

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
 Data File : VN080684.D
 Acq On : 12 Jan 2024 12:47
 Operator : JC\MD
 Sample : VN0112MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 22:10:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	143769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	333938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331109	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131864	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104465	41.377	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.760%
35) Dibromofluoromethane	8.171	113	87285	46.004	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.000%
50) Toluene-d8	10.565	98	346631	47.912	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.820%
62) 4-Bromofluorobenzene	12.847	95	141515	51.008	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.020%

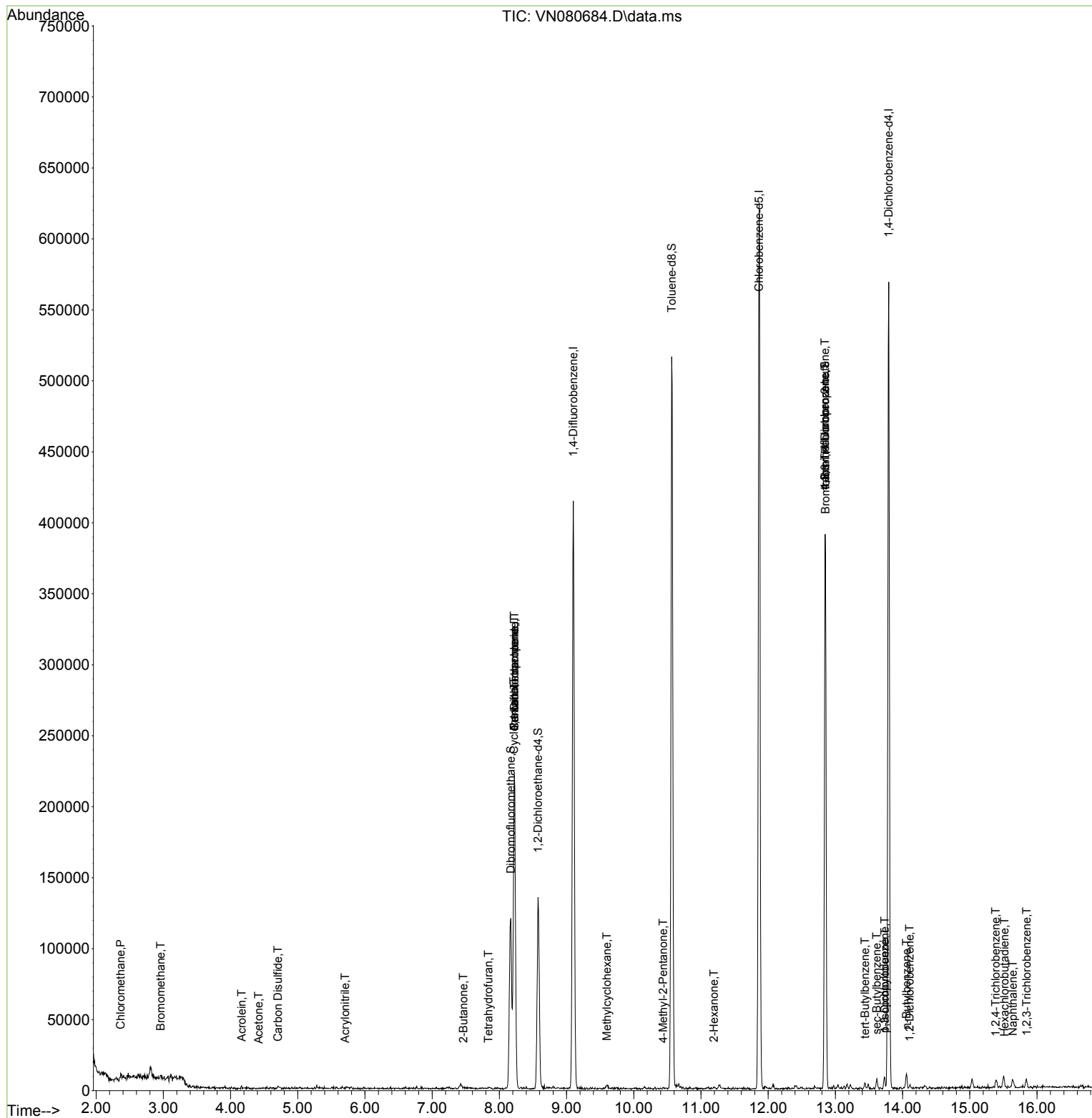
Target Compounds				Qvalue		
3) Chloromethane	2.365	50	3041	0.506	ug/l #	85
5) Bromomethane	2.959	94	228	0.283	ug/l #	73
6) Chloroethane	3.159	64	70	Below Cal	#	43
13) Acrolein	4.165	56	191	0.535	ug/l #	9
15) Acrylonitrile	5.706	53	288	0.258	ug/l #	63
16) Acetone	4.418	43	1119	1.350	ug/l #	40
17) Carbon Disulfide	4.706	76	3850	0.586	ug/l #	75
25) 2-Butanone	7.465	43	422	0.282	ug/l #	37
29) Tetrahydrofuran	7.835	42	531	0.526	ug/l #	36
31) Cyclohexane	8.218	56	5858	1.502	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	14961	3.849	ug/l #	48
38) Carbon Tetrachloride	8.224	117	17570	5.035	ug/l #	17
39) Methylcyclohexane	9.600	83	1164	0.313	ug/l #	48
51) 4-Methyl-2-Pentanone	10.435	43	834	0.223	ug/l #	31
59) 2-Hexanone	11.194	43	1072	0.389	ug/l	78
71) Bromoform	12.853	173	672	0.380	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	76839	18.897	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76839	44.549	ug/l #	15
83) tert-Butylbenzene	13.441	119	1696	0.203	ug/l	78
85) sec-Butylbenzene	13.617	105	4745	0.400	ug/l	86
86) p-Isopropyltoluene	13.735	119	2790	0.298	ug/l #	63
87) 1,3-Dichlorobenzene	13.735	146	1013	0.213	ug/l #	57
89) n-Butylbenzene	14.059	91	6260	0.693	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	941	0.210	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	1994	0.854	ug/l	88
94) Hexachlorobutadiene	15.517	225	1602	1.430	ug/l #	56
95) Naphthalene	15.641	128	5168	0.562	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.847	180	1659	0.734	ug/l	88

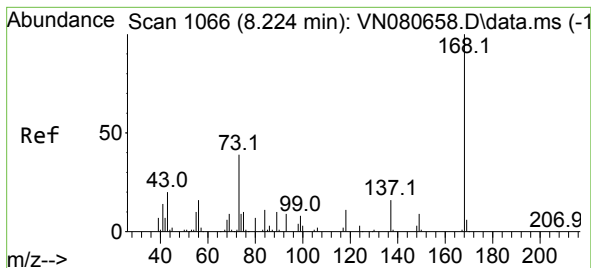
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011224\
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 12 22:10:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

Instrument :

MSVOA_N

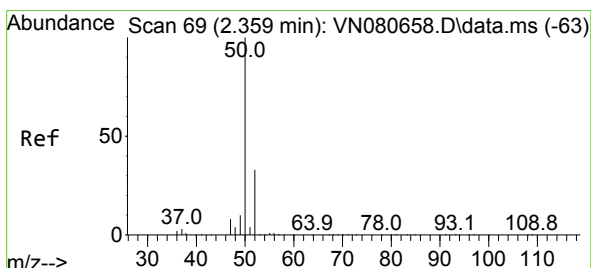
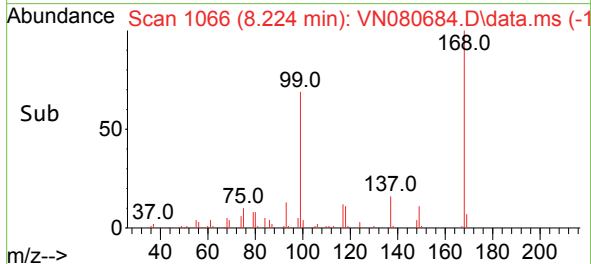
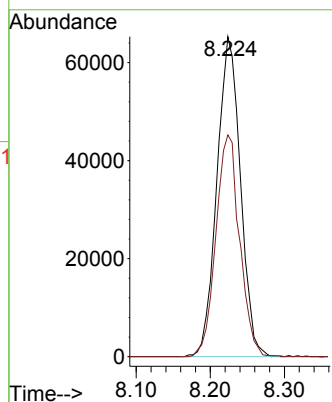
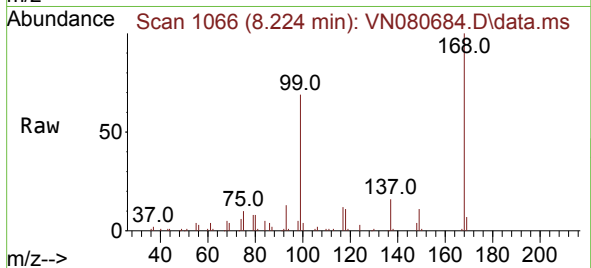
ClientSampleId :

Tgt Ion:168 Resp: 143769

Ion Ratio Lower Upper

168 100

99 69.3 53.0 79.6



#3

Chloromethane

Concen: 0.506 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080684.D

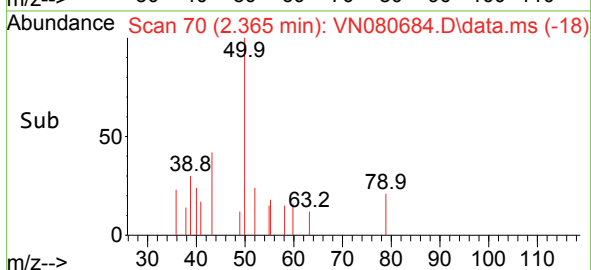
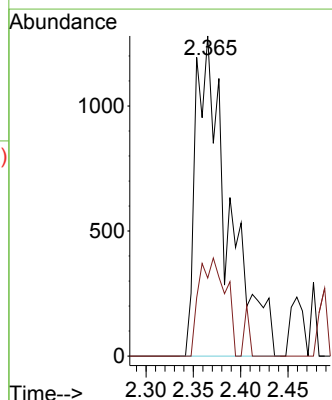
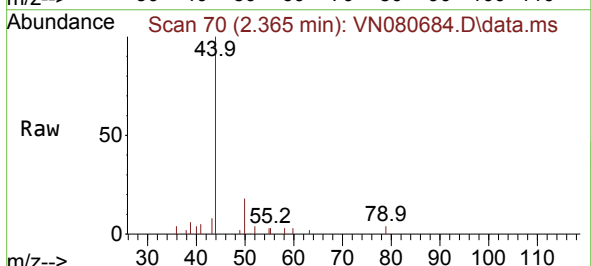
Acq: 12 Jan 2024 12:47

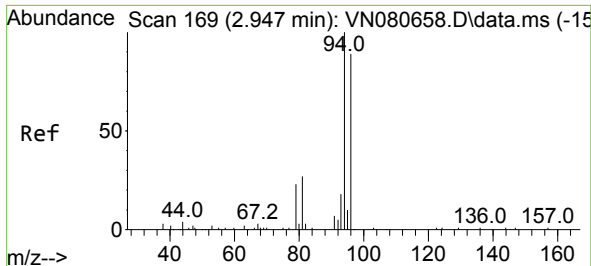
Tgt Ion: 50 Resp: 3041

Ion Ratio Lower Upper

50 100

52 24.4 26.5 39.7#

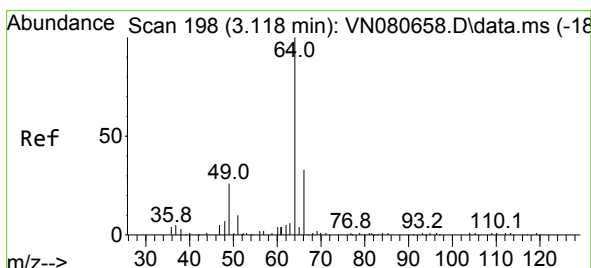
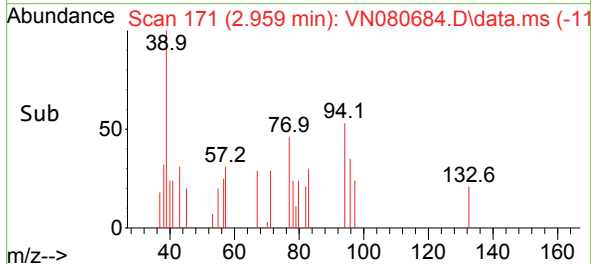
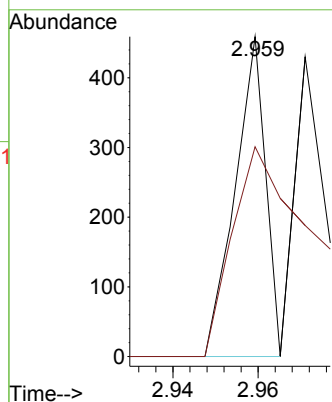
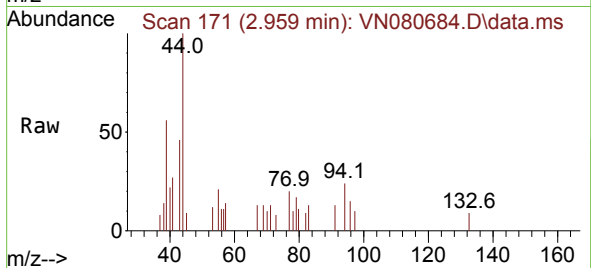




#5
Bromomethane
Concen: 0.283 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

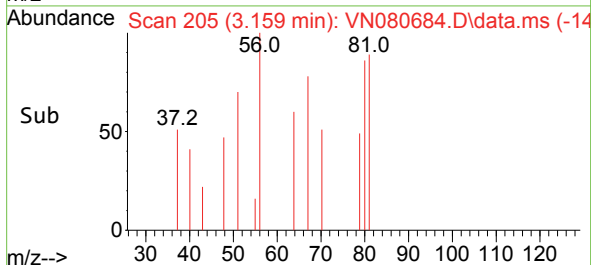
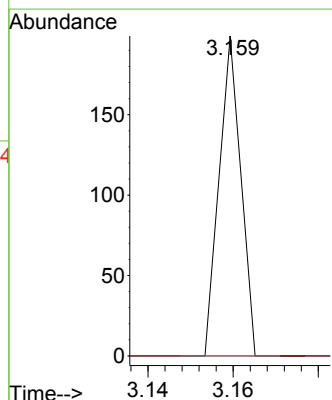
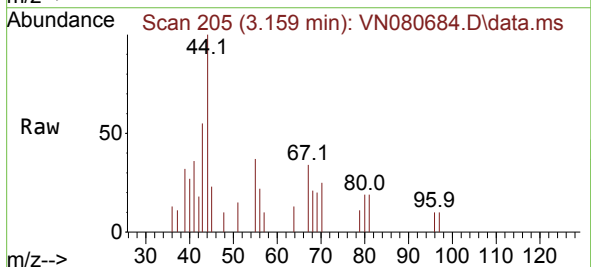
Instrument :
MSVOA_N
ClientSampleId :

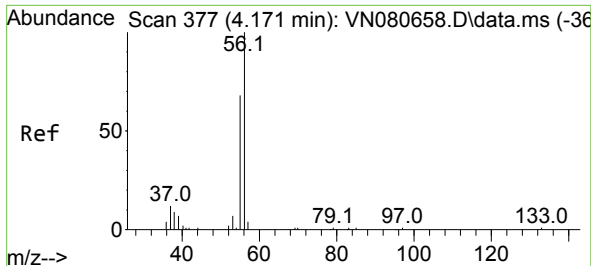
Tgt Ion: 94 Resp: 228
Ion Ratio Lower Upper
94 100
96 65.6 73.1 109.7#



#6
Chloroethane
Concen: Below Cal
RT: 3.159 min Scan# 205
Delta R.T. 0.041 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

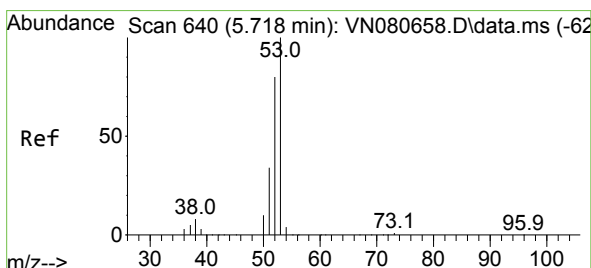
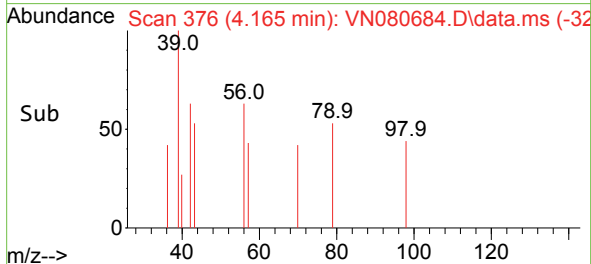
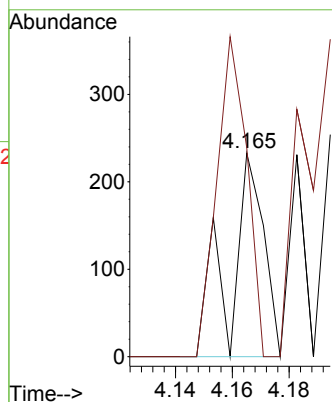
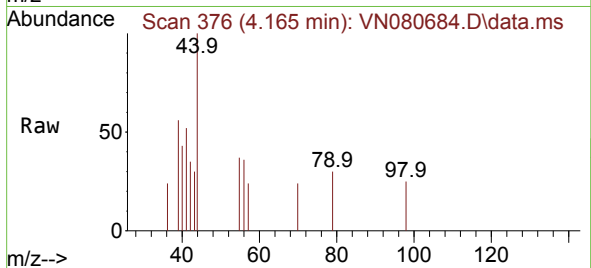




#13
Acrolein
Concen: 0.535 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

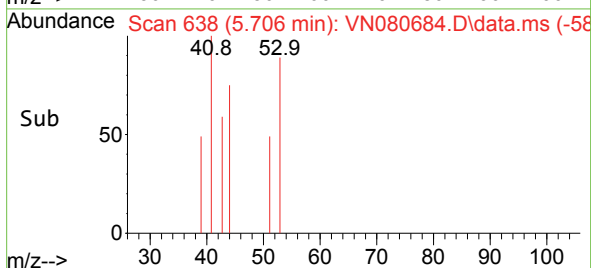
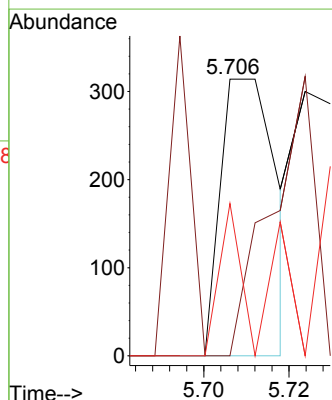
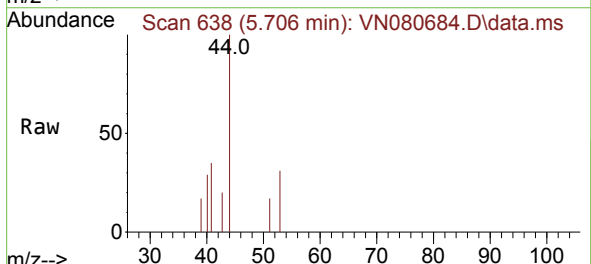
Instrument :
MSVOA_N
ClientSampleId :

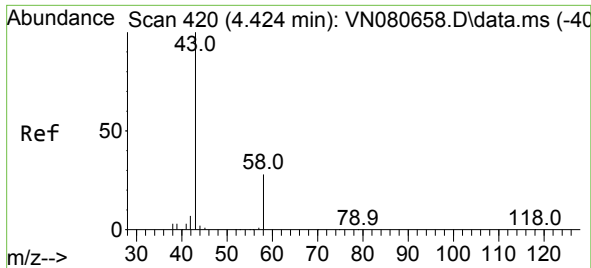
Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 141.4 54.5 81.7#



#15
Acrylonitrile
Concen: 0.258 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.012 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Tgt Ion: 53 Resp: 288
Ion Ratio Lower Upper
53 100
52 44.4 65.3 97.9#
51 21.2 28.9 43.3#





#16

Acetone

Concen: 1.350 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

Instrument :

MSVOA_N

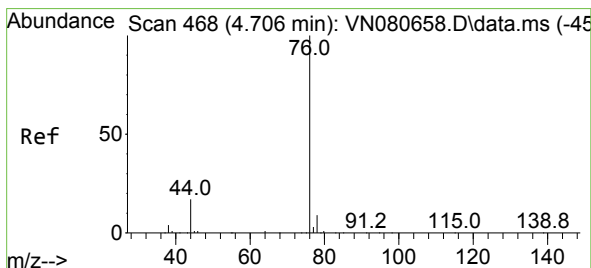
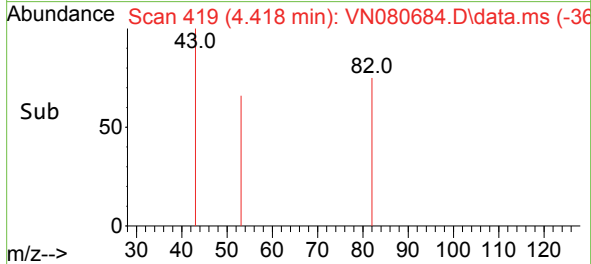
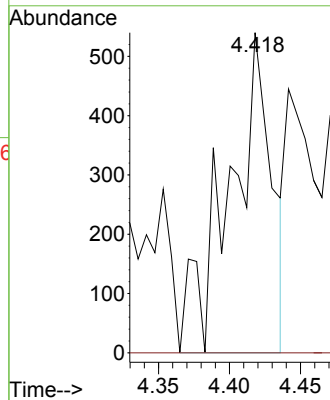
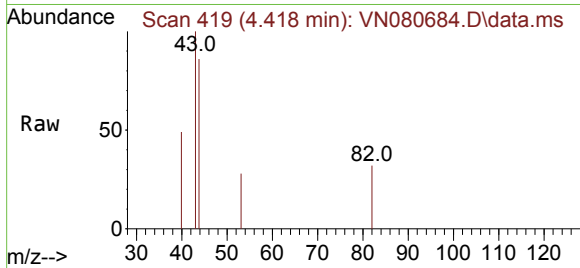
ClientSampleId :

Tgt Ion: 43 Resp: 1119

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#17

Carbon Disulfide

Concen: 0.586 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.000 min

Lab File: VN080684.D

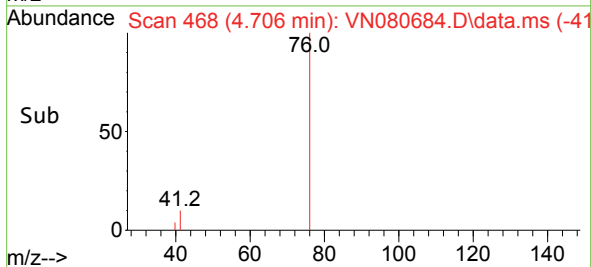
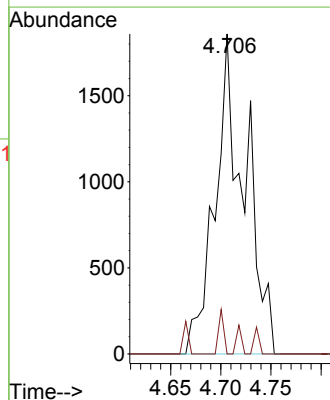
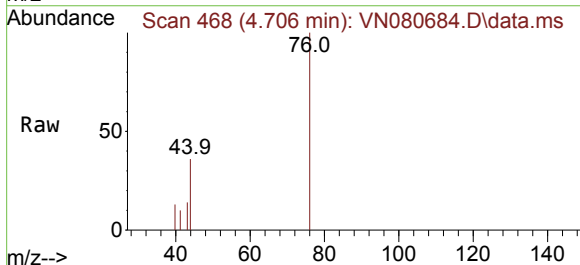
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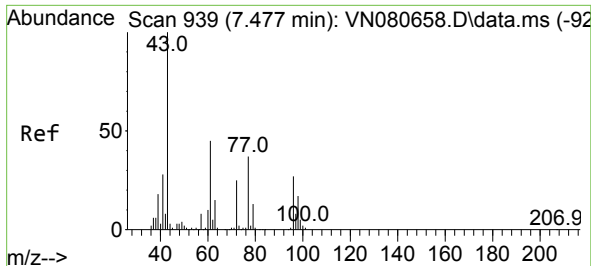
Tgt Ion: 76 Resp: 3850

Ion Ratio Lower Upper

76 100

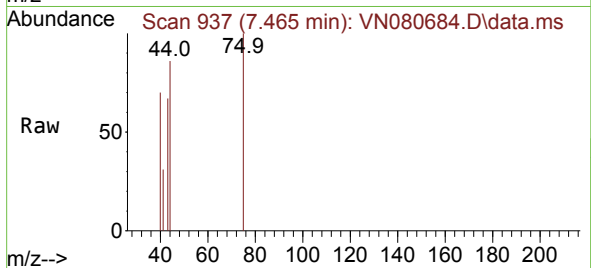
78 0.0 7.4 11.0#



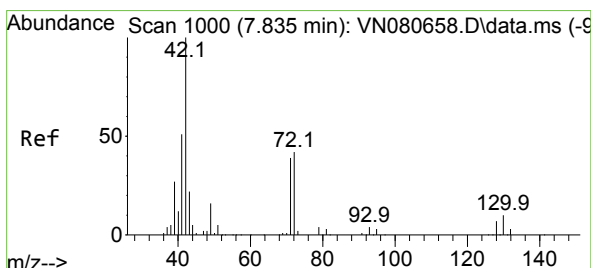
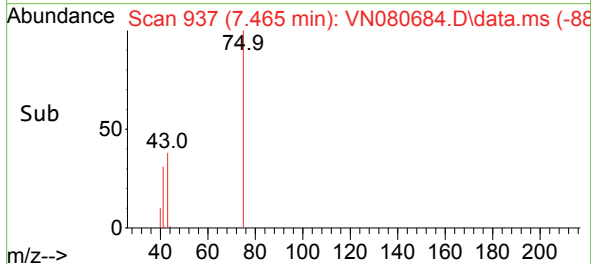
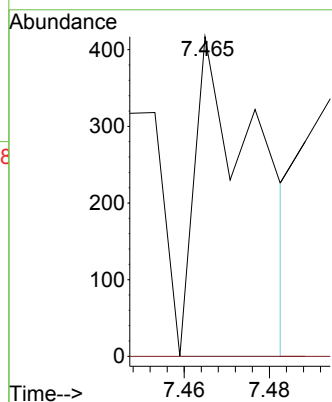


#25
2-Butanone
Concen: 0.282 ug/l
RT: 7.465 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

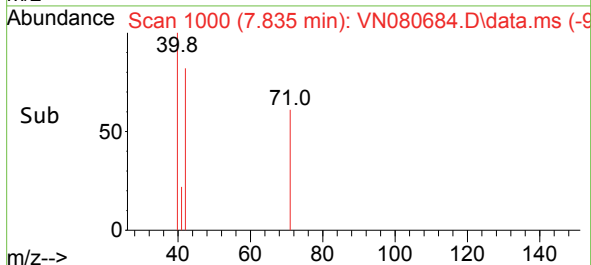
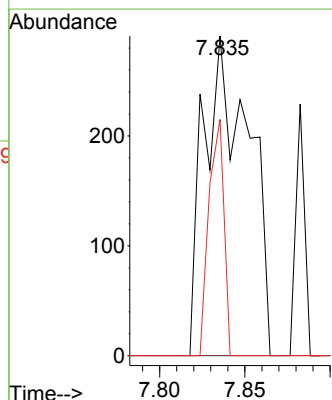
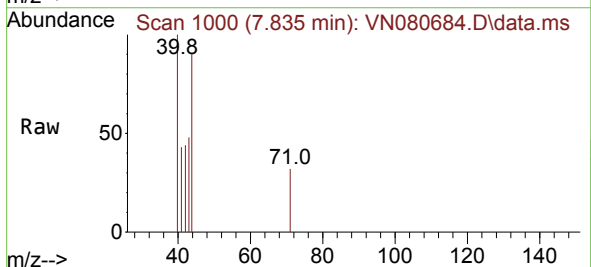


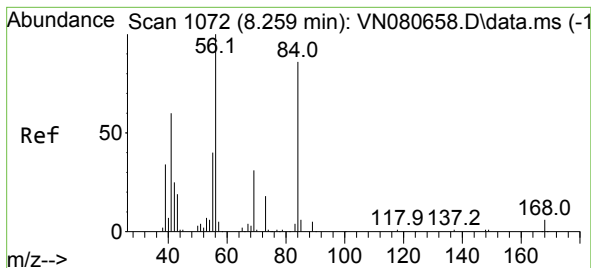
Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.526 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Tgt Ion: 42 Resp: 531
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 24.7 47.4 71.2#





#31

Cyclohexane

Concen: 1.502 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

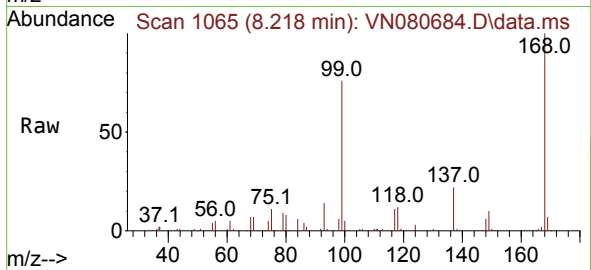
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Acq: 12 Jan 2024 12:47

Instrument :

MSVOA_N

ClientSampleId :



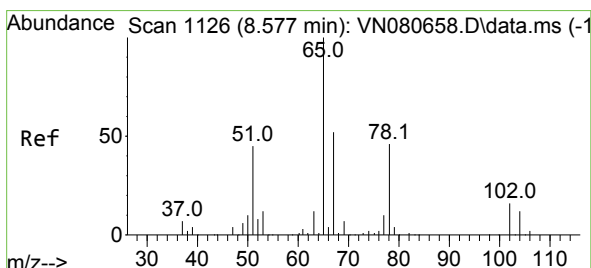
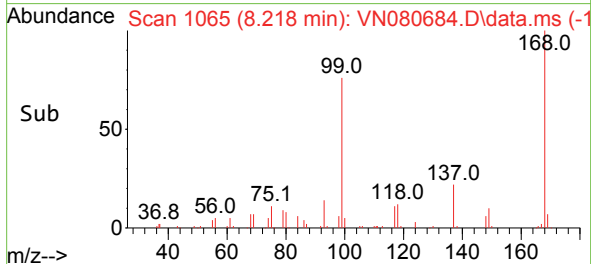
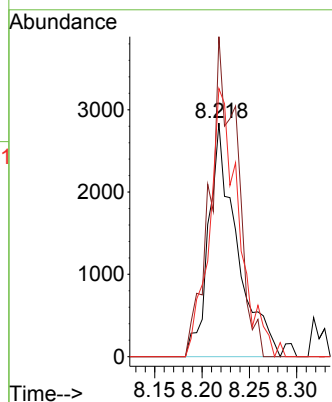
Tgt Ion: 56 Resp: 5858

Ion Ratio Lower Upper

56 100

69 136.9 26.8 40.2#

84 114.8 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 41.377 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN080684.D

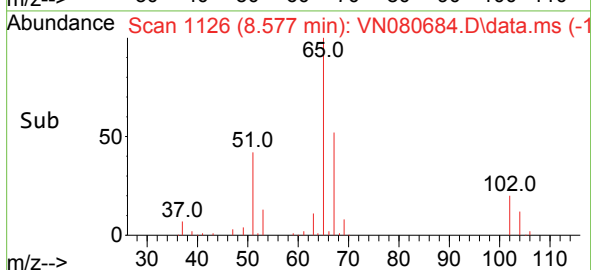
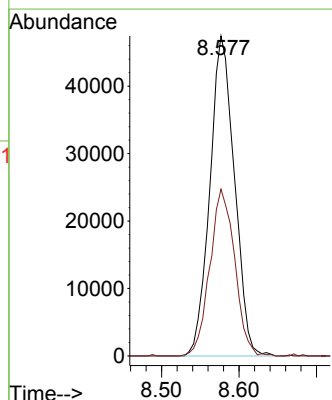
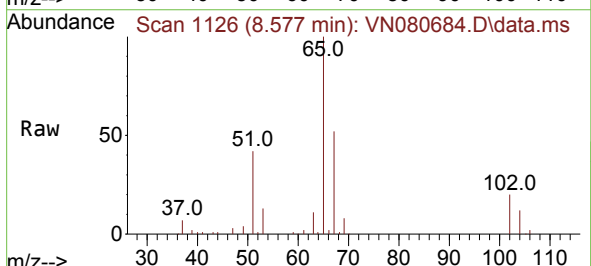
Acq: 12 Jan 2024 12:47

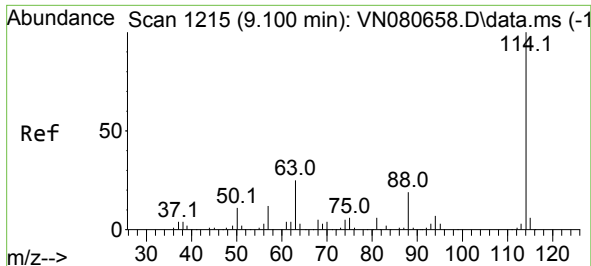
Tgt Ion: 65 Resp: 104465

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

Instrument :

MSVOA_N

ClientSampleId :

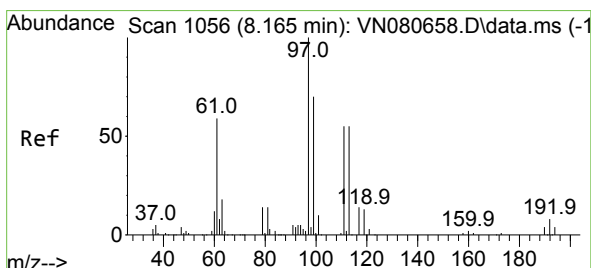
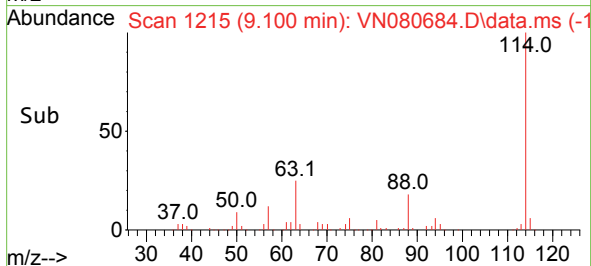
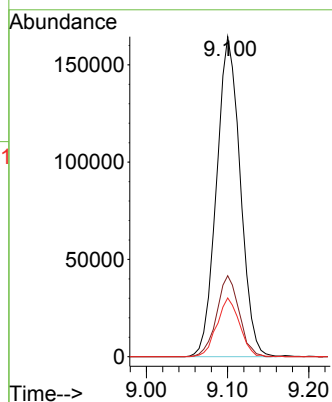
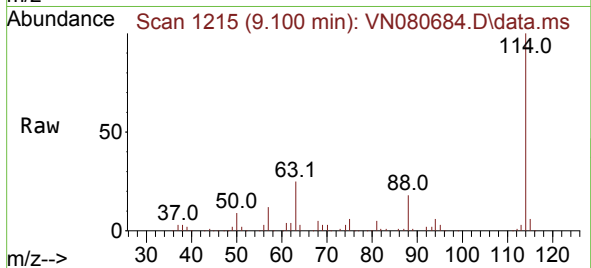
Tgt Ion:114 Resp: 333938

Ion Ratio Lower Upper

114 100

63 25.3 0.0 36.4

88 18.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.004 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

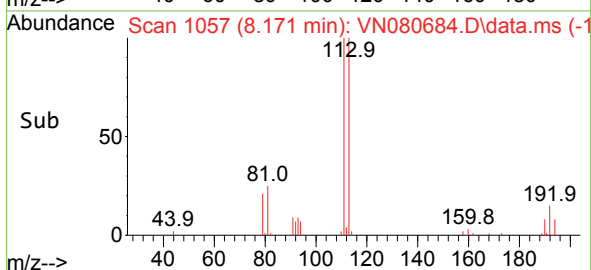
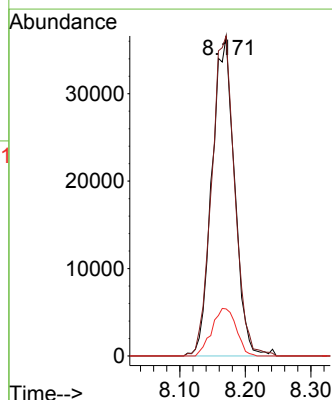
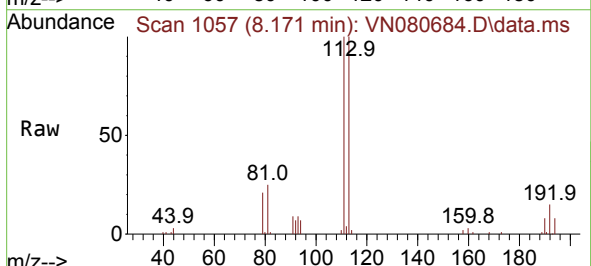
Tgt Ion:113 Resp: 87285

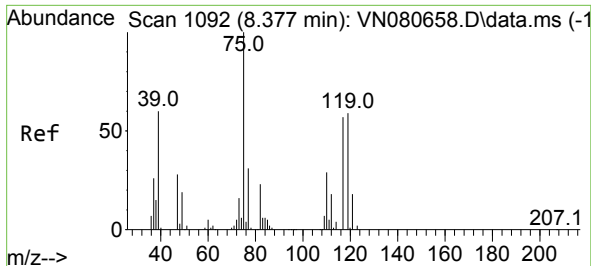
Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

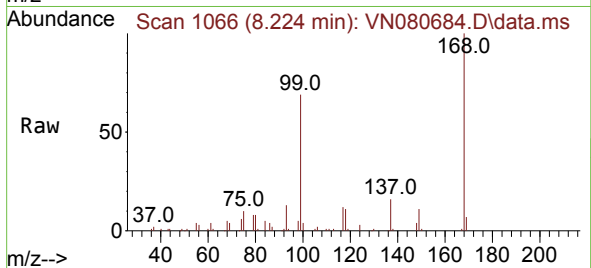
192 16.1 12.7 19.1



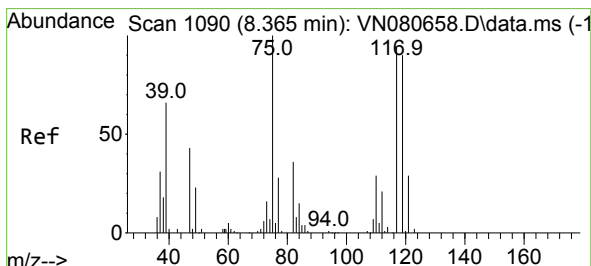
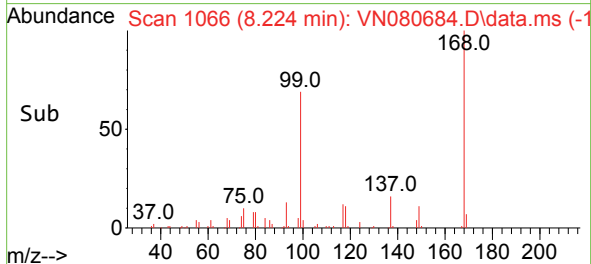
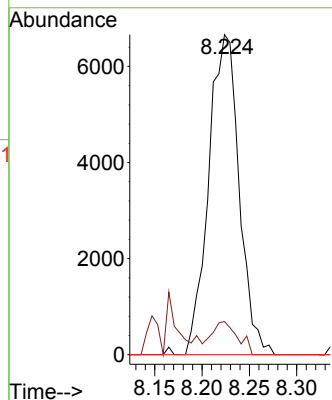


#36
1,1-Dichloropropene
Concen: 3.849 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

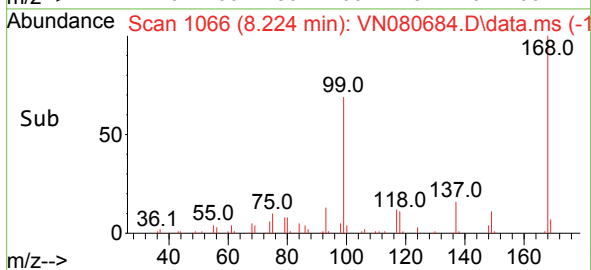
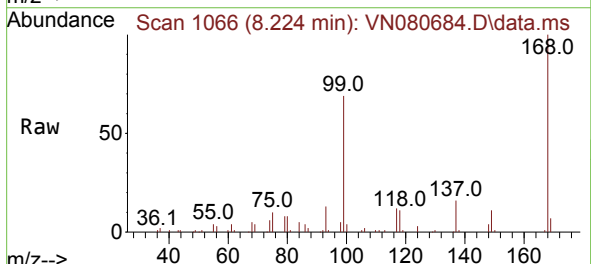
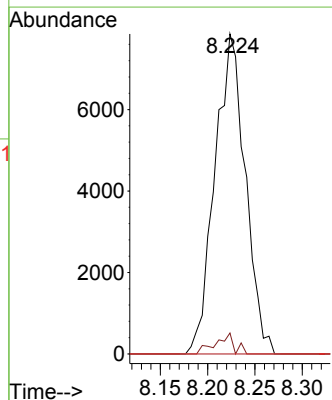


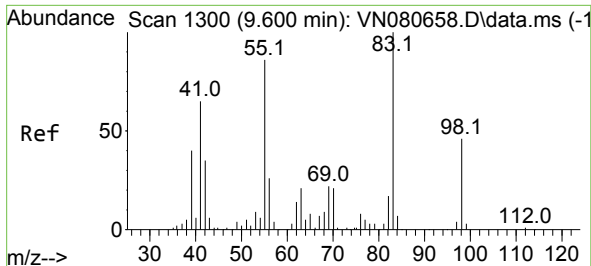
Tgt Ion: 75 Resp: 14961
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.035 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

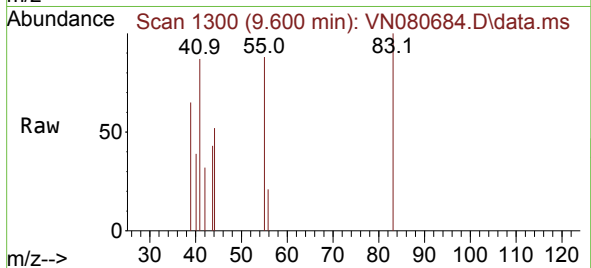
Tgt Ion: 117 Resp: 17570
Ion Ratio Lower Upper
117 100
119 6.6 77.3 115.9#
121 0.0 23.3 34.9#



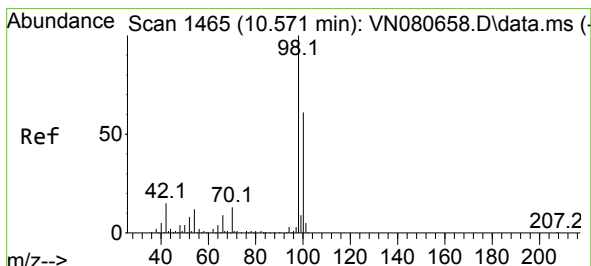
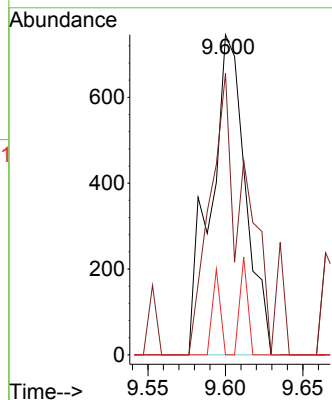
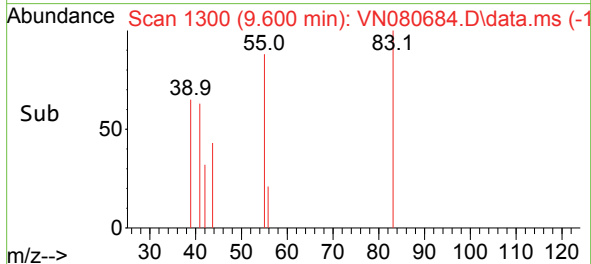


#39
Methylcyclohexane
Concen: 0.313 ug/l
RT: 9.600 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

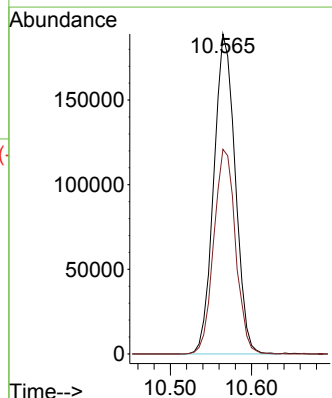
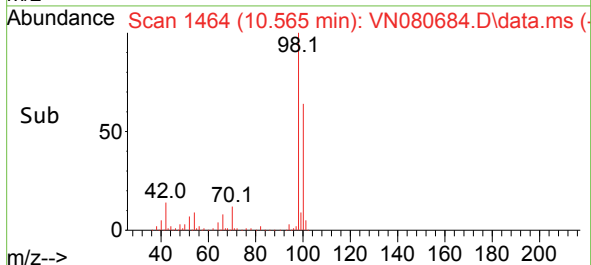
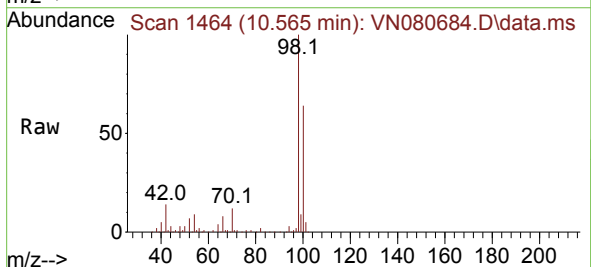


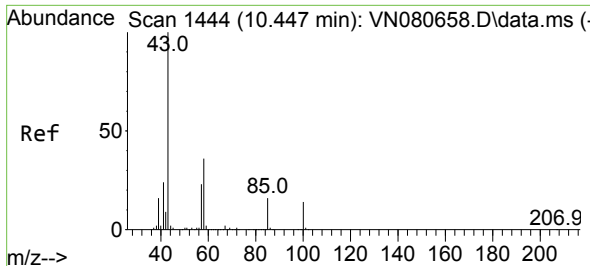
Tgt Ion: 83 Resp: 1164
Ion Ratio Lower Upper
83 100
55 87.9 49.1 73.7#
98 0.0 40.6 61.0#



#50
Toluene-d8
Concen: 47.912 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Tgt Ion: 98 Resp: 346631
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

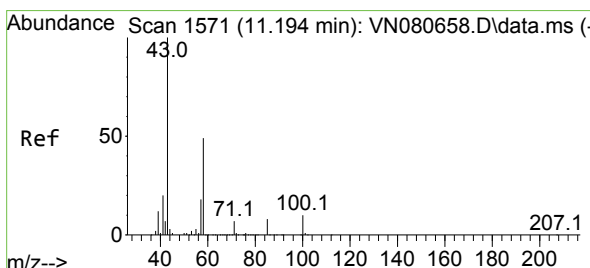
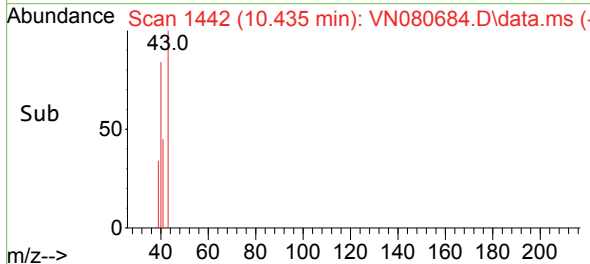
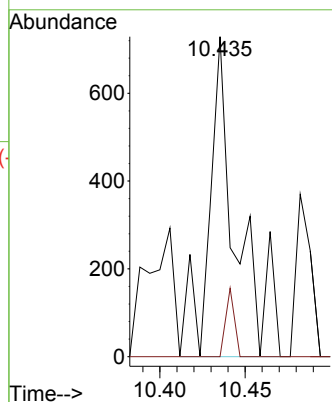
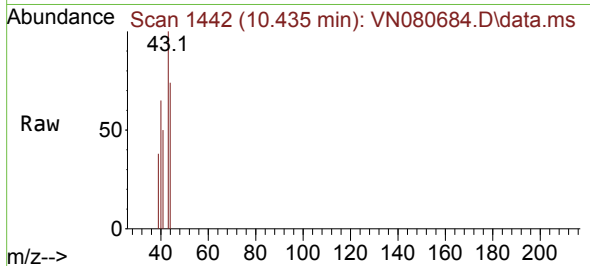




#51
4-Methyl-2-Pentanone
Concen: 0.223 ug/l
RT: 10.435 min Scan# 1444
Delta R.T. -0.012 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

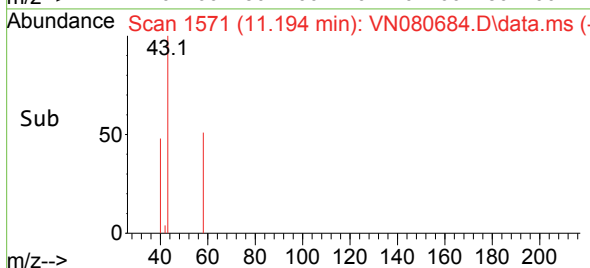
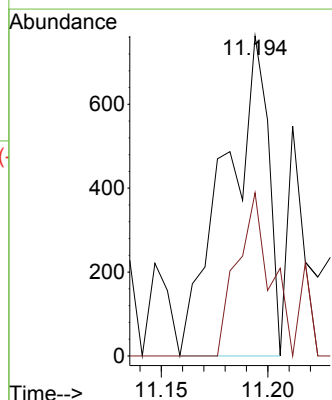
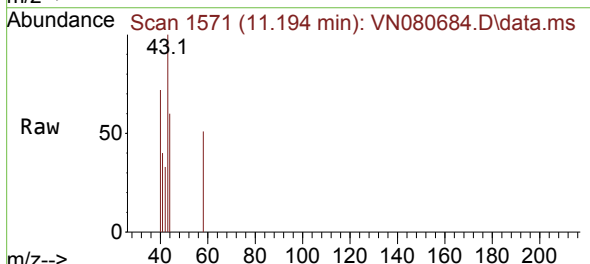
Instrument :
MSVOA_N
ClientSampleId :

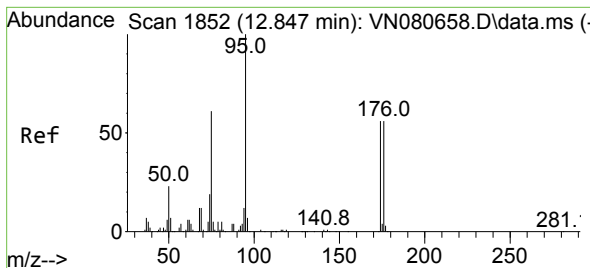
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#



#59
2-Hexanone
Concen: 0.389 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
58 46.6 31.7 95.1

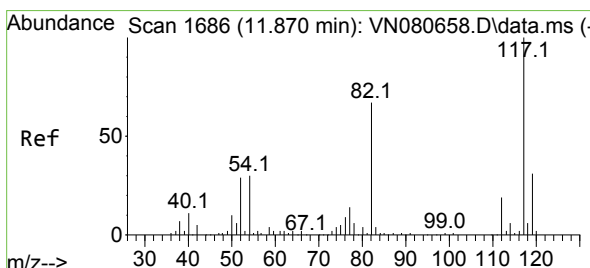
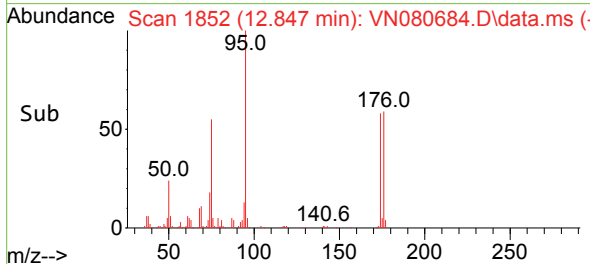
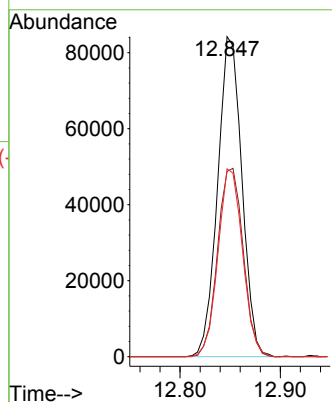
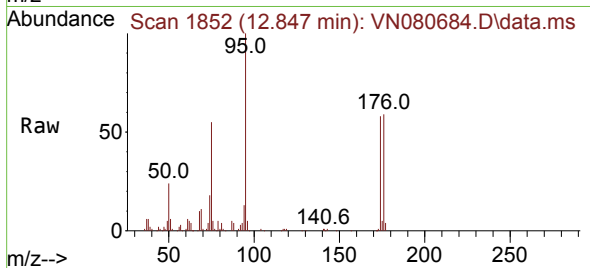




#62
4-Bromofluorobenzene
Concen: 51.008 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

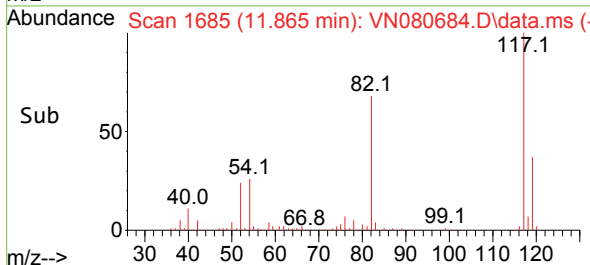
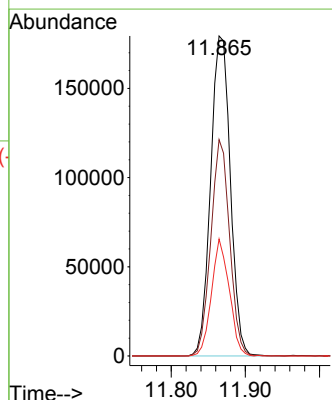
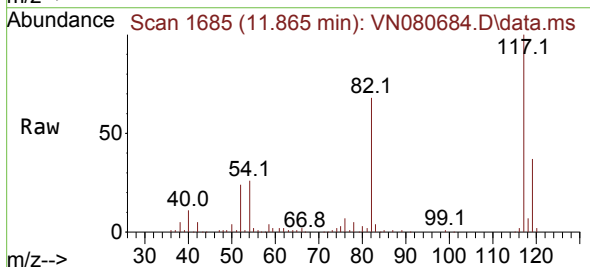
Instrument :
MSVOA_N
ClientSampleId :

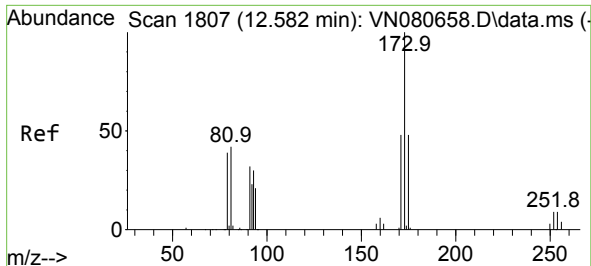
Tgt Ion: 95 Resp: 141515
Ion Ratio Lower Upper
95 100
174 61.9 0.0 143.8
176 59.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Tgt Ion: 117 Resp: 331109
Ion Ratio Lower Upper
117 100
82 67.6 44.0 66.0#
119 36.5 25.6 38.4

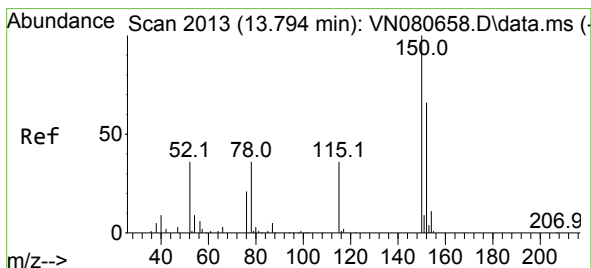
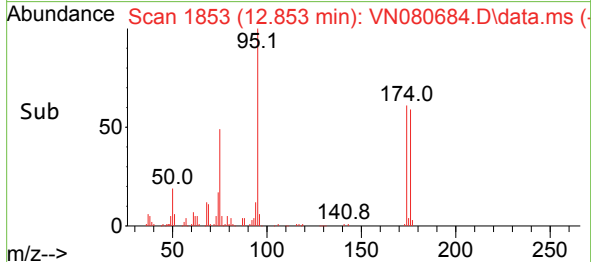
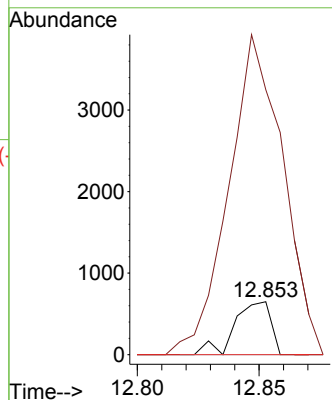
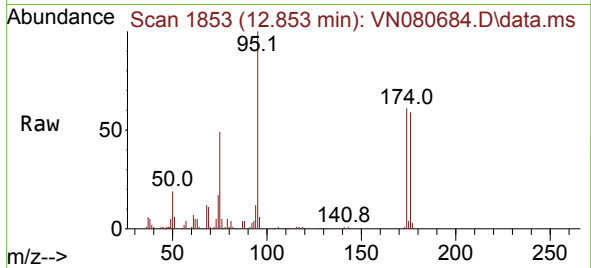




#71
Bromoform
Concen: 0.380 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

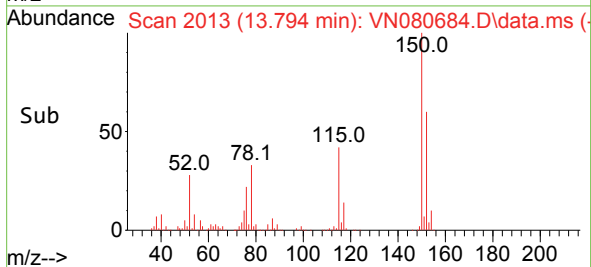
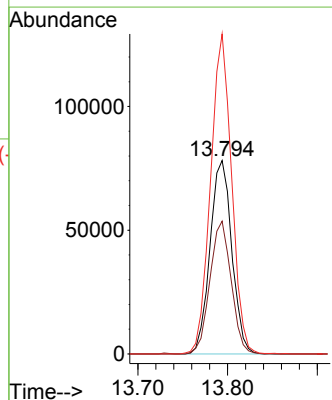
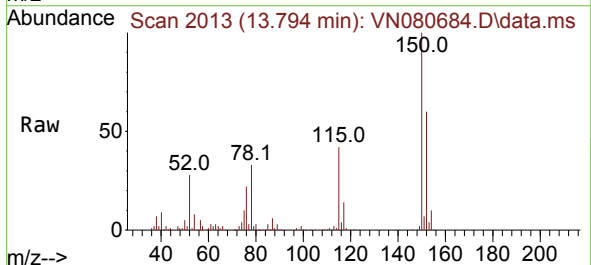
Instrument :
MSVOA_N
ClientSampleId :

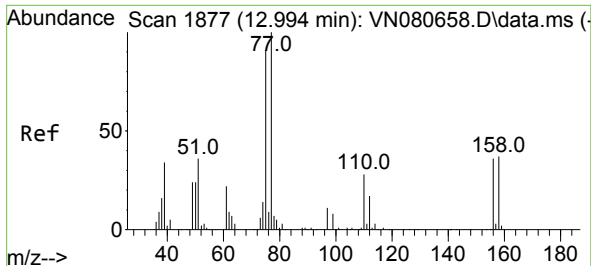
Tgt Ion:173 Resp: 672
Ion Ratio Lower Upper
173 100
175 805.4 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Tgt Ion:152 Resp: 131864
Ion Ratio Lower Upper
152 100
115 66.8 32.3 96.8
150 159.5 0.0 355.8

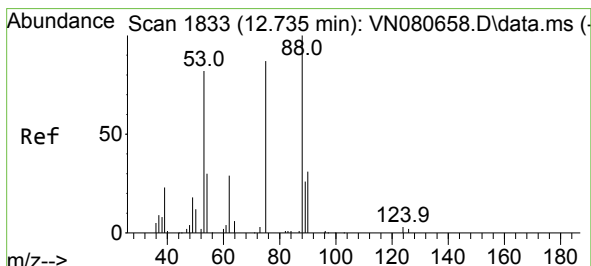
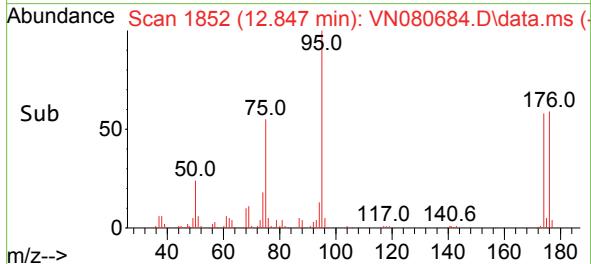
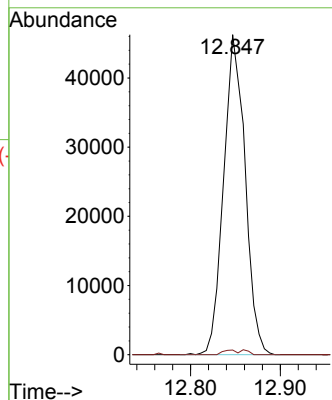
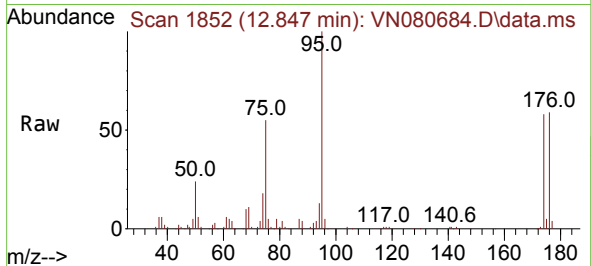




#76
1,2,3-Trichloropropane
Concen: 18.897 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

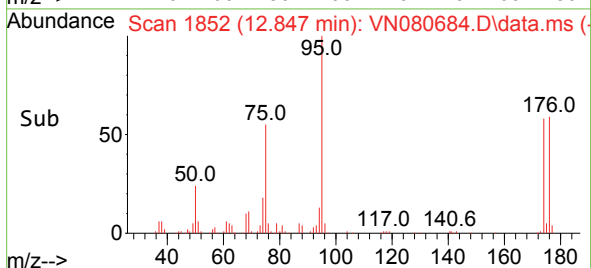
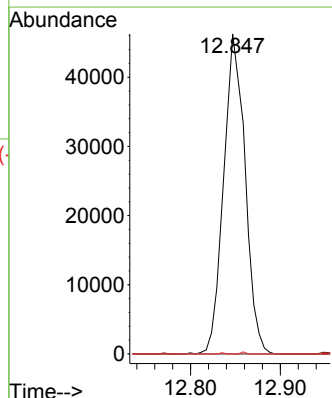
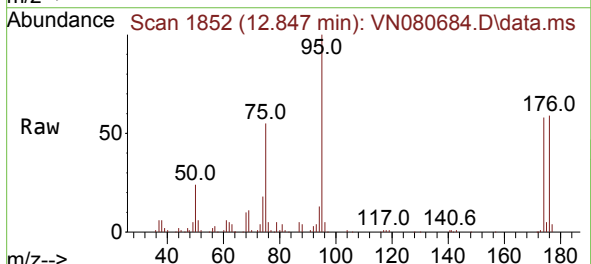
Instrument :
MSVOA_N
ClientSampleId :

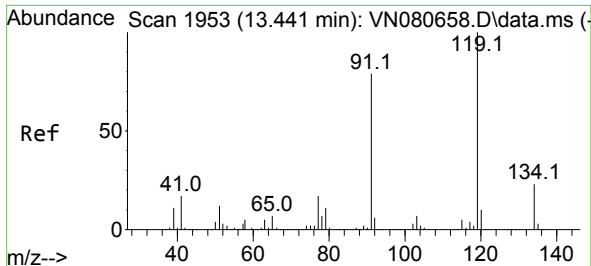
Tgt Ion: 75 Resp: 76839
Ion Ratio Lower Upper
75 100
77 0.9 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.549 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

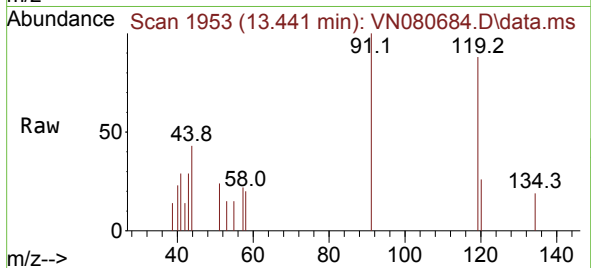
Tgt Ion: 75 Resp: 76839
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



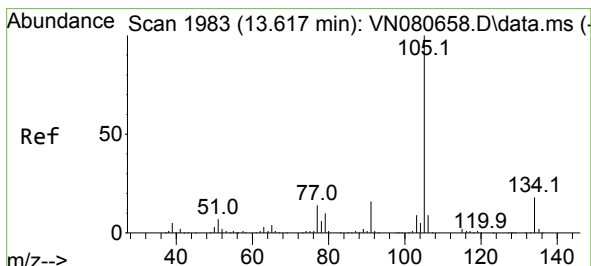
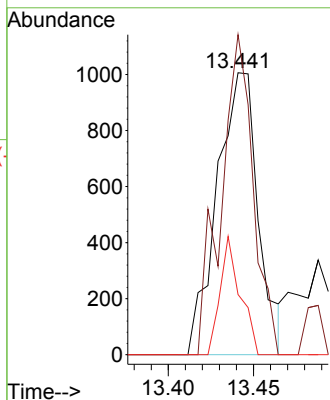
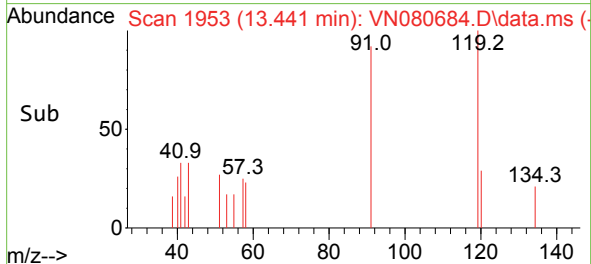


#83
tert-Butylbenzene
Concen: 0.203 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

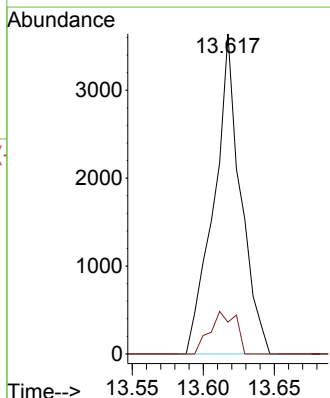
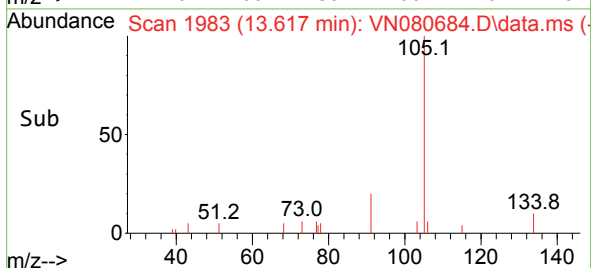
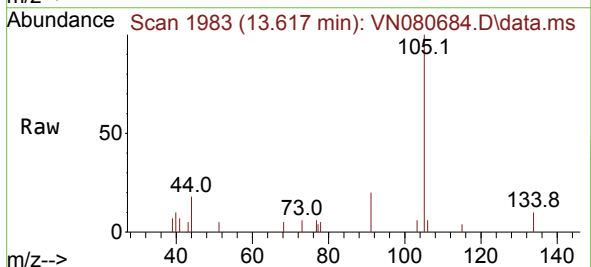


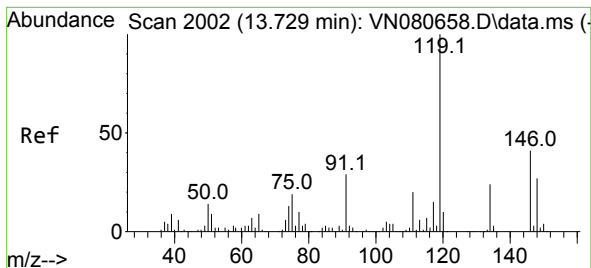
Tgt Ion:119 Resp: 1696
Ion Ratio Lower Upper
119 100
91 88.9 33.9 101.7
134 20.4 13.2 39.6



#85
sec-Butylbenzene
Concen: 0.400 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN080684.D
Acq: 12 Jan 2024 12:47

Tgt Ion:105 Resp: 4745
Ion Ratio Lower Upper
105 100
134 13.0 9.8 29.3





#86

p-Isopropyltoluene

Concen: 0.298 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

Instrument :

MSVOA_N

ClientSampleId :

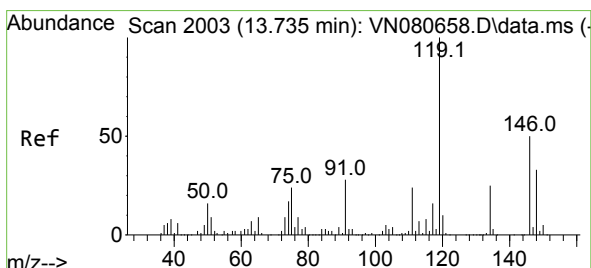
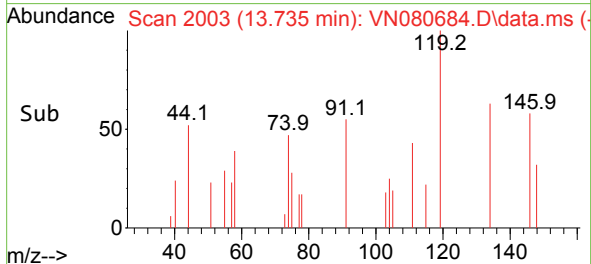
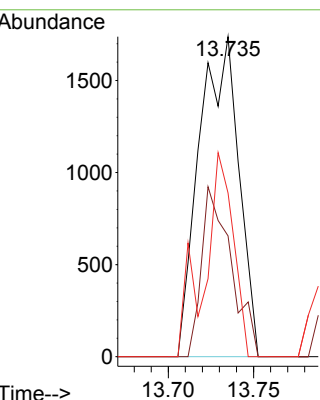
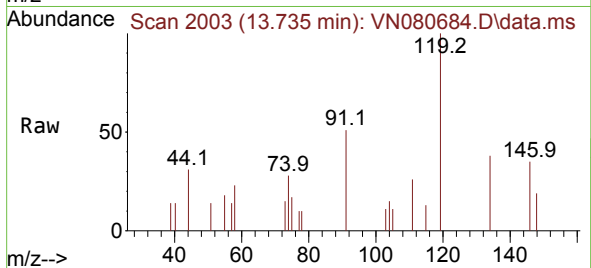
Tgt Ion:119 Resp: 2790

Ion Ratio Lower Upper

119 100

134 39.8 12.6 37.8#

91 47.0 12.4 37.2#



#87

1,3-Dichlorobenzene

Concen: 0.213 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

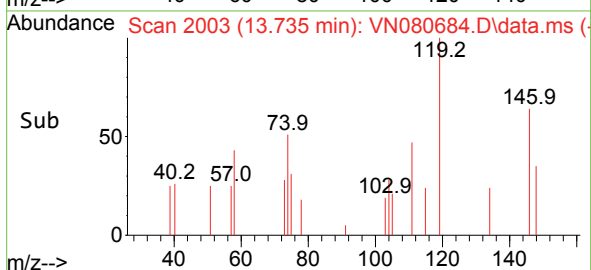
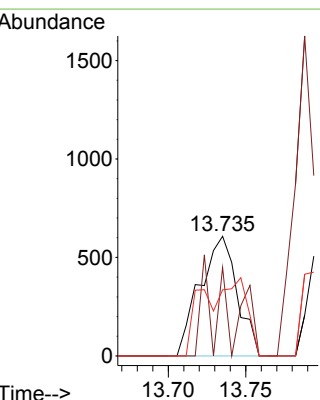
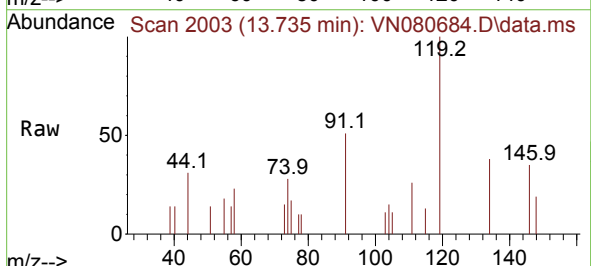
Tgt Ion:146 Resp: 1013

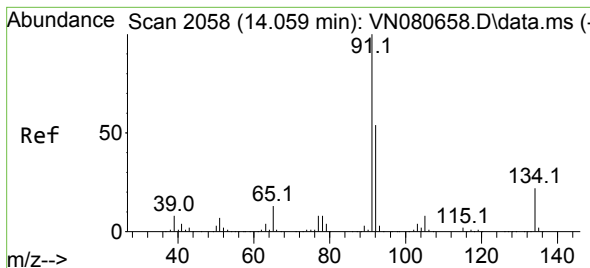
Ion Ratio Lower Upper

146 100

111 0.0 22.1 66.3#

148 44.6 32.0 96.0





#89

n-Butylbenzene

Concen: 0.693 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN080684.D

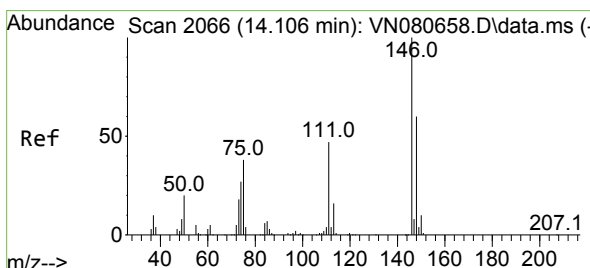
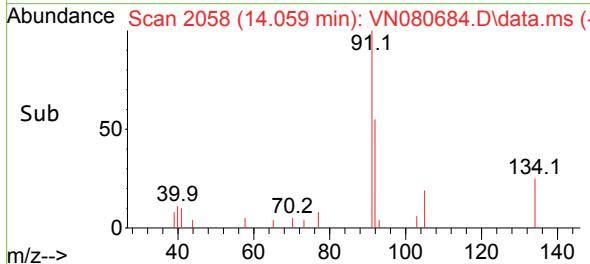
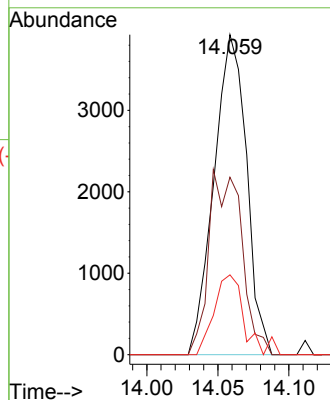
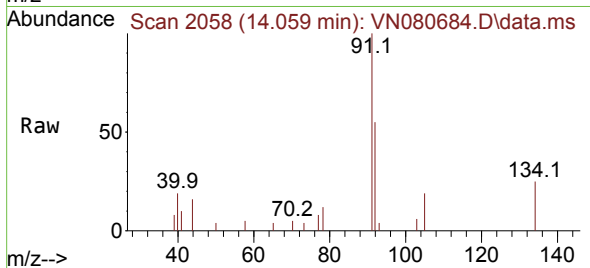
Acq: 12 Jan 2024 12:47

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	91	Resp:	6260
Ion	Ratio	Lower	Upper
91	100		
92	58.1	26.4	79.0
134	23.1	12.6	37.6



#91

1,2-Dichlorobenzene

Concen: 0.210 ug/l

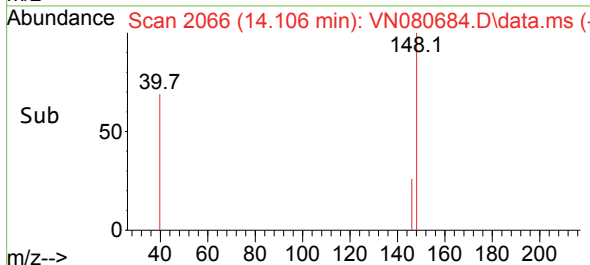
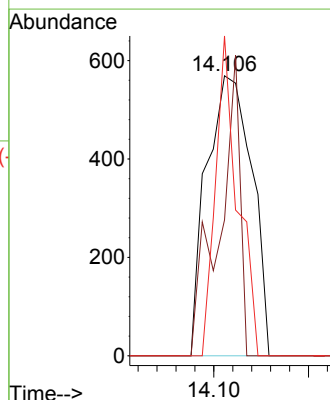
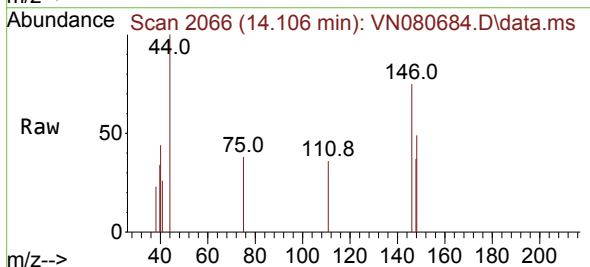
RT: 14.106 min Scan# 2066

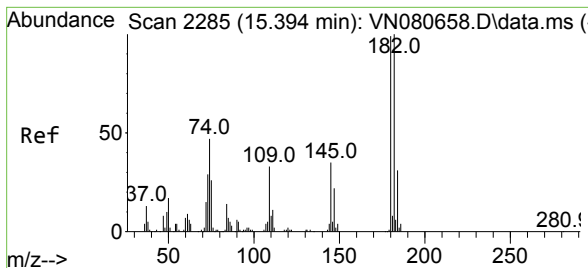
Delta R.T. -0.000 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

Tgt Ion:	146	Resp:	941
Ion	Ratio	Lower	Upper
146	100		
111	49.9	22.0	66.0
148	56.2	31.8	95.3





#93

1,2,4-Trichlorobenzene

Concen: 0.854 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

Instrument :

MSVOA_N

ClientSampleId :

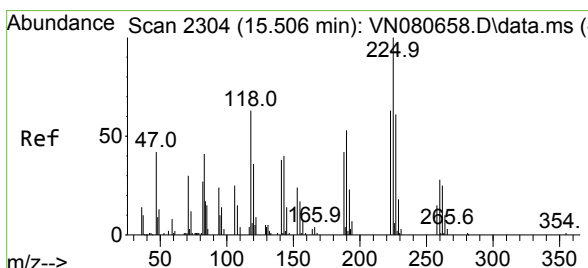
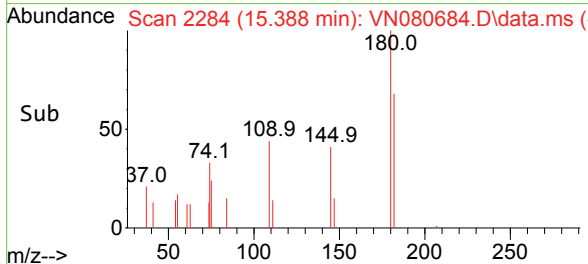
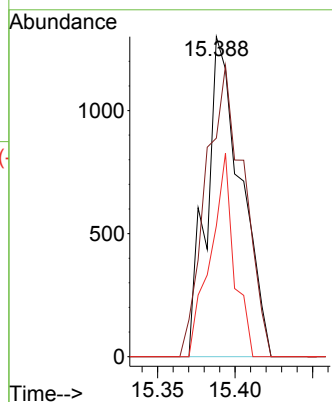
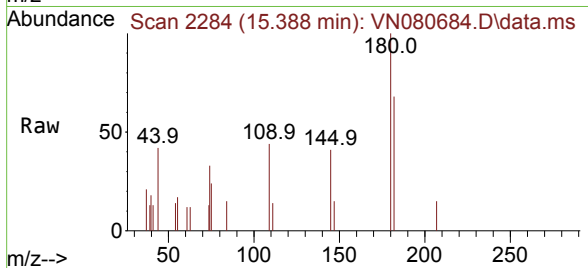
Tgt Ion:180 Resp: 1994

Ion Ratio Lower Upper

180 100

182 100.9 46.1 138.2

145 43.7 16.6 49.8



#94

Hexachlorobutadiene

Concen: 1.430 ug/l

RT: 15.517 min Scan# 2306

Delta R.T. 0.011 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

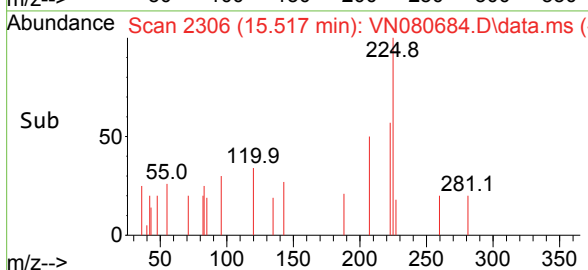
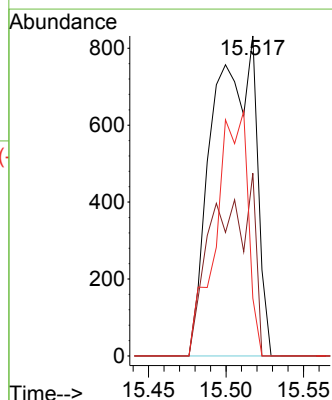
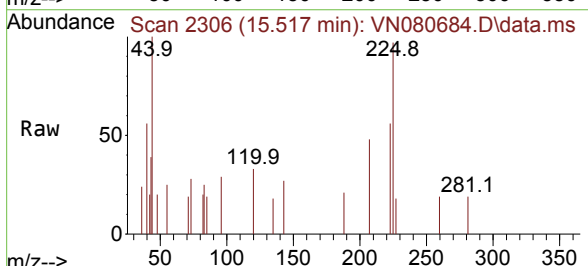
Tgt Ion:225 Resp: 1602

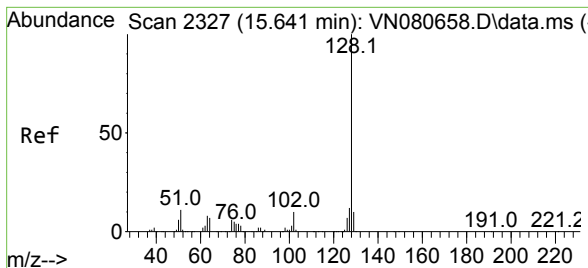
Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

227 57.1 31.9 95.9





#95

Naphthalene

Concen: 0.562 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080684.D

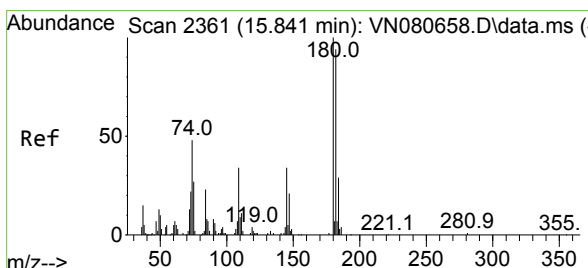
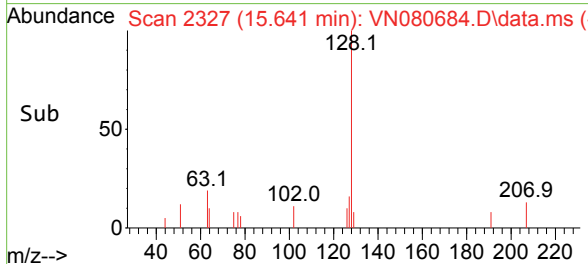
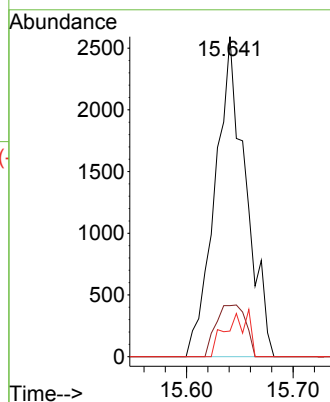
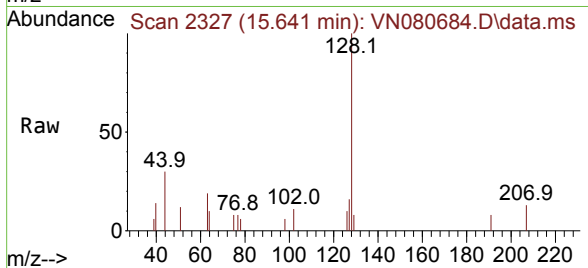
Acq: 12 Jan 2024 12:47

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	5168
Ion Ratio	Lower	Upper
128	100	
127	15.7	10.0 15.0#
129	10.6	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.734 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN080684.D

Acq: 12 Jan 2024 12:47

Tgt Ion:180	Resp:	1659
Ion Ratio	Lower	Upper
180	100	
182	104.3	46.2 138.6
145	41.2	17.5 52.6

