

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042825\
 Data File : VN086422.D
 Acq On : 29 Apr 2025 03:20
 Operator : JC\MD
 Sample : PB167744TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167744TB

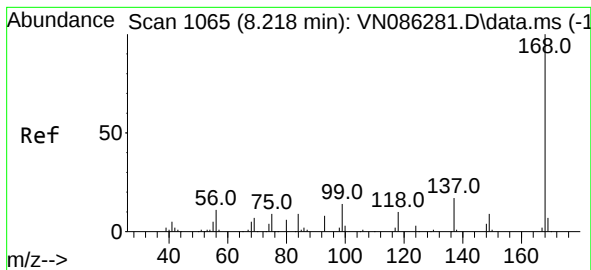
Quant Time: Apr 29 03:42:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	176402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	339849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128057	50.062	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.120%	
35) Dibromofluoromethane	8.165	113	86856	55.067	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.140%	
50) Toluene-d8	10.565	98	431508	51.189	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.380%	
62) 4-Bromofluorobenzene	12.847	95	158800	51.647	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.300%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	909	0.299	ug/l	99
11) Tert butyl alcohol	5.524	59	892	1.911	ug/l #	72
16) Acetone	4.430	43	60572	64.249	ug/l	94
18) Methyl Acetate	5.030	43	3707	1.207	ug/l #	69
20) Methylene Chloride	5.277	84	2675	1.131	ug/l	89
25) 2-Butanone	7.483	43	6228	3.912	ug/l	95
29) Tetrahydrofuran	7.847	42	444	0.417	ug/l #	54
31) Cyclohexane	8.224	56	4329	1.044	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14616	4.639	ug/l #	51
38) Carbon Tetrachloride	8.218	117	18561	6.187	ug/l #	15
43) Isopropyl Acetate	8.682	43	47890	6.294	ug/l #	72
45) 1,2-Dichloropropane	9.729	63	862	0.349	ug/l #	43
48) Methyl methacrylate	9.735	41	65763	22.579	ug/l #	43
51) 4-Methyl-2-Pentanone	10.441	43	4854	1.429	ug/l	100
54) cis-1,3-Dichloropropene	10.353	75	32889	7.890	ug/l #	62
57) 1,3-Dichloropropane	11.194	76	3184	0.792	ug/l #	43
59) 2-Hexanone	11.200	43	55379	21.983	ug/l #	43
71) Bromoform	12.847	173	901	0.503	ug/l #	1
74) N-amyl acetate	12.459	43	3797	0.660	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	80640	24.196	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80640	58.109	ug/l #	10

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

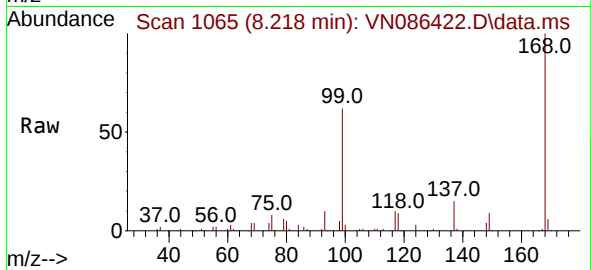
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



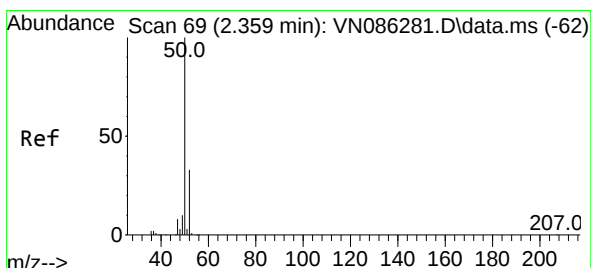
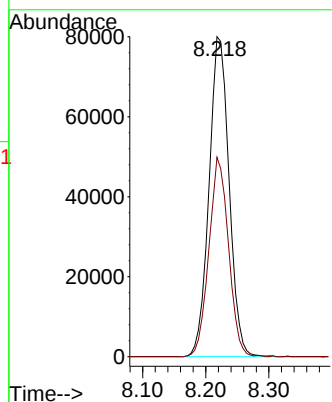
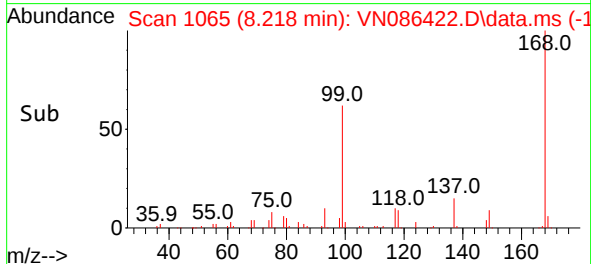


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

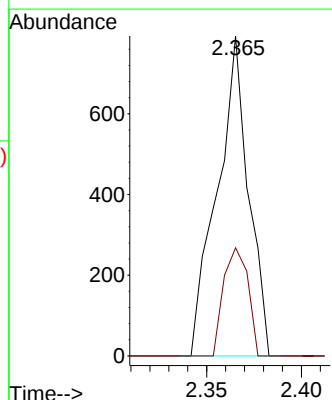
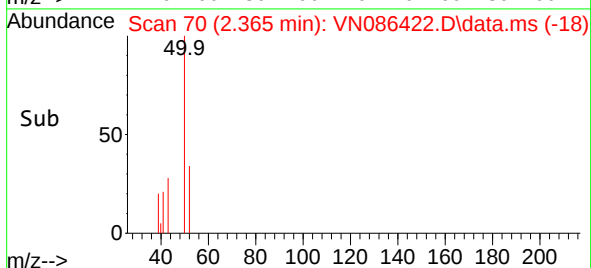
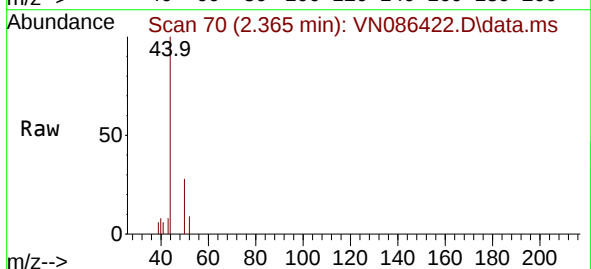


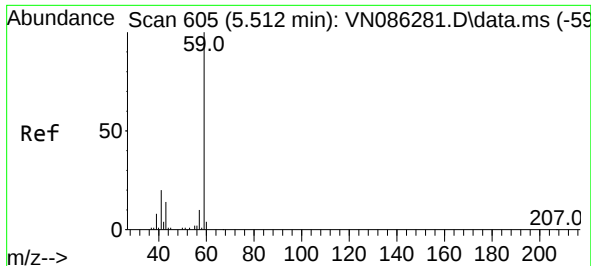
Tgt Ion:168 Resp: 176402
Ion Ratio Lower Upper
168 100
99 62.3 52.5 78.7



#3
Chloromethane
Concen: 0.299 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Tgt Ion: 50 Resp: 909
Ion Ratio Lower Upper
50 100
52 33.8 26.5 39.7

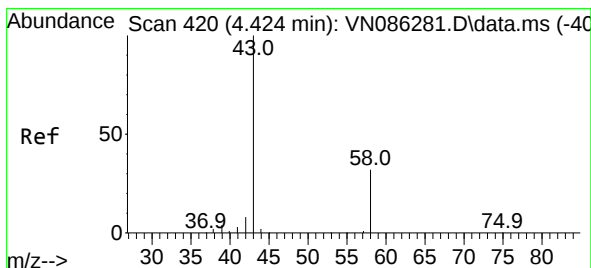
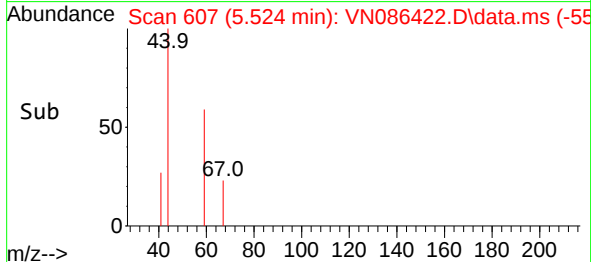
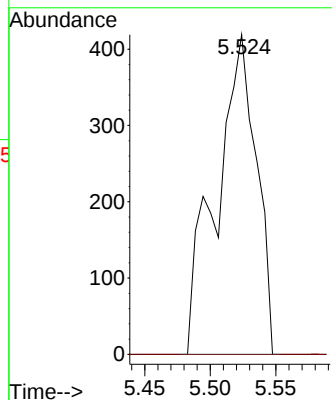
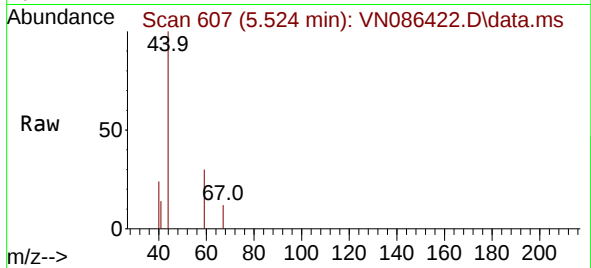




#11
Tert butyl alcohol
Concen: 1.911 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

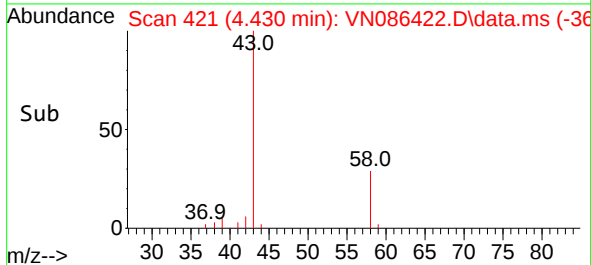
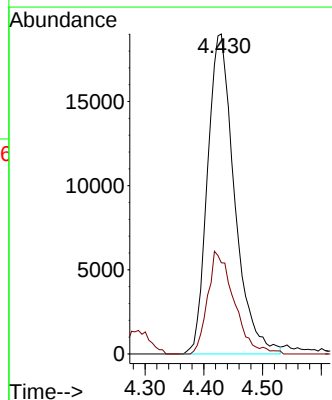
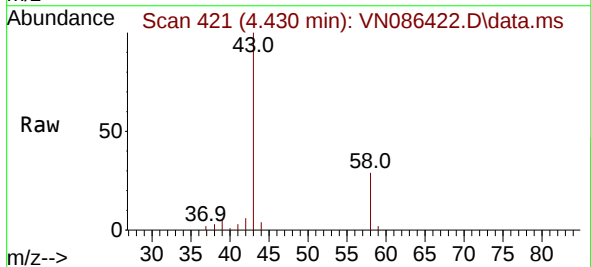
Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

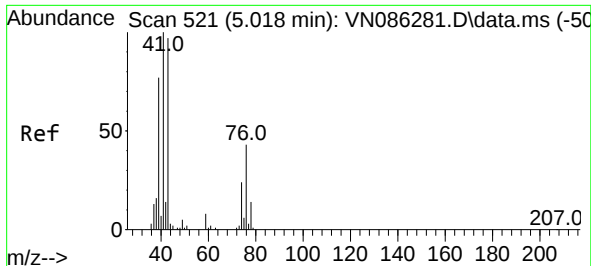
Tgt Ion: 59 Resp: 892
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 64.249 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

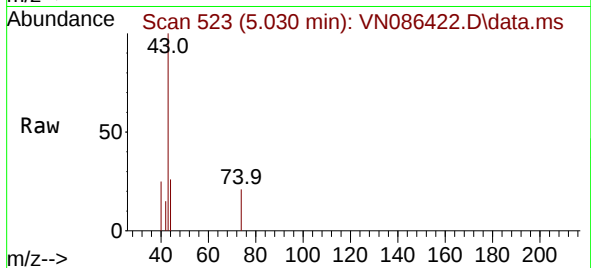
Tgt Ion: 43 Resp: 60572
Ion Ratio Lower Upper
43 100
58 28.5 25.3 37.9



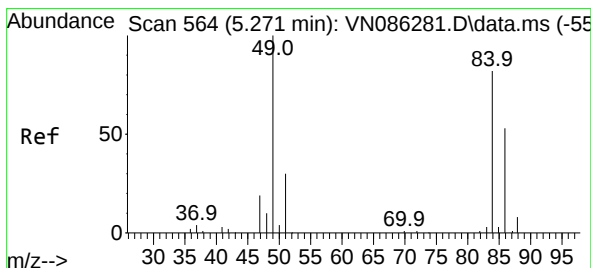
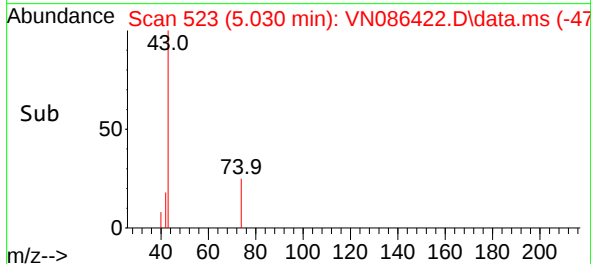
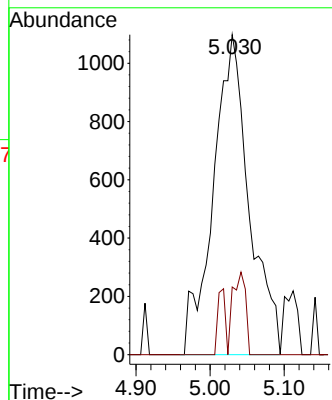


#18
Methyl Acetate
Concen: 1.207 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

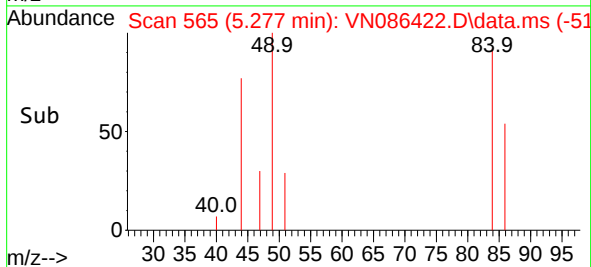
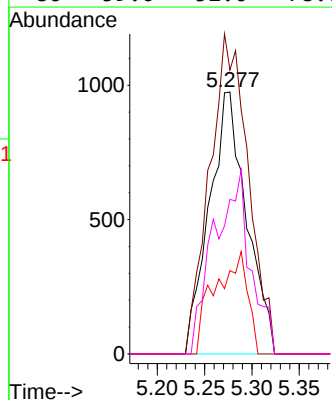
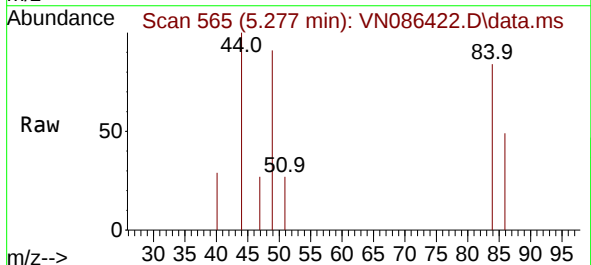


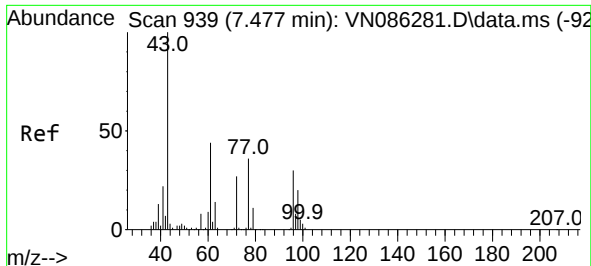
Tgt Ion: 43 Resp: 3707
Ion Ratio Lower Upper
43 100
74 9.1 19.8 29.6#



#20
Methylene Chloride
Concen: 1.131 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Tgt Ion: 84 Resp: 2675
Ion Ratio Lower Upper
84 100
49 108.4 98.2 147.2
51 31.8 29.8 44.6
86 59.0 52.0 78.0

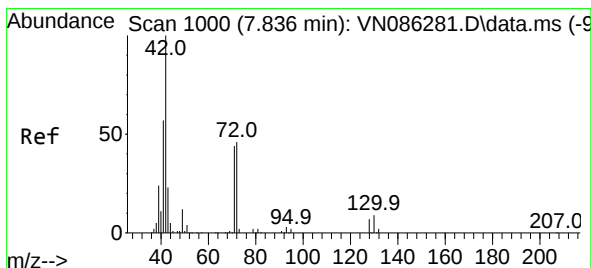
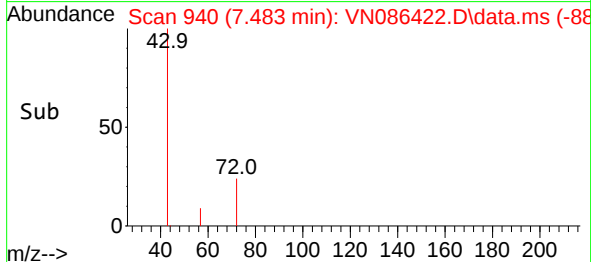
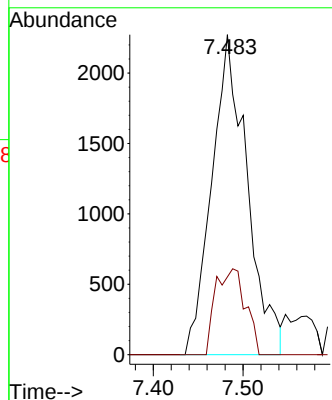
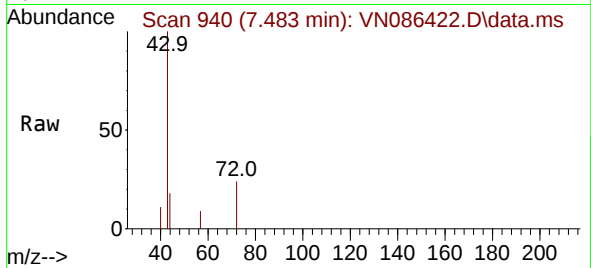




#25
2-Butanone
Concen: 3.912 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

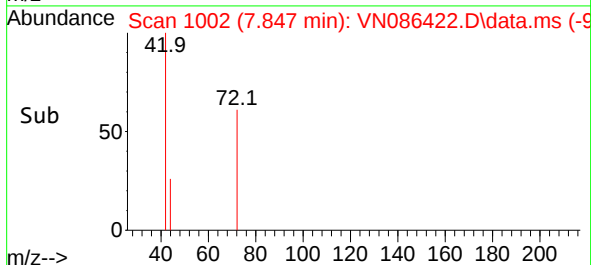
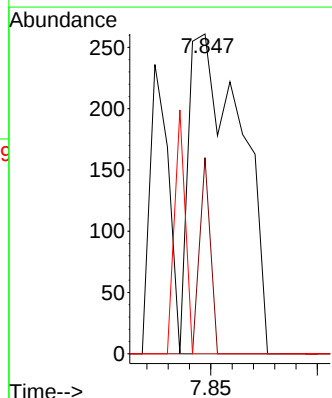
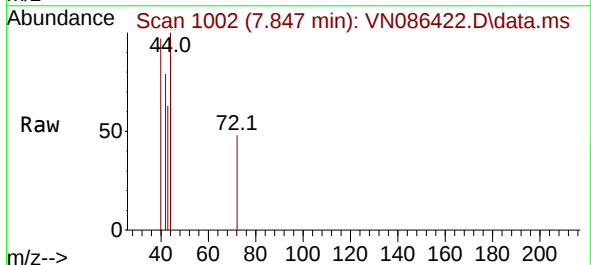
Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

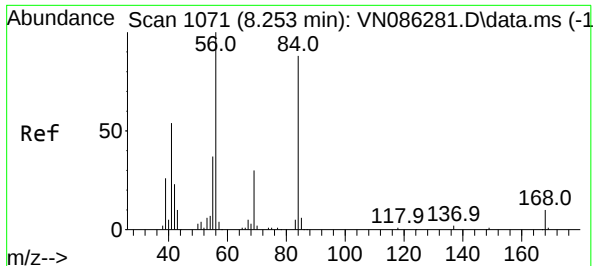
Tgt Ion: 43 Resp: 6228
Ion Ratio Lower Upper
43 100
72 24.3 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.417 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

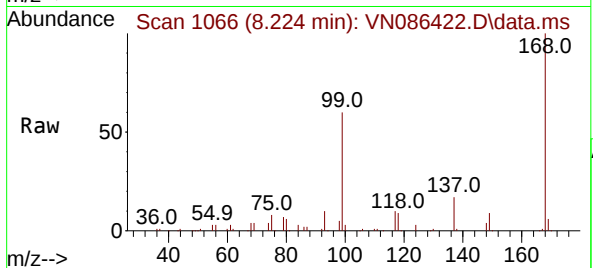
Tgt Ion: 42 Resp: 444
Ion Ratio Lower Upper
42 100
72 12.6 36.2 54.4#
71 15.8 34.0 51.0#



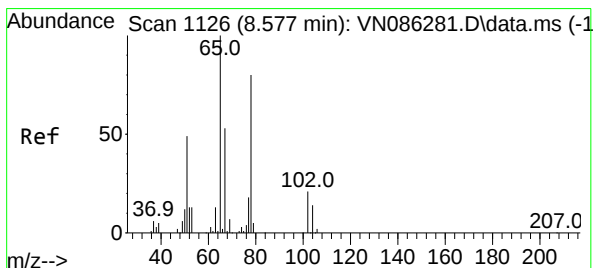
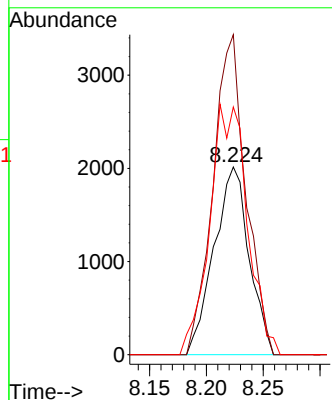
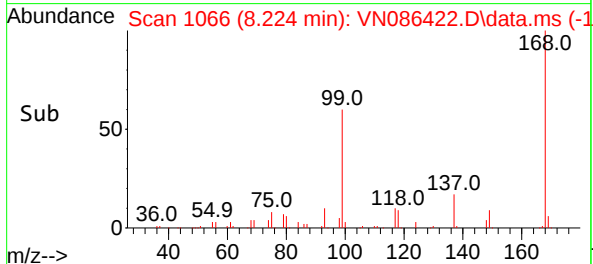


#31
Cyclohexane
Concen: 1.044 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

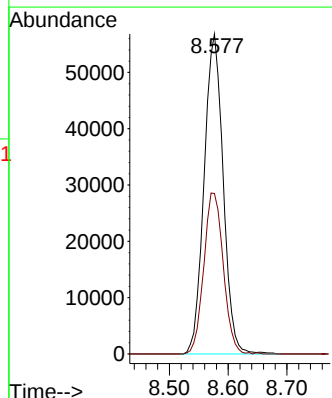
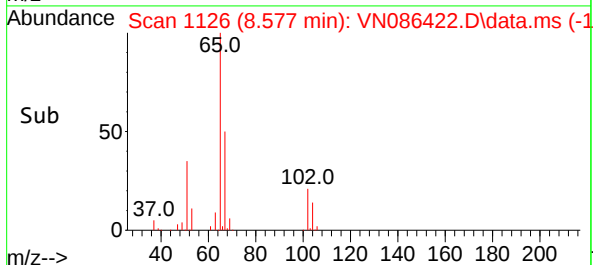
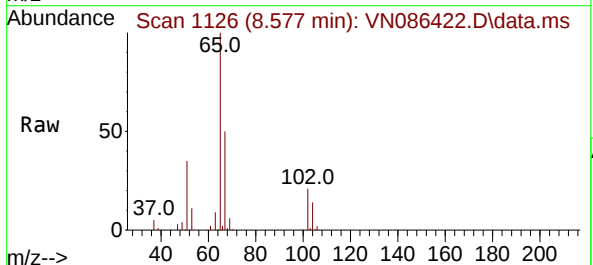


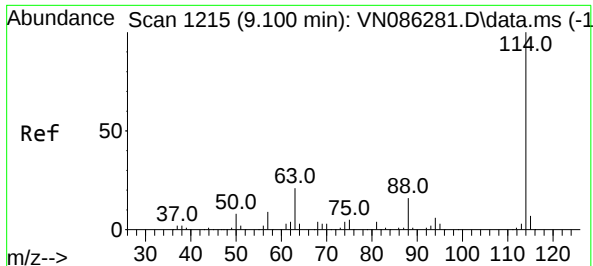
Tgt Ion: 56 Resp: 4329
Ion Ratio Lower Upper
56 100
69 170.5 24.2 36.2#
84 132.0 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 50.062 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Tgt Ion: 65 Resp: 128057
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086422.D

Acq: 29 Apr 2025 03:20

Instrument :

MSVOA_N

ClientSampleId :

PB167744TB

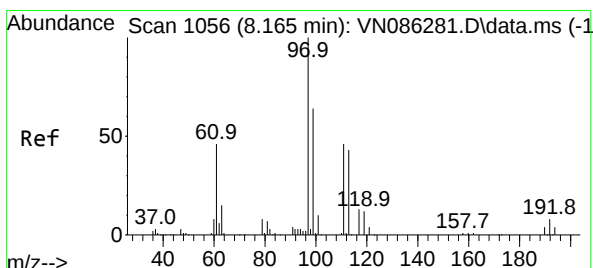
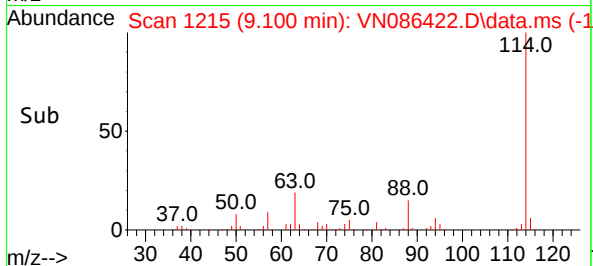
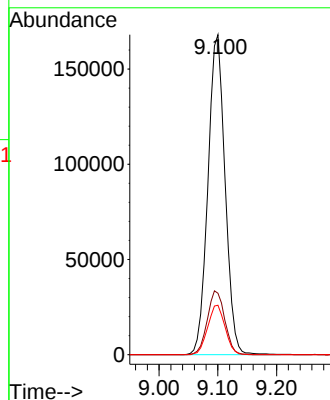
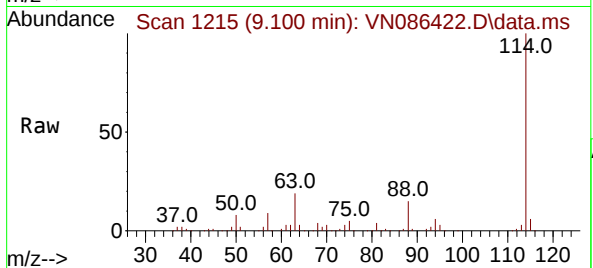
Tgt Ion:114 Resp: 339849

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.6

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.067 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086422.D

Acq: 29 Apr 2025 03:20

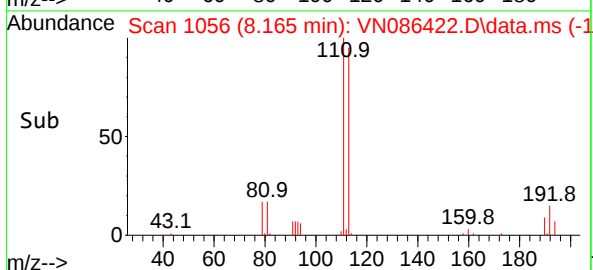
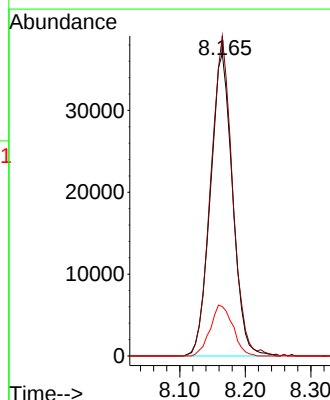
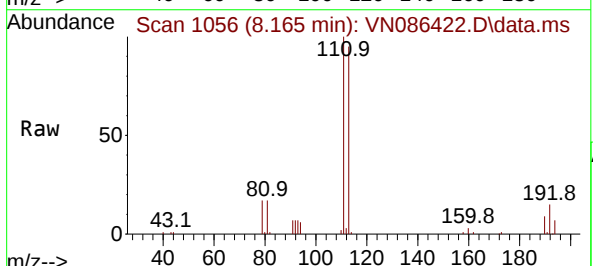
Tgt Ion:113 Resp: 86856

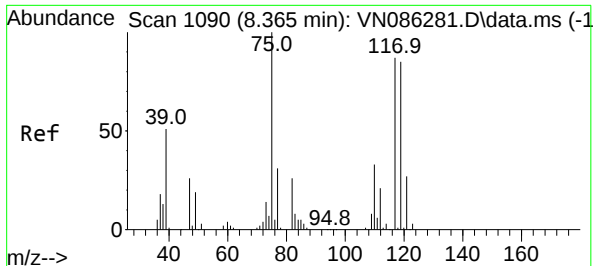
Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.0

192 17.2 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.639 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086422.D

Acq: 29 Apr 2025 03:20

Instrument :

MSVOA_N

ClientSampleId :

PB167744TB

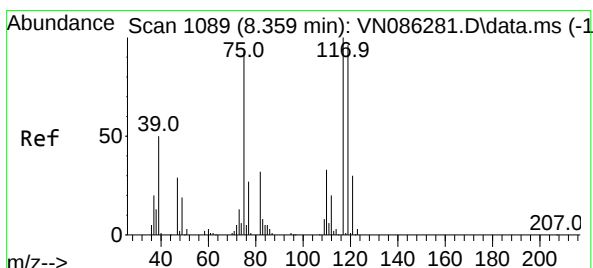
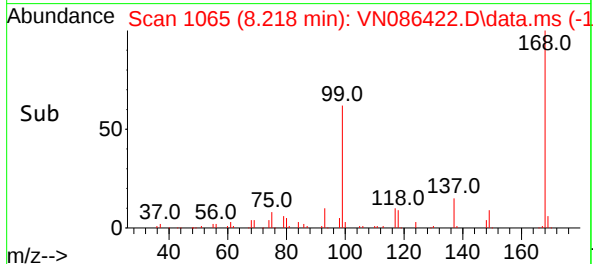
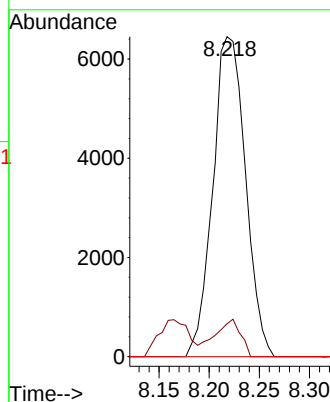
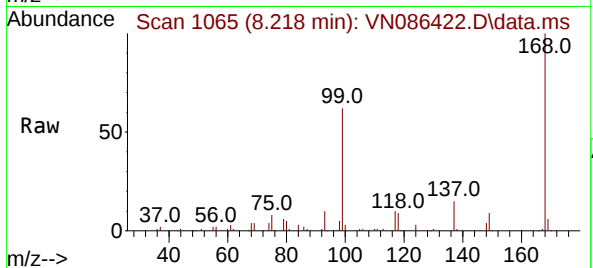
Tgt Ion: 75 Resp: 14616

Ion Ratio Lower Upper

75 100

110 9.3 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.187 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086422.D

Acq: 29 Apr 2025 03:20

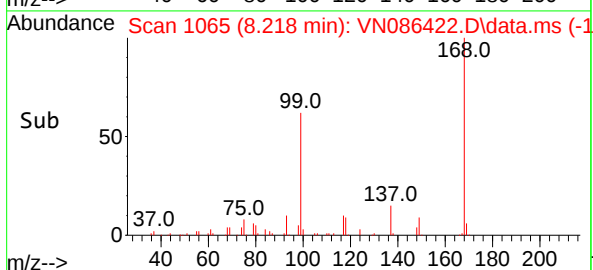
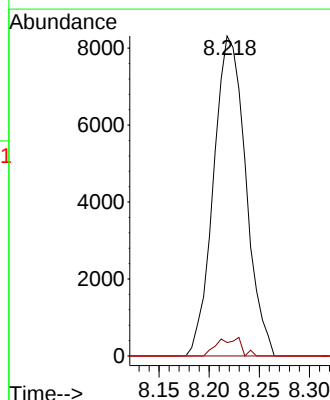
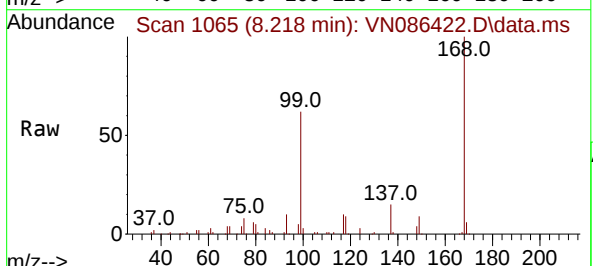
Tgt Ion: 117 Resp: 18561

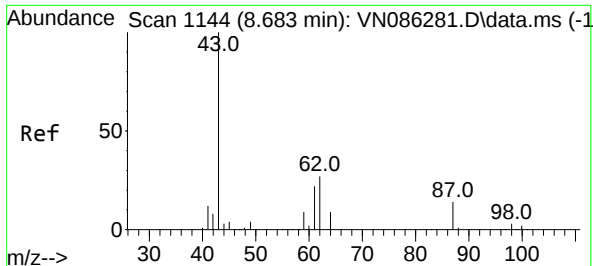
Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

121 0.0 23.8 35.8#

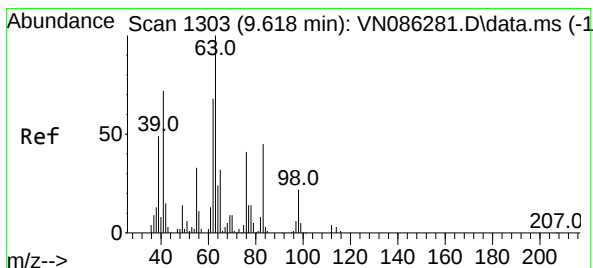
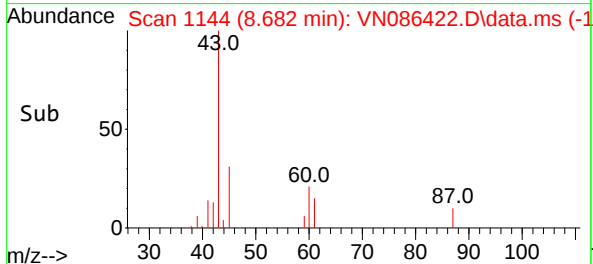
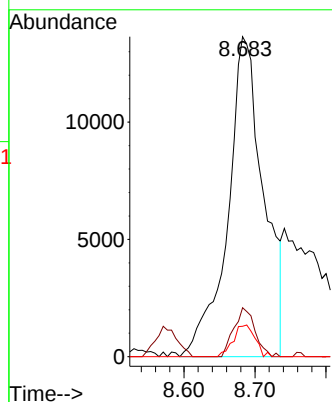
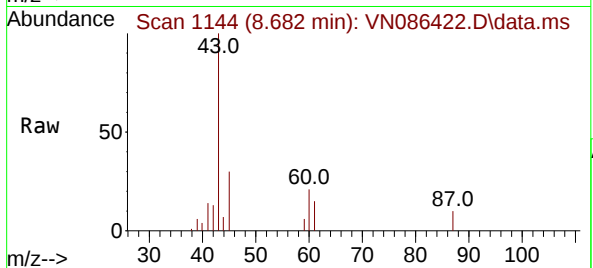




#43
Isopropyl Acetate
Concen: 6.294 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

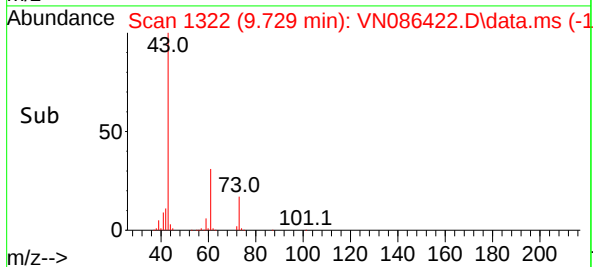
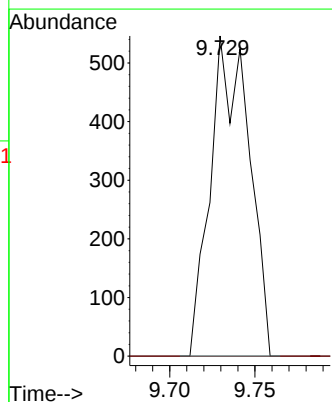
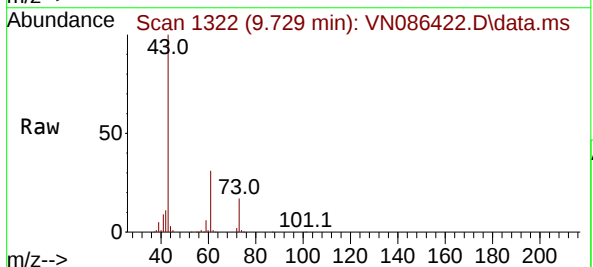
Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

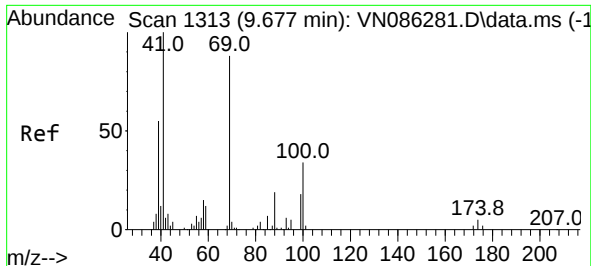
Tgt Ion: 43 Resp: 47890
Ion Ratio Lower Upper
43 100
61 9.0 20.5 30.7#
87 6.0 10.5 15.7#



#45
1,2-Dichloropropane
Concen: 0.349 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.112 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Tgt Ion: 63 Resp: 862
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.2#

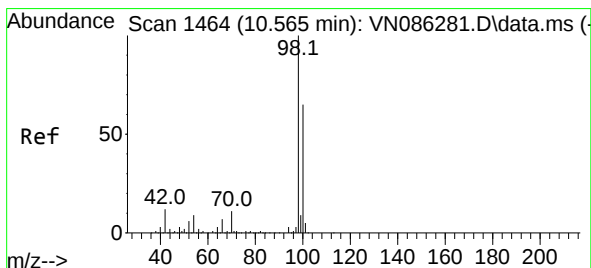
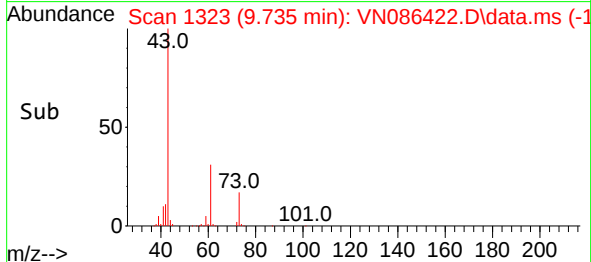
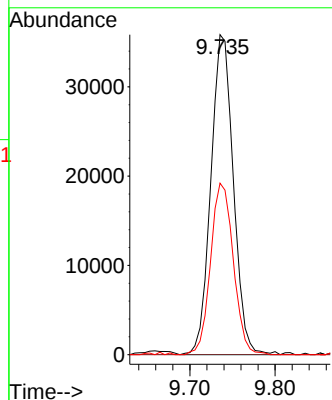
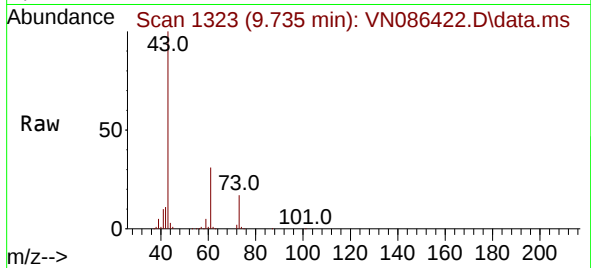




#48
Methyl methacrylate
Concen: 22.579 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

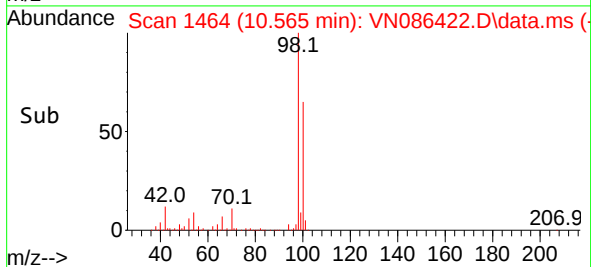
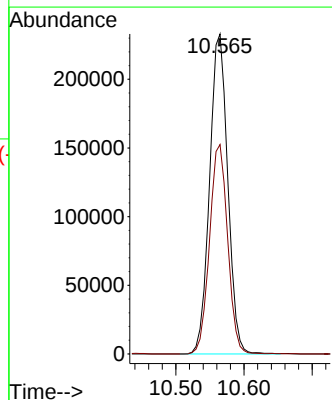
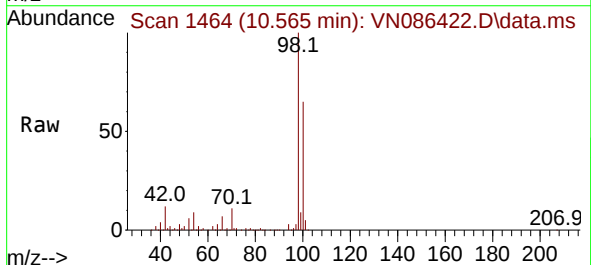
Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

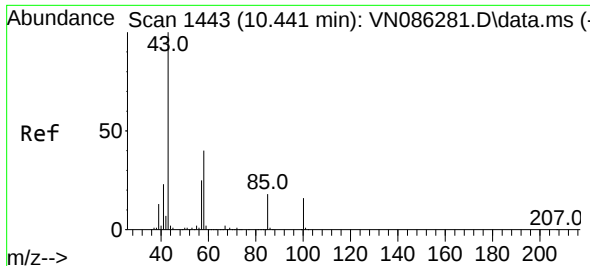
Tgt Ion: 41 Resp: 65763
Ion Ratio Lower Upper
41 100
69 0.0 68.2 102.2#
39 54.2 45.2 67.8



#50
Toluene-d8
Concen: 51.189 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Tgt Ion: 98 Resp: 431508
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7

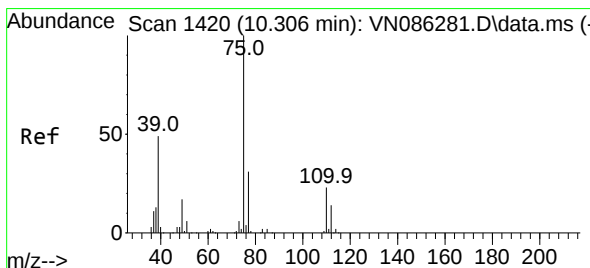
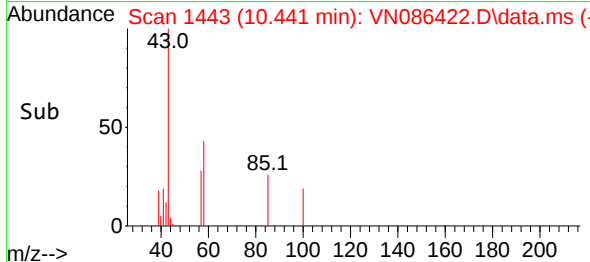
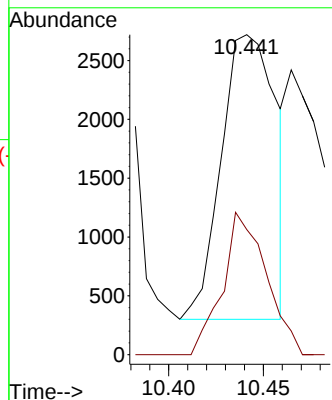
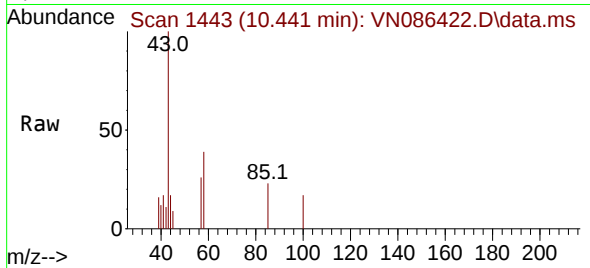




#51
4-Methyl-2-Pentanone
Concen: 1.429 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

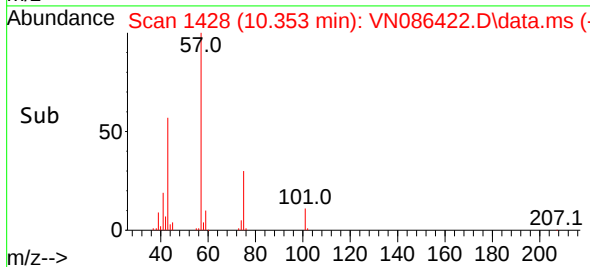
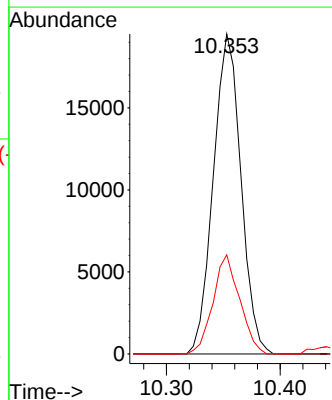
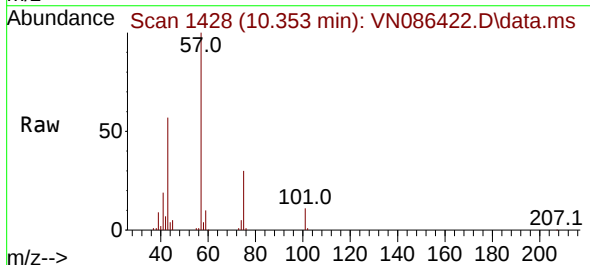
Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

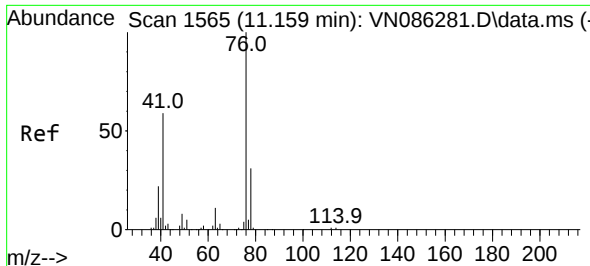
Tgt Ion: 43 Resp: 4854
Ion Ratio Lower Upper
43 100
58 40.0 32.2 48.4



#54
cis-1,3-Dichloropropene
Concen: 7.890 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Tgt Ion: 75 Resp: 32889
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 31.0 39.3 58.9#





#57

1,3-Dichloropropane

Concen: 0.792 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086422.D

Acq: 29 Apr 2025 03:20

Instrument :

MSVOA_N

ClientSampleId :

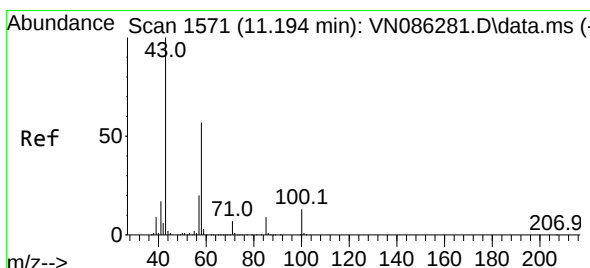
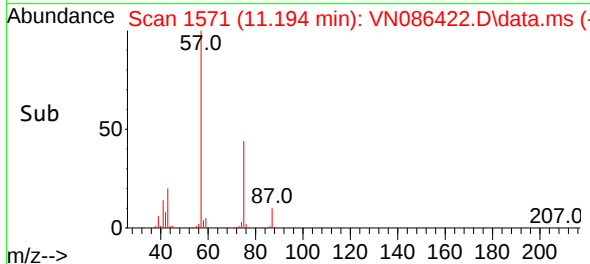
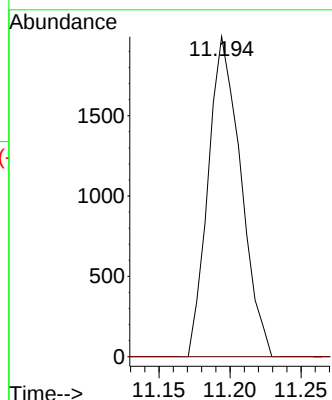
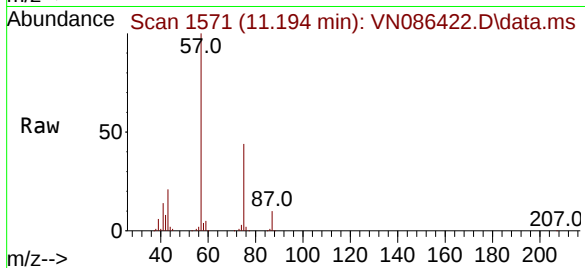
PB167744TB

Tgt Ion: 76 Resp: 3184

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 21.983 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086422.D

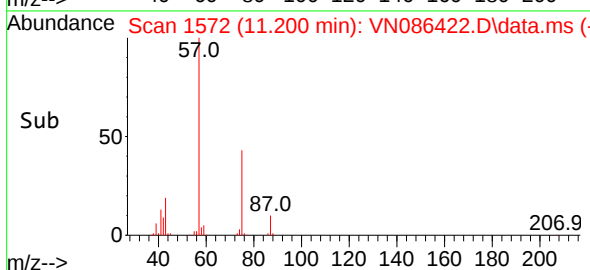
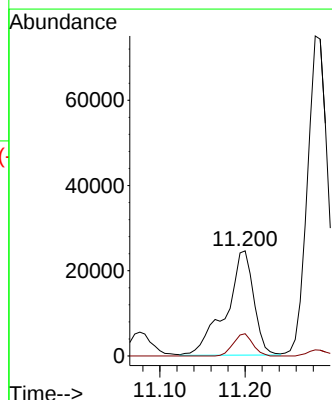
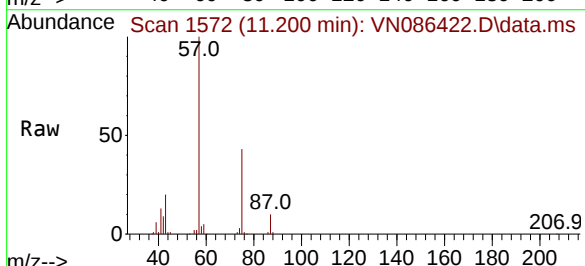
Acq: 29 Apr 2025 03:20

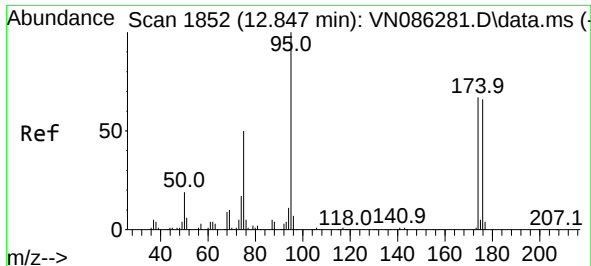
Tgt Ion: 43 Resp: 55379

Ion Ratio Lower Upper

43 100

58 15.0 28.3 85.0#

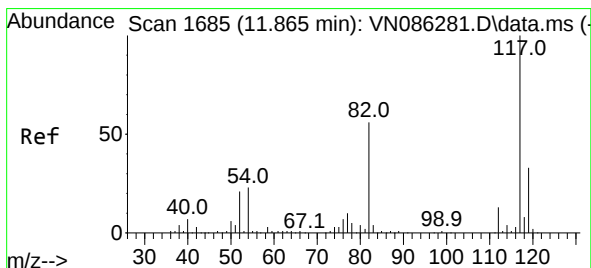
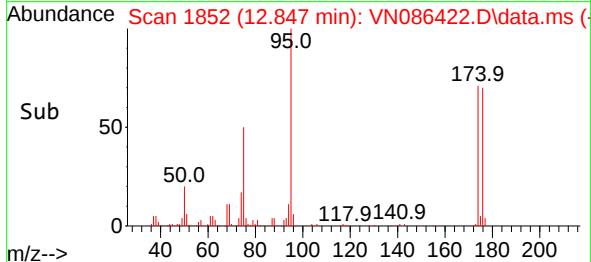
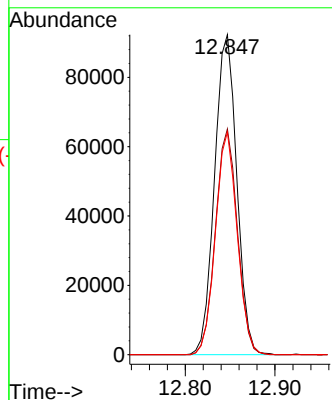
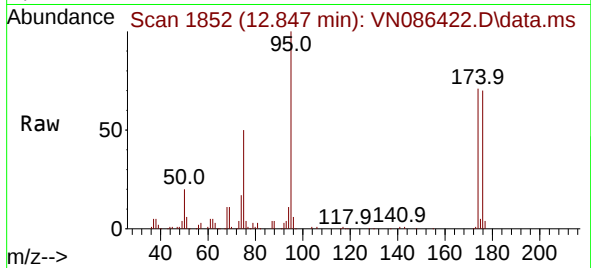




#62
4-Bromofluorobenzene
Concen: 51.647 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

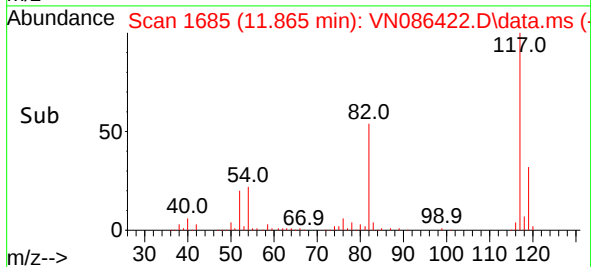
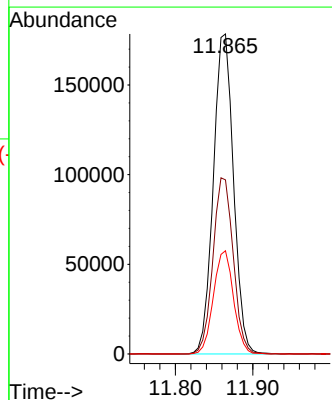
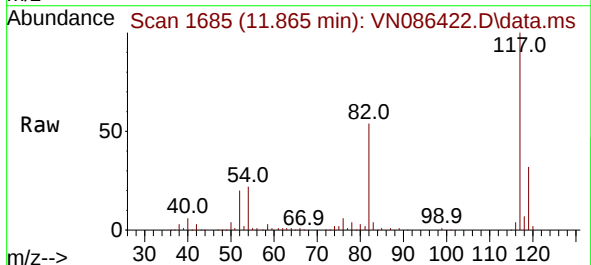
Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

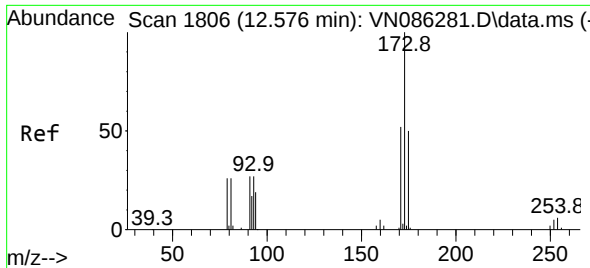
Tgt Ion: 95 Resp: 158800
Ion Ratio Lower Upper
95 100
174 69.8 0.0 133.4
176 68.0 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Tgt Ion: 117 Resp: 323035
Ion Ratio Lower Upper
117 100
82 54.4 44.7 67.1
119 32.3 26.4 39.6

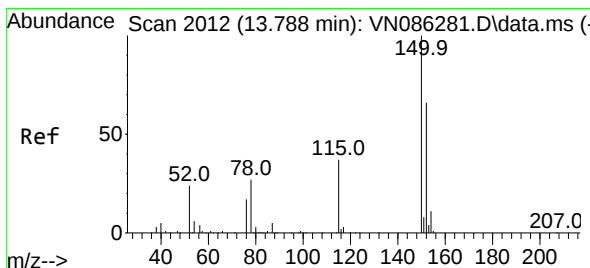
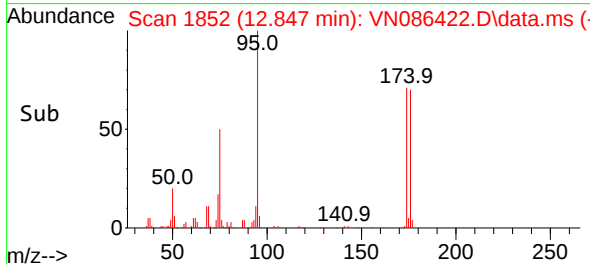
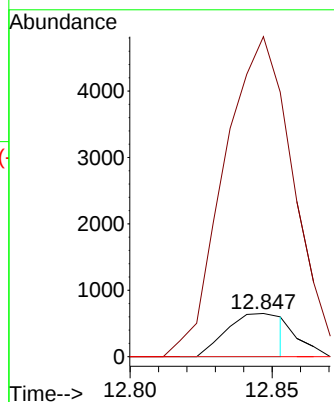
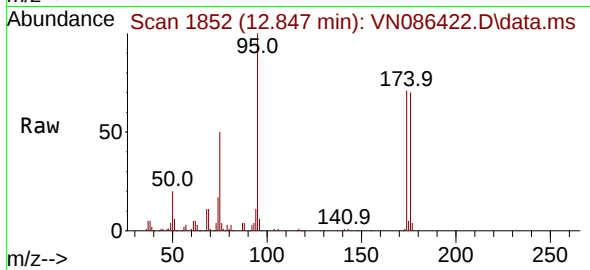




#71
Bromoform
Concen: 0.503 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

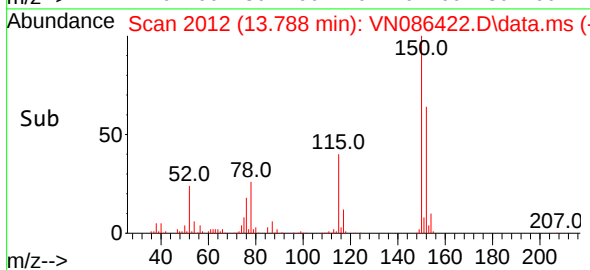
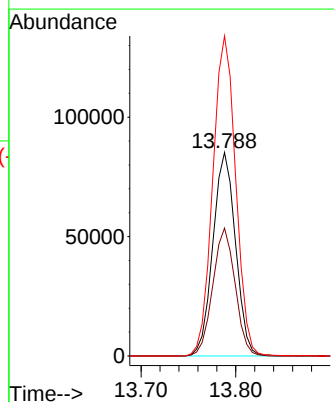
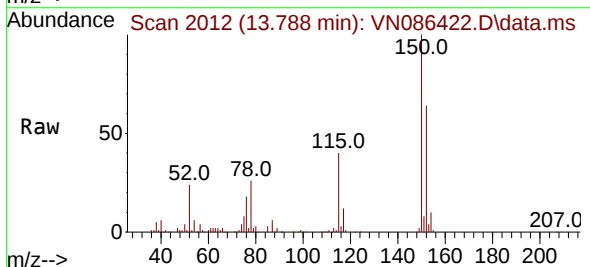
Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

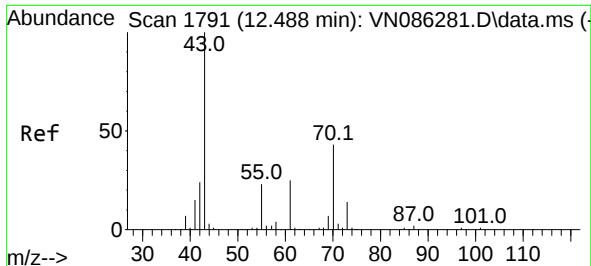
Tgt Ion:173 Resp: 901
Ion Ratio Lower Upper
173 100
175 754.6 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Tgt Ion:152 Resp: 141231
Ion Ratio Lower Upper
152 100
115 62.0 31.9 95.9
150 159.4 0.0 352.0

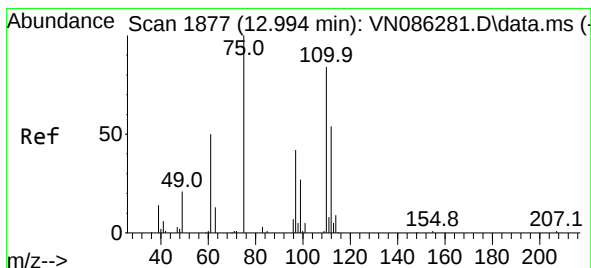
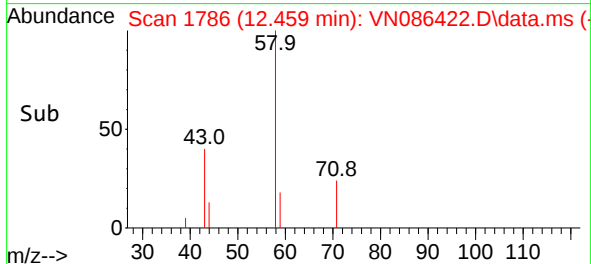
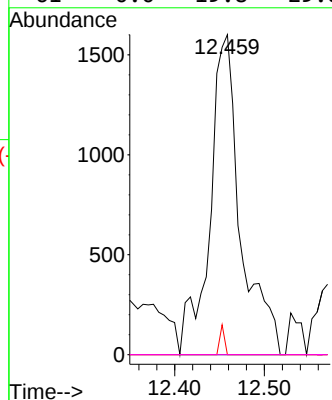
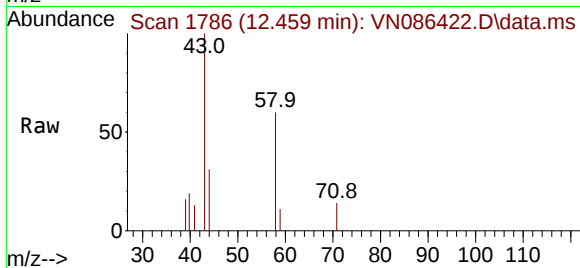




#74
N-amy1 acetate
Concen: 0.660 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.029 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

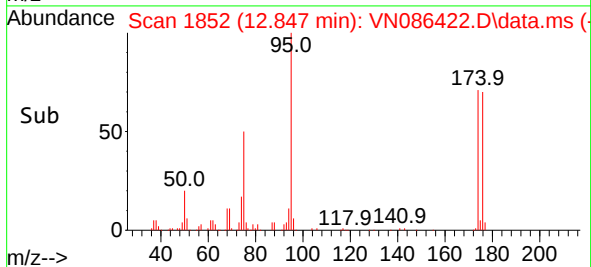
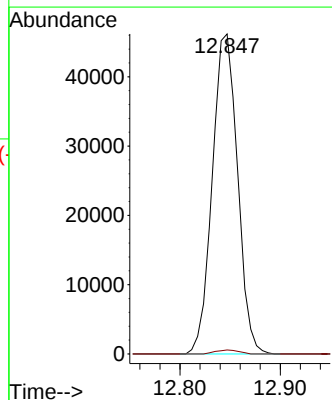
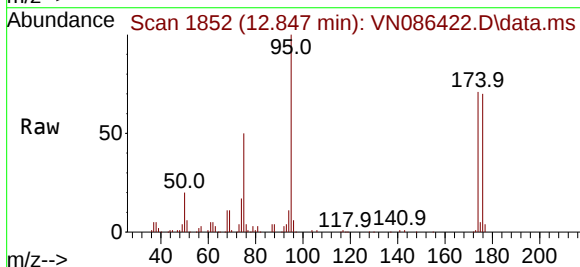
Instrument :
MSVOA_N
ClientSampleId :
PB167744TB

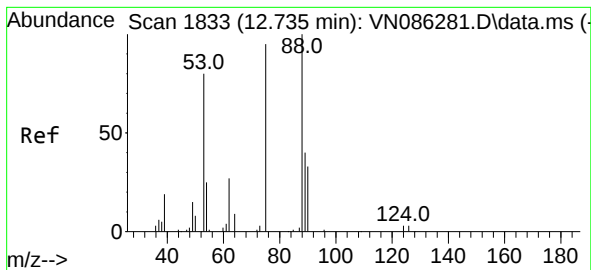
Tgt Ion: 43	Resp: 3797
Ion Ratio	Lower Upper
43 100	
70 0.0	35.0 52.4#
55 1.4	19.0 28.4#
61 0.0	19.8 29.8#



#76
1,2,3-Trichloropropane
Concen: 24.196 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

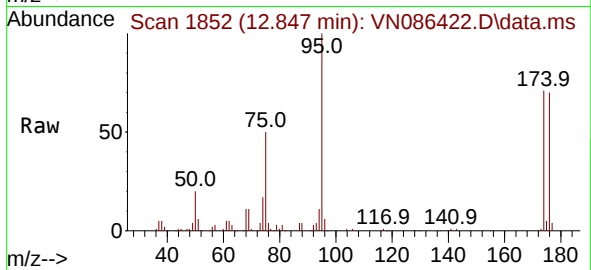
Tgt Ion: 75	Resp:	80640	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	98.8	296.4#	





#81
trans-1,4-Dichloro-2-butene
Concen: 58.109 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN086422.D
Acq: 29 Apr 2025 03:20

Instrument :
MSVOA_N
ClientSampleId :
PB167744TB



Tgt Ion: 75 Resp: 80640
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

