

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086637.D
 Acq On : 15 May 2025 11:58
 Operator : JC\MD
 Sample : Q1966-05 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SILICA-GEL

Quant Time: May 16 05:24:32 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

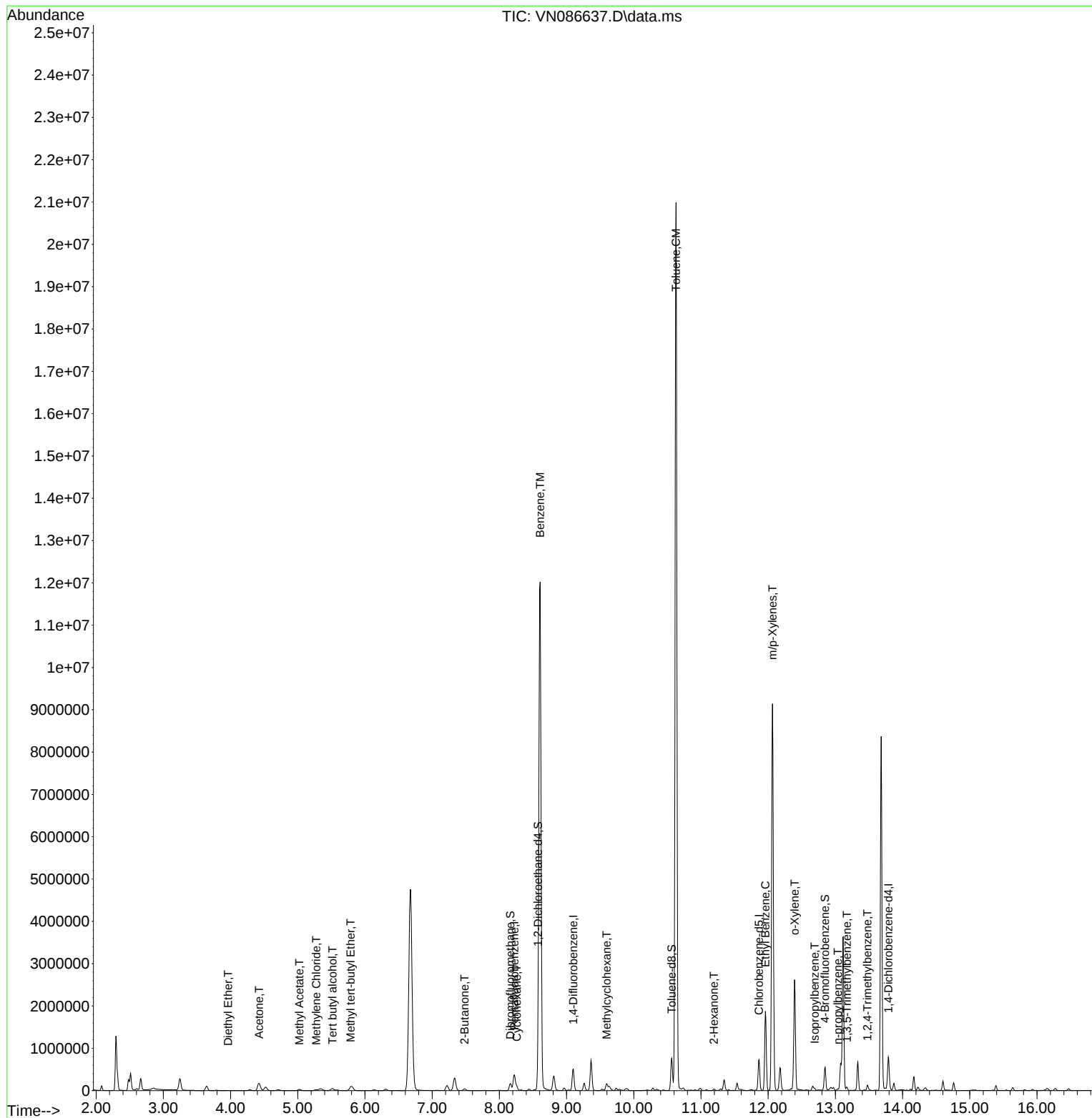
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	253920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	463903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	445563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	212682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151810	41.230	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.460%
35) Dibromofluoromethane	8.165	113	127258	59.106	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	118.220%
50) Toluene-d8	10.565	98	534452	46.446	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.900%
62) 4-Bromofluorobenzene	12.847	95	203939	48.591	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.180%
Target Compounds						
						Qvalue
8) Diethyl Ether	3.965	74	2177	1.078	ug/l	94
11) Tert butyl alcohol	5.518	59	100956	150.271	ug/l	100
16) Acetone	4.424	43	298146	233.830	ug/l	98
18) Methyl Acetate	5.024	43	60888	13.776	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	124213	11.307	ug/l #	62
20) Methylene Chloride	5.277	84	4230	1.243	ug/l	93
25) 2-Butanone	7.483	43	69631	30.381	ug/l	96
31) Cyclohexane	8.259	56	71604	12.000	ug/l	95
39) Methylcyclohexane	9.594	83	74364	14.549	ug/l	95
40) Benzene	8.606	78	12901915	936.411	ug/l	99
52) Toluene	10.629	92	9962906	1158.863	ug/l	93
59) 2-Hexanone	11.194	43	17692	5.145	ug/l	90
67) Ethyl Benzene	11.959	91	1427851	79.576	ug/l	99
68) m/p-Xylenes	12.065	106	3036335	451.616	ug/l	94
69) o-Xylene	12.394	106	759129	114.173	ug/l	95
73) Isopropylbenzene	12.694	105	37182	2.137	ug/l	99
78) n-propylbenzene	13.035	91	24771	1.208	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	39866	2.800	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	71872	4.959	ug/l	99

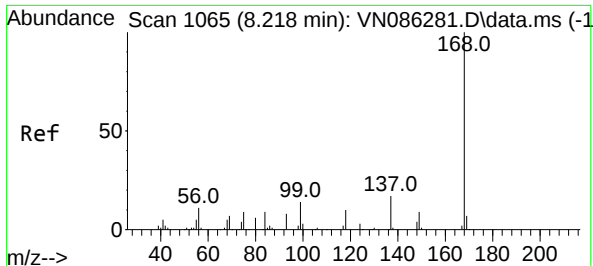
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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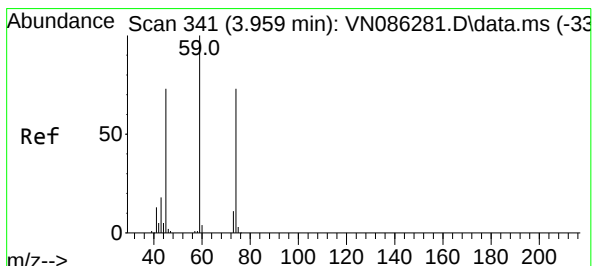
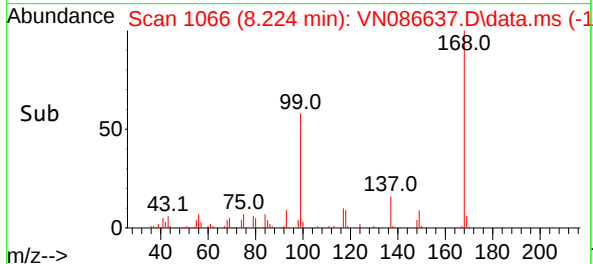
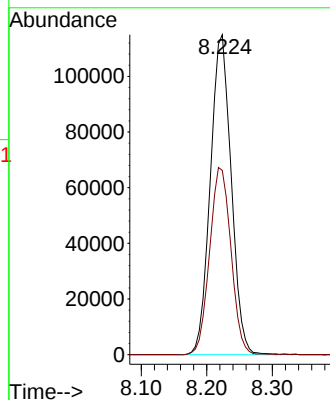
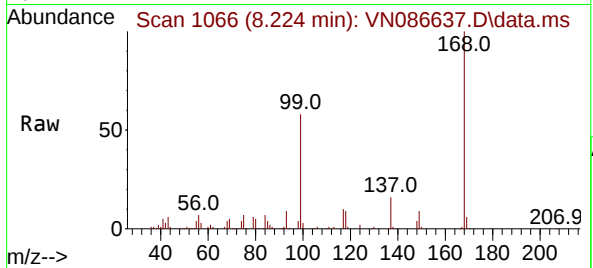




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

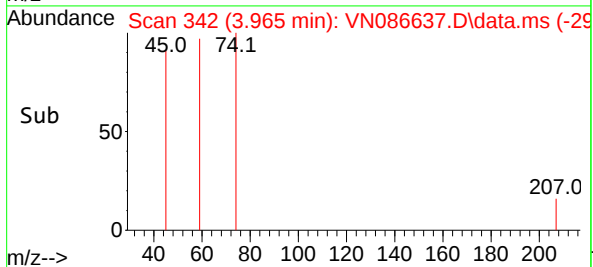
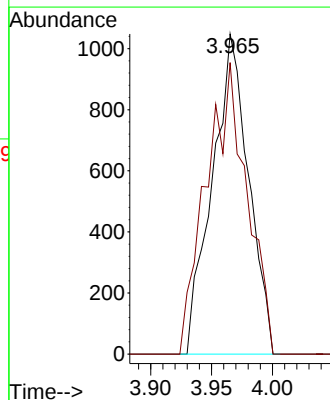
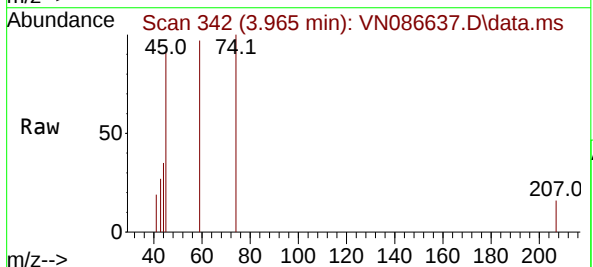
Instrument :
MSVOA_N
ClientSampleId :
SILICA-GEL

Tgt Ion:168 Resp: 253920
Ion Ratio Lower Upper
168 100
99 57.6 52.5 78.7



#8
Diethyl Ether
Concen: 1.078 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion: 74 Resp: 2177
Ion Ratio Lower Upper
74 100
45 101.7 48.0 144.2

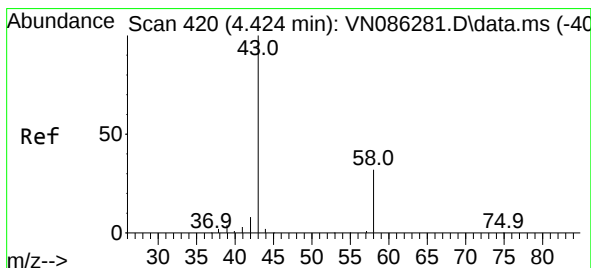
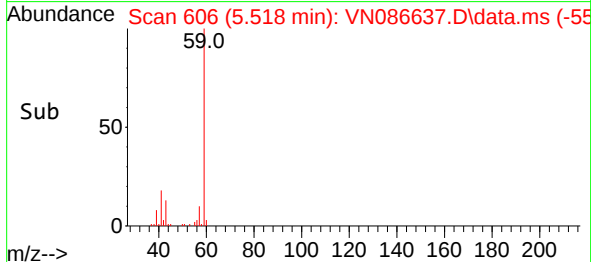
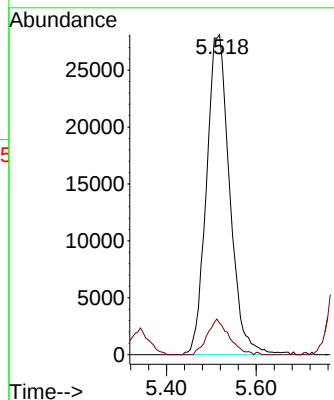
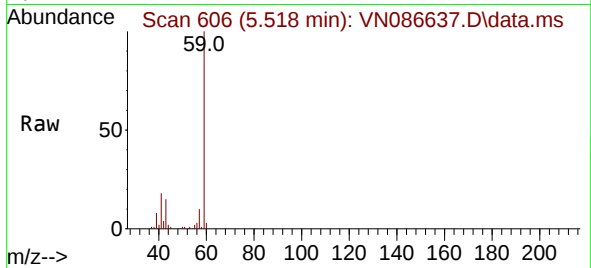




#11
Tert butyl alcohol
Concen: 150.271 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

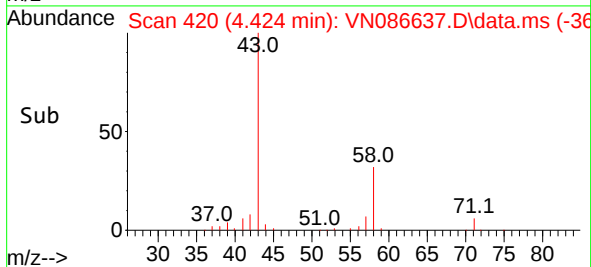
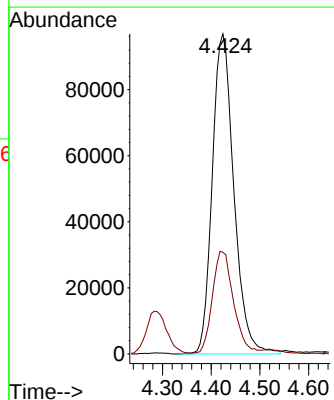
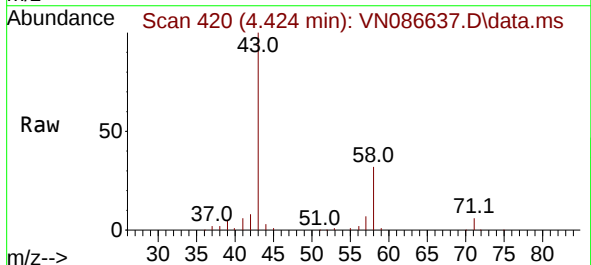
Instrument :
MSVOA_N
ClientSampleId :
SILICA-GEL

Tgt Ion: 59 Resp: 100956
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#16
Acetone
Concen: 233.830 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion: 43 Resp: 298146
Ion Ratio Lower Upper
43 100
58 30.7 25.3 37.9

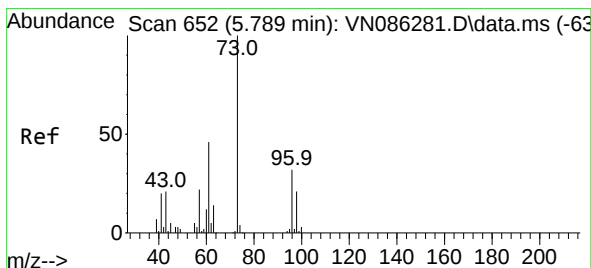
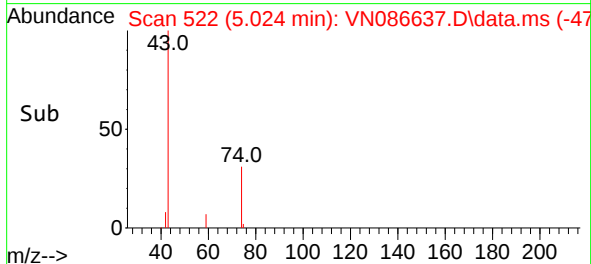
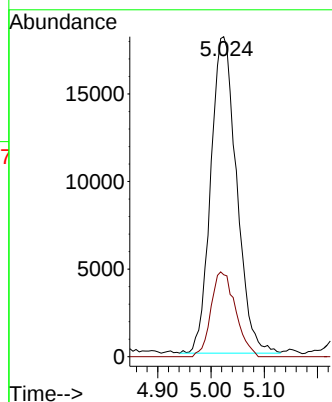
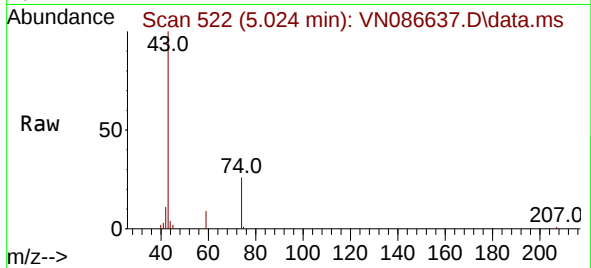




#18
Methyl Acetate
Concen: 13.776 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

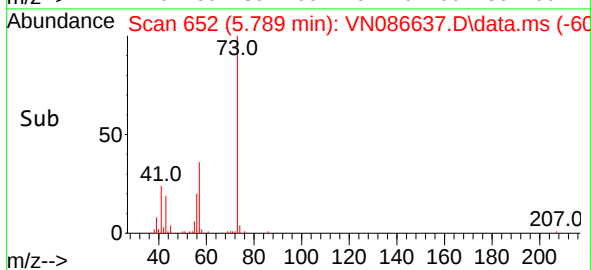
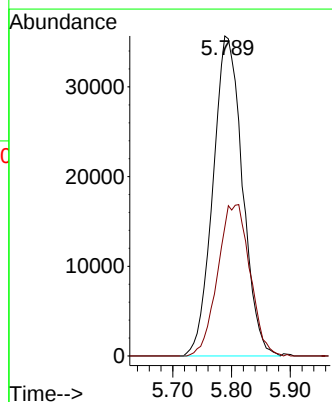
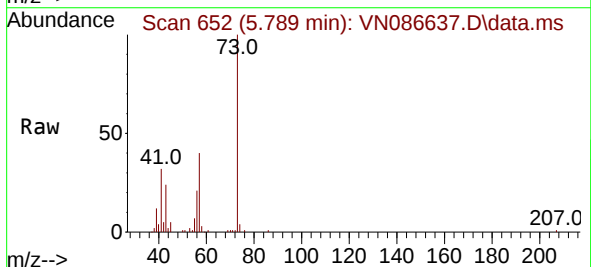
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MSVOA_N
ClientSampleId :
SILICA-GEL

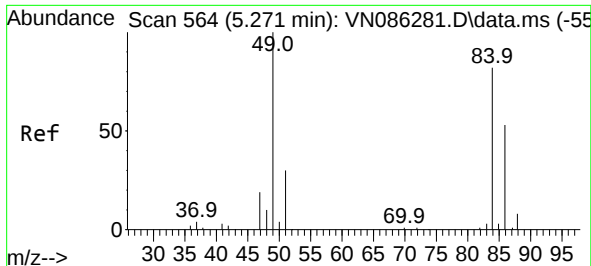
Tgt Ion: 43 Resp: 60888
Ion Ratio Lower Upper
43 100
74 25.5 19.8 29.6



#19
Methyl tert-butyl Ether
Concen: 11.307 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion: 73 Resp: 124213
Ion Ratio Lower Upper
73 100
57 40.3 17.6 26.4#

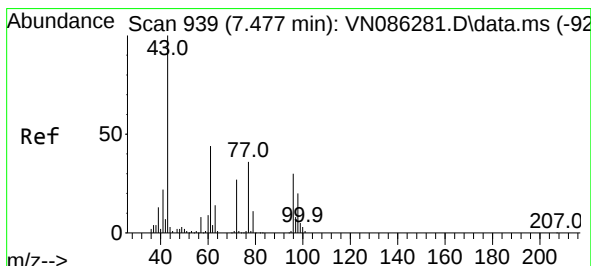
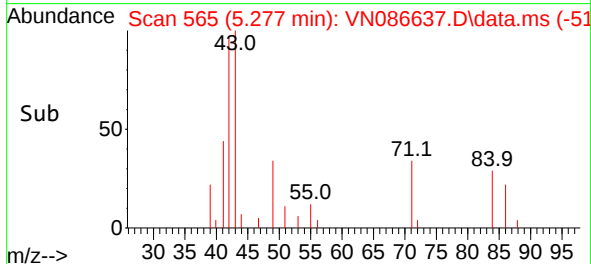
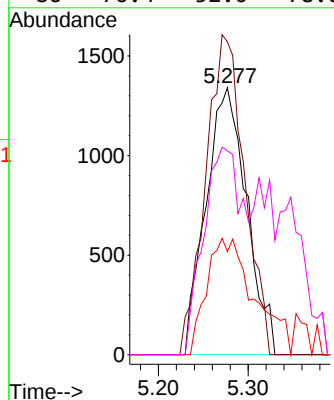
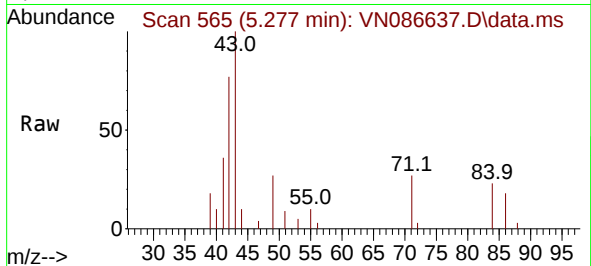




#20
Methylene Chloride
Concen: 1.243 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

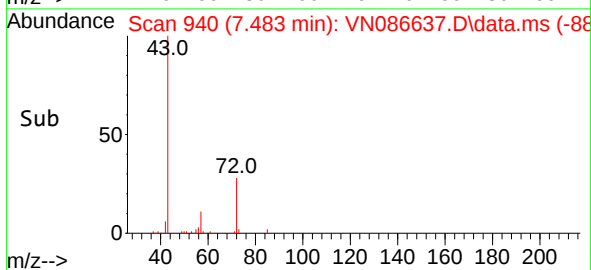
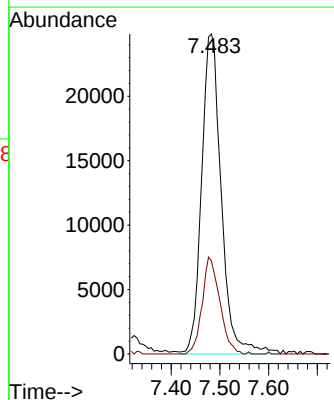
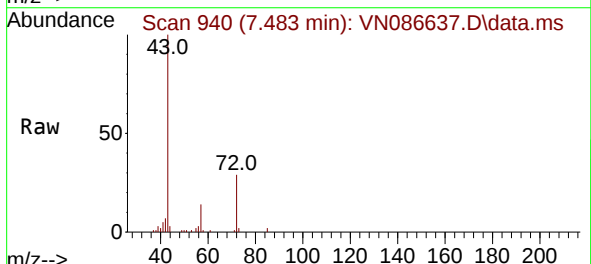
Instrument :
MSVOA_N
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SILICA-GEL

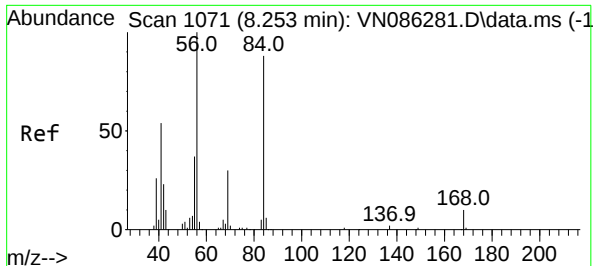
Tgt Ion: 84	Resp: 4230
Ion Ratio	Lower Upper
84 100	
49 117.2	98.2 147.2
51 38.6	29.8 44.6
86 76.4	52.0 78.0



#25
2-Butanone
Concen: 30.381 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion: 43	Resp: 69631
Ion Ratio	Lower Upper
43 100	
72 29.0	21.7 32.5

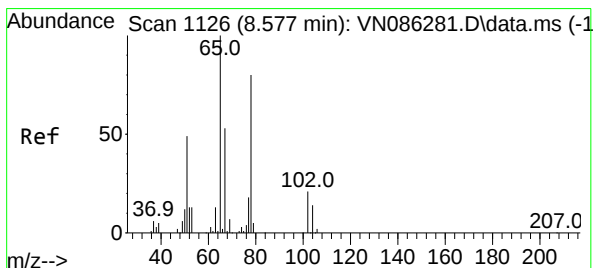
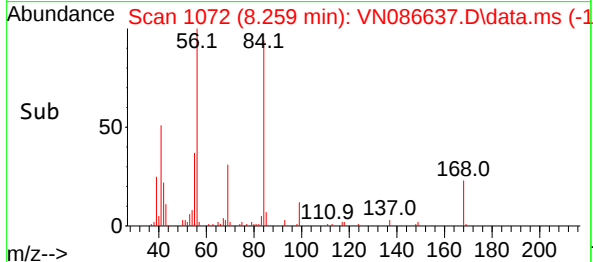
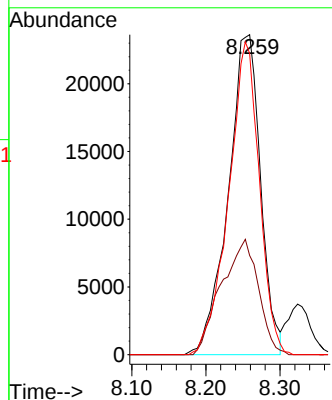
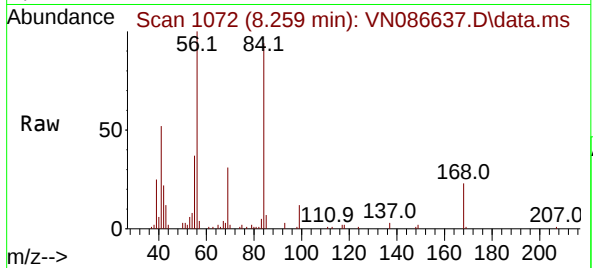




#31
Cyclohexane
Concen: 12.000 ug/l
RT: 8.259 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

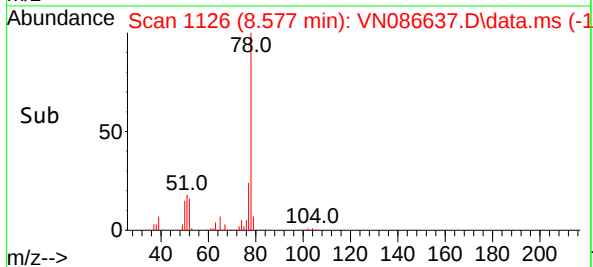
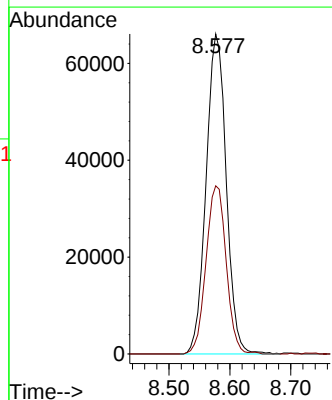
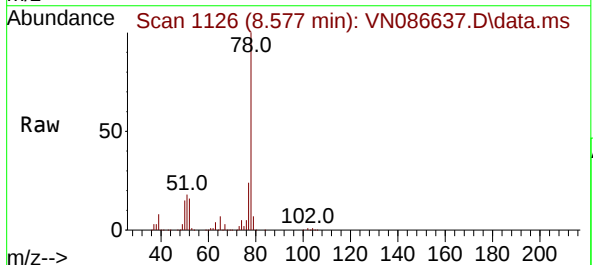
Instrument :
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ClientSampleId :
SILICA-GEL

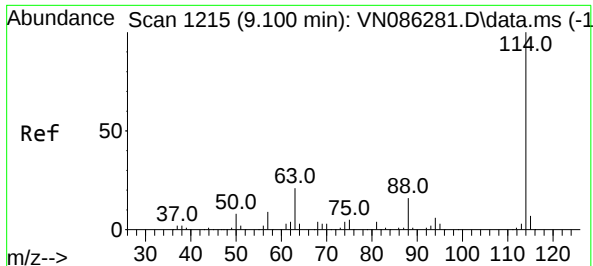
Tgt Ion: 56 Resp: 71604
Ion Ratio Lower Upper
56 100
69 31.0 24.2 36.2
84 94.2 70.3 105.5



#33
1,2-Dichloroethane-d4
Concen: 41.230 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion: 65 Resp: 151810
Ion Ratio Lower Upper
65 100
67 52.7 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: VN086637.D

Acq: 15 May 2025 11:58

Instrument :

MSVOA_N

ClientSampleId :

SILICA-GEL

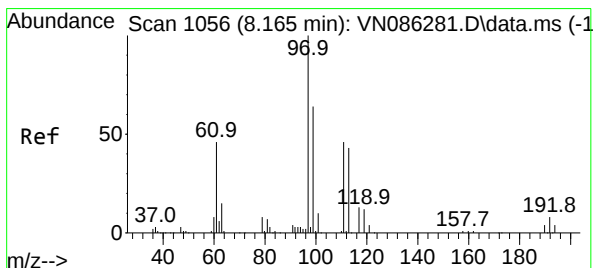
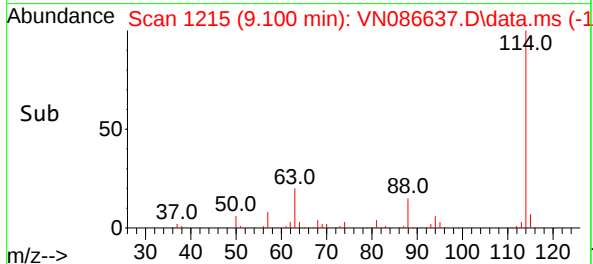
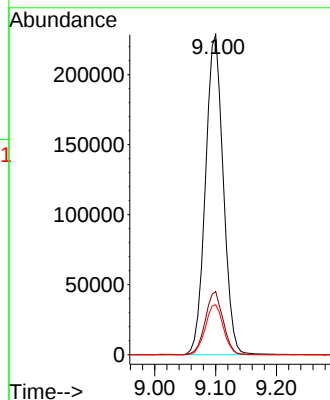
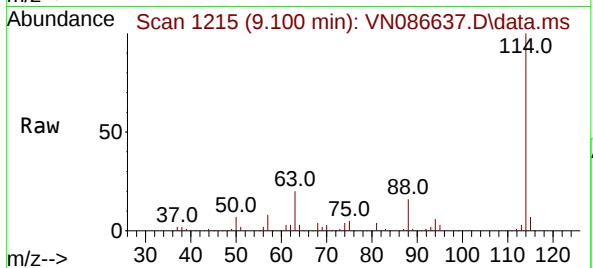
Tgt Ion:114 Resp: 463903

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.106 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086637.D

Acq: 15 May 2025 11:58

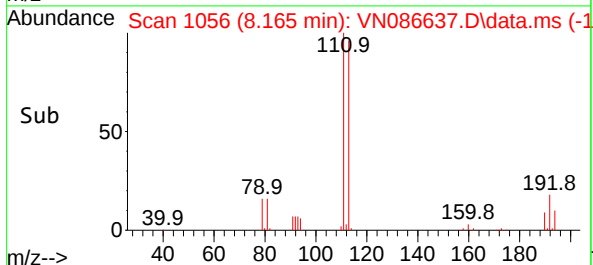
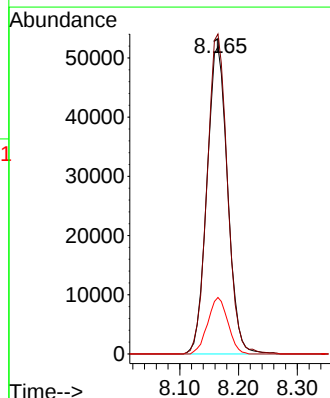
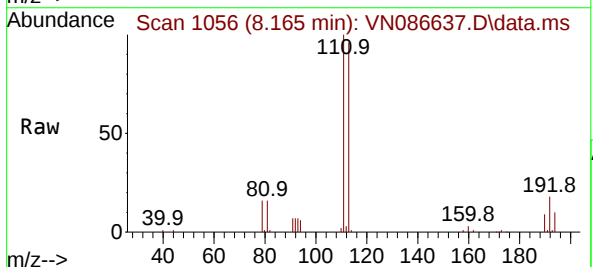
Tgt Ion:113 Resp: 127258

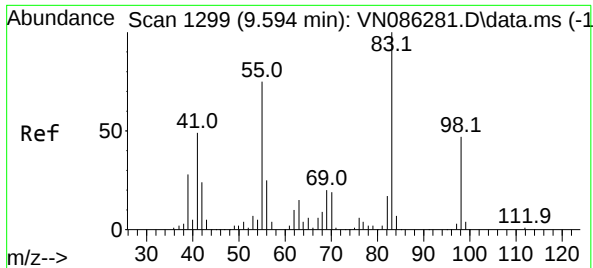
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

192 17.9 13.7 20.5

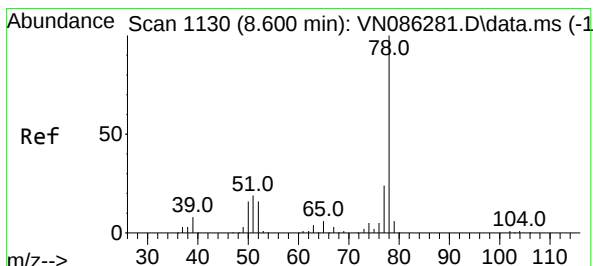
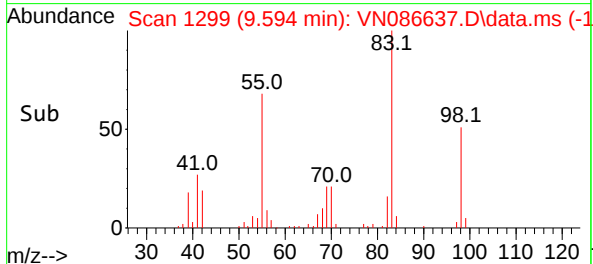
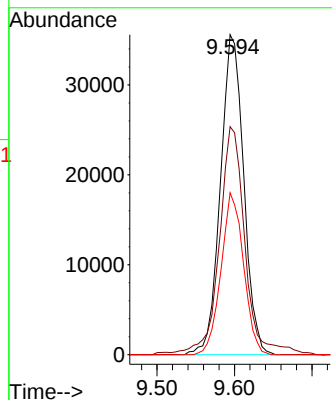
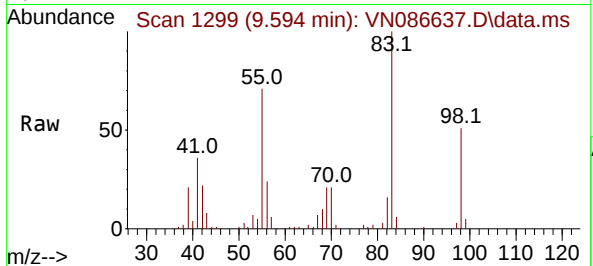




#39
Methylcyclohexane
Concen: 14.549 ug/l
RT: 9.594 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

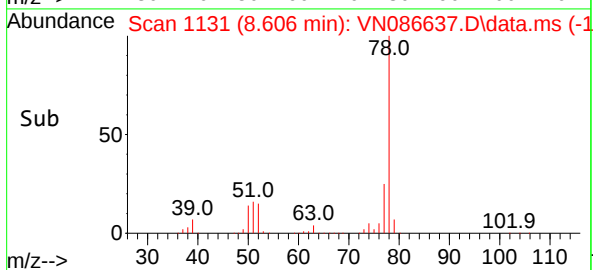
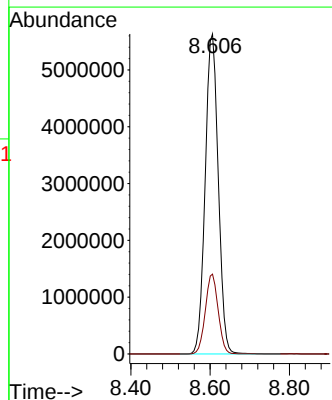
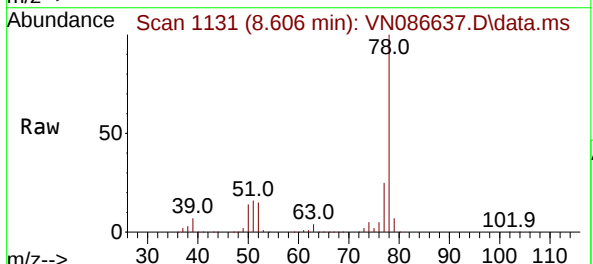
Instrument :
MSVOA_N
ClientSampleId :
SILICA-GEL

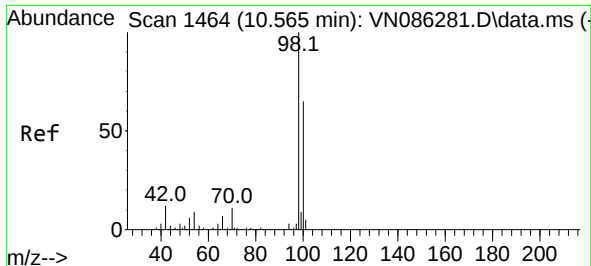
Tgt Ion: 83 Resp: 74364
Ion Ratio Lower Upper
83 100
55 70.0 59.8 89.8
98 50.6 37.9 56.9



#40
Benzene
Concen: 936.411 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion: 78 Resp:12901915
Ion Ratio Lower Upper
78 100
77 25.0 19.4 29.2

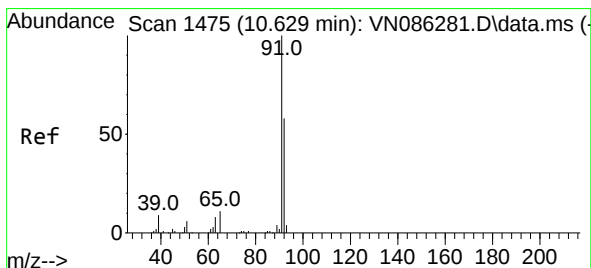
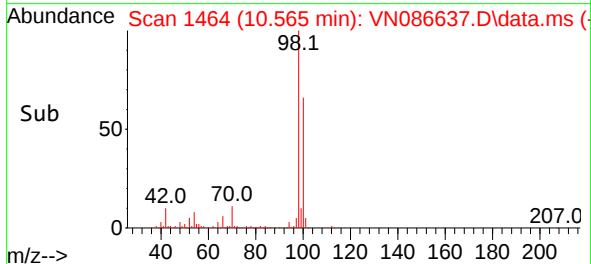
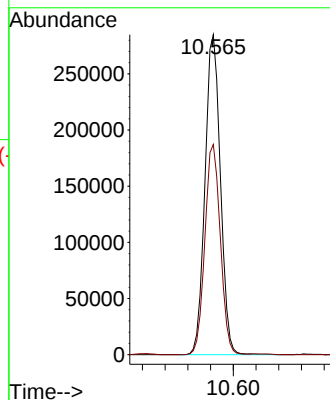
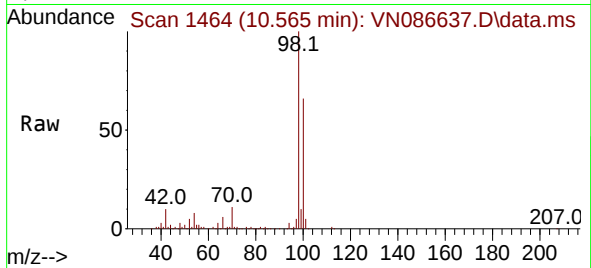




#50
Toluene-d8
Concen: 46.446 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

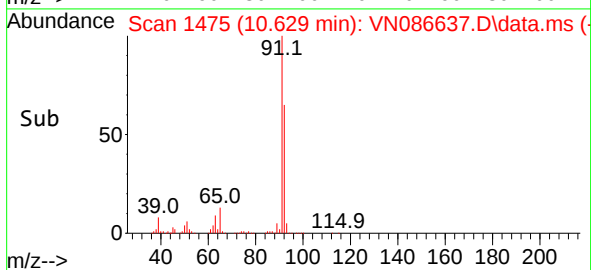
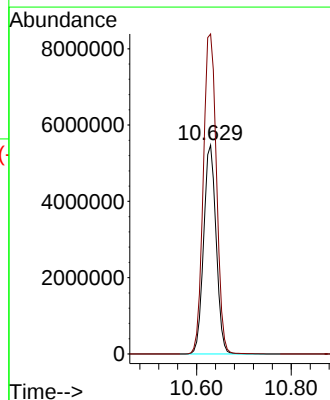
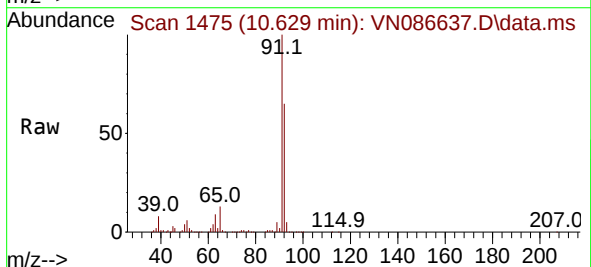
Instrument :
MSVOA_N
ClientSampleId :
SILICA-GEL

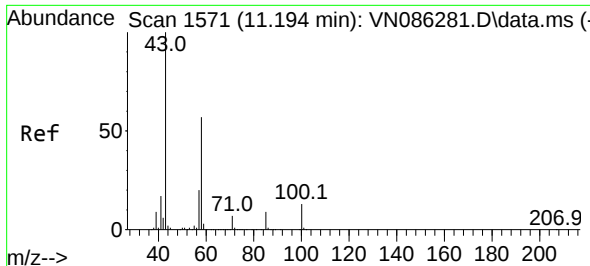
Tgt Ion: 98 Resp: 534452
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7



#52
Toluene
Concen: 1158.863 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion: 92 Resp: 9962906
Ion Ratio Lower Upper
92 100
91 162.1 137.3 205.9

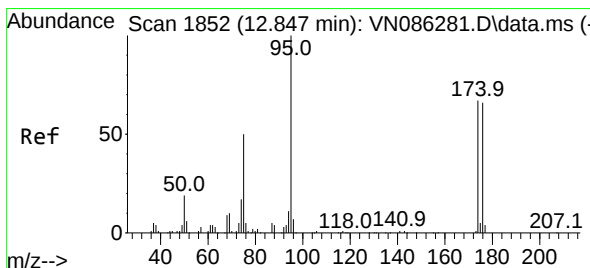
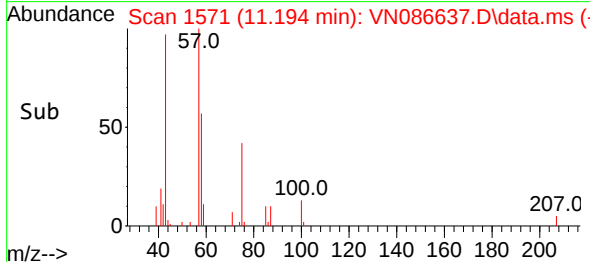
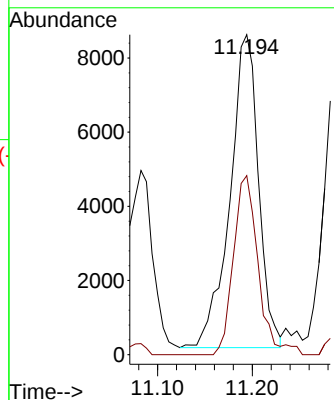
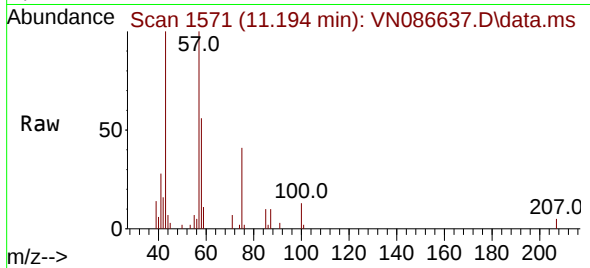




#59
2-Hexanone
Concen: 5.145 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

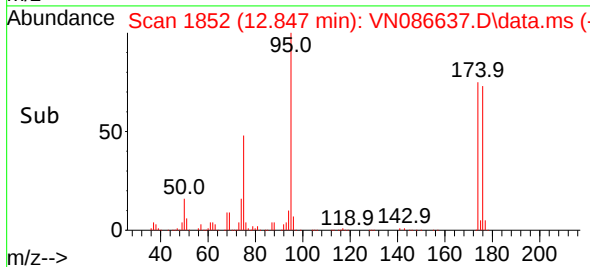
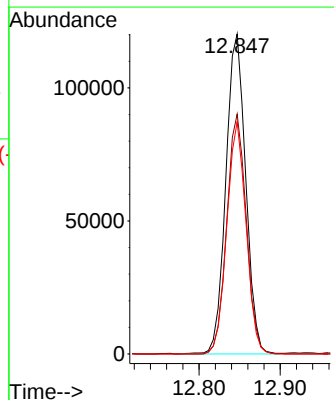
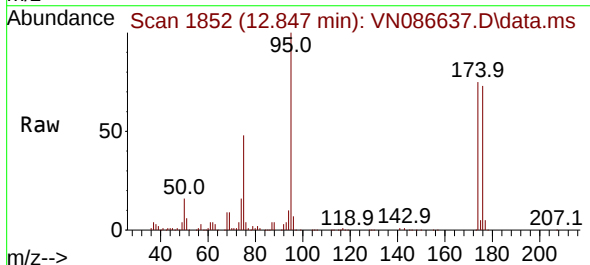
Instrument :
MSVOA_N
ClientSampleId :
SILICA-GEL

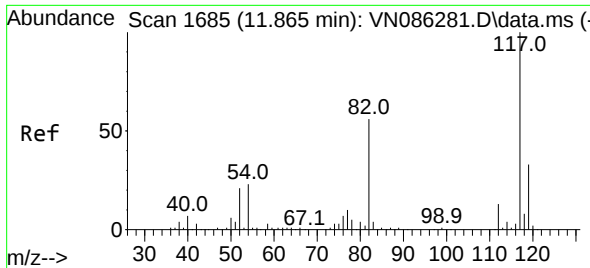
Tgt Ion: 43 Resp: 17692
Ion Ratio Lower Upper
43 100
58 49.4 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 48.591 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion: 95 Resp: 203939
Ion Ratio Lower Upper
95 100
174 73.8 0.0 133.4
176 70.2 0.0 129.2

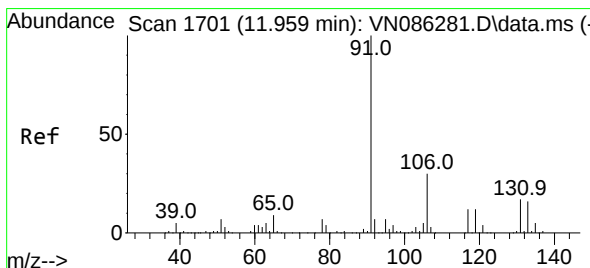
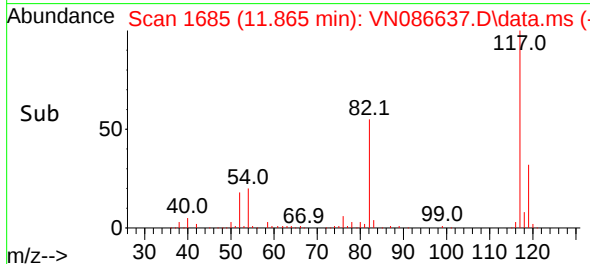
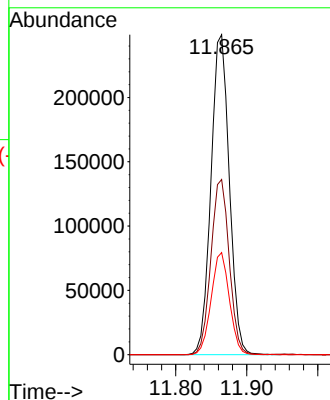
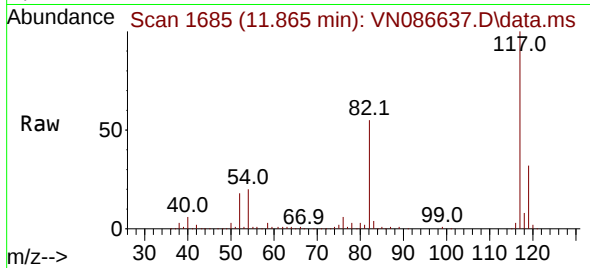




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

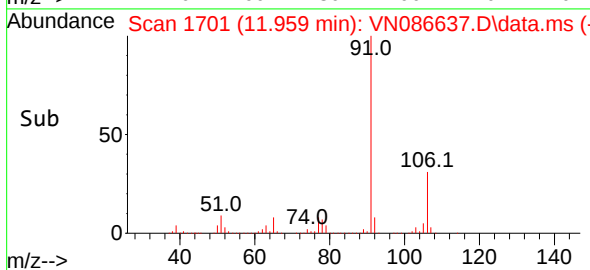
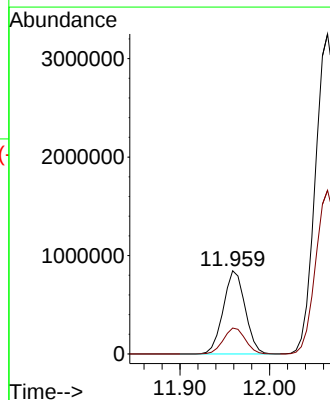
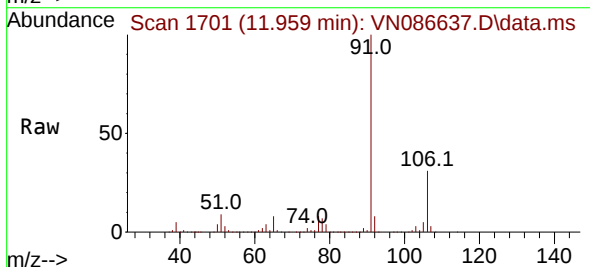
Instrument :
MSVOA_N
ClientSampleId :
SILICA-GEL

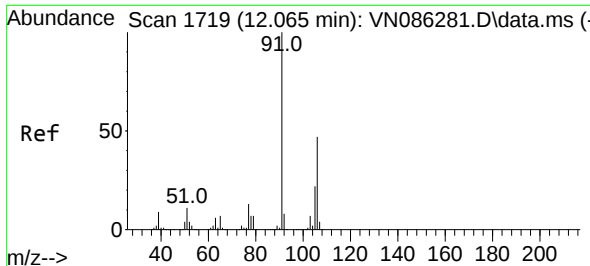
Tgt Ion:117 Resp: 445563
Ion Ratio Lower Upper
117 100
82 54.7 44.7 67.1
119 31.9 26.4 39.6



#67
Ethyl Benzene
Concen: 79.576 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion: 91 Resp: 1427851
Ion Ratio Lower Upper
91 100
106 31.1 24.3 36.5

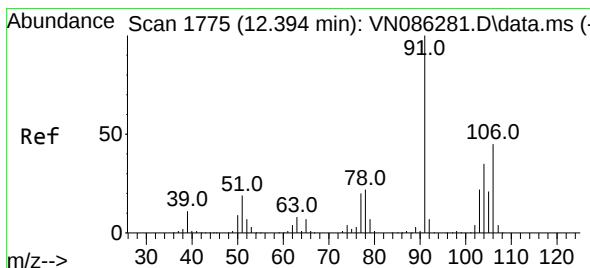
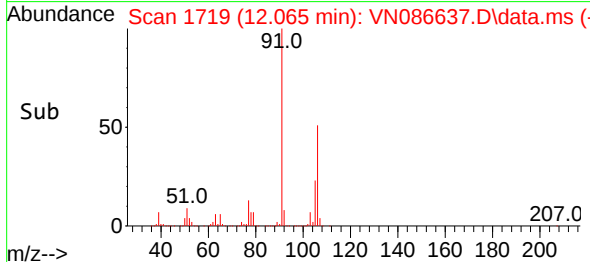
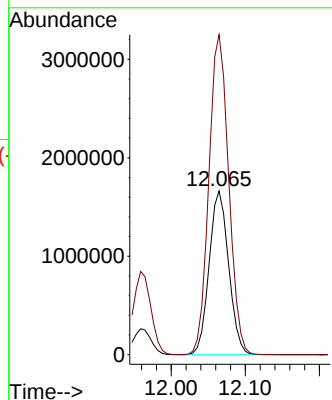
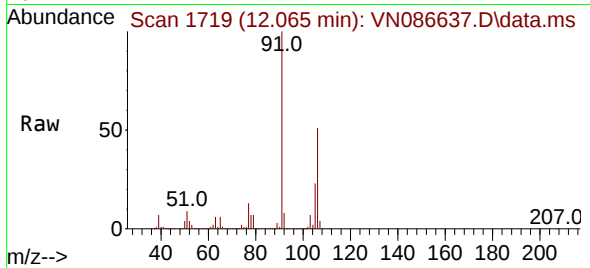




#68
m/p-Xylenes
Concen: 451.616 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

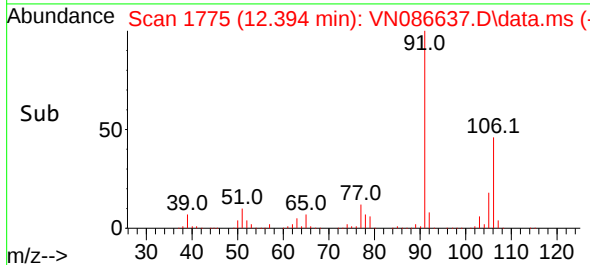
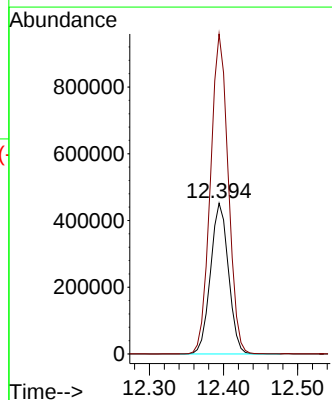
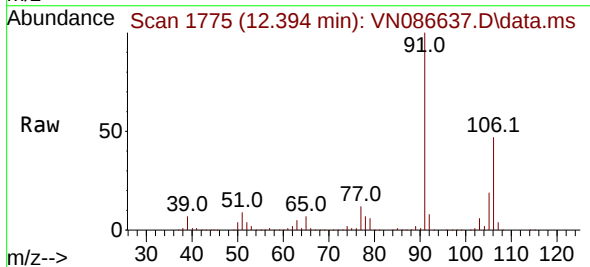
Instrument :
MSVOA_N
ClientSampleId :
SILICA-GEL

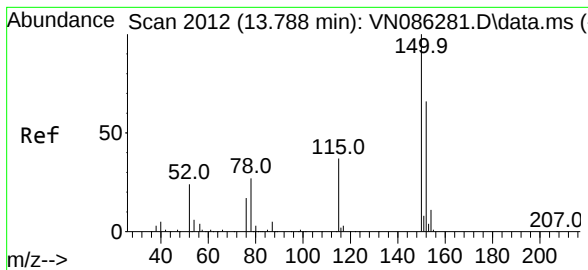
Tgt Ion:106 Resp: 3036335
Ion Ratio Lower Upper
106 100
91 198.6 166.5 249.7



#69
o-Xylene
Concen: 114.173 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion:106 Resp: 759129
Ion Ratio Lower Upper
106 100
91 211.0 109.7 329.0

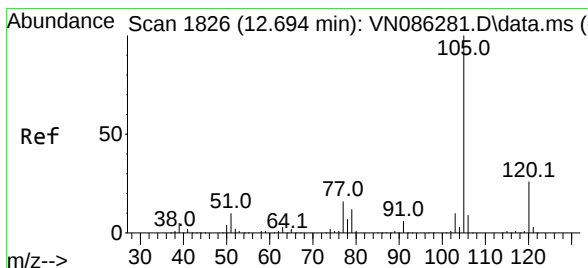
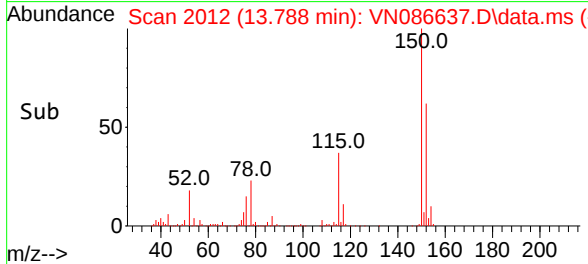
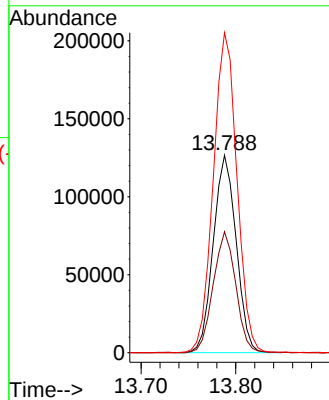
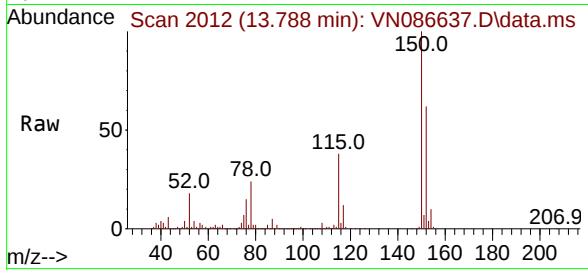




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

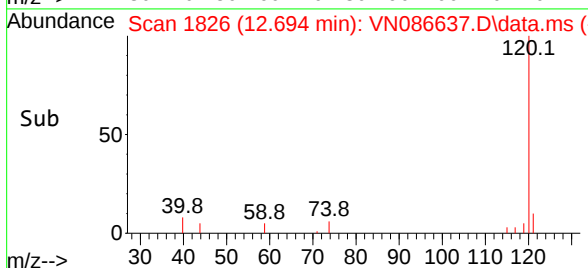
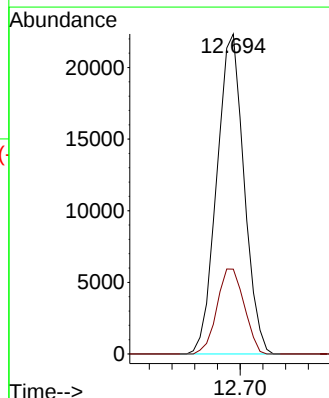
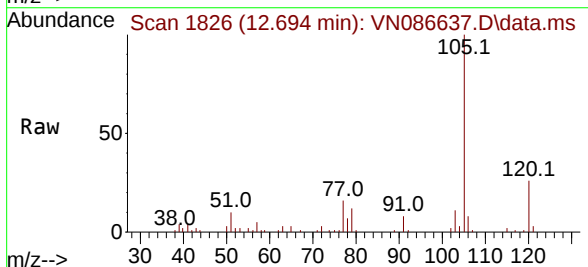
Instrument :
MSVOA_N
ClientSampleId :
SILICA-GEL

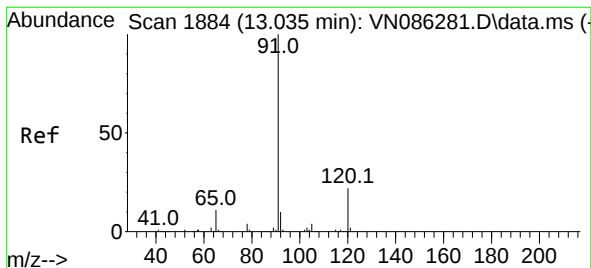
Tgt Ion:152 Resp: 212682
Ion Ratio Lower Upper
152 100
115 60.6 31.9 95.9
150 167.6 0.0 352.0



#73
Isopropylbenzene
Concen: 2.137 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086637.D
Acq: 15 May 2025 11:58

Tgt Ion:105 Resp: 37182
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3





#78

n-propylbenzene

Concen: 1.208 ug/l

RT: 13.035 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086637.D

Acq: 15 May 2025 11:58

Instrument :

MSVOA_N

ClientSampleId :

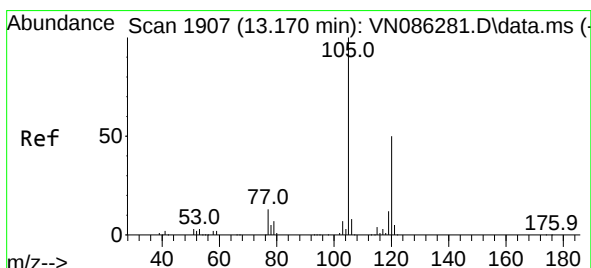
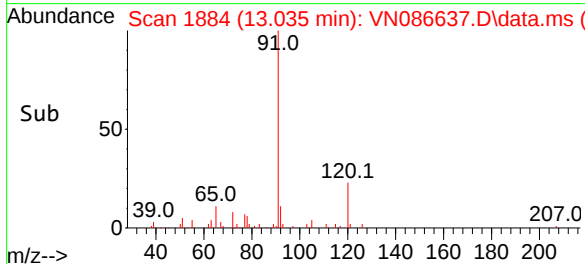
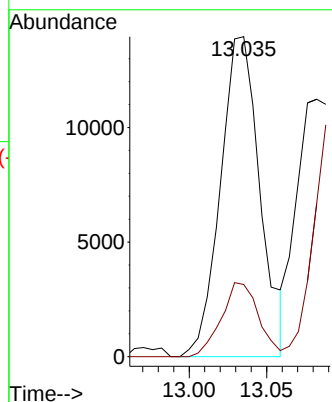
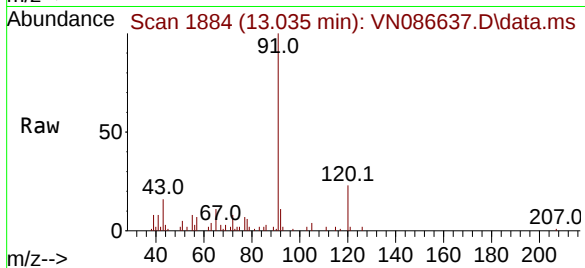
SILICA-GEL

Tgt Ion: 91 Resp: 24771

Ion Ratio Lower Upper

91 100

120 21.7 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 2.800 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086637.D

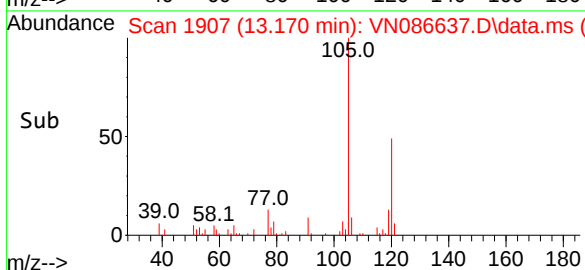
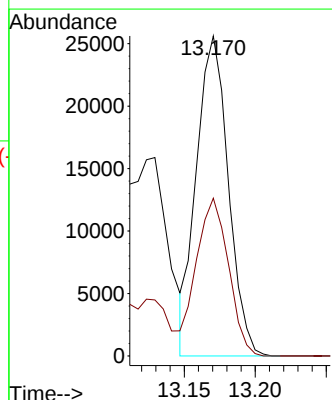
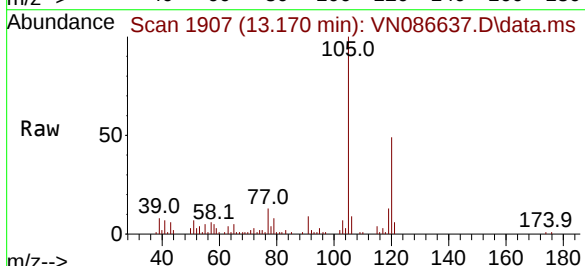
Acq: 15 May 2025 11:58

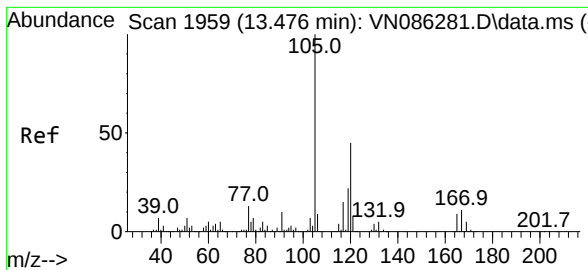
Tgt Ion: 105 Resp: 39866

Ion Ratio Lower Upper

105 100

120 51.4 24.5 73.5





#84
 1,2,4-Trimethylbenzene
 Concen: 4.959 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086637.D
 Acq: 15 May 2025 11:58

Instrument :
 MSVOA_N
 ClientSampleId :
 SILICA-GEL

Tgt Ion:105 Resp: 71872
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.4 67.3

