

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086310.D
 Acq On : 16 Apr 2025 20:28
 Operator : JC\MD
 Sample : Q1791-12 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 V1207

Quant Time: Apr 17 03:09:47 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)

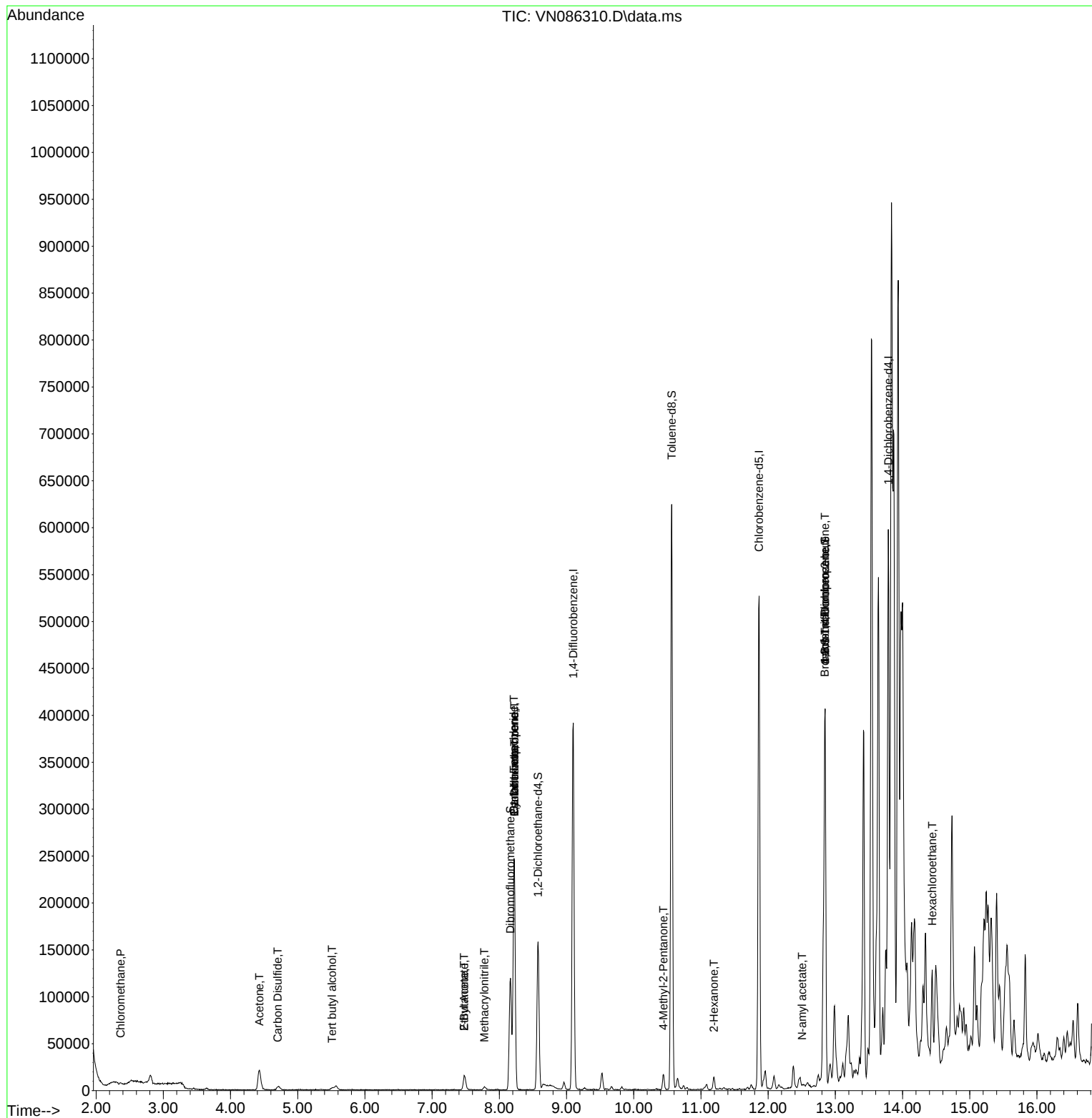
Internal Standards						
1) Pentafluorobenzene	8.224	168	183541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130443	49.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.020%		
35) Dibromofluoromethane	8.165	113	90027	55.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	112.000%		
50) Toluene-d8	10.565	98	437640	50.932	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.860%		
62) 4-Bromofluorobenzene	12.847	95	151851	48.451	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.900%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1022	0.323	ug/l #	85
11) Tert butyl alcohol	5.512	59	3826	7.879	ug/l #	86
13) Acrolein	4.189	56	119	Below Cal	#	70
16) Acetone	4.430	43	42788	41.745	ug/l	96
17) Carbon Disulfide	4.700	76	1516	0.234	ug/l #	74
25) 2-Butanone	7.477	43	26445	15.963	ug/l	99
31) Cyclohexane	8.224	56	4468	1.036	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	15268	4.755	ug/l #	51
37) Ethyl Acetate	7.477	43	26445	7.822	ug/l #	68
38) Carbon Tetrachloride	8.218	117	18928	6.189	ug/l #	16
41) Methacrylonitrile	7.777	41	907	0.463	ug/l #	29
43) Isopropyl Acetate	8.683	43	7441	Below Cal	#	55
51) 4-Methyl-2-Pentanone	10.441	43	12546	3.624	ug/l	93
59) 2-Hexanone	11.194	43	9712	3.782	ug/l	90
71) Bromoform	12.841	173	611	0.356	ug/l #	1
74) N-amyl acetate	12.506	43	1148	0.219	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	76199	25.032	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76199	60.117	ug/l #	10
90) Hexachloroethane	14.441	117	473	0.329	ug/l #	19

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

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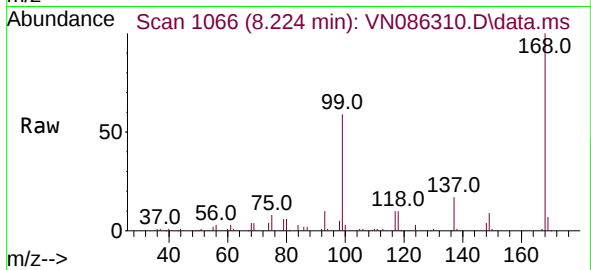
Quant Time: Apr 17 03:09:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
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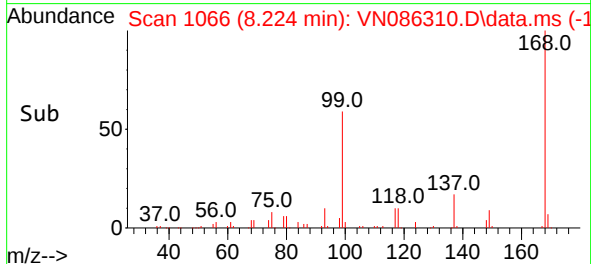
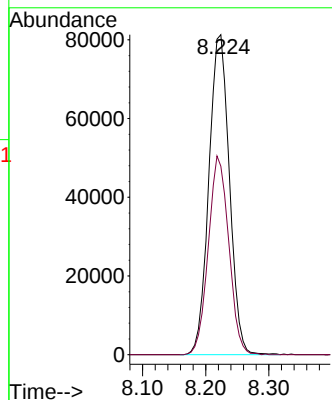


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Instrument :
MSVOA_N
ClientSampleId :
V1207

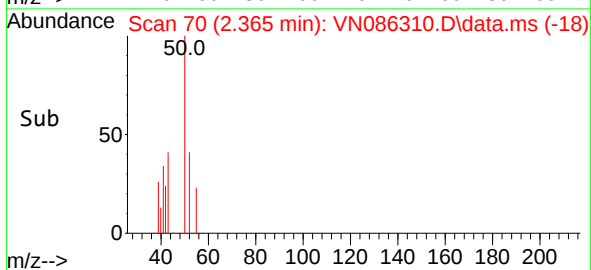
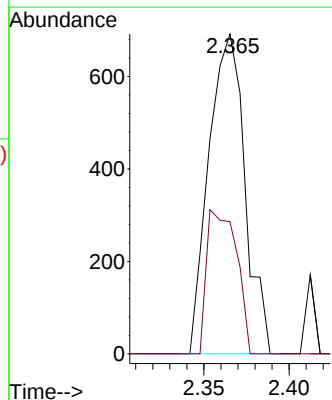
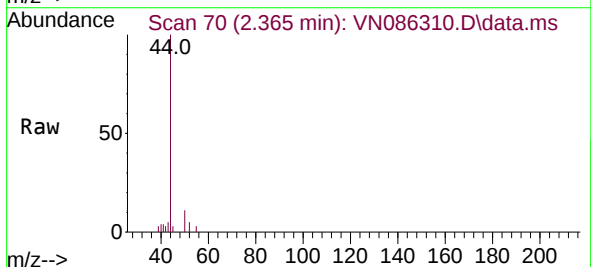


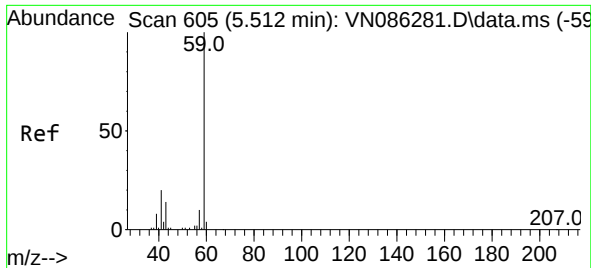
Tgt Ion:168 Resp: 183541
Ion Ratio Lower Upper
168 100
99 58.9 52.5 78.7



#3
Chloromethane
Concen: 0.323 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 50 Resp: 1022
Ion Ratio Lower Upper
50 100
52 41.3 26.5 39.7#

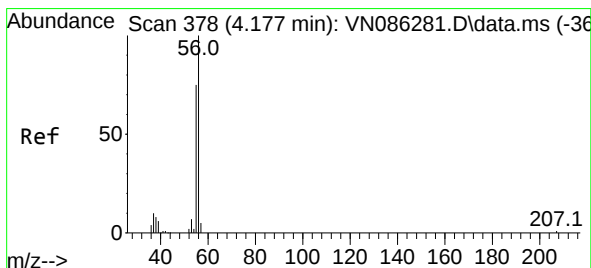
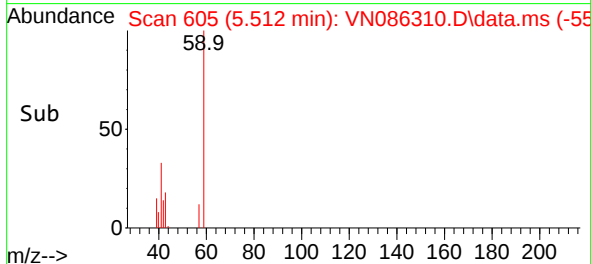
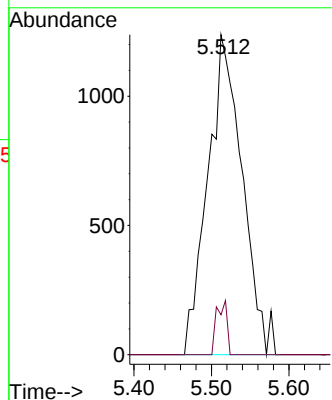
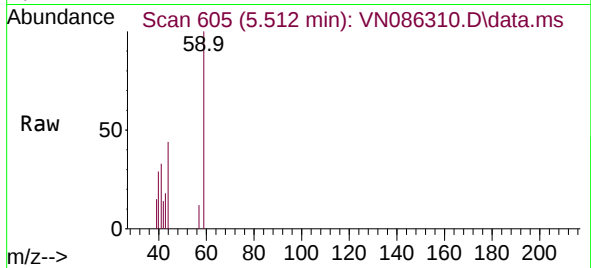




#11
Tert butyl alcohol
Concen: 7.879 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

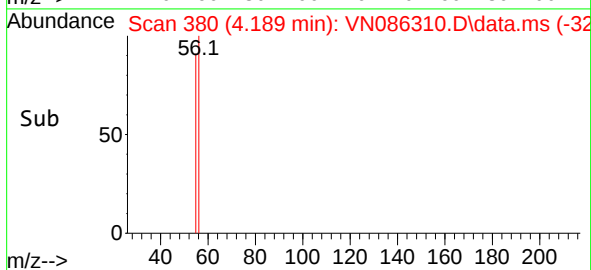
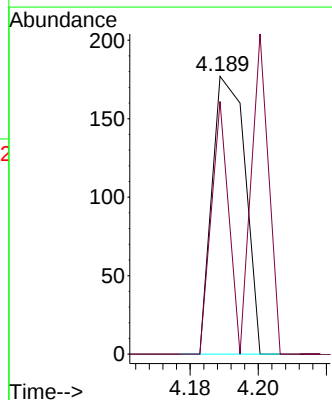
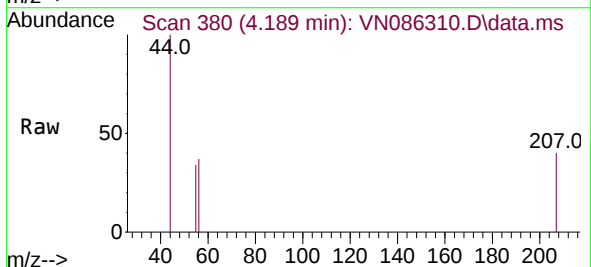
Instrument :
MSVOA_N
ClientSampleId :
V1207

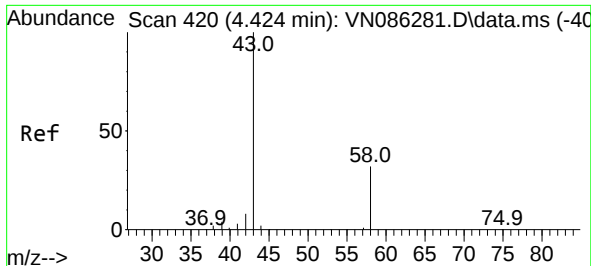
Tgt Ion: 59 Resp: 3826
Ion Ratio Lower Upper
59 100
57 5.1 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 56 Resp: 119
Ion Ratio Lower Upper
56 100
55 47.9 58.5 87.7#

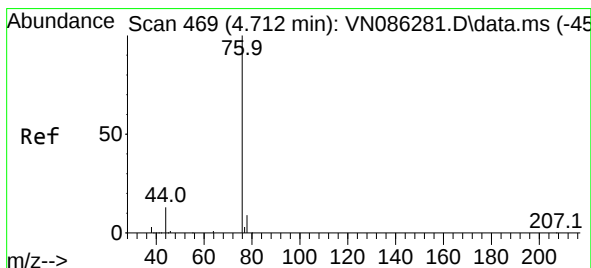
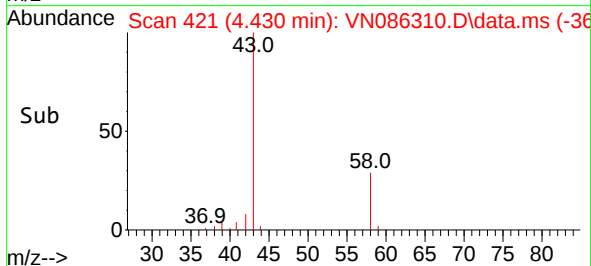
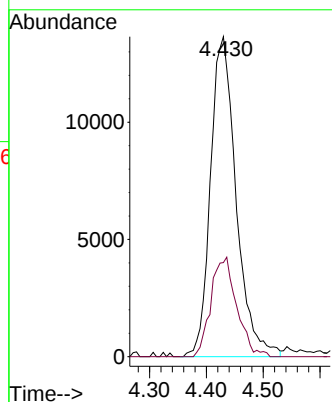
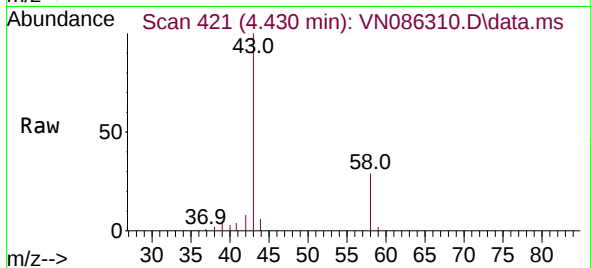




#16
Acetone
Concen: 41.745 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

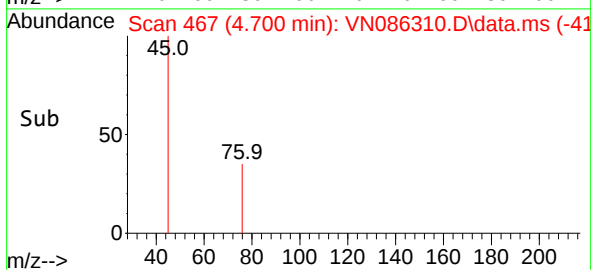
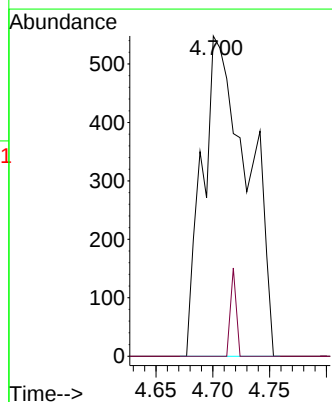
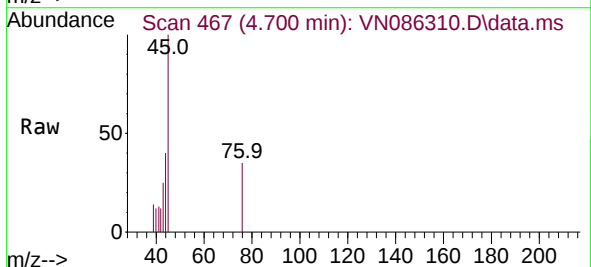
Instrument :
MSVOA_N
ClientSampleId :
V1207

Tgt Ion: 43 Resp: 42788
Ion Ratio Lower Upper
43 100
58 29.4 25.3 37.9



#17
Carbon Disulfide
Concen: 0.234 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.012 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 76 Resp: 1516
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

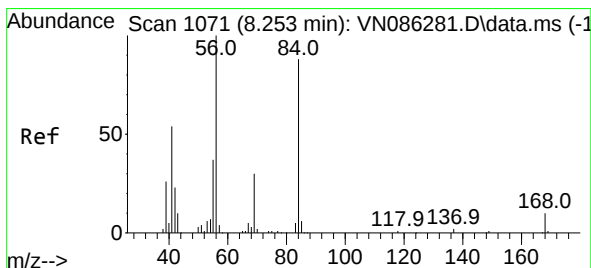
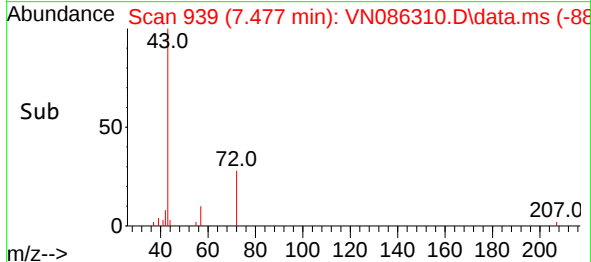
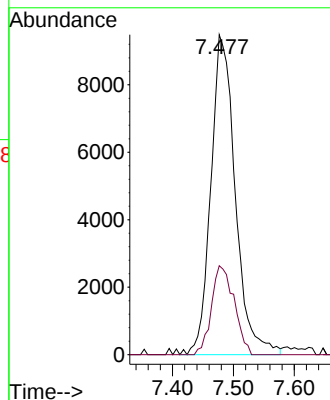
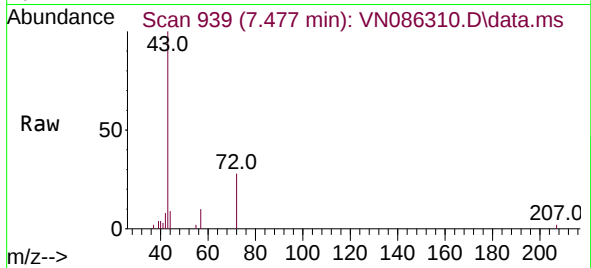




#25
2-Butanone
Concen: 15.963 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

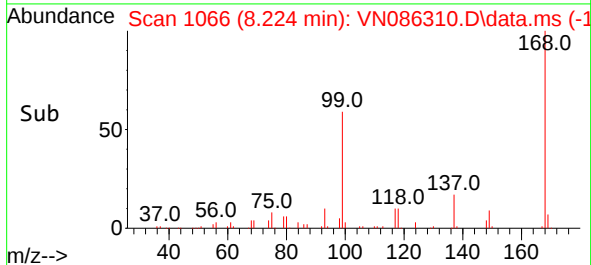
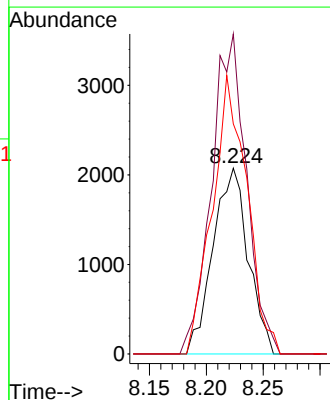
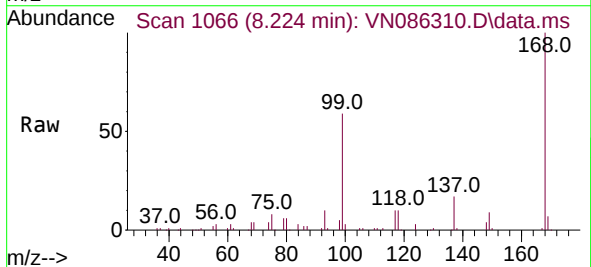
Instrument :
MSVOA_N
ClientSampleId :
V1207

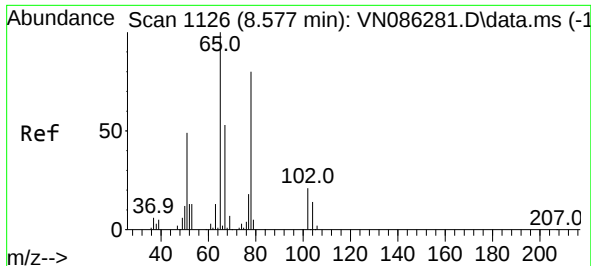
Tgt Ion: 43 Resp: 26445
Ion Ratio Lower Upper
43 100
72 27.8 21.7 32.5



#31
Cyclohexane
Concen: 1.036 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 56 Resp: 4468
Ion Ratio Lower Upper
56 100
69 172.2 24.2 36.2#
84 123.9 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 49.011 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

Instrument :

MSVOA_N

ClientSampleId :

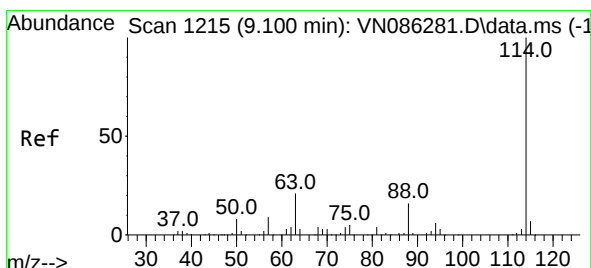
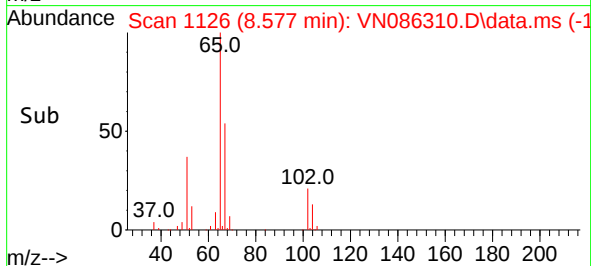
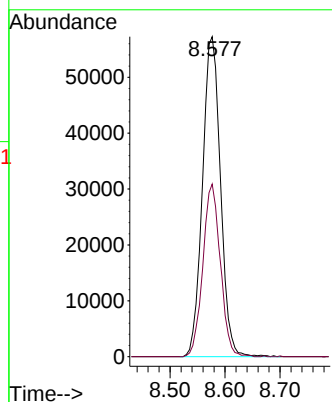
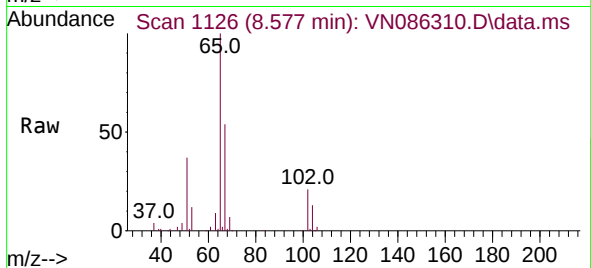
V1207

Tgt Ion: 65 Resp: 130443

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

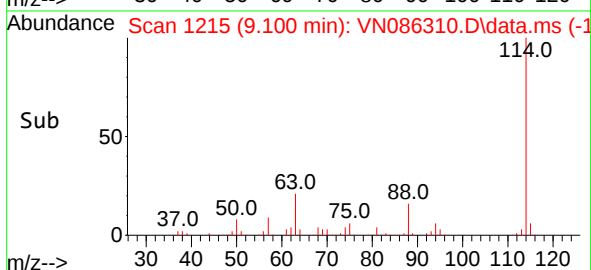
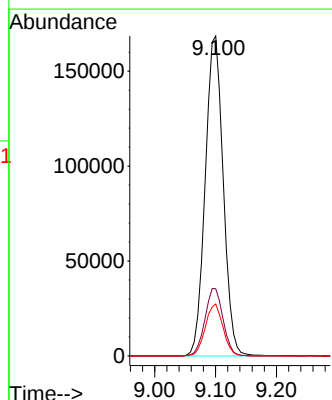
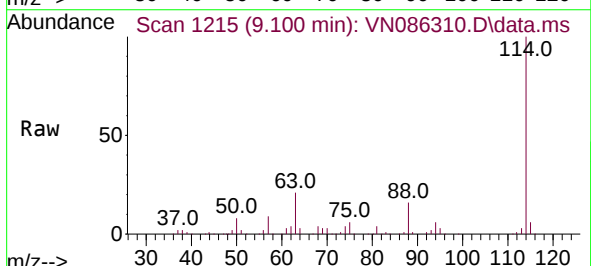
Tgt Ion: 114 Resp: 346417

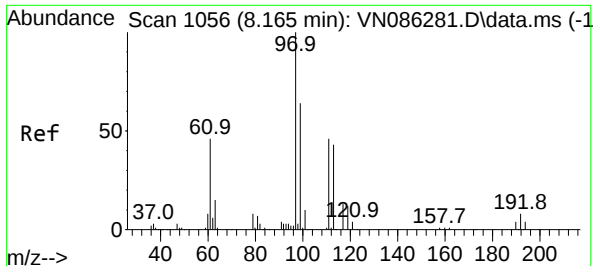
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 16.3 0.0 31.8

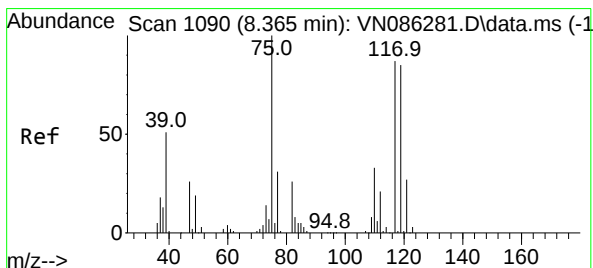
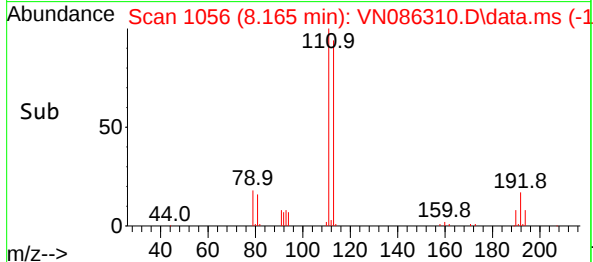
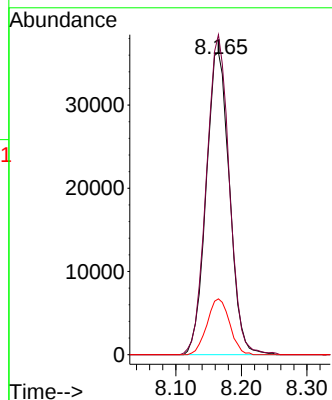
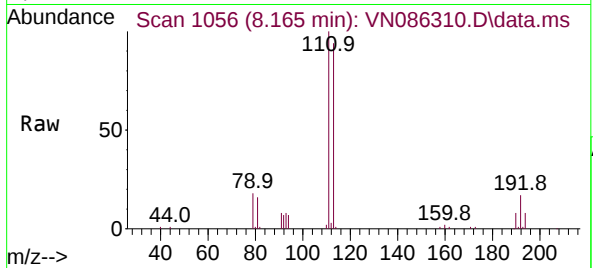




#35
 Dibromofluoromethane
 Concen: 55.995 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VN086310.D
 Acq: 16 Apr 2025 20:28

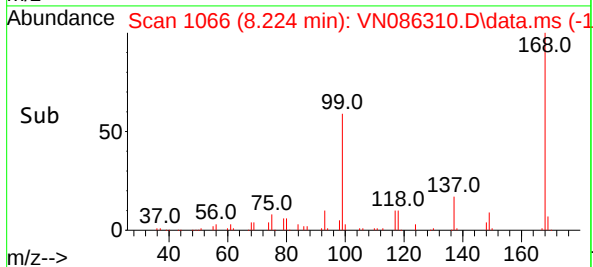
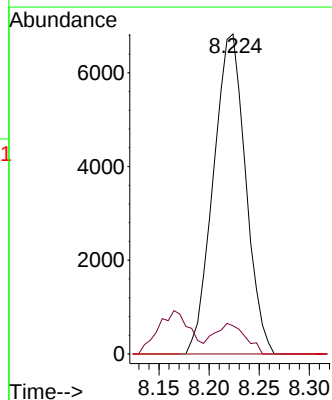
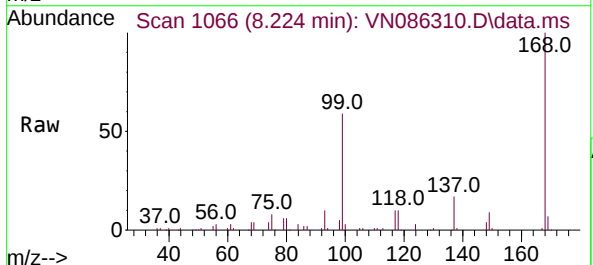
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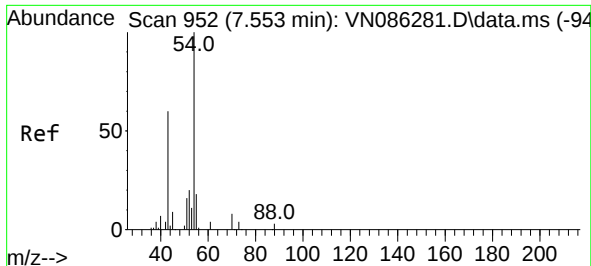
Tgt Ion:113 Resp: 90027
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.0
 192 17.8 13.7 20.5



#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN086310.D
 Acq: 16 Apr 2025 20:28

Tgt Ion: 75 Resp: 15268
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.8 50.4#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 7.822 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.076 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

Instrument :

MSVOA_N

ClientSampleId :

V1207

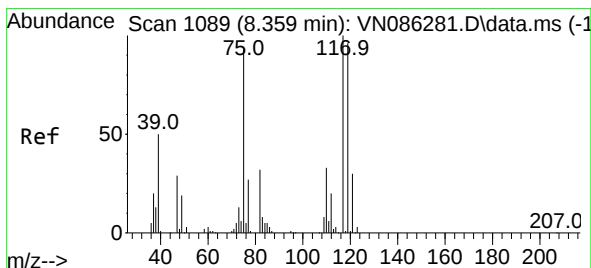
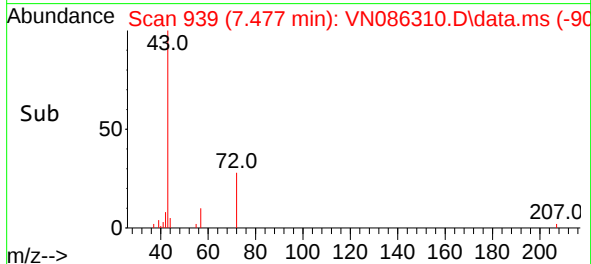
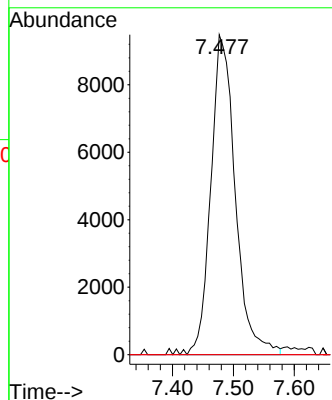
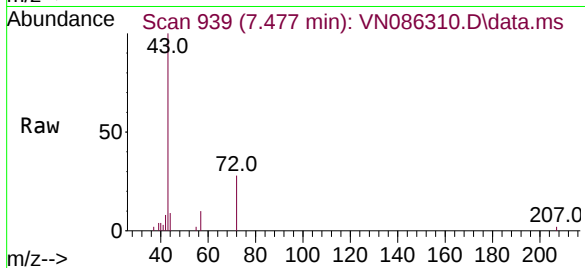
Tgt Ion: 43 Resp: 26445

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 6.189 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

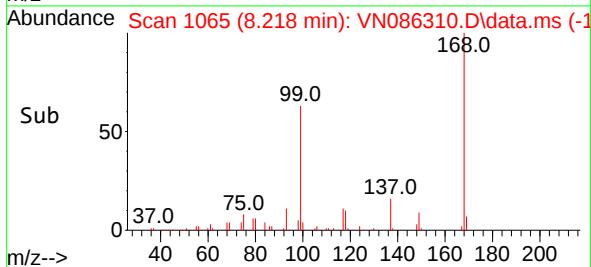
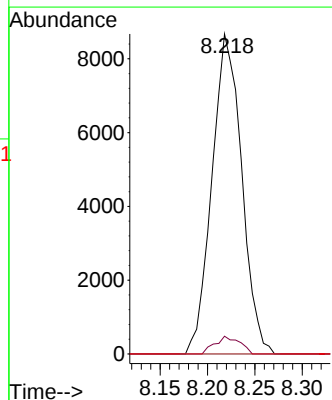
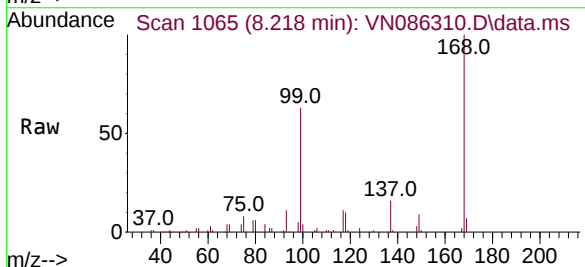
Tgt Ion: 117 Resp: 18928

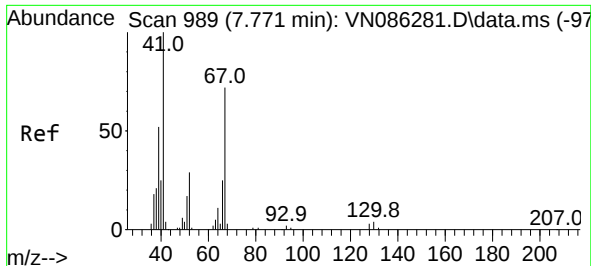
Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

121 0.0 23.8 35.8#

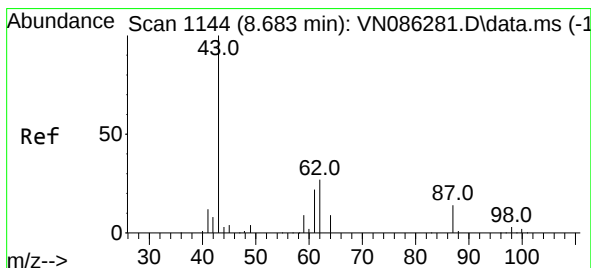
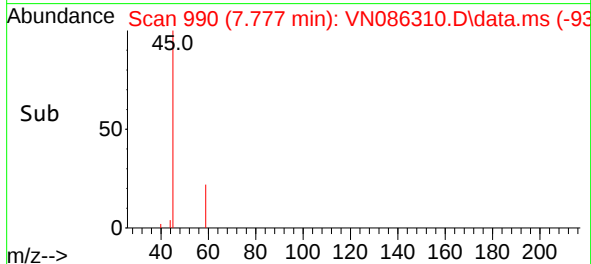
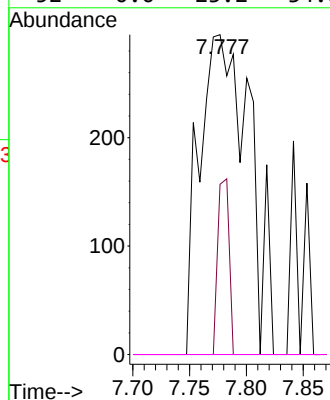
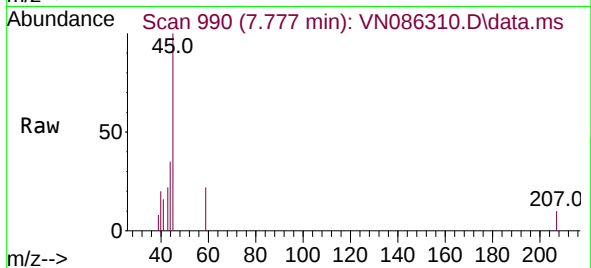




#41
Methacrylonitrile
Concen: 0.463 ug/l
RT: 7.777 min Scan# 907
Delta R.T. 0.006 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

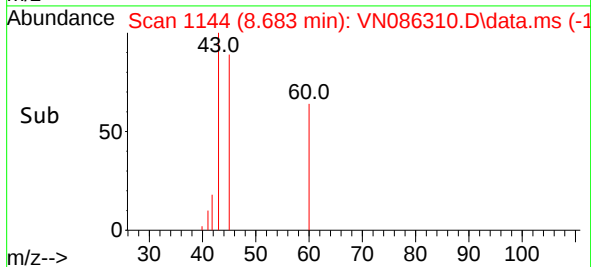
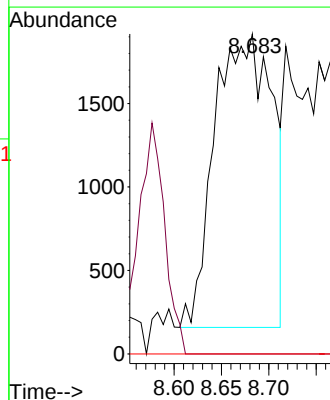
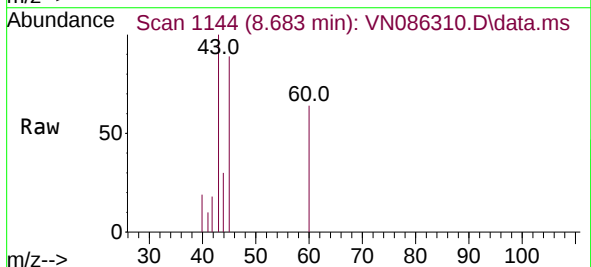
Instrument :
MSVOA_N
ClientSampleId :
V1207

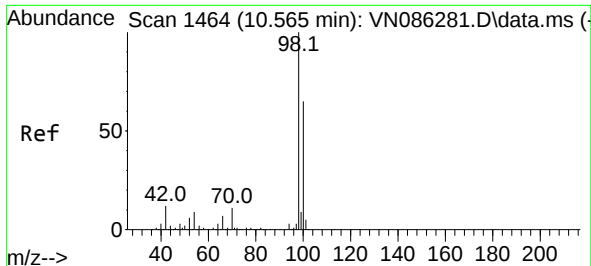
Tgt Ion:	41	Resp:	907
Ion	Ratio	Lower	Upper
41	100		
39	12.5	43.0	64.4#
67	0.0	58.8	88.2#
52	0.0	23.2	34.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion:	43	Resp:	7441
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.5	30.7#
87	0.0	10.5	15.7#

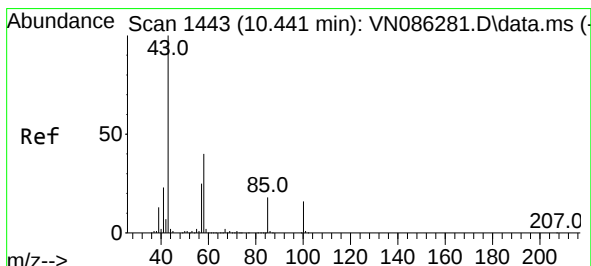
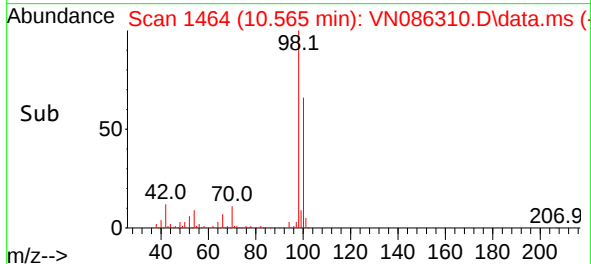
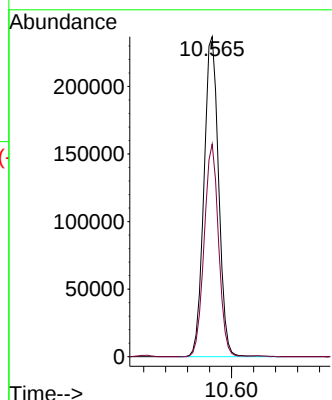
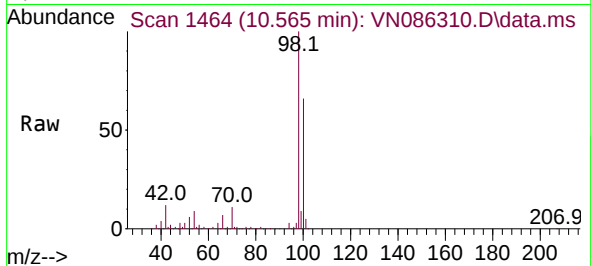




#50
Toluene-d8
Concen: 50.932 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

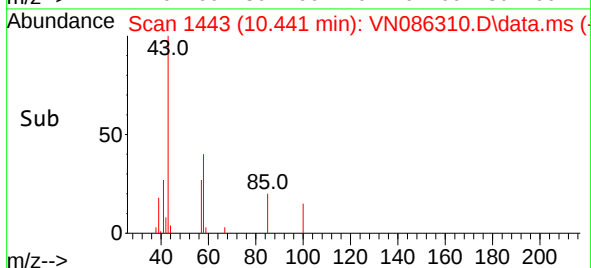
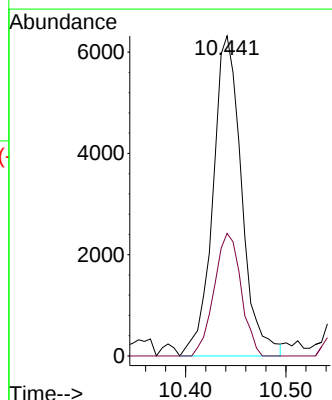
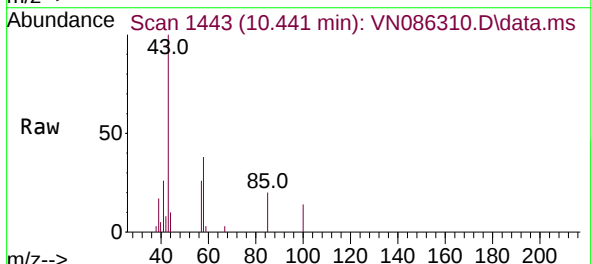
Instrument :
MSVOA_N
ClientSampleId :
V1207

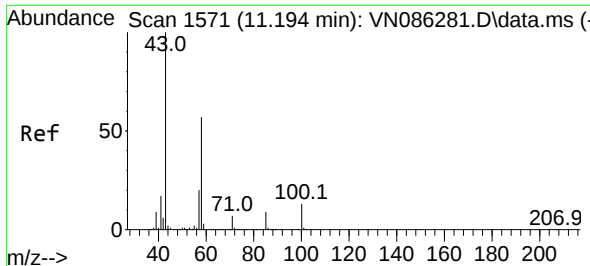
Tgt Ion: 98 Resp: 437640
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 3.624 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 43 Resp: 12546
Ion Ratio Lower Upper
43 100
58 35.8 32.2 48.4

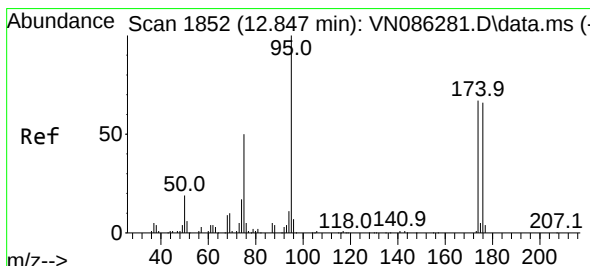
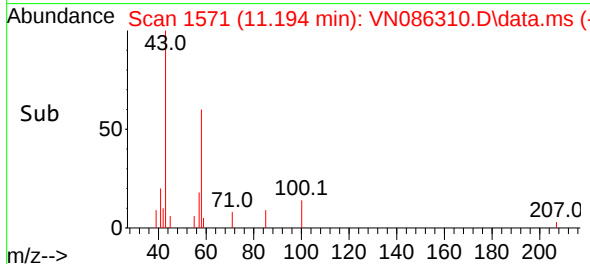
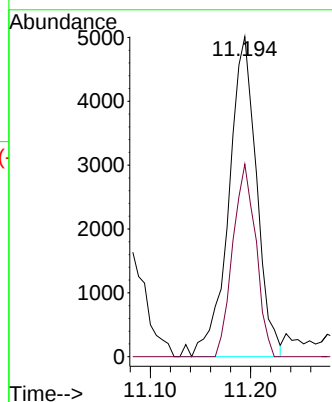
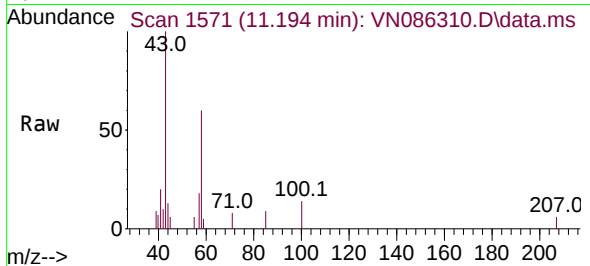




#59
2-Hexanone
Concen: 3.782 ug/l
RT: 11.194 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

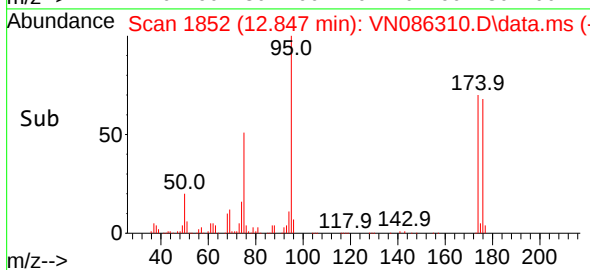
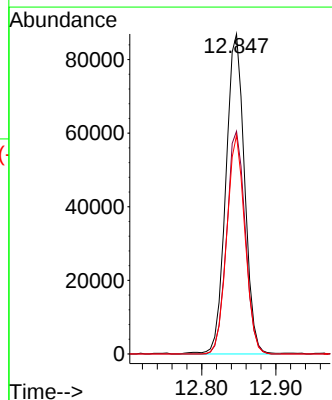
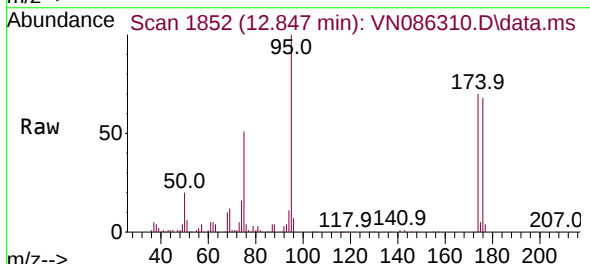
Instrument :
MSVOA_N
ClientSampleId :
V1207

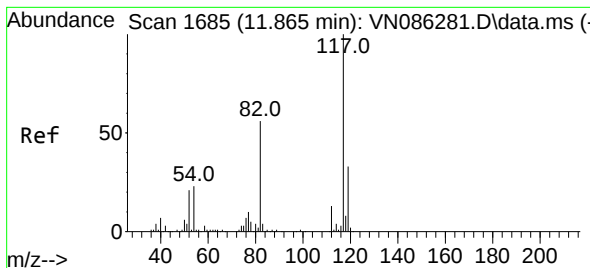
Tgt Ion: 43 Resp: 9712
Ion Ratio Lower Upper
43 100
58 49.7 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 48.451 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 95 Resp: 151851
Ion Ratio Lower Upper
95 100
174 68.8 0.0 133.4
176 66.4 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

Instrument :

MSVOA_N

ClientSampleId :

V1207

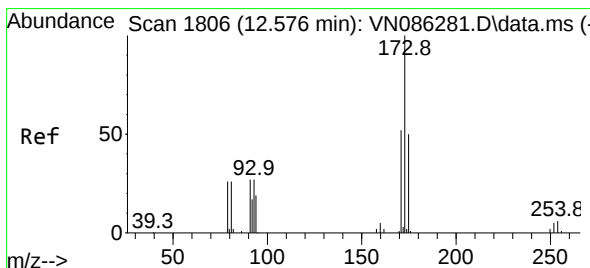
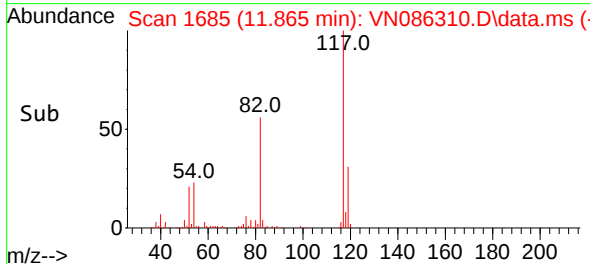
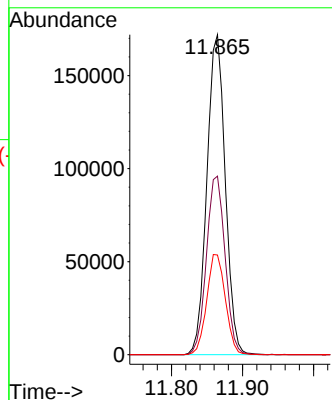
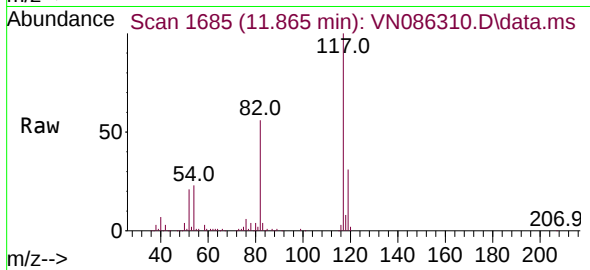
Tgt Ion:117 Resp: 309274

Ion Ratio Lower Upper

117 100

82 55.8 44.7 67.1

119 31.2 26.4 39.6



#71

Bromoform

Concen: 0.356 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

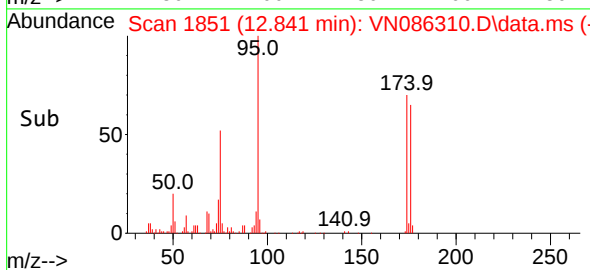
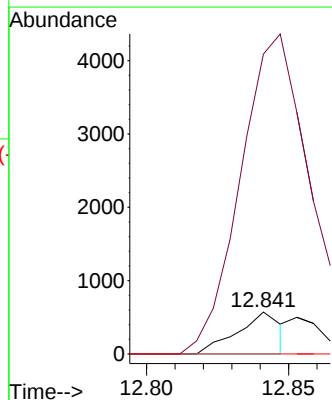
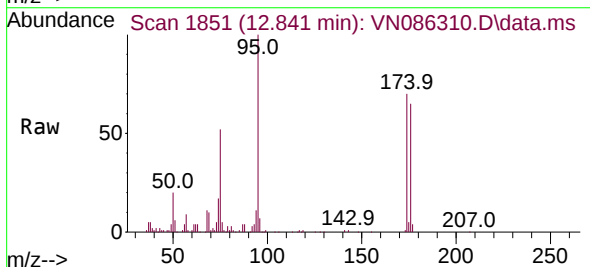
Tgt Ion:173 Resp: 611

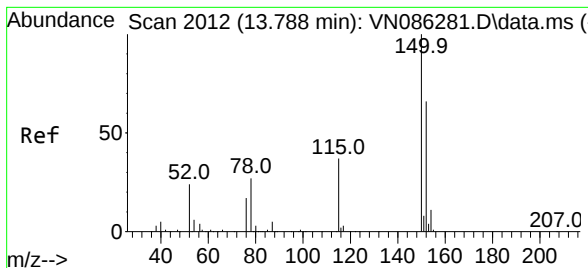
Ion Ratio Lower Upper

173 100

175 986.9 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# 2012

Delta R.T. 0.000 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

Instrument :

MSVOA_N

ClientSampleId :

V1207

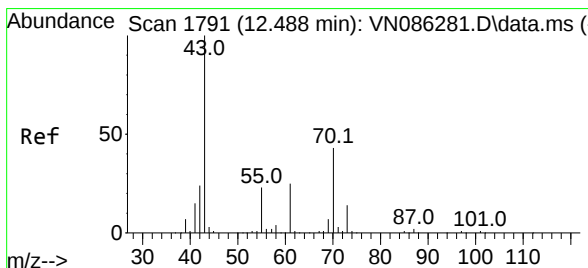
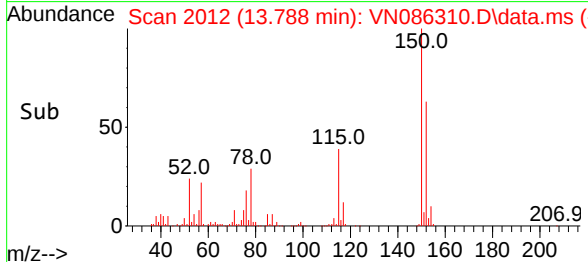
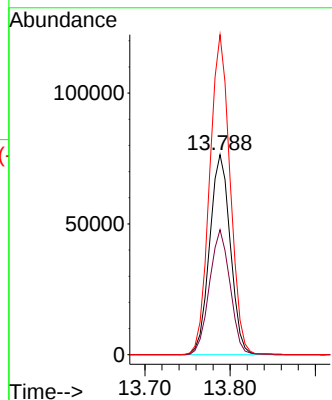
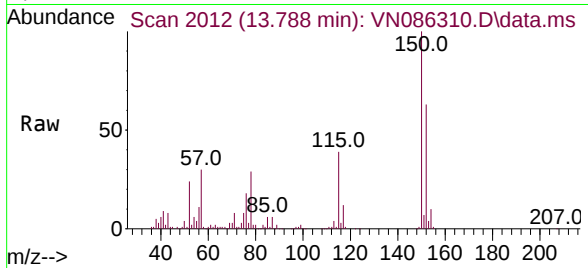
Tgt Ion:152 Resp: 128995

Ion Ratio Lower Upper

152 100

115 62.3 31.9 95.9

150 158.3 0.0 352.0



#74

N-ethyl acetate

Concen: 0.219 ug/l

RT: 12.506 min Scan# 1794

Delta R.T. 0.018 min

Lab File: VN086310.D

Acq: 16 Apr 2025 20:28

Tgt Ion: 43 Resp: 1148

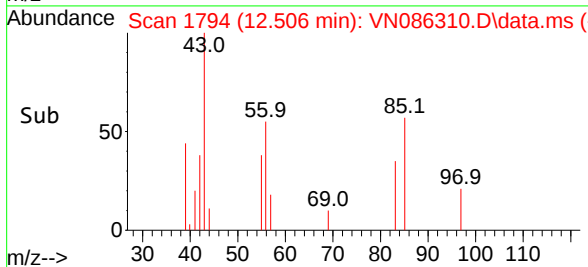
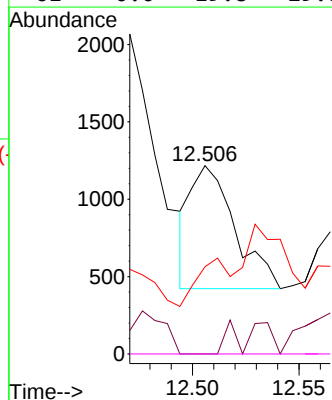
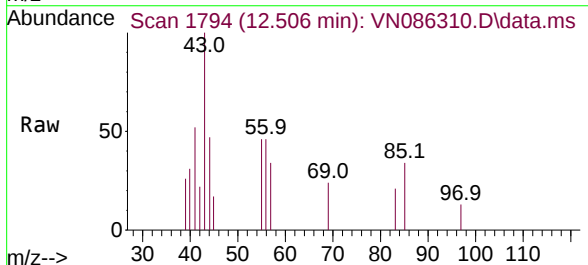
Ion Ratio Lower Upper

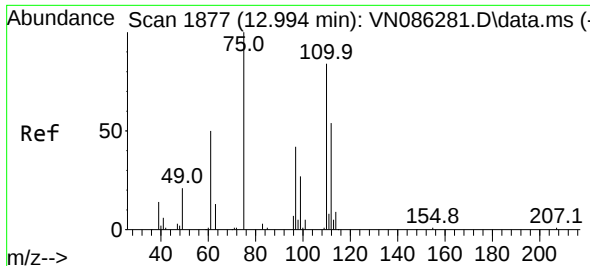
43 100

70 6.7 35.0 52.4#

55 0.0 19.0 28.4#

61 0.0 19.8 29.8#

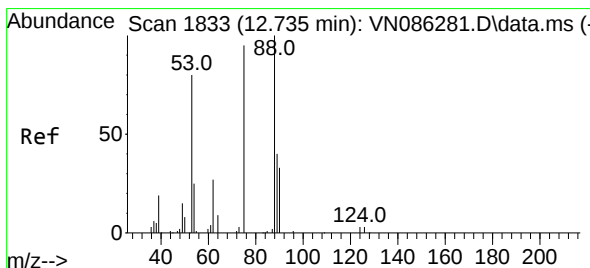
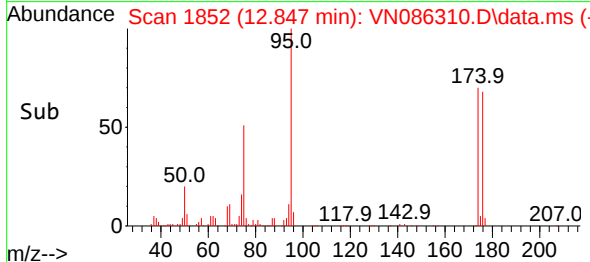
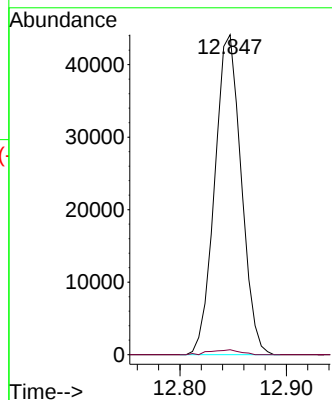
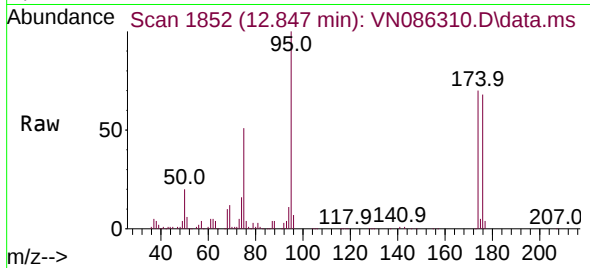




#76
1,2,3-Trichloropropane
Concen: 25.032 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

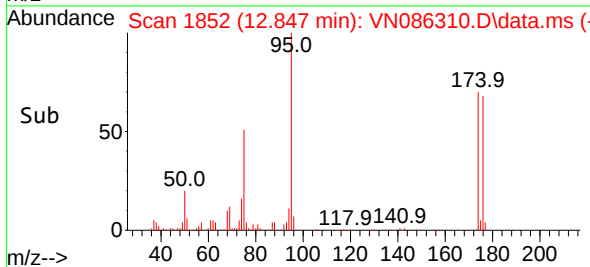
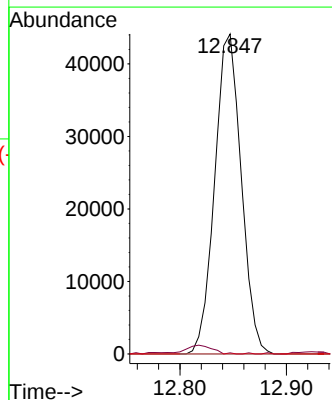
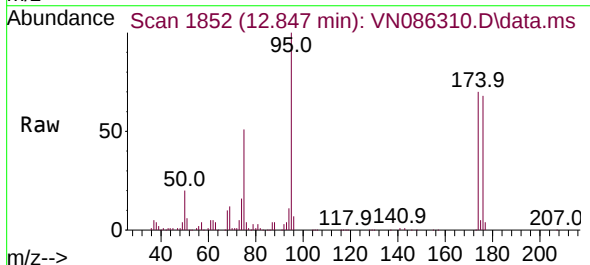
Instrument :
MSVOA_N
ClientSampleId :
V1207

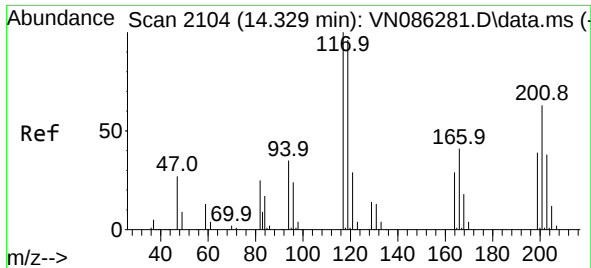
Tgt Ion: 75 Resp: 76199
Ion Ratio Lower Upper
75 100
77 1.8 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.117 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Tgt Ion: 75 Resp: 76199
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#





#90
Hexachloroethane
Concen: 0.329 ug/l
RT: 14.441 min Scan# 21
Delta R.T. 0.112 min
Lab File: VN086310.D
Acq: 16 Apr 2025 20:28

Instrument :
MSVOA_N
ClientSampleId :
V1207

Tgt Ion:117 Resp: 473
Ion Ratio Lower Upper
117 100
201 0.0 31.4 94.2#

