

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062824\
 Data File : VN082748.D
 Acq On : 28 Jun 2024 15:23
 Operator : JC\MD
 Sample : P3120-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 28 23:05:23 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

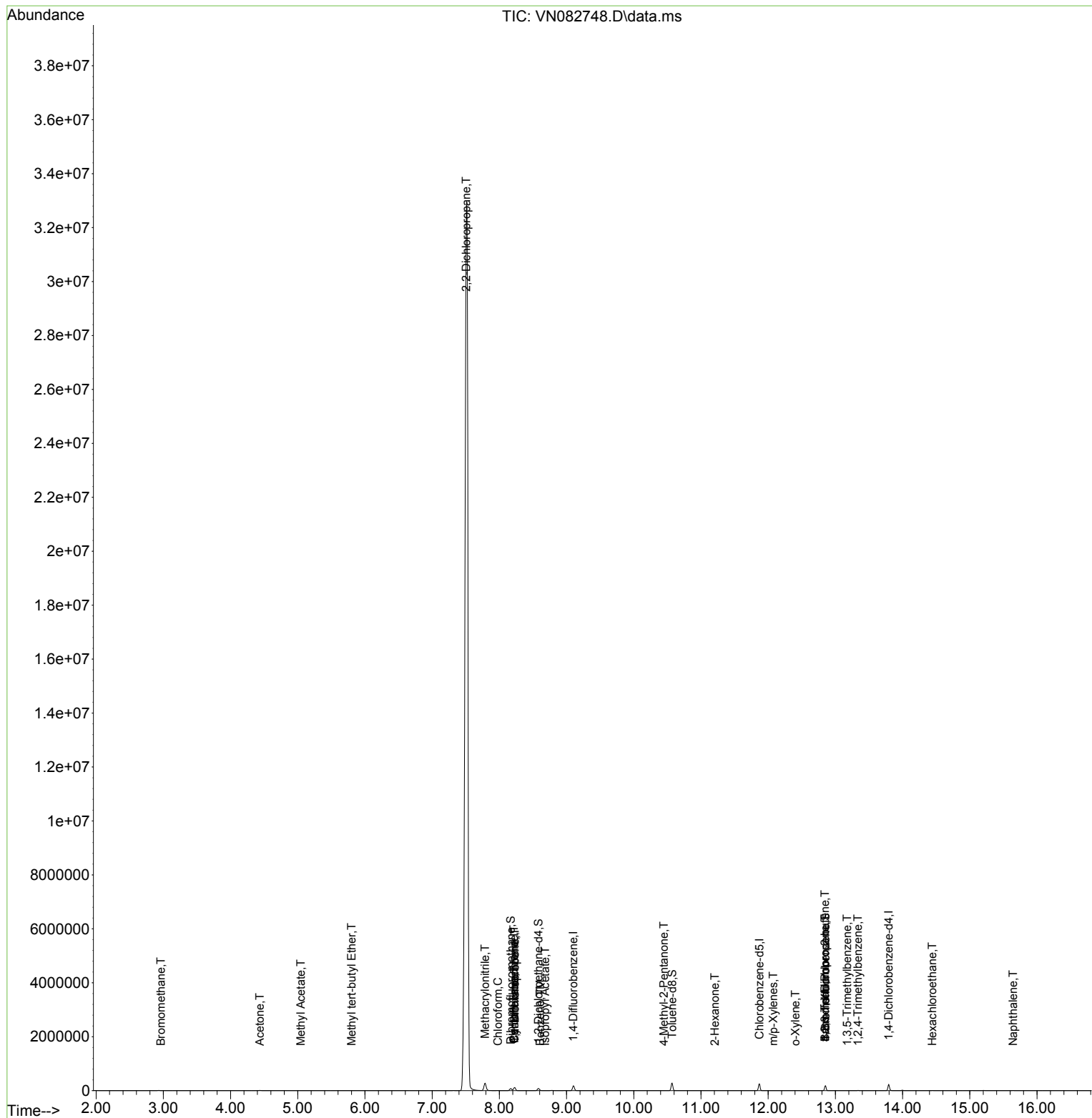
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	80651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	149308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	140631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	57590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	66153	53.188	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.380%	
35) Dibromofluoromethane	8.171	113	54673	55.616	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.240%	
50) Toluene-d8	10.571	98	191405	52.064	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.120%	
62) 4-Bromofluorobenzene	12.853	95	59094	46.806	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 93.620%	
Target Compounds						Qvalue
5) Bromomethane	2.965	94	217	0.223	ug/l	# 1
16) Acetone	4.436	43	18444	39.140	ug/l	92
18) Methyl Acetate	5.047	43	451	0.360	ug/l	# 56
19) Methyl tert-butyl Ether	5.800	73	841	0.282	ug/l	# 34
26) 2,2-Dichloropropane	7.506	77	377	0.307	ug/l	# 56
30) Chloroform	7.977	83	3391	1.664	ug/l	91
31) Cyclohexane	8.224	56	2475	1.412	ug/l	# 40
36) 1,1-Dichloropropene	8.230	75	7077	5.009	ug/l	# 51
38) Carbon Tetrachloride	8.218	117	8840	5.349	ug/l	# 18
40) Benzene	8.606	78	4566	0.985	ug/l	98
41) Methacrylonitrile	7.788	41	48050	61.021	ug/l	# 25
43) Isopropyl Acetate	8.682	43	3405	0.764	ug/l	# 60
51) 4-Methyl-2-Pentanone	10.447	43	2384	1.526	ug/l	# 79
59) 2-Hexanone	11.206	43	407	0.351	ug/l	# 28
68) m/p-Xylenes	12.076	106	1130	0.583	ug/l	88
69) o-Xylene	12.406	106	1999	1.071	ug/l	82
71) Bromoform	12.847	173	489	0.570	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	34280	27.289	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.176	105	1825	0.529	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.847	75	34280	71.168	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.335	105	5723	1.678	ug/l	82
90) Hexachloroethane	14.441	117	4481	6.191	ug/l	# 14
95) Naphthalene	15.647	128	7164	2.328	ug/l	98

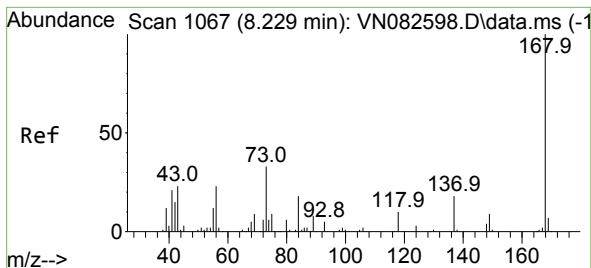
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062824\
Data File : VN082748.D
Acq On : 28 Jun 2024 15:23
Operator : JC\MD
Sample : P3120-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

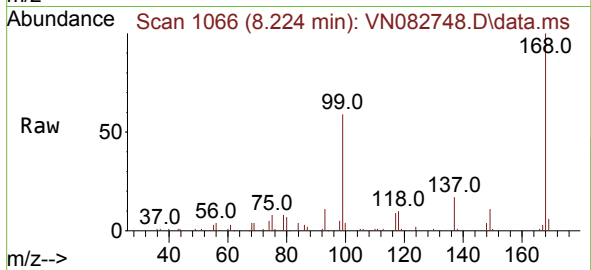
Quant Time: Jun 28 23:05:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
Response via : Initial Calibration



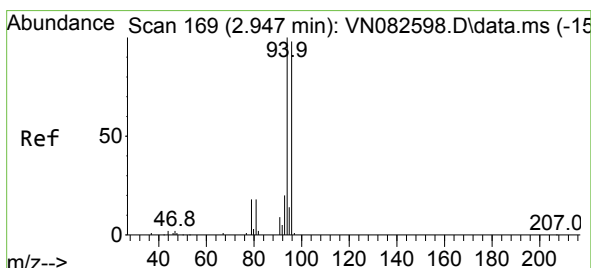
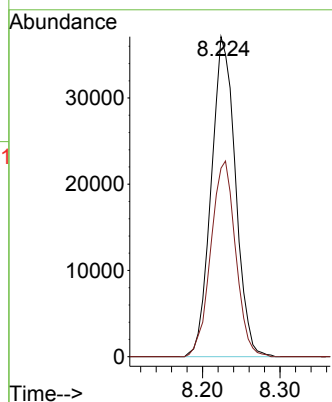
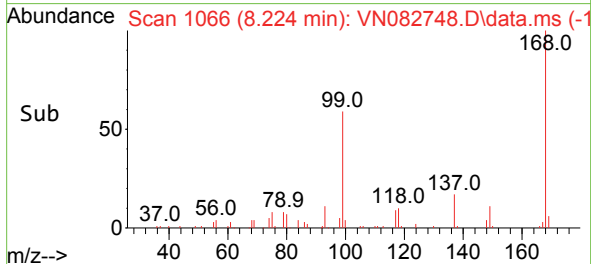


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1067
Delta R.T. -0.005 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

Instrument :
MSVOA_N
ClientSampleId :

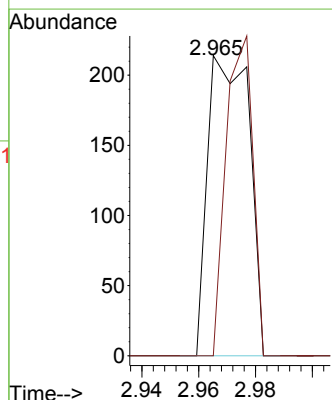
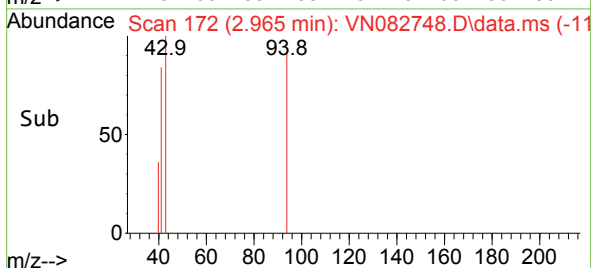
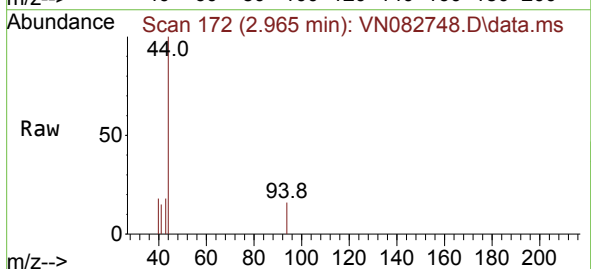


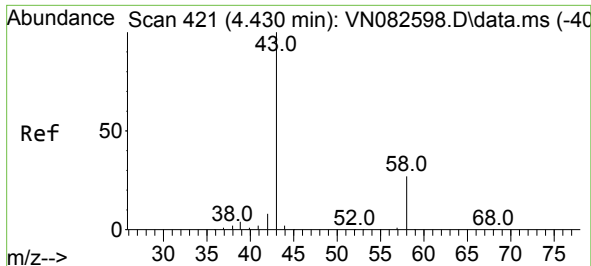
Tgt Ion:168 Resp: 80651
Ion Ratio Lower Upper
168 100
99 58.9 48.2 72.4



#5
Bromomethane
Concen: 0.223 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.018 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#





#16

Acetone

Concen: 39.140 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

Instrument :

MSVOA_N

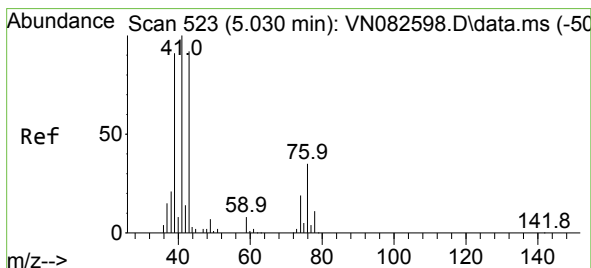
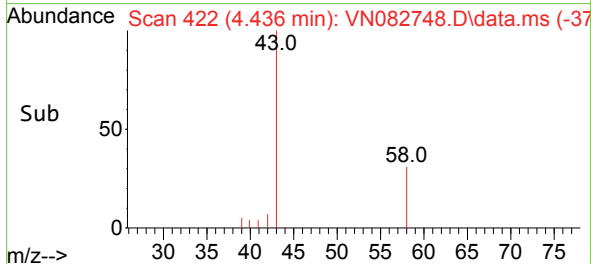
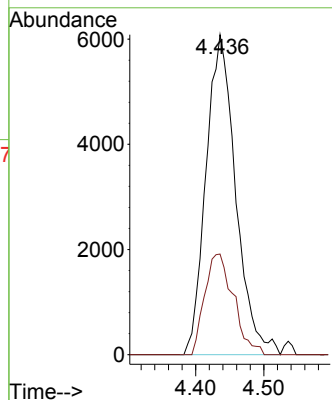
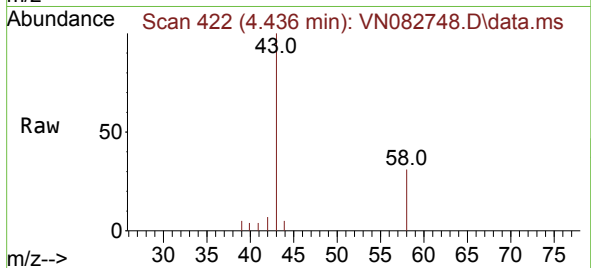
ClientSampleId :

Tgt Ion: 43 Resp: 18444

Ion Ratio Lower Upper

43 100

58 31.4 21.8 32.6



#18

Methyl Acetate

Concen: 0.360 ug/l

RT: 5.047 min Scan# 526

Delta R.T. 0.017 min

Lab File: VN082748.D

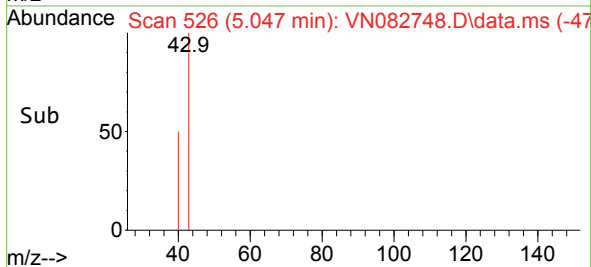
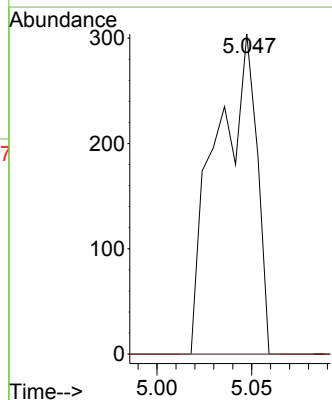
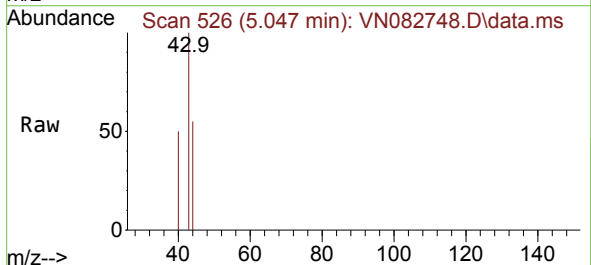
Acq: 28 Jun 2024 15:23

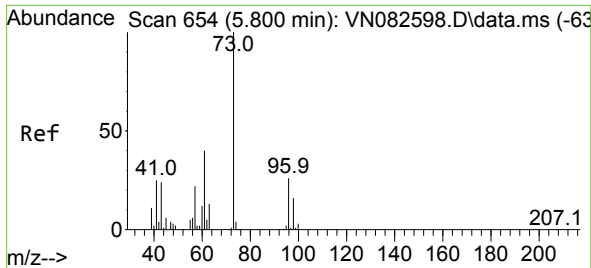
Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#

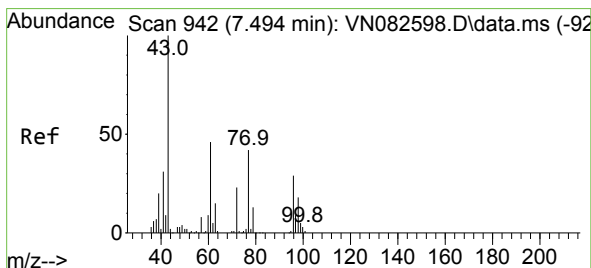
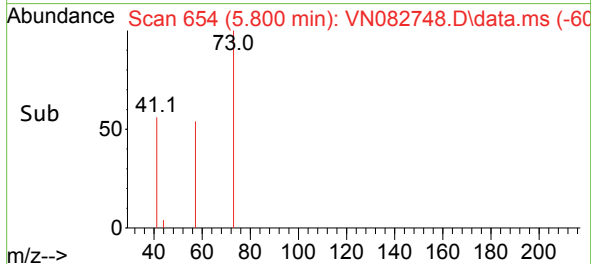
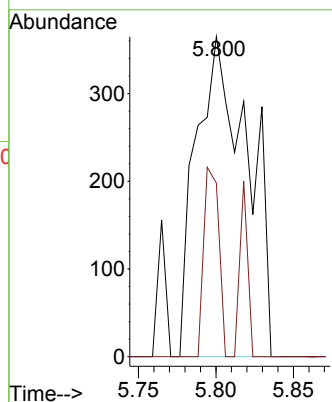
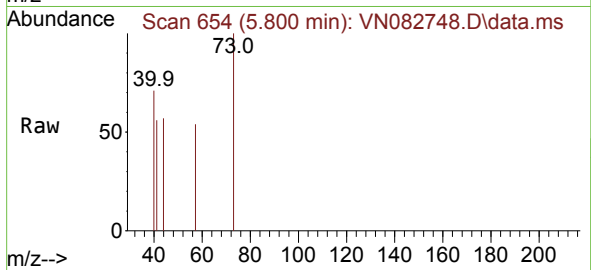




#19
Methyl tert-butyl Ether
Concen: 0.282 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

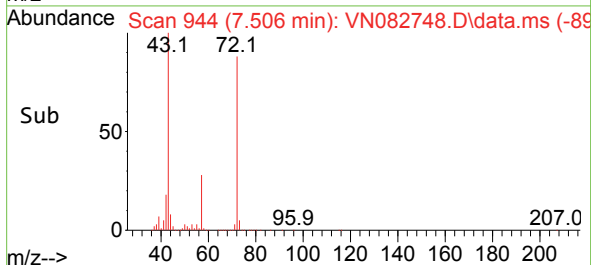
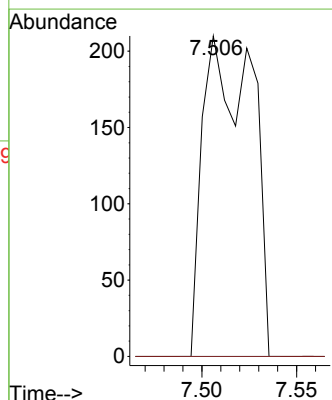
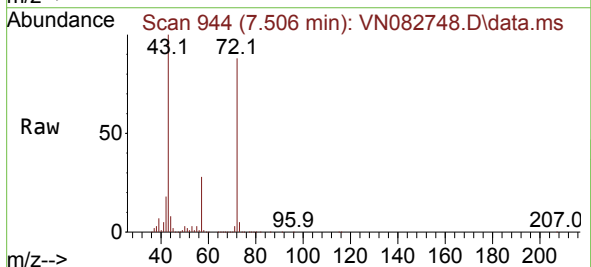
Instrument :
MSVOA_N
ClientSampleId :

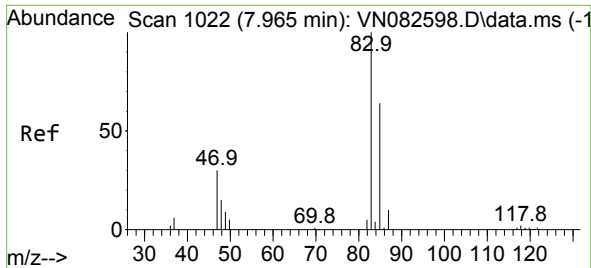
Tgt Ion: 73 Resp: 841
Ion Ratio Lower Upper
73 100
57 54.2 17.9 26.9#



#26
2,2-Dichloropropane
Concen: 0.307 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

Tgt Ion: 77 Resp: 377
Ion Ratio Lower Upper
77 100
97 0.0 10.3 30.9#





#30

Chloroform

Concen: 1.664 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.012 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

Instrument :

MSVOA_N

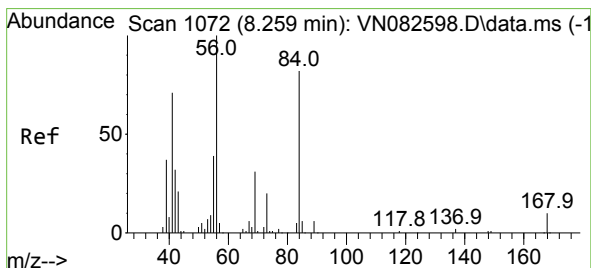
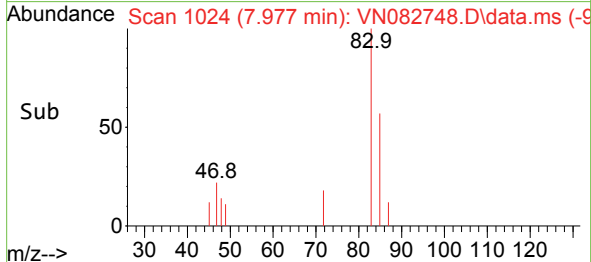
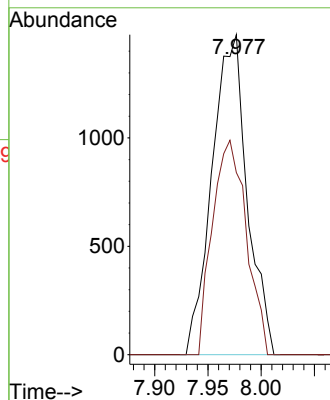
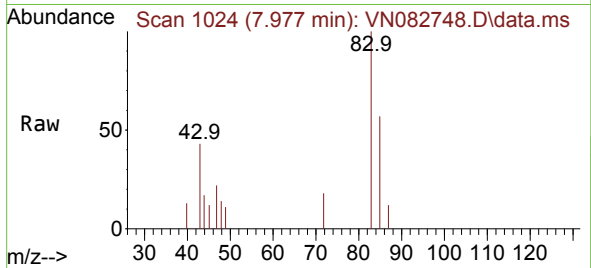
ClientSampleId :

Tgt Ion: 83 Resp: 3391

Ion Ratio Lower Upper

83 100

85 56.9 50.9 76.3



#31

Cyclohexane

Concen: 1.412 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

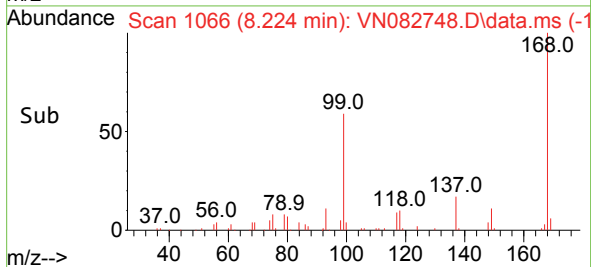
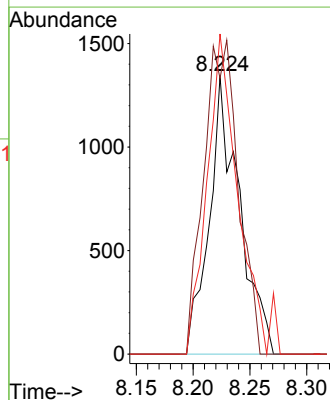
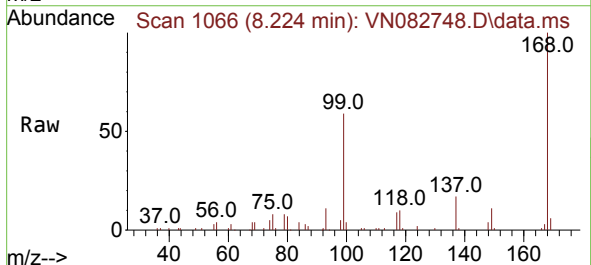
Tgt Ion: 56 Resp: 2475

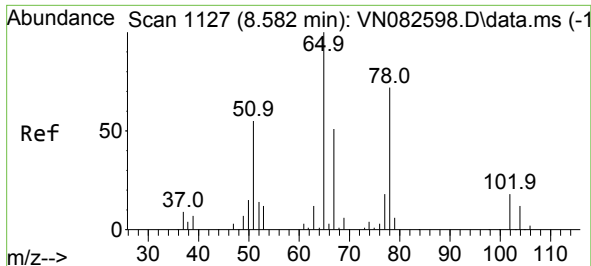
Ion Ratio Lower Upper

56 100

69 99.0 24.5 36.7#

84 115.0 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 53.188 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

Instrument :

MSVOA_N

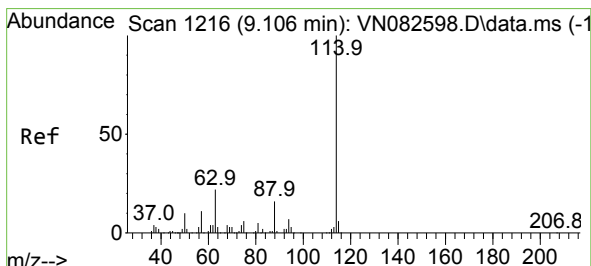
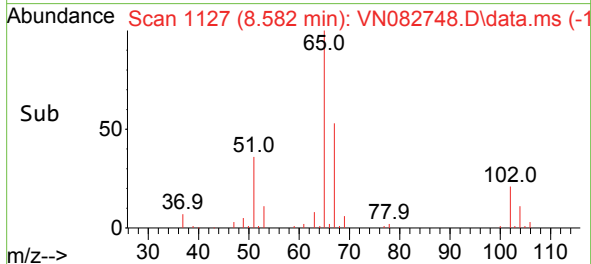
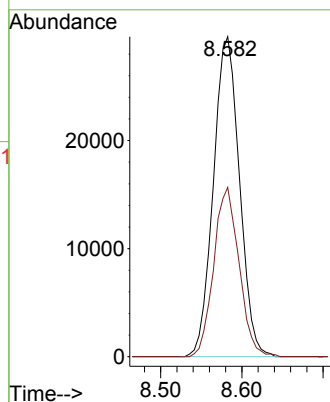
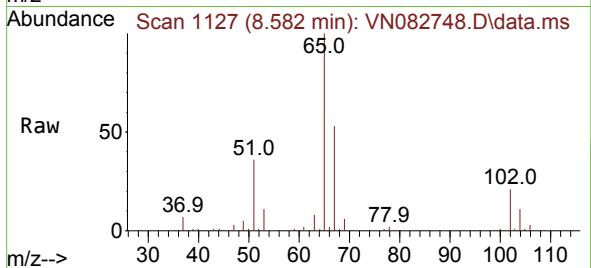
ClientSampleId :

Tgt Ion: 65 Resp: 66153

Ion Ratio Lower Upper

65 100

67 51.3 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: VN082748.D

Acq: 28 Jun 2024 15:23

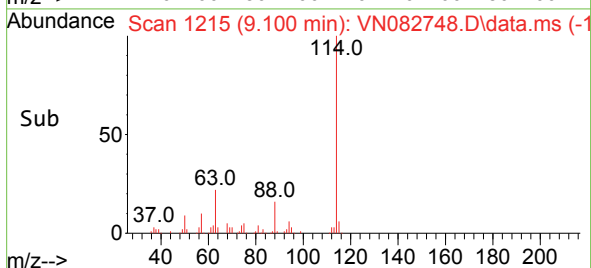
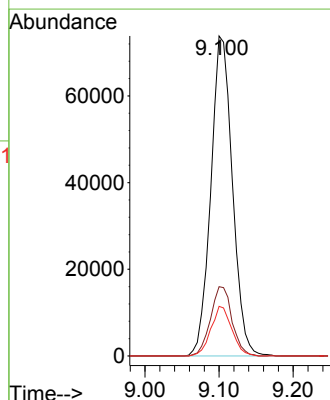
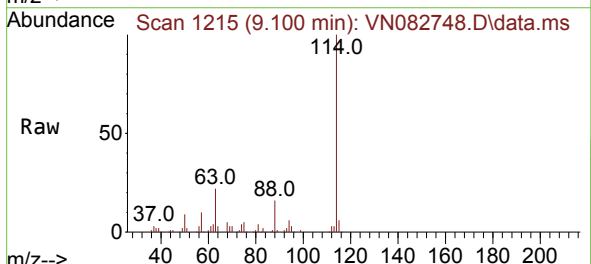
Tgt Ion: 114 Resp: 149308

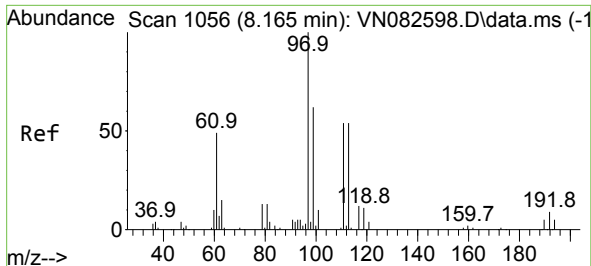
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.6

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.616 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

Instrument :

MSVOA_N

ClientSampleId :

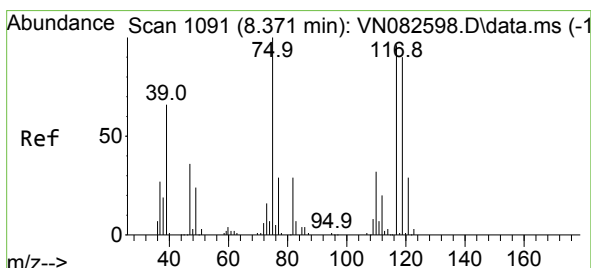
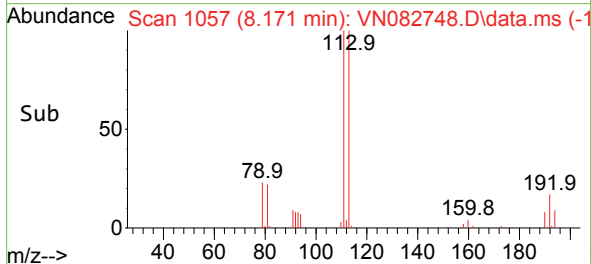
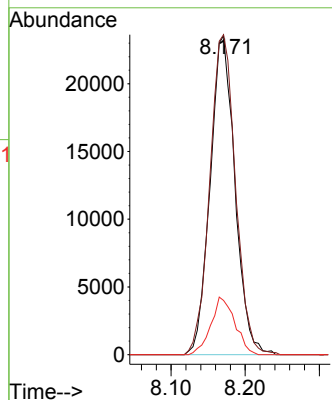
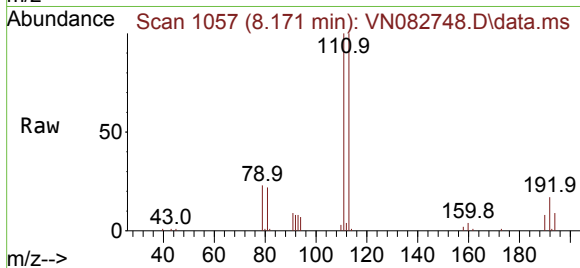
Tgt Ion:113 Resp: 54673

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

192 17.5 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.009 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

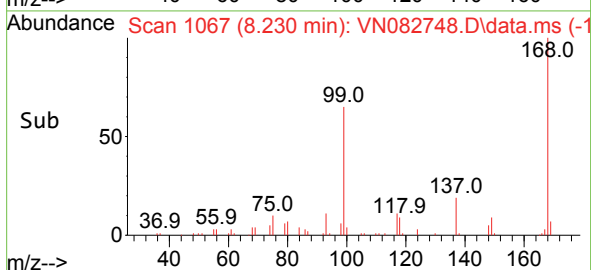
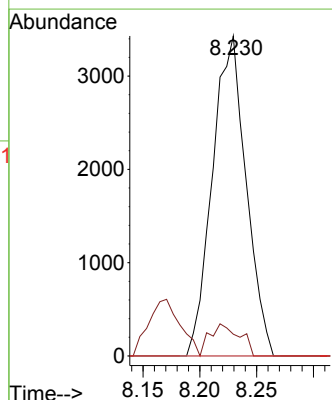
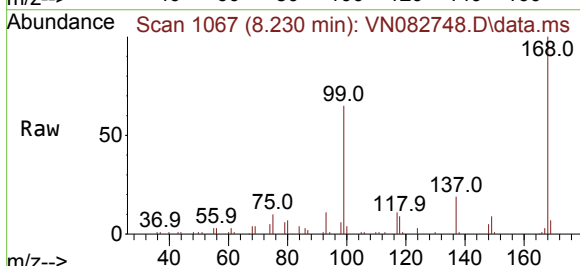
Tgt Ion: 75 Resp: 7077

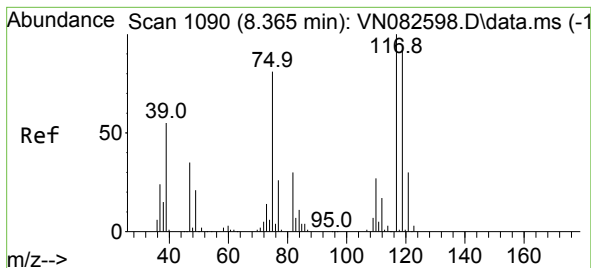
Ion Ratio Lower Upper

75 100

110 8.9 16.3 48.9#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.349 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

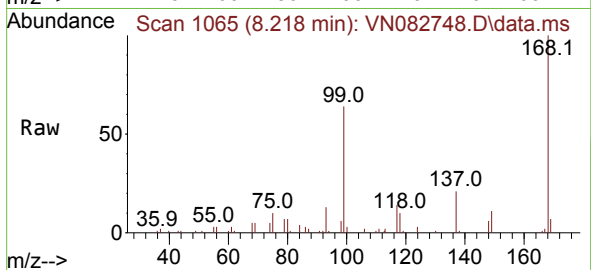
Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

Instrument :

MSVOA_N

ClientSampleId :



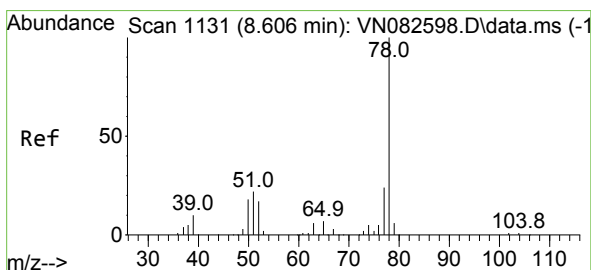
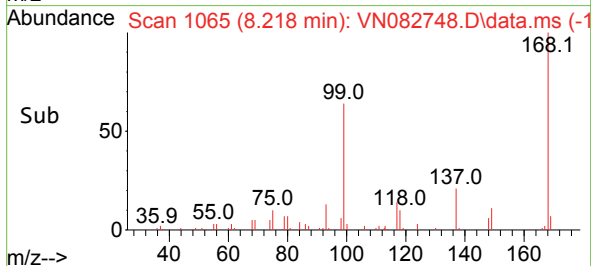
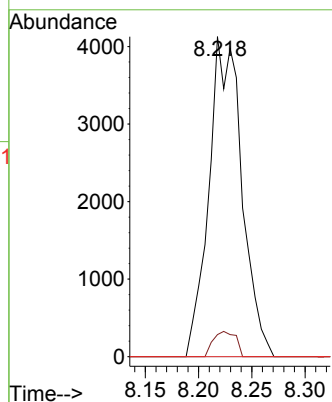
Tgt Ion:117 Resp: 8840

Ion Ratio Lower Upper

117 100

119 6.9 74.9 112.3#

121 0.0 24.3 36.5#



#40

Benzene

Concen: 0.985 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN082748.D

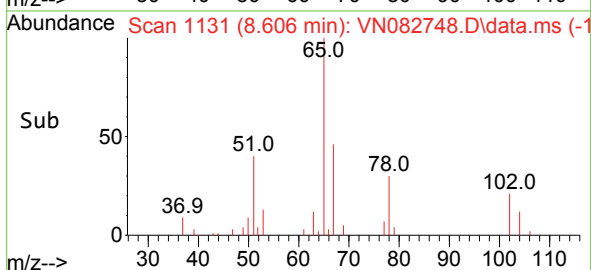
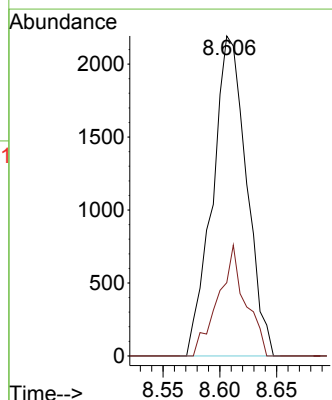
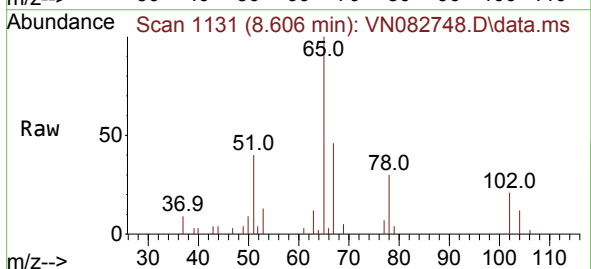
Acq: 28 Jun 2024 15:23

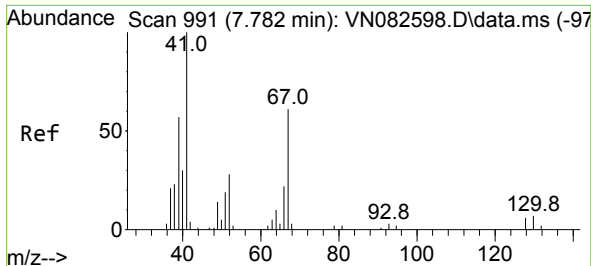
Tgt Ion: 78 Resp: 4566

Ion Ratio Lower Upper

78 100

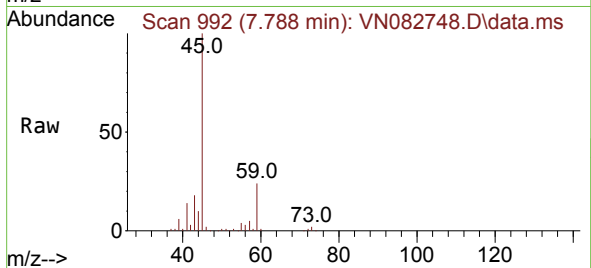
77 22.9 19.0 28.4



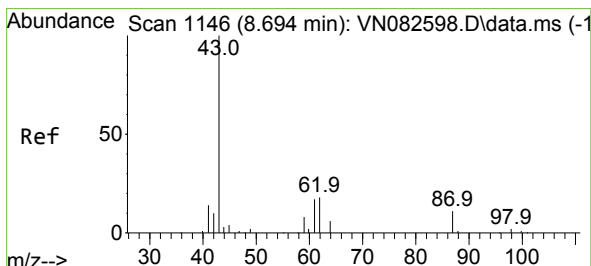
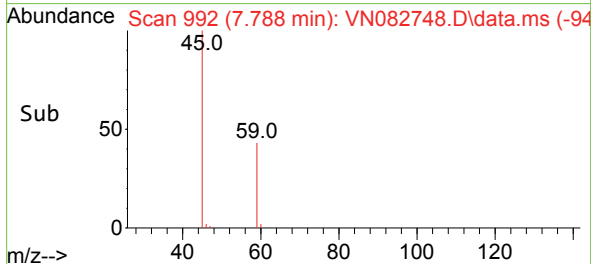
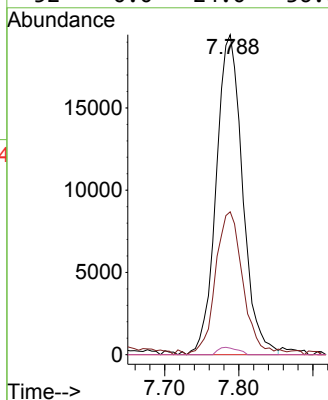


#41
Methacrylonitrile
Concen: 61.021 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

Instrument :
MSVOA_N
ClientSampleId :

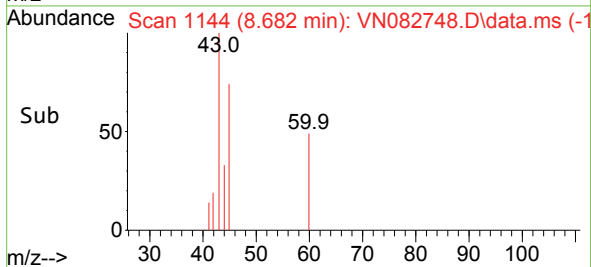
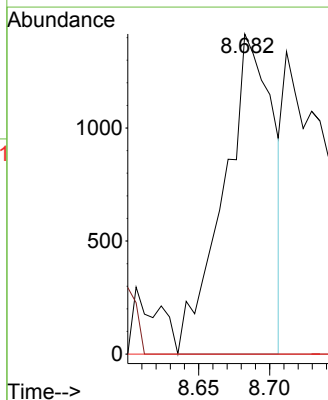
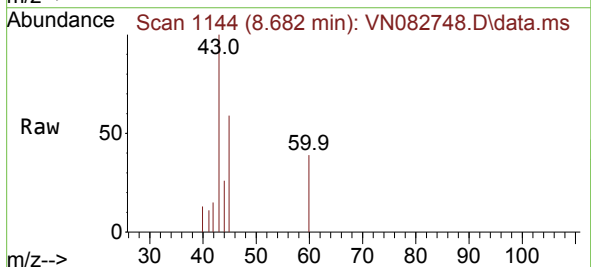


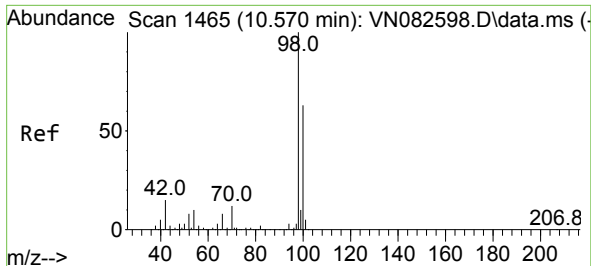
Tgt Ion:	41	Resp:	48050
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.5	68.3#
67	0.0	50.5	75.7#
52	0.0	24.0	36.0#



#43
Isopropyl Acetate
Concen: 0.764 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.012 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

Tgt Ion:	43	Resp:	3405
Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.8	26.6#
87	0.0	8.2	12.2#

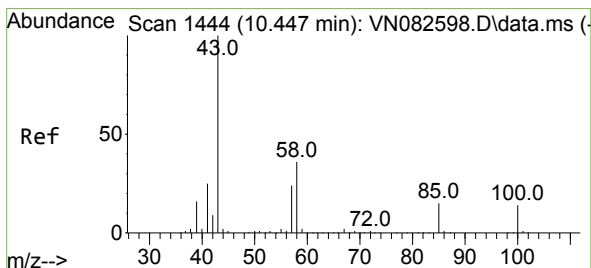
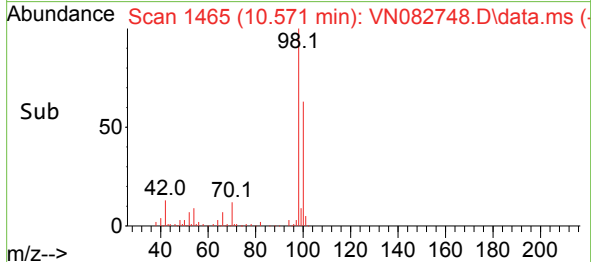
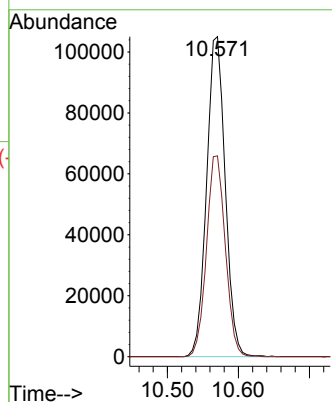
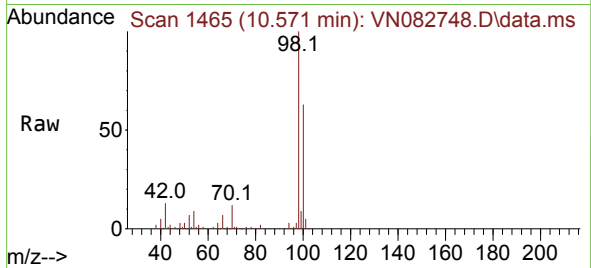




#50
Toluene-d8
Concen: 52.064 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

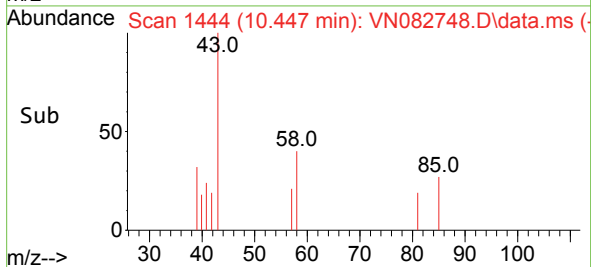
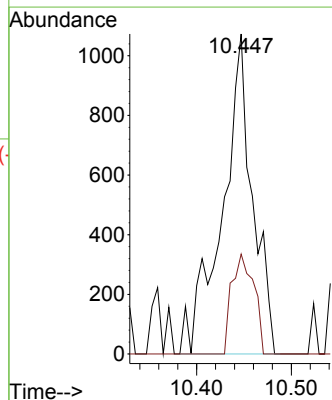
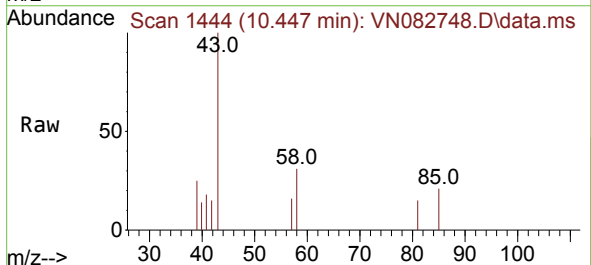
Instrument :
MSVOA_N
ClientSampleId :

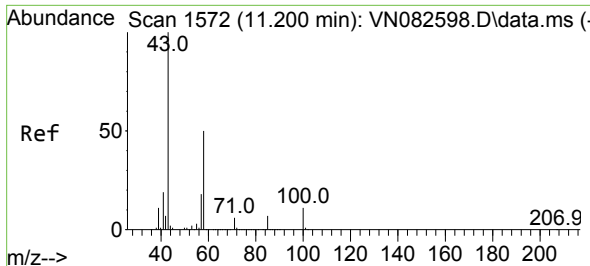
Tgt Ion: 98 Resp: 191405
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.526 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

Tgt Ion: 43 Resp: 2384
Ion Ratio Lower Upper
43 100
58 22.8 28.2 42.4#

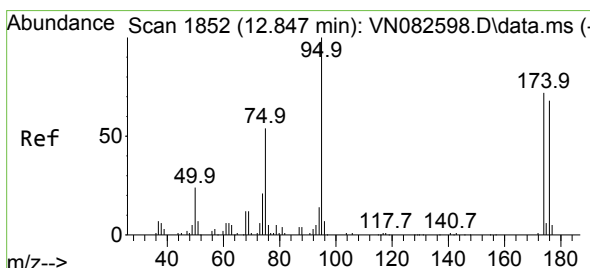
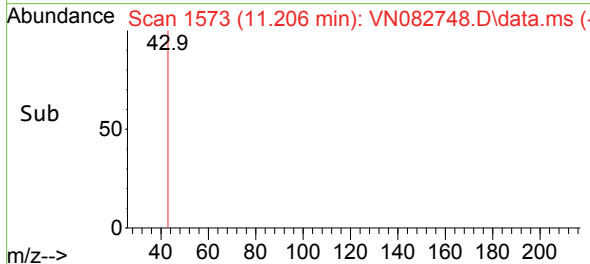
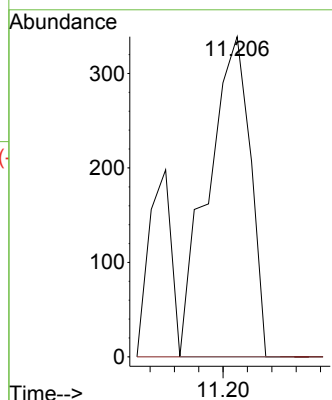
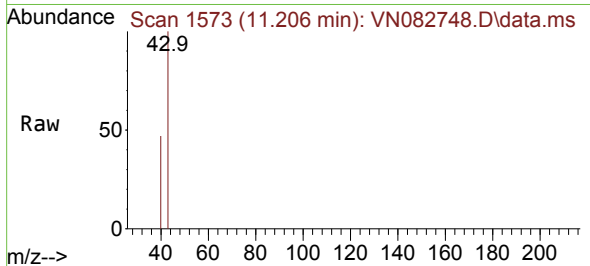




#59
2-Hexanone
Concen: 0.351 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

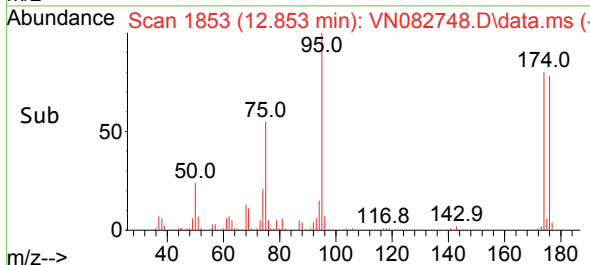
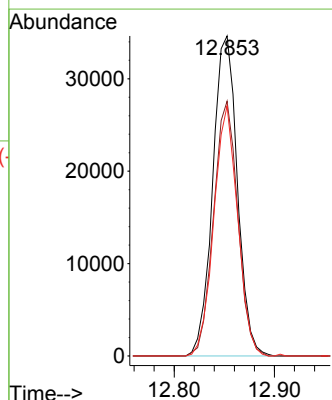
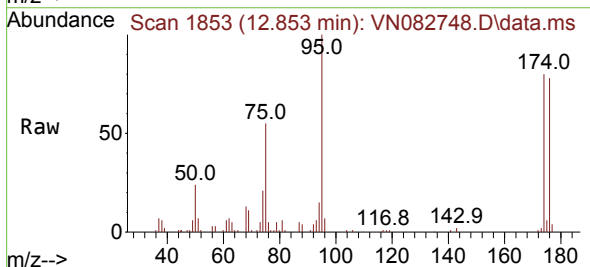
Instrument :
MSVOA_N
ClientSampleId :

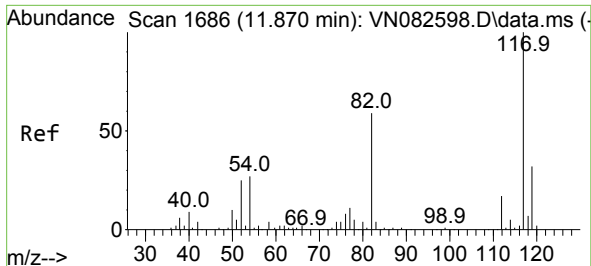
Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 46.806 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

Tgt Ion: 95 Resp: 59094
Ion Ratio Lower Upper
95 100
174 78.3 0.0 159.2
176 75.5 0.0 147.6

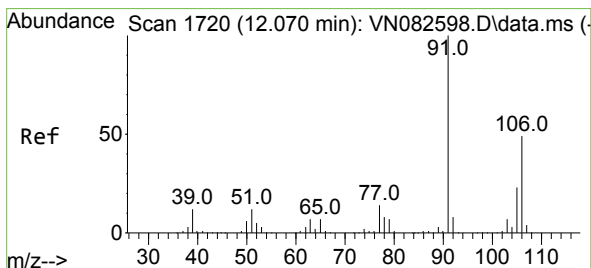
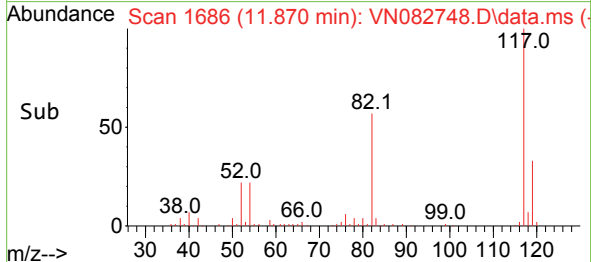
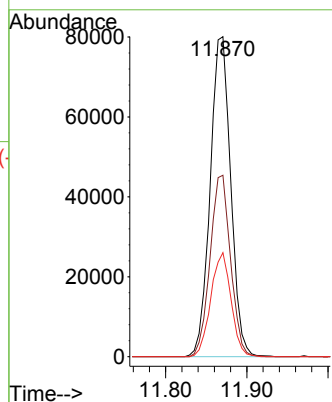
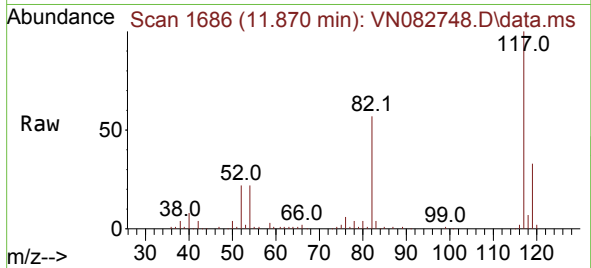




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

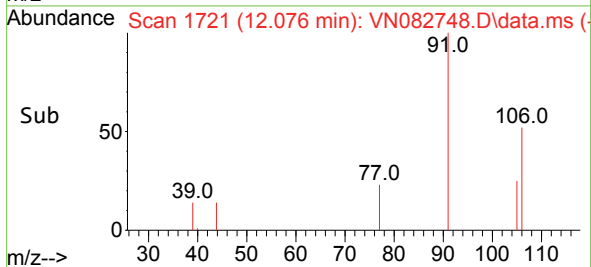
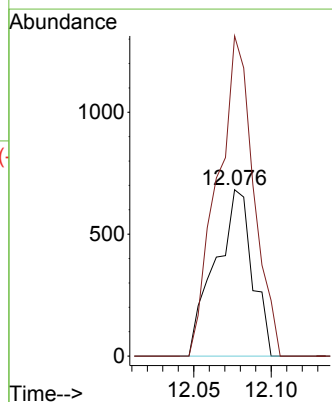
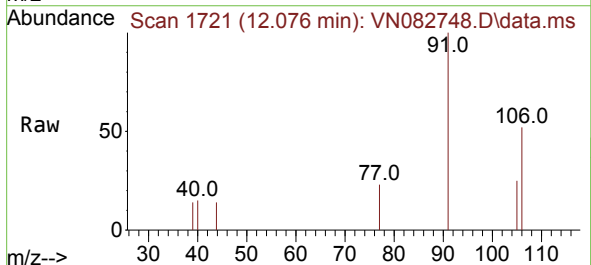
Instrument :
MSVOA_N
ClientSampleId :

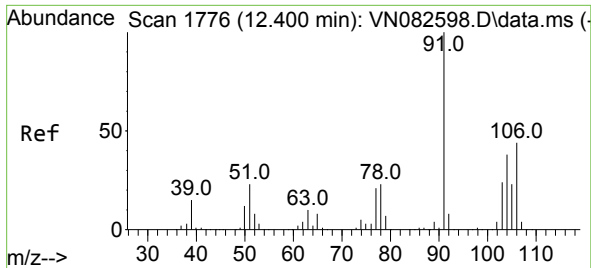
Tgt Ion:117 Resp: 140631
Ion Ratio Lower Upper
117 100
82 56.7 47.5 71.3
119 32.5 25.6 38.4



#68
m/p-Xylenes
Concen: 0.583 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

Tgt Ion:106 Resp: 1130
Ion Ratio Lower Upper
106 100
91 188.6 166.1 249.1

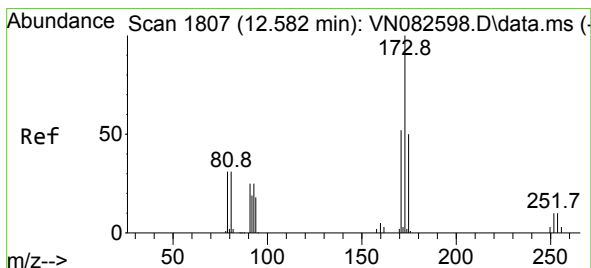
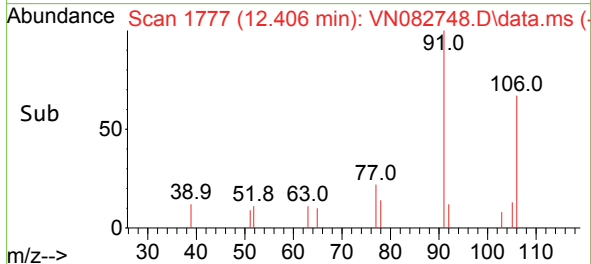
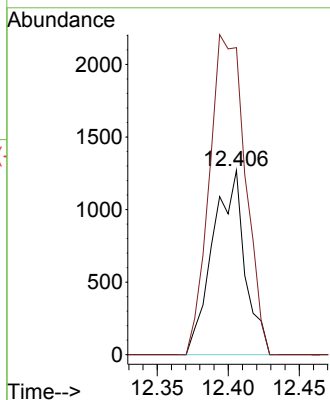
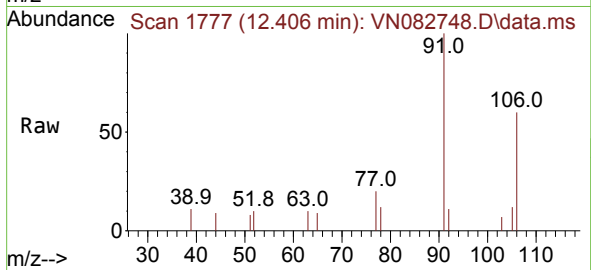




#69
o-Xylene
Concen: 1.071 ug/l
RT: 12.406 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

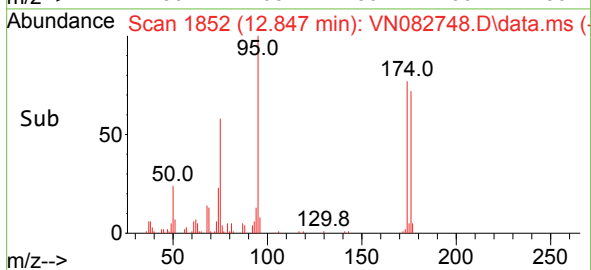
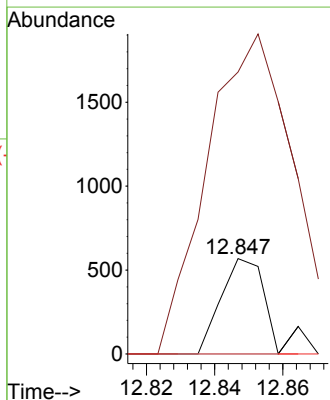
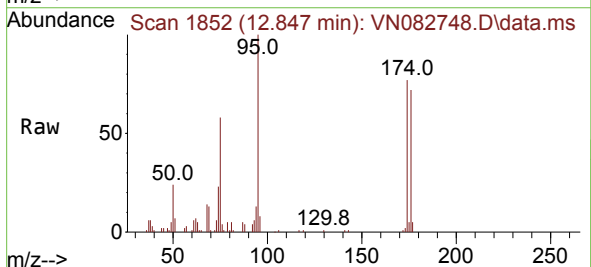
Instrument :
MSVOA_N
ClientSampleId :

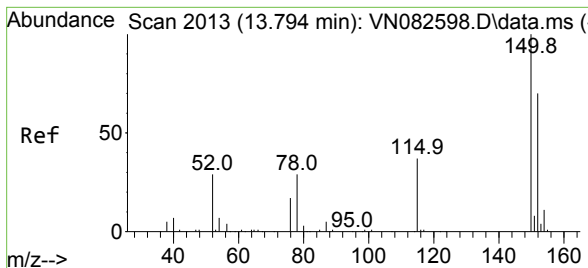
Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.2	111.3	333.9



#71
Bromoform
Concen: 0.570 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082748.D
Acq: 28 Jun 2024 15:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	569.7	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# 20

Delta R.T. -0.000 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

Instrument :

MSVOA_N

ClientSampleId :

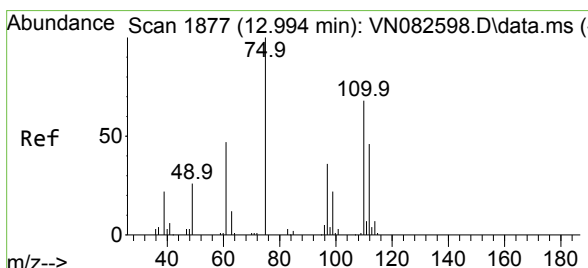
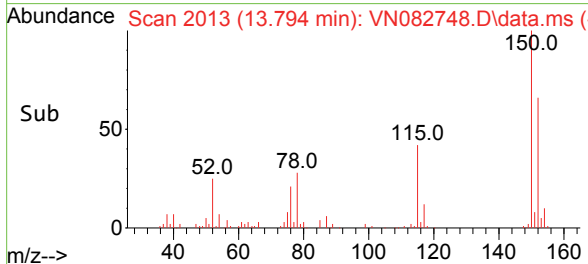
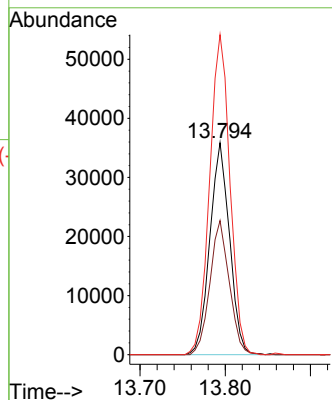
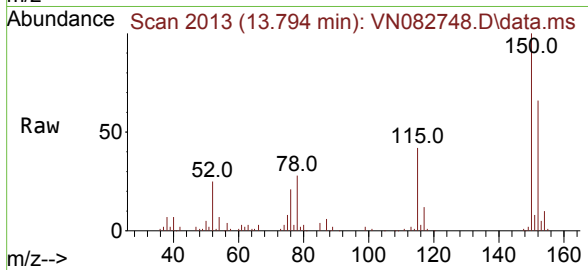
Tgt Ion:152 Resp: 57590

Ion Ratio Lower Upper

152 100

115 62.4 30.6 91.6

150 155.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 27.289 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082748.D

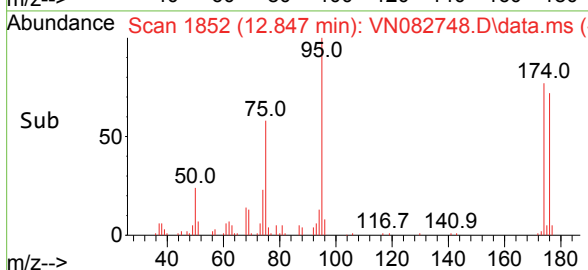
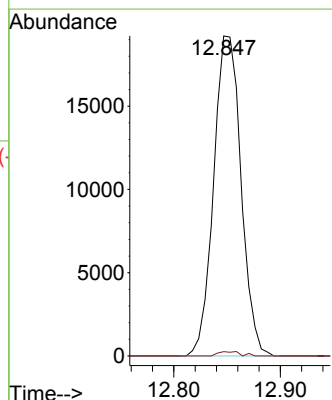
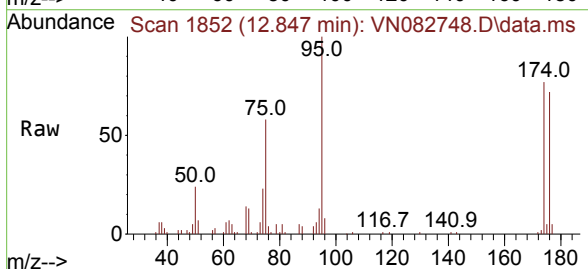
Acq: 28 Jun 2024 15:23

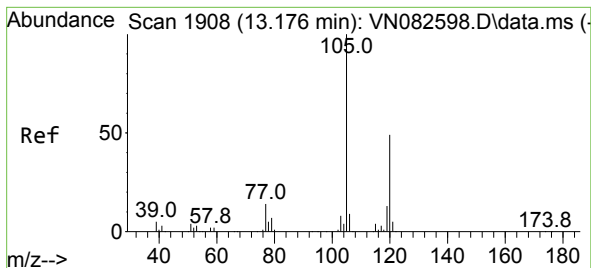
Tgt Ion: 75 Resp: 34280

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#





#80

1,3,5-Trimethylbenzene

Concen: 0.529 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

Instrument :

MSVOA_N

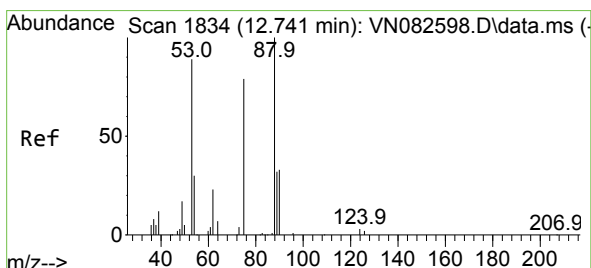
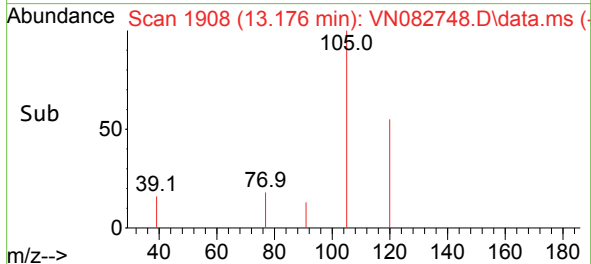
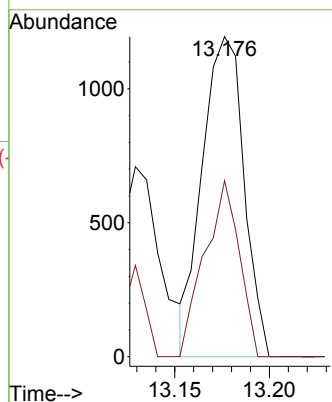
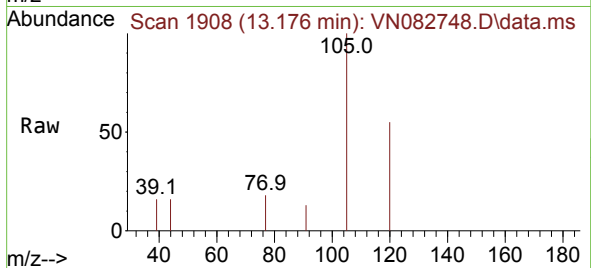
ClientSampleId :

Tgt Ion:105 Resp: 1825

Ion Ratio Lower Upper

105 100

120 46.0 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 71.168 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

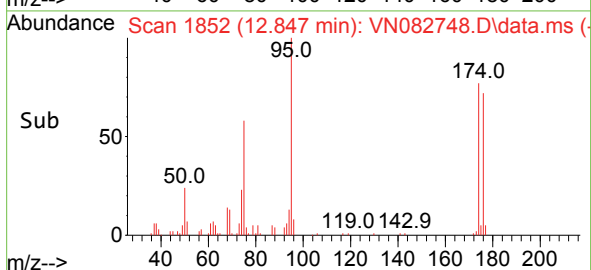
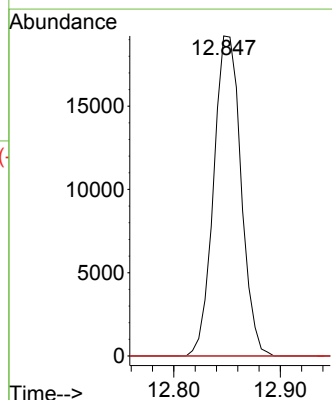
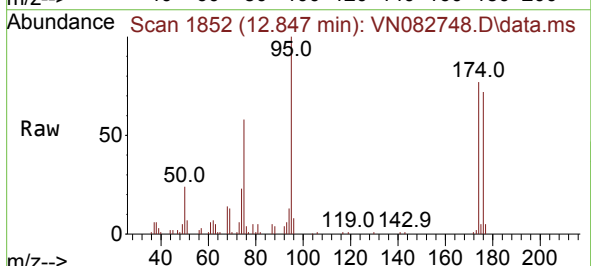
Tgt Ion: 75 Resp: 34280

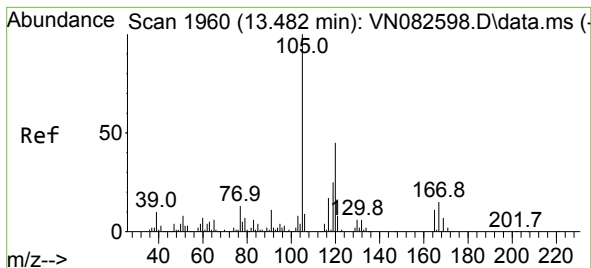
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#





#84

1,2,4-Trimethylbenzene

Concen: 1.678 ug/l

RT: 13.335 min Scan# 1960

Delta R.T. -0.147 min

Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

Instrument :

MSVOA_N

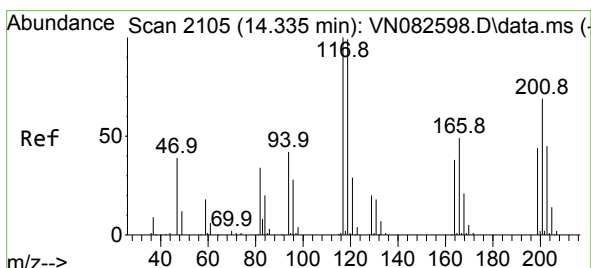
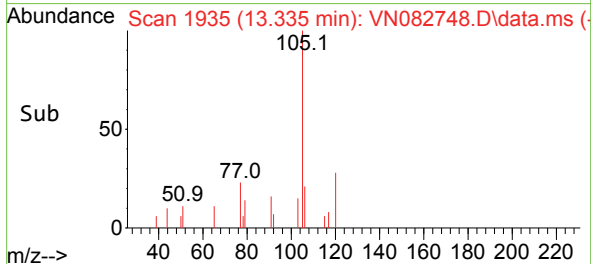
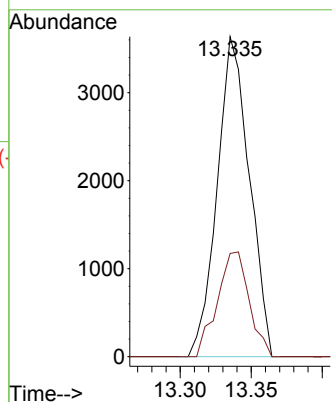
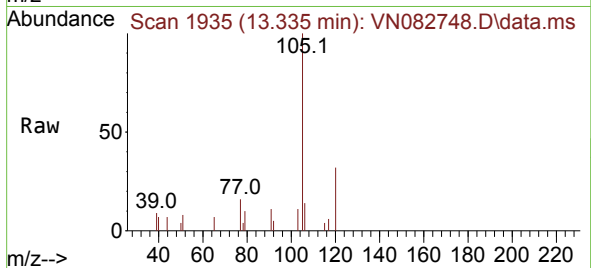
ClientSampleId :

Tgt Ion:105 Resp: 5723

Ion Ratio Lower Upper

105 100

120 32.3 21.9 65.8



#90

Hexachloroethane

Concen: 6.191 ug/l

RT: 14.441 min Scan# 2123

Delta R.T. 0.106 min

Lab File: VN082748.D

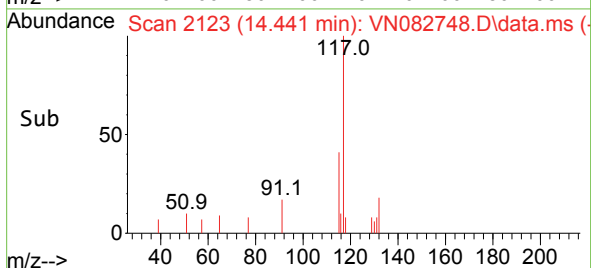
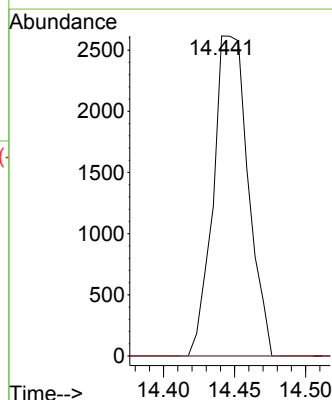
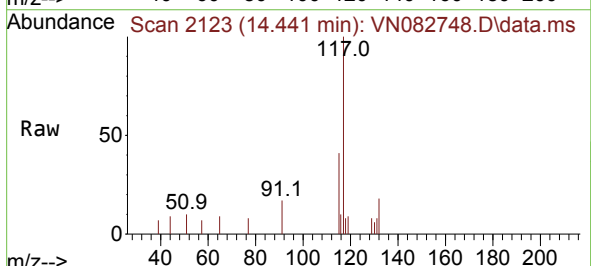
Acq: 28 Jun 2024 15:23

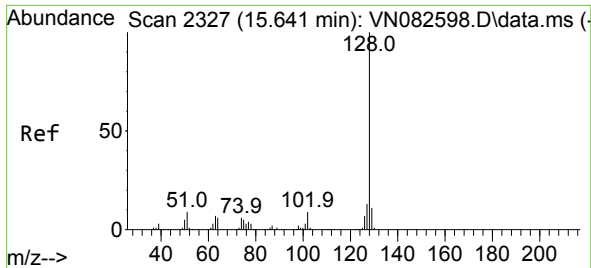
Tgt Ion:117 Resp: 4481

Ion Ratio Lower Upper

117 100

201 0.0 35.8 107.3#





#95

Naphthalene

Concen: 2.328 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

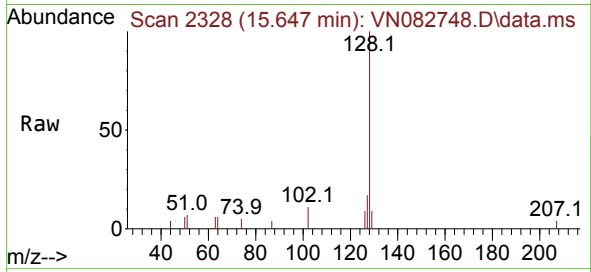
Lab File: VN082748.D

Acq: 28 Jun 2024 15:23

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 7164

Ion Ratio Lower Upper

128 100

127 13.9 10.6 16.0

129 9.7 8.6 12.8

