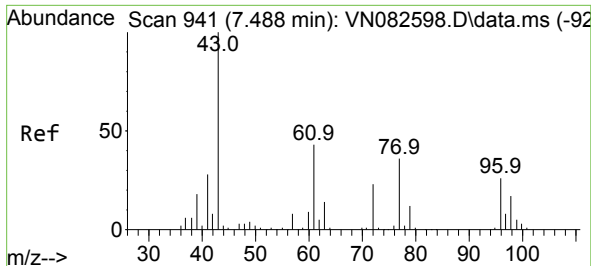
Tgt Ion: 43 Resp: 460
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 1.624 ug/l
RT: 5.242 min Scan# 559
Delta R.T. -0.035 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

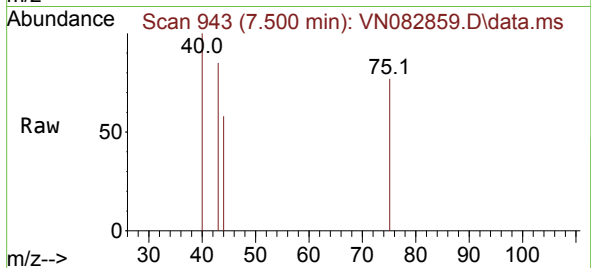
Tgt Ion: 84 Resp: 2028
Ion Ratio Lower Upper
84 100
49 99.3 119.6 179.4#
51 0.0 34.8 52.2#
86 48.1 52.9 79.3#



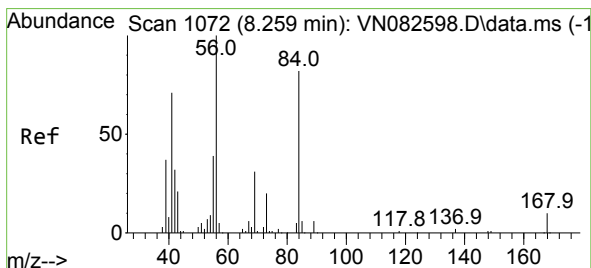
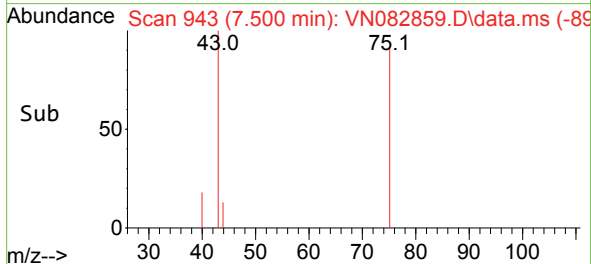
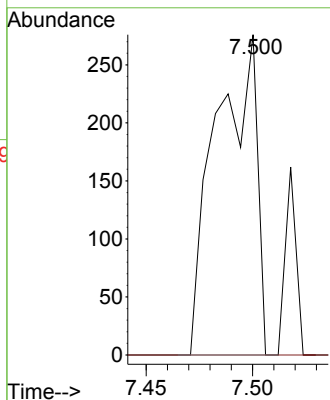


#25
2-Butanone
Concen: 0.470 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

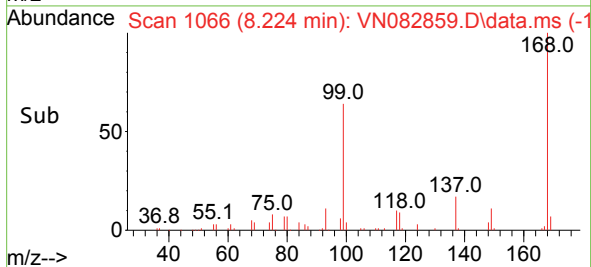
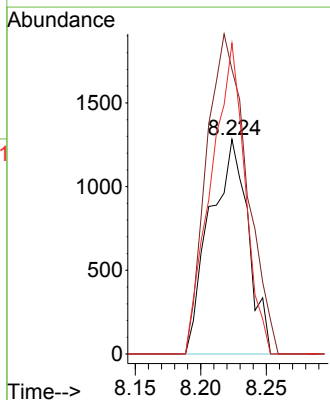
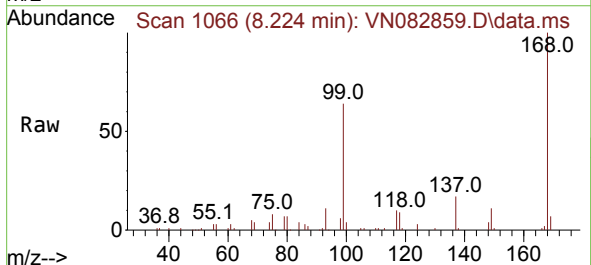


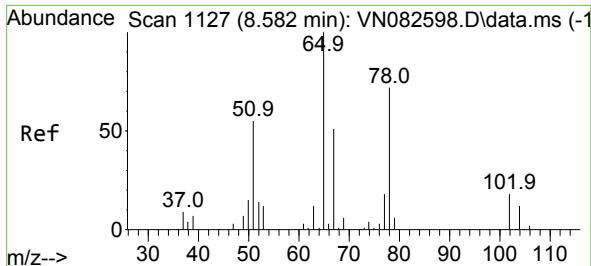
Tgt Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#



#31
Cyclohexane
Concen: 1.349 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

Tgt Ion: 56 Resp: 2590
Ion Ratio Lower Upper
56 100
69 132.5 24.5 36.7#
84 144.9 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 56.463 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Instrument :

MSVOA_N

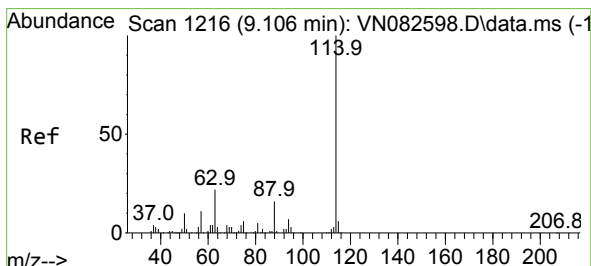
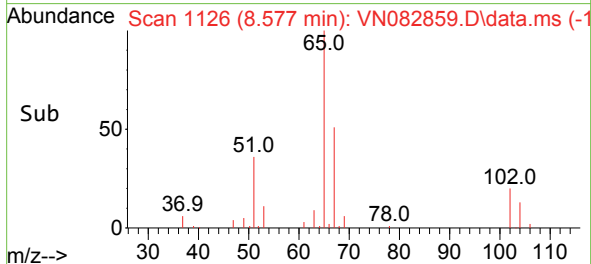
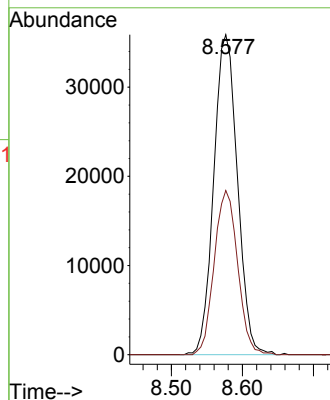
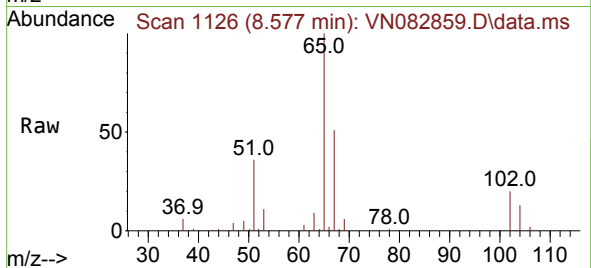
ClientSampleId :

Tgt Ion: 65 Resp: 82917

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

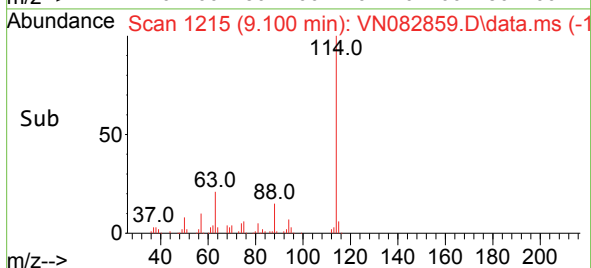
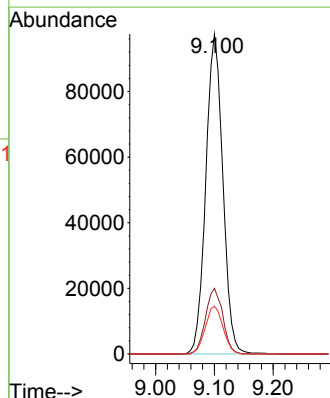
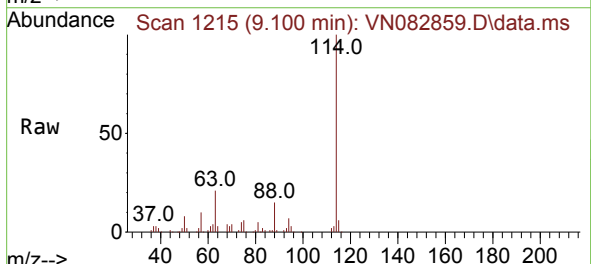
Tgt Ion: 114 Resp: 196184

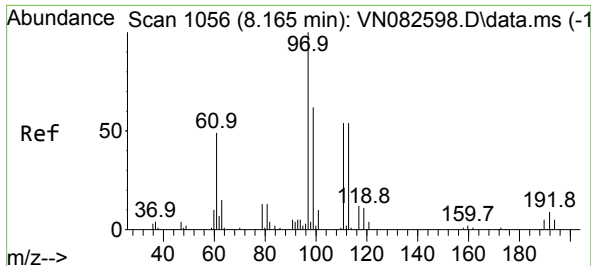
Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.6

88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.823 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :

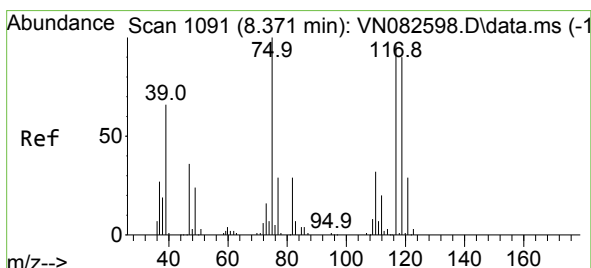
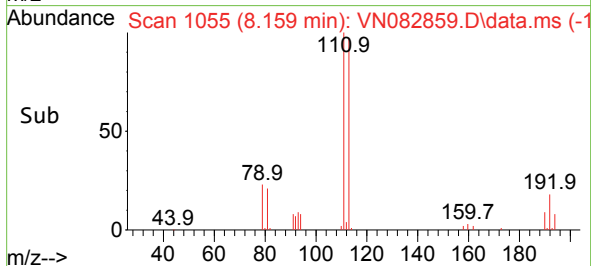
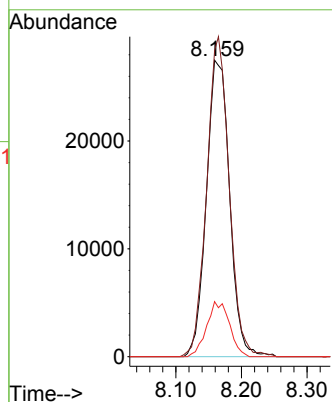
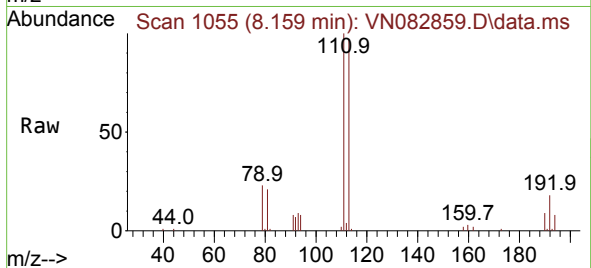
Tgt Ion:113 Resp: 67756

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

192 18.2 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.273 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

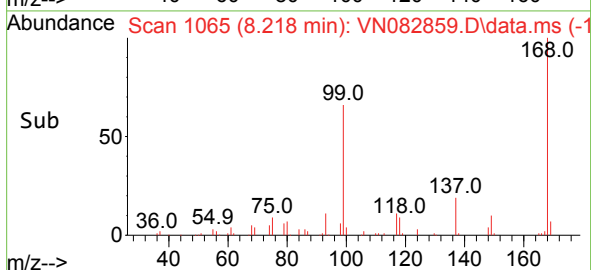
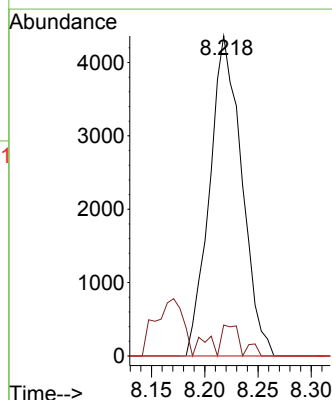
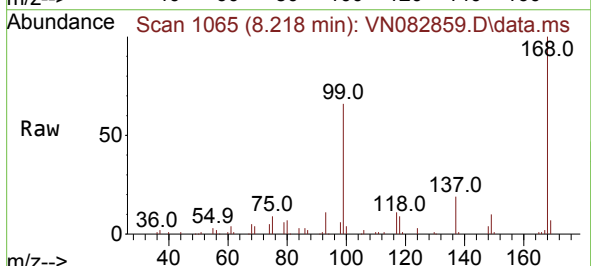
Tgt Ion: 75 Resp: 9152

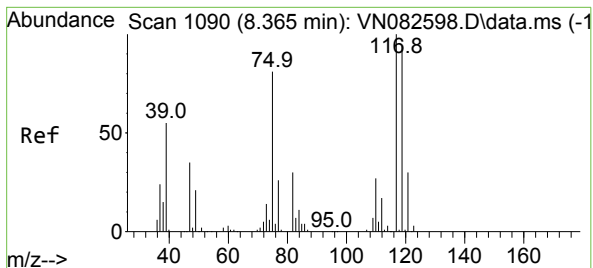
Ion Ratio Lower Upper

75 100

110 6.0 16.3 48.9#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.620 ug/l

RT: 8.218 min Scan# 1107

Delta R.T. -0.147 min

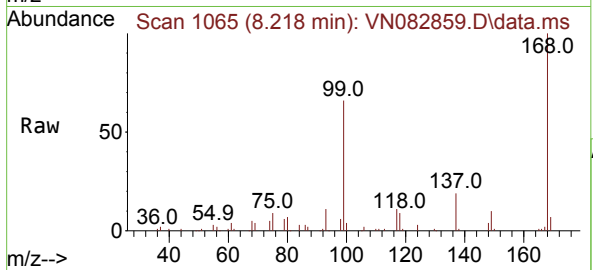
Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :



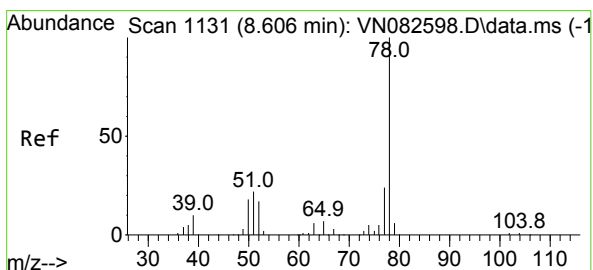
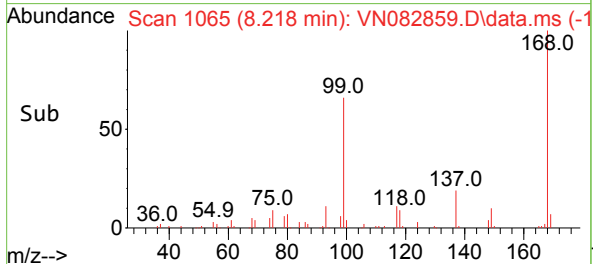
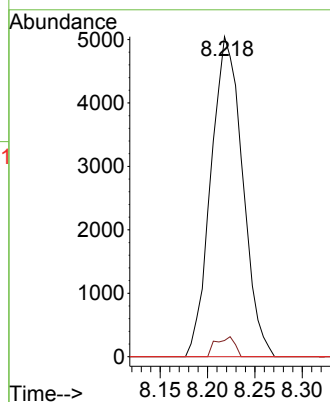
Tgt Ion:117 Resp: 11744

Ion Ratio Lower Upper

117 100

119 5.1 74.9 112.3#

121 0.0 24.3 36.5#



#40

Benzene

Concen: 0.917 ug/l

RT: 8.594 min Scan# 1129

Delta R.T. -0.012 min

Lab File: VN082859.D

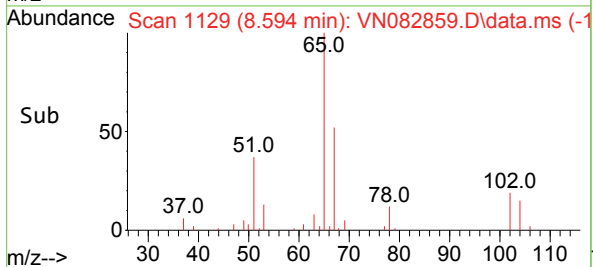
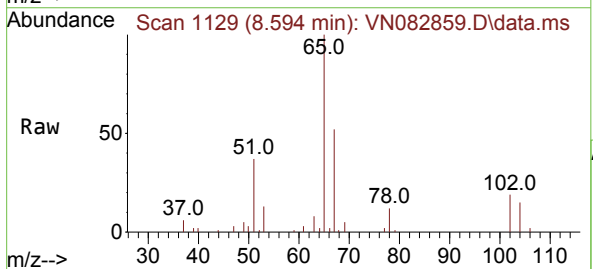
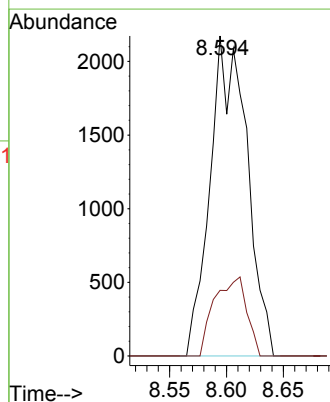
Acq: 10 Jul 2024 16:50

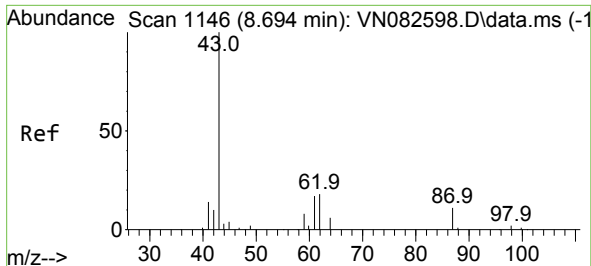
Tgt Ion: 78 Resp: 4898

Ion Ratio Lower Upper

78 100

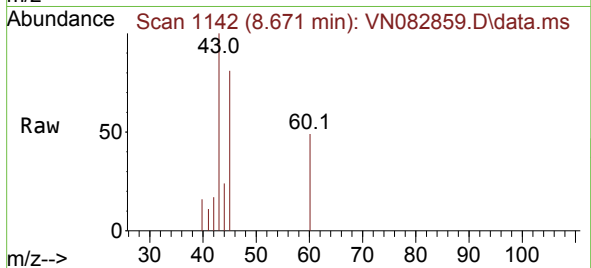
77 20.5 19.0 28.4



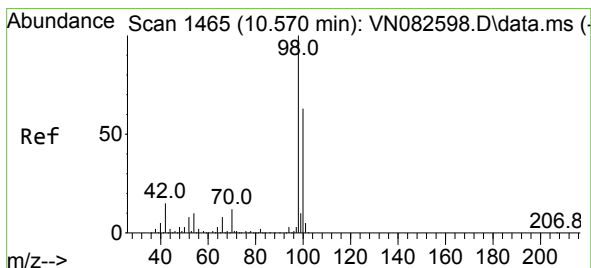
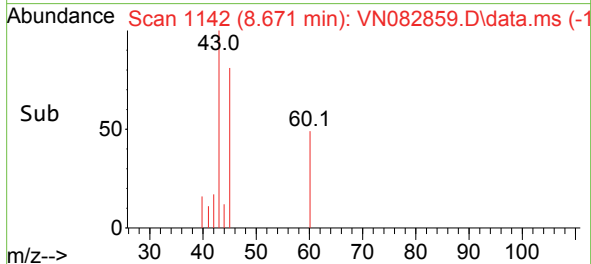
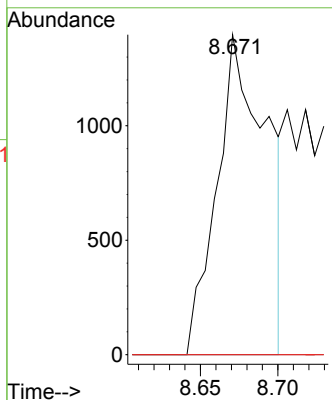


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1142
Delta R.T. -0.023 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

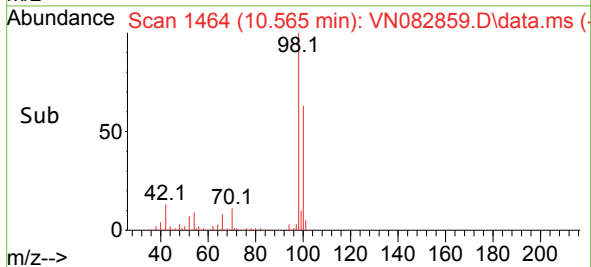
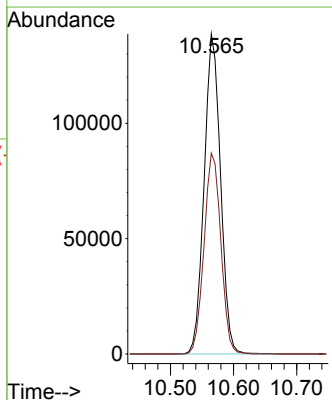
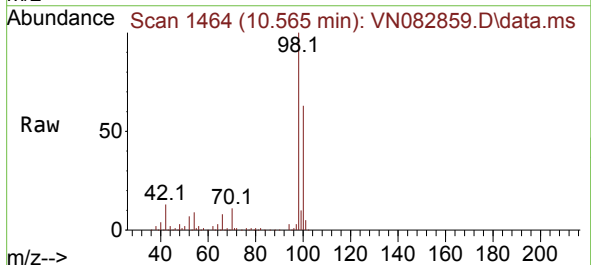


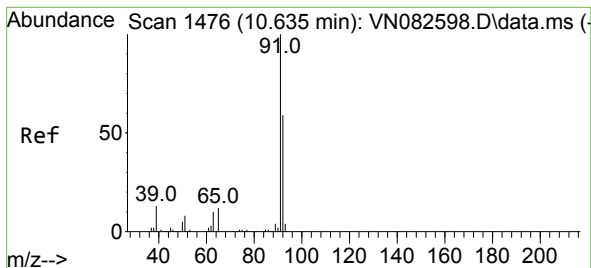
Tgt Ion: 43 Resp: 3111
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 53.728 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.005 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

Tgt Ion: 98 Resp: 249813
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3





#52

Toluene

Concen: 0.574 ug/l

RT: 10.624 min Scan# 1476

Delta R.T. -0.011 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Instrument :

MSVOA_N

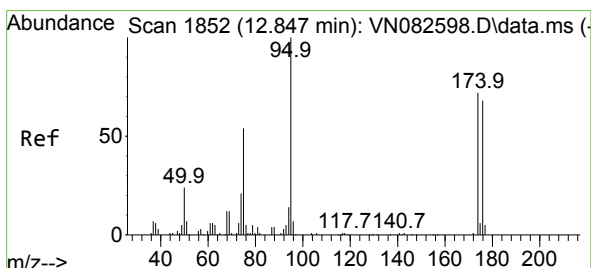
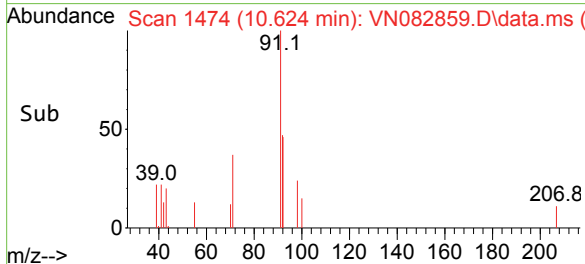
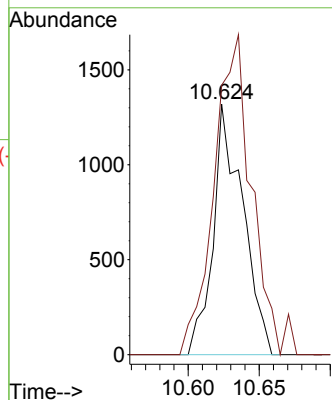
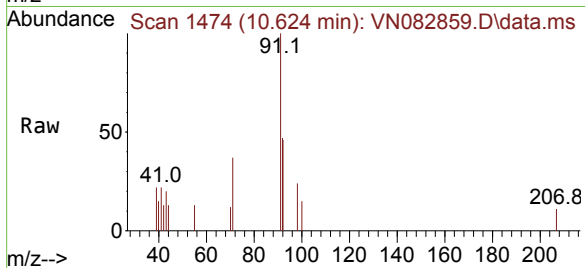
ClientSampleId :

Tgt Ion: 92 Resp: 1915

Ion Ratio Lower Upper

92 100

91 162.9 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 61.478 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

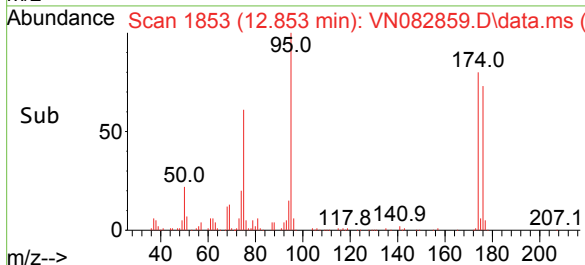
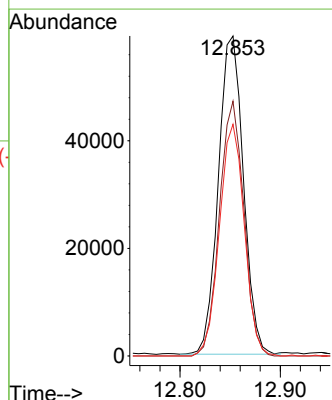
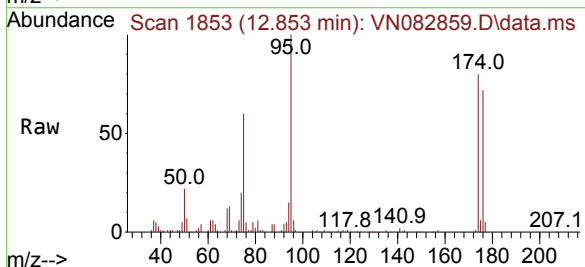
Tgt Ion: 95 Resp: 102679

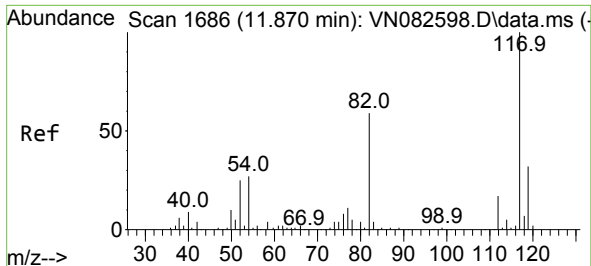
Ion Ratio Lower Upper

95 100

174 77.8 0.0 159.2

176 72.2 0.0 147.6

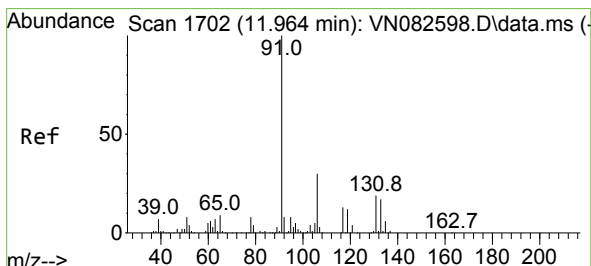
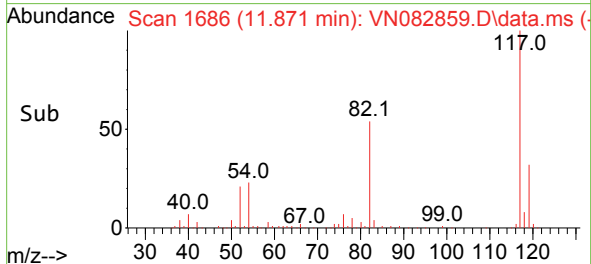
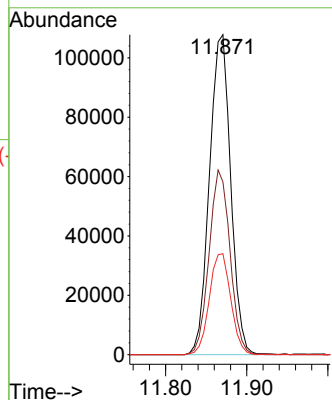
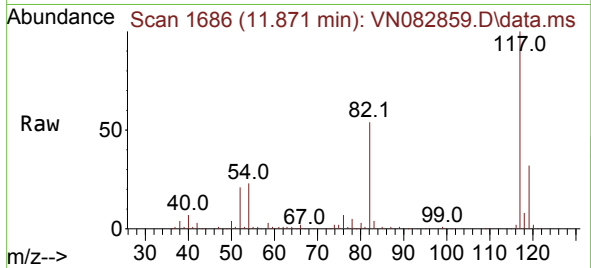




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.001 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

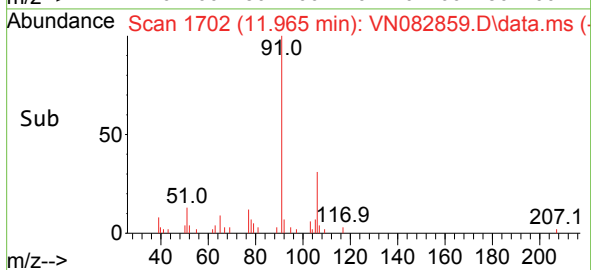
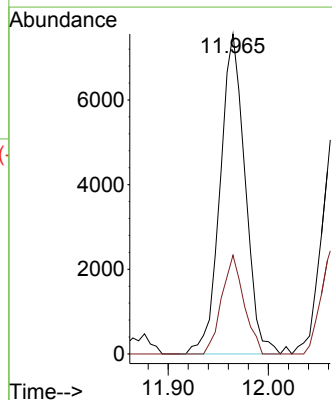
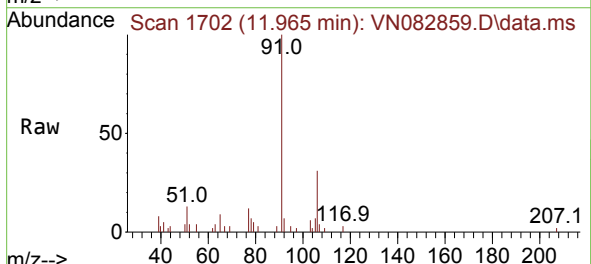
Instrument :
MSVOA_N
ClientSampleId :

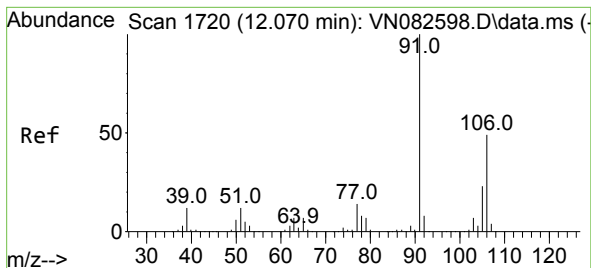
Tgt Ion:117 Resp: 195775
Ion Ratio Lower Upper
117 100
82 54.0 47.5 71.3
119 31.5 25.6 38.4



#67
Ethyl Benzene
Concen: 1.852 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.001 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

Tgt Ion: 91 Resp: 13060
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0

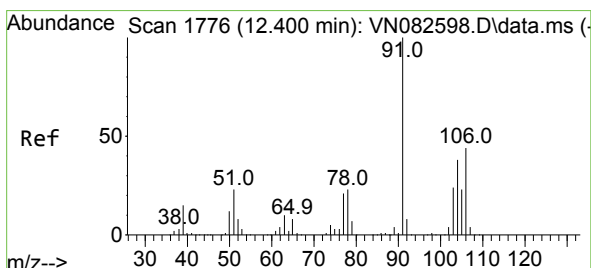
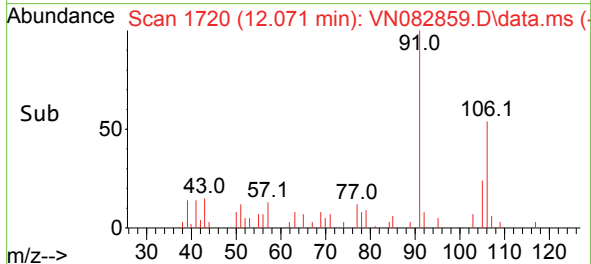
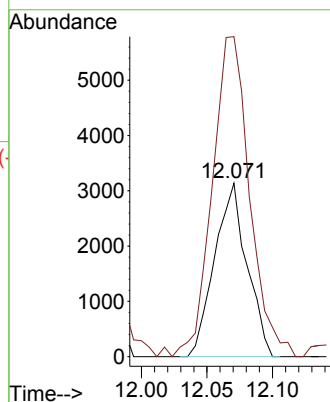
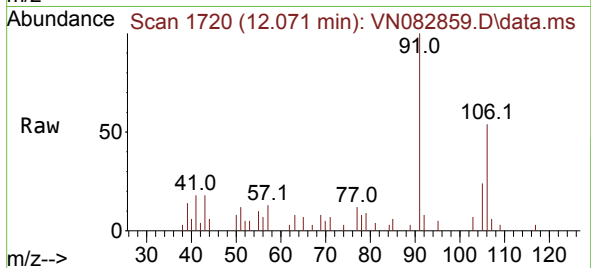




#68
m/p-Xylenes
Concen: 2.022 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.001 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

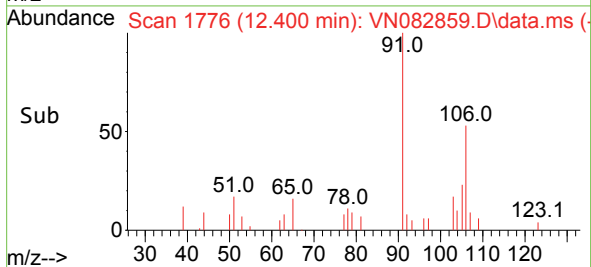
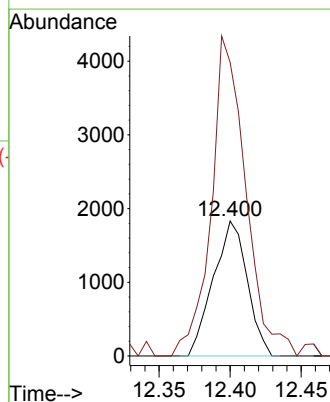
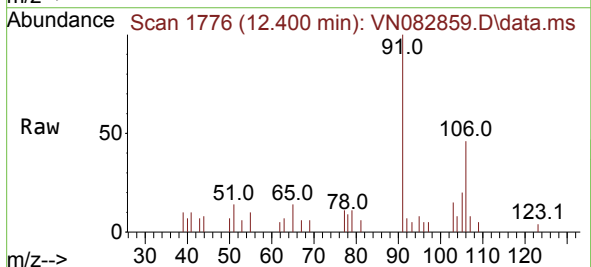
Instrument :
MSVOA_N
ClientSampleId :

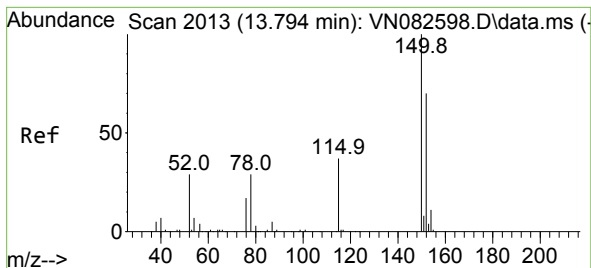
Tgt Ion:106 Resp: 5382
Ion Ratio Lower Upper
106 100
91 213.9 166.1 249.1



#69
o-Xylene
Concen: 1.191 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

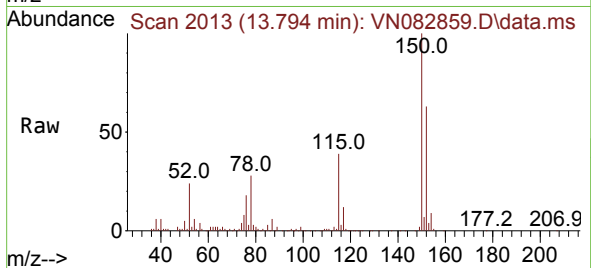
Tgt Ion:106 Resp: 3038
Ion Ratio Lower Upper
106 100
91 240.9 111.3 333.9



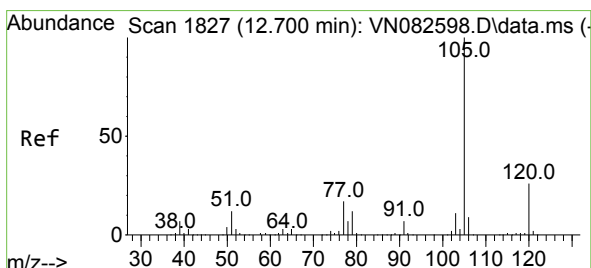
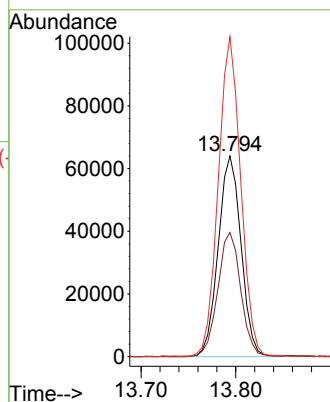
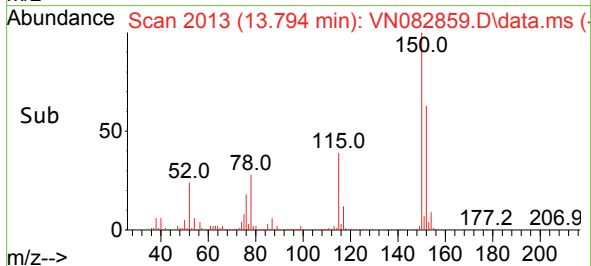


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN082859.D
 Acq: 10 Jul 2024 16:50

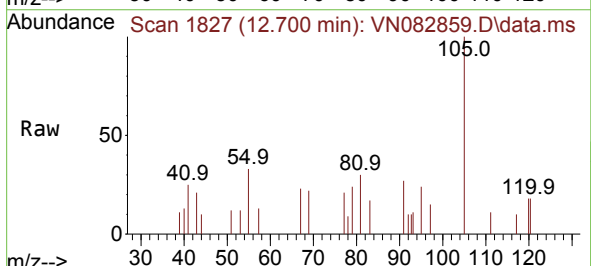
Instrument :
 MSVOA_N
 ClientSampleId :



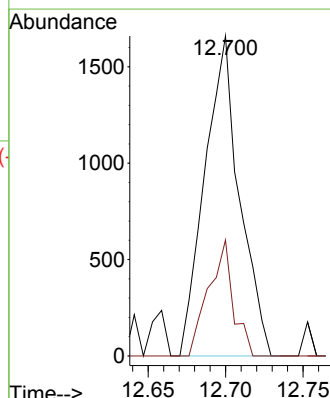
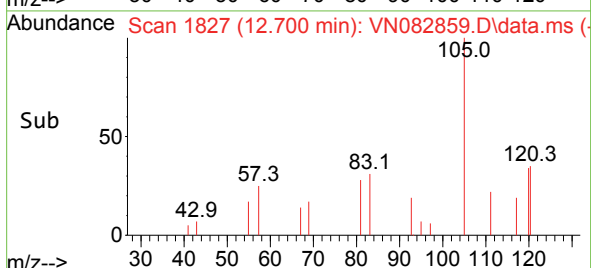
Tgt Ion:152 Resp: 107181
 Ion Ratio Lower Upper
 152 100
 115 62.8 30.6 91.6
 150 157.1 0.0 348.6

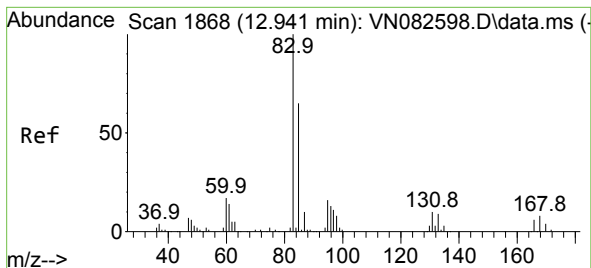


#73
 Isopropylbenzene
 Concen: 0.332 ug/l
 RT: 12.700 min Scan# 1827
 Delta R.T. -0.000 min
 Lab File: VN082859.D
 Acq: 10 Jul 2024 16:50



Tgt Ion:105 Resp: 2586
 Ion Ratio Lower Upper
 105 100
 120 25.6 12.9 38.6





#75

1,1,2,2-Tetrachloroethane

Concen: 0.212 ug/l

RT: 12.923 min Scan# 1865

Delta R.T. -0.018 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :

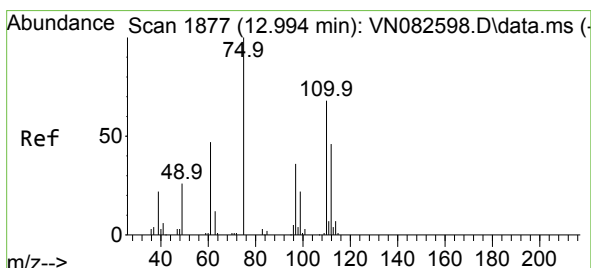
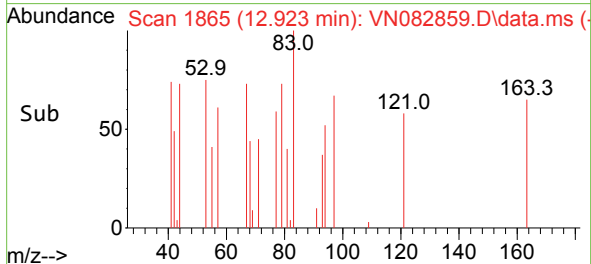
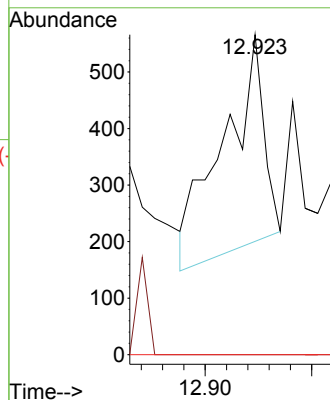
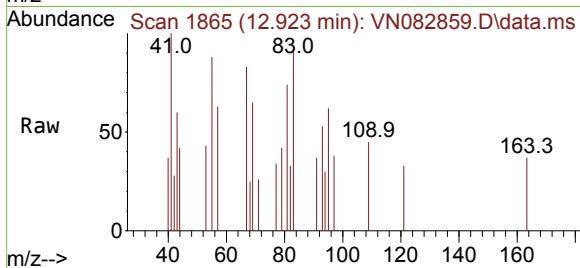
Tgt Ion: 83 Resp: 495

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 31.381 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082859.D

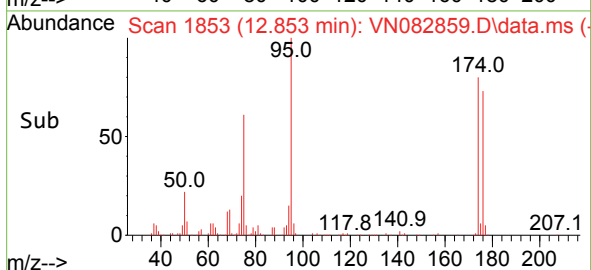
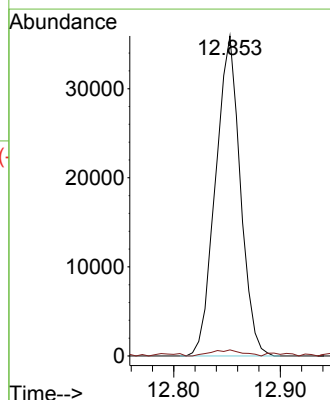
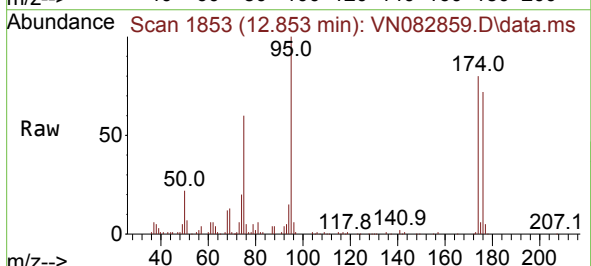
Acq: 10 Jul 2024 16:50

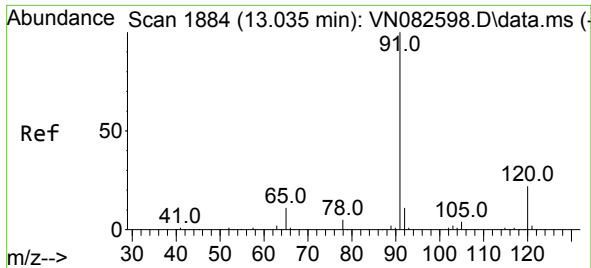
Tgt Ion: 75 Resp: 57988

Ion Ratio Lower Upper

75 100

77 2.4 110.9 332.6#

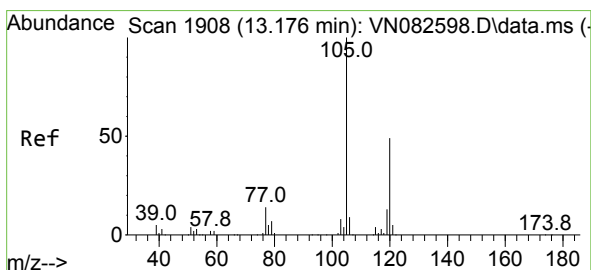
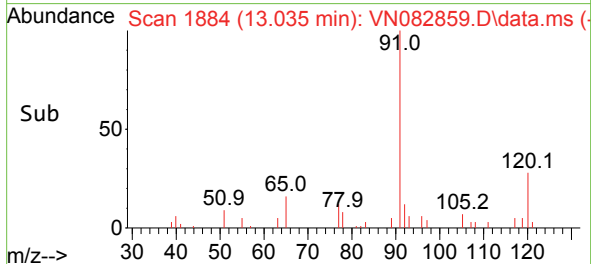
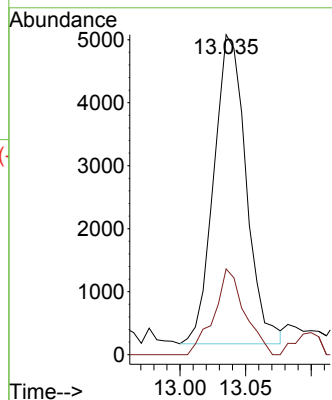
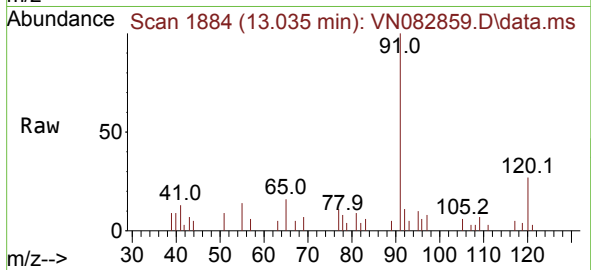




#78
n-propylbenzene
Concen: 0.939 ug/l
RT: 13.035 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

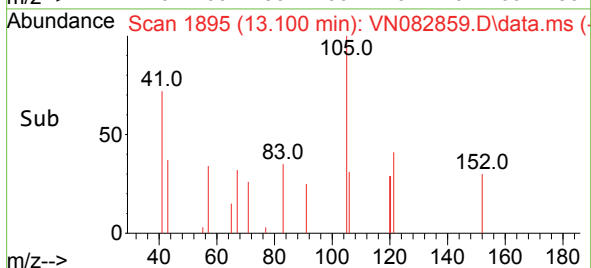
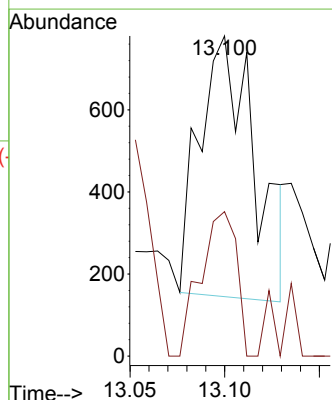
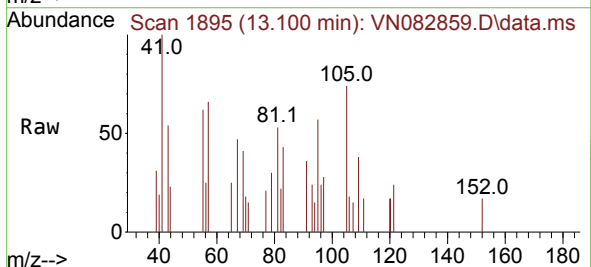
Instrument :
MSVOA_N
ClientSampleId :

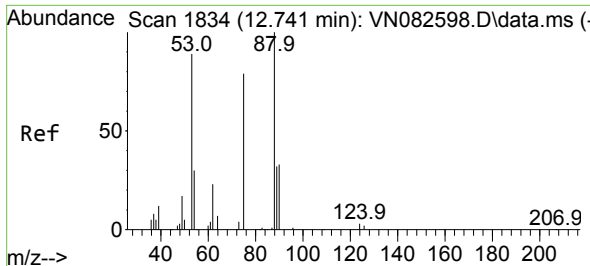
Tgt Ion: 91 Resp: 8412
Ion Ratio Lower Upper
91 100
120 26.2 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 0.206 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. -0.076 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

Tgt Ion: 105 Resp: 1294
Ion Ratio Lower Upper
105 100
120 36.2 24.3 72.8

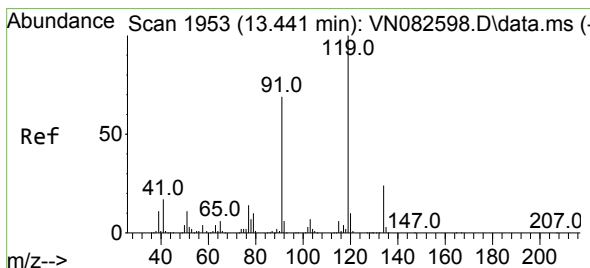
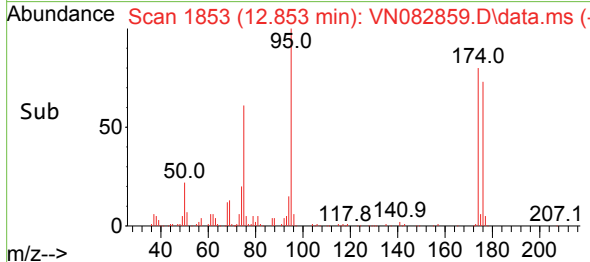
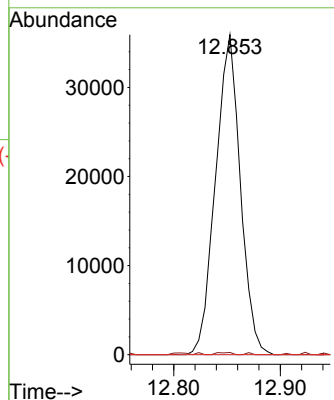
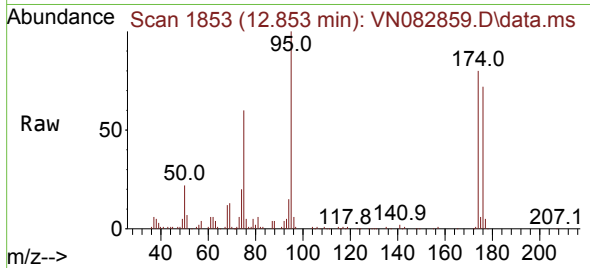




#81
trans-1,4-Dichloro-2-butene
Concen: 61.718 ug/l
RT: 12.853 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

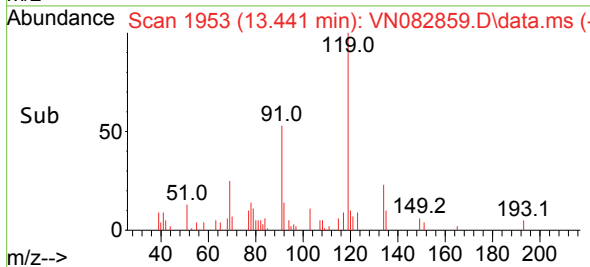
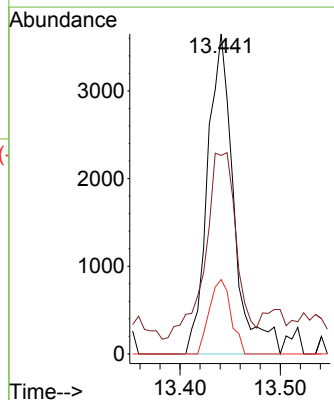
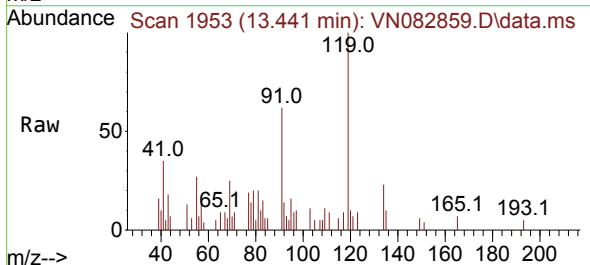
Instrument :
MSVOA_N
ClientSampleId :

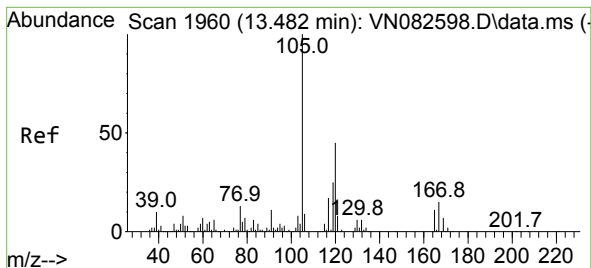
Tgt Ion: 75 Resp: 57988
Ion Ratio Lower Upper
75 100
53 0.4 88.4 132.6#
89 0.0 36.3 54.5#



#83
tert-Butylbenzene
Concen: 1.184 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN082859.D
Acq: 10 Jul 2024 16:50

Tgt Ion: 119 Resp: 6610
Ion Ratio Lower Upper
119 100
91 69.0 35.0 105.1
134 19.2 13.3 39.8





#84

1,2,4-Trimethylbenzene

Concen: 0.548 ug/l

RT: 13.488 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Instrument :

MSVOA_N

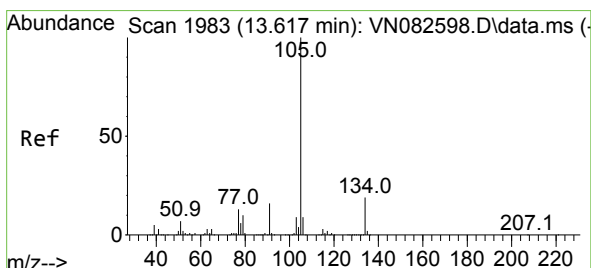
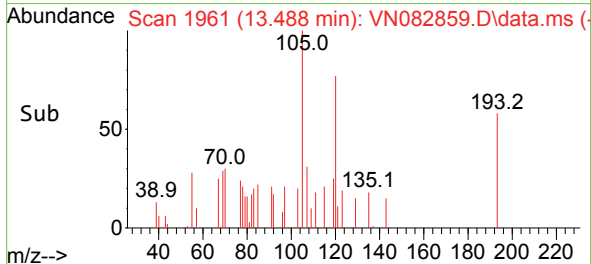
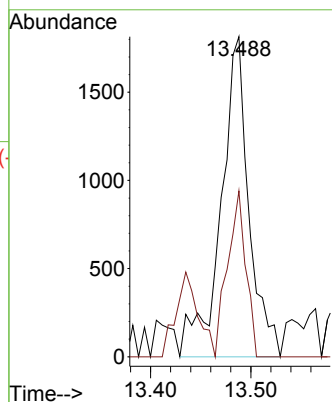
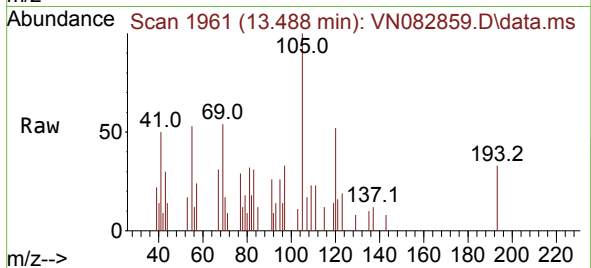
ClientSampleId :

Tgt Ion:105 Resp: 3514

Ion Ratio Lower Upper

105 100

120 33.9 21.9 65.8



#85

sec-Butylbenzene

Concen: 0.219 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN082859.D

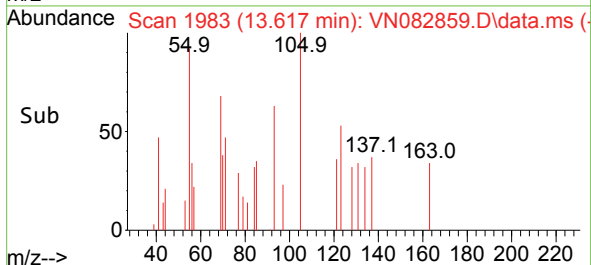
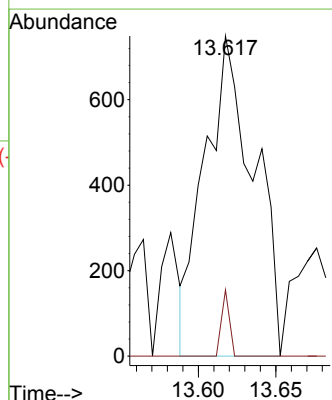
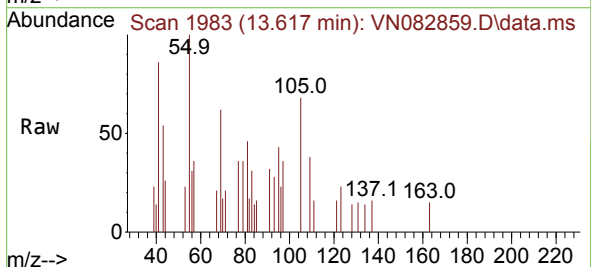
Acq: 10 Jul 2024 16:50

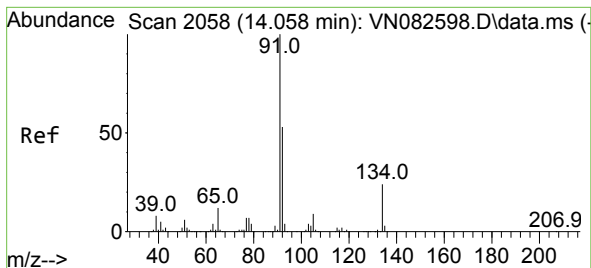
Tgt Ion:105 Resp: 1654

Ion Ratio Lower Upper

105 100

134 3.3 9.8 29.3#





#89

n-Butylbenzene

Concen: 0.743 ug/l

RT: 14.065 min Scan# 2058

Delta R.T. 0.007 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :

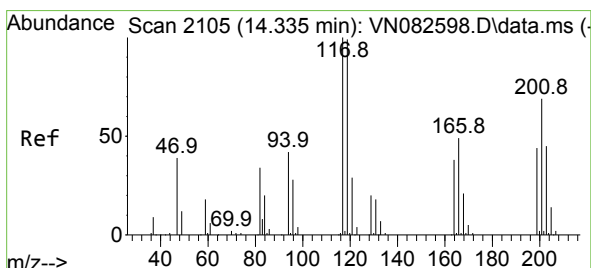
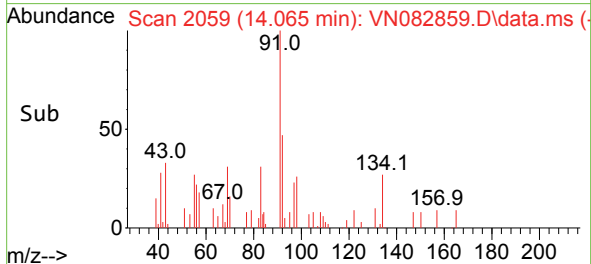
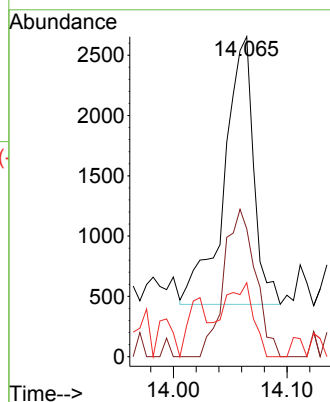
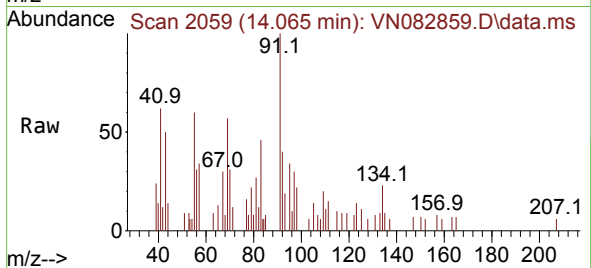
Tgt Ion: 91 Resp: 4006

Ion Ratio Lower Upper

91 100

92 58.9 26.1 78.3

134 26.3 12.1 36.3



#90

Hexachloroethane

Concen: 0.421 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN082859.D

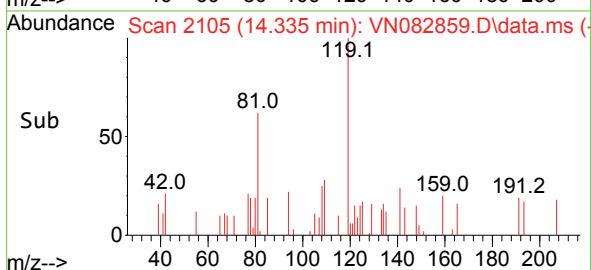
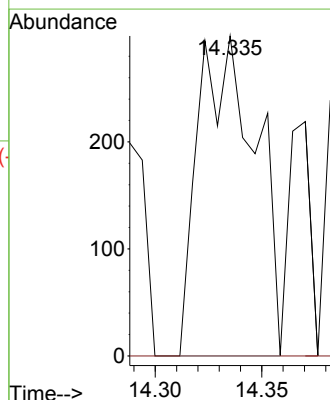
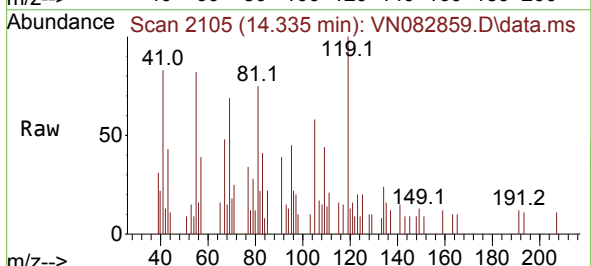
Acq: 10 Jul 2024 16:50

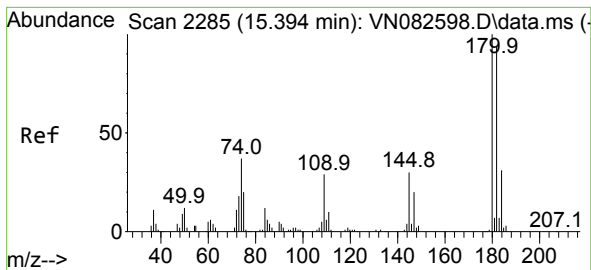
Tgt Ion: 117 Resp: 561

Ion Ratio Lower Upper

117 100

201 0.0 35.8 107.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.429 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.006 min

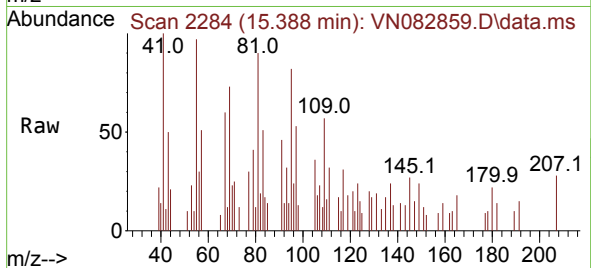
Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :



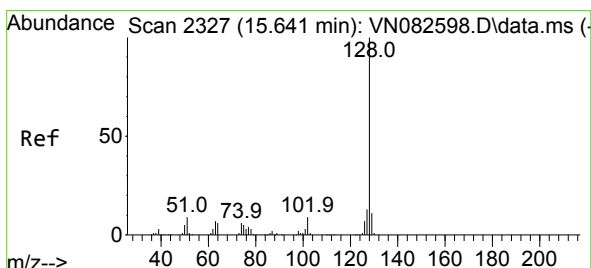
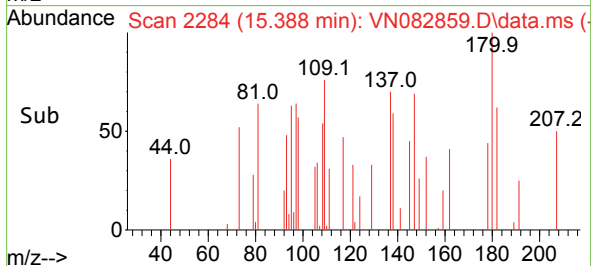
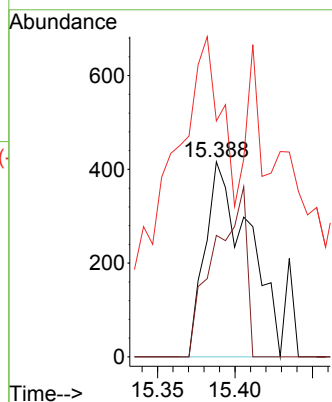
Tgt Ion:180 Resp: 815

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.8#

145 124.7 15.7 47.1#



#95

Naphthalene

Concen: 0.515 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN082859.D

Acq: 10 Jul 2024 16:50

Tgt Ion:128 Resp: 3346

Ion Ratio Lower Upper

128 100

127 20.9 10.6 16.0#

129 16.4 8.6 12.8#

