

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010725\
 Data File : VN085397.D
 Acq On : 07 Jan 2025 13:52
 Operator : JC\MD
 Sample : Q1013-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35TH AVE (JAN)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/08/2025
 Supervised By : Mahesh Dadoda 01/08/2025

Quant Time: Jan 08 04:18:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	26801	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	128547	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	125648	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	70254	29.798	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.333%		
60) 4-Bromofluorobenzene	12.847	95	51828	25.465	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	84.867%		
63) Toluene-d8	10.559	98	168191	27.413	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	91.367%		
Target Compounds						
15) Acetone	4.430	58	14064	58.299	ug/l	Qvalue 74
16) Carbon Disulfide	4.718	76	9524m	1.892	ug/l	
30) 2-Butanone	7.483	43	11509	9.769	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	9431	3.703	ug/l #	89
62) Toluene	10.624	91	615594	79.747	ug/l	99
67) m/p-Xylenes	12.059	106	1260	0.413	ug/l	86
68) o-Xylene	12.388	106	635	0.219	ug/l	92
80) 1,2,4-Trimethylbenzene	13.476	105	5252	0.848	ug/l	95
82) p-Isopropyltoluene	13.723	119	6766	1.119	ug/l	90
91) Naphthalene	15.635	128	3610	0.743	ug/l #	86

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

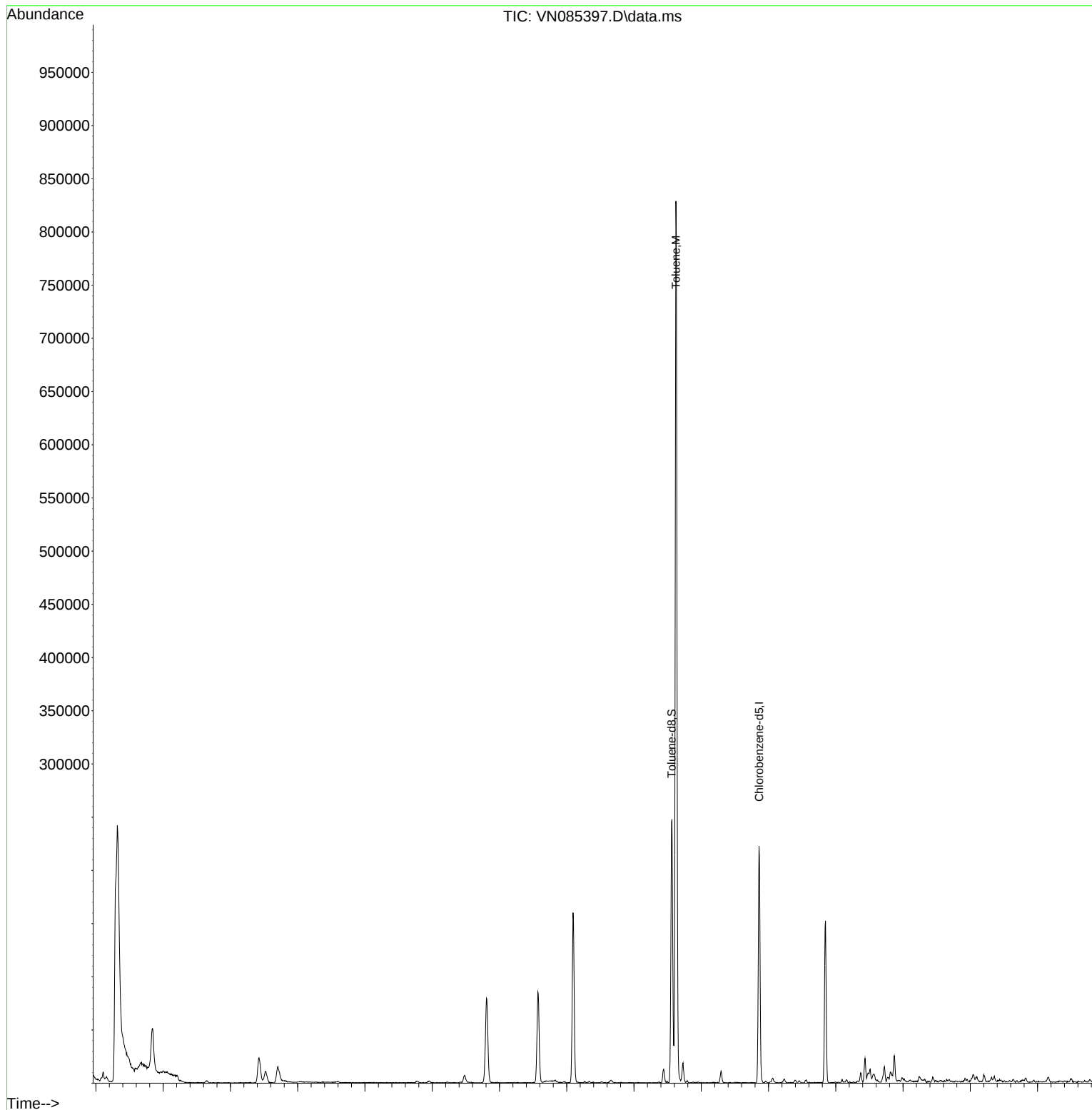
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010725\
Data File : VN085397.D
Acq On : 07 Jan 2025 13:52
Operator : JC\MD
Sample : Q1013-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

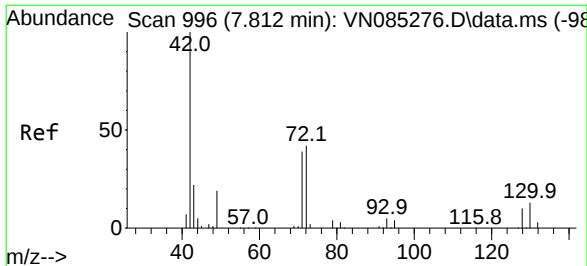
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (JAN)

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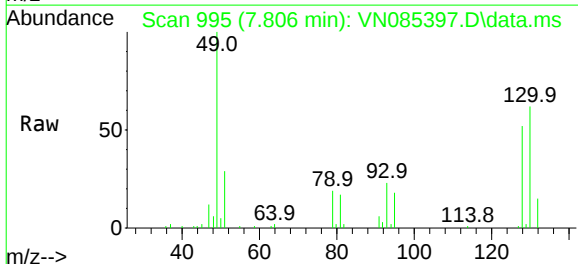
Quant Time: Jan 08 04:18:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

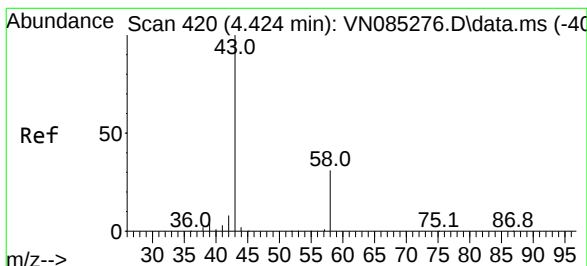
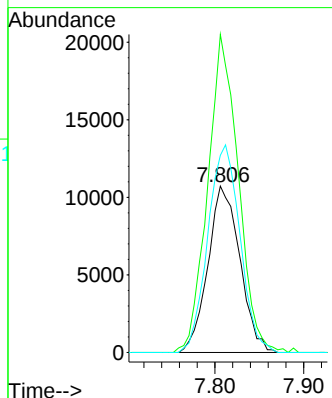
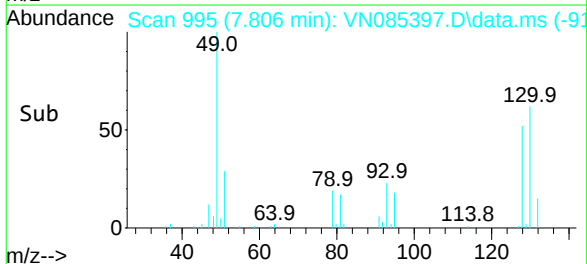
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (JAN)



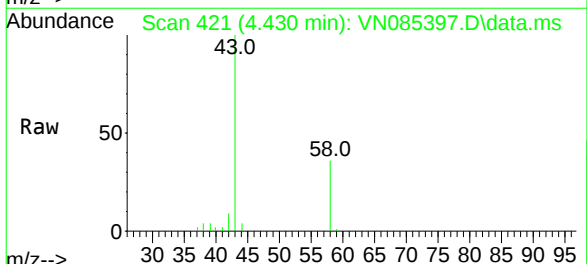
Tgt Ion:128 Resp: 26801
Ion Ratio Lower Upper
128 100
49 182.9 0.0 497.8
130 125.9 0.0 328.5

Manual Integrations
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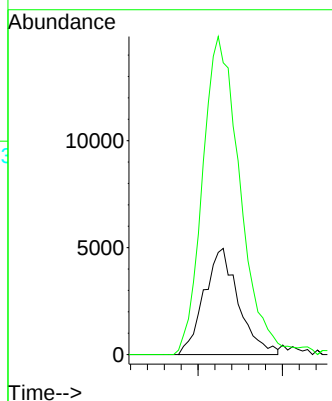
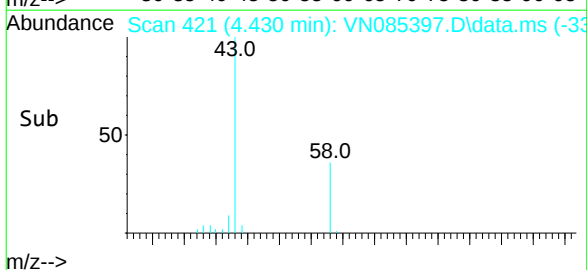
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025

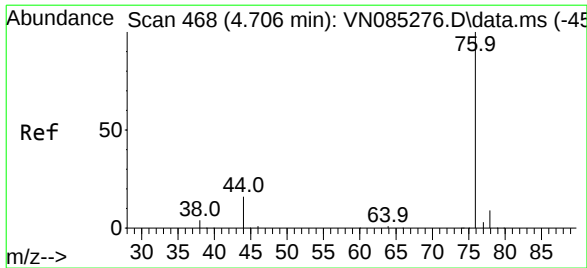


#15
Acetone
Concen: 58.299 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52



Tgt Ion: 58 Resp: 14064
Ion Ratio Lower Upper
58 100
43 270.6 258.8 388.2





#16

Carbon Disulfide

Concen: 1.892 ug/l m

RT: 4.718 min Scan# 47

Delta R.T. 0.006 min

Lab File: VN085397.D

Acq: 07 Jan 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

002 35TH AVE (JAN)

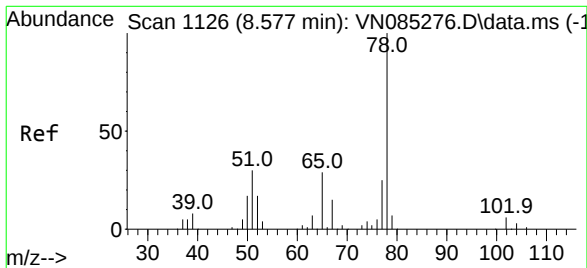
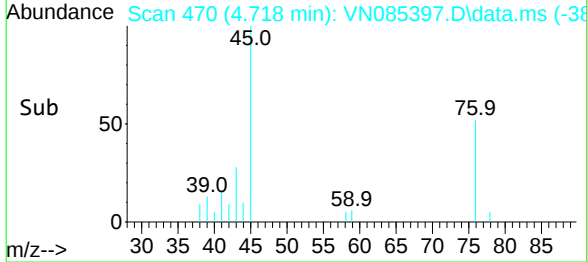
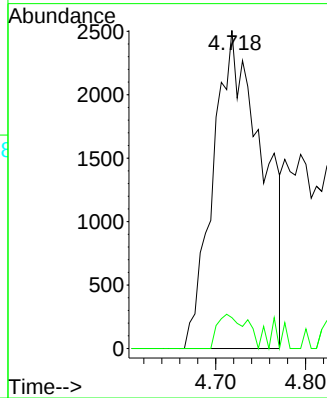
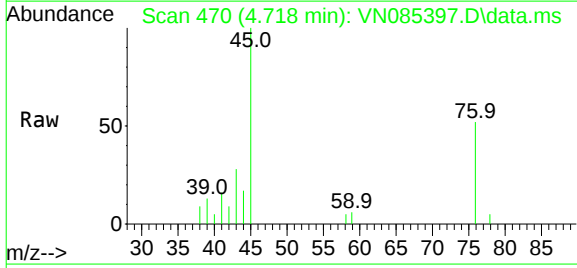
Tgt Ion: 76 Resp: 9524
 Ion Ratio Lower Upper
 76 100
 78 9.7 6.6 9.8

Manual Integrations

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Supervised By :Mahesh Dadoda 01/08/2025



#27

1,2-Dichloroethane-d4

Concen: 29.798 ug/l

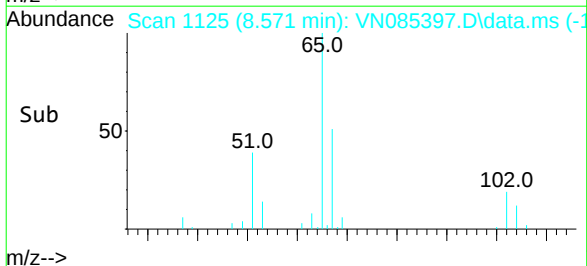
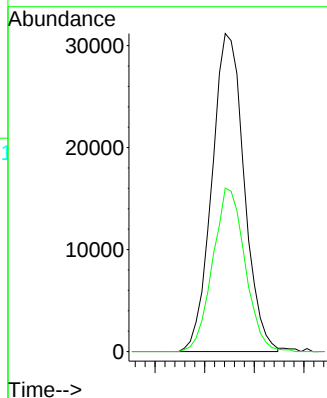
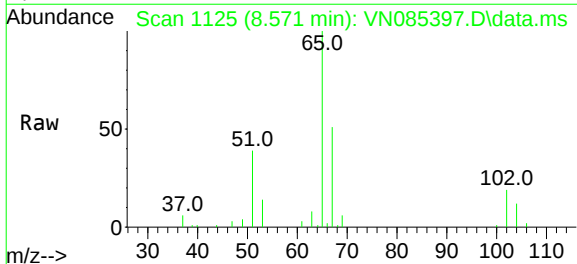
RT: 8.571 min Scan# 1125

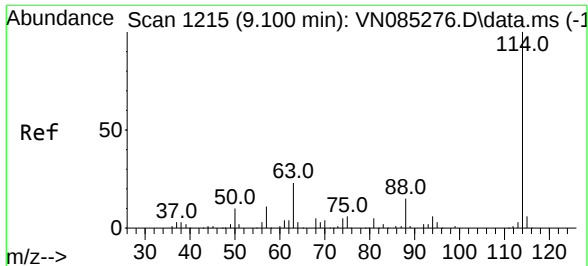
Delta R.T. -0.006 min

Lab File: VN085397.D

Acq: 07 Jan 2025 13:52

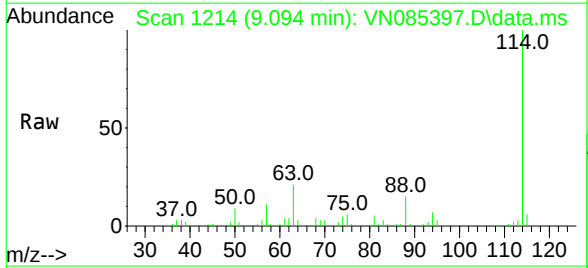
Tgt Ion: 65 Resp: 70254
 Ion Ratio Lower Upper
 65 100
 67 51.6 42.0 63.0





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1215
Delta R.T. -0.006 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

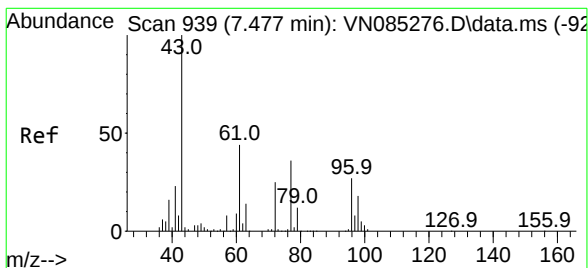
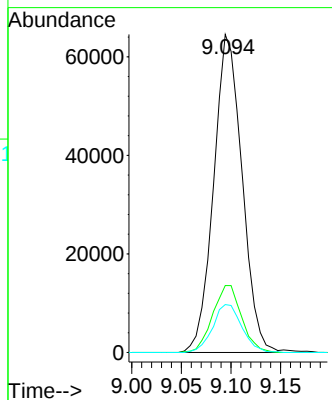
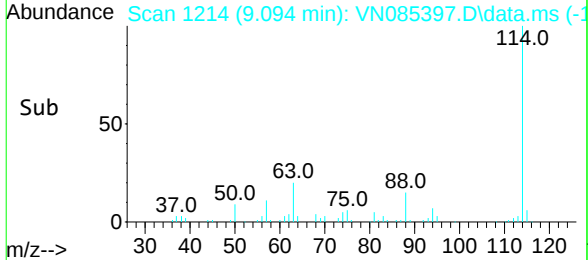
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (JAN)



Tgt Ion:	114	Resp:	128547
Ion	Ratio	Lower	Upper
114	100		
63	21.4	18.0	27.0
88	15.5	12.9	19.3

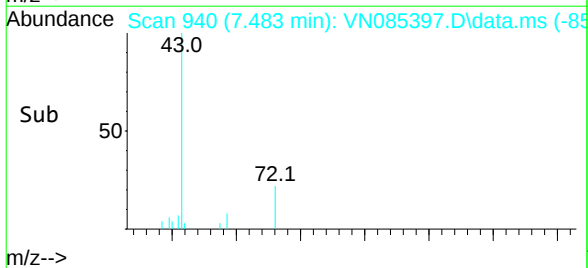
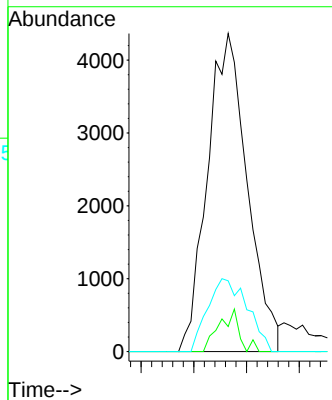
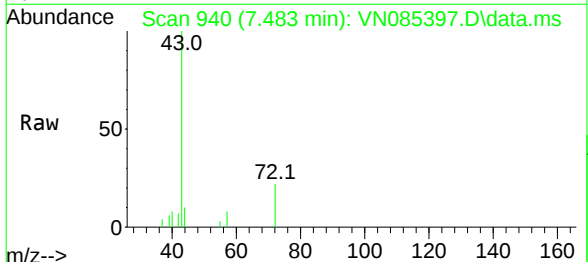
Manual Integrations
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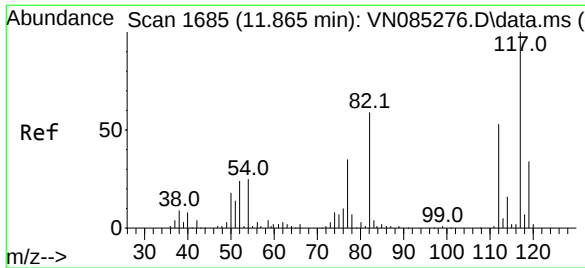
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#30
2-Butanone
Concen: 9.769 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

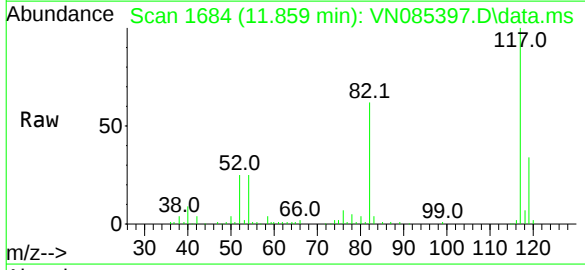
Tgt Ion:	43	Resp:	11509
Ion	Ratio	Lower	Upper
43	100		
57	6.3	6.2	9.2
72	22.8	19.9	29.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.859 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

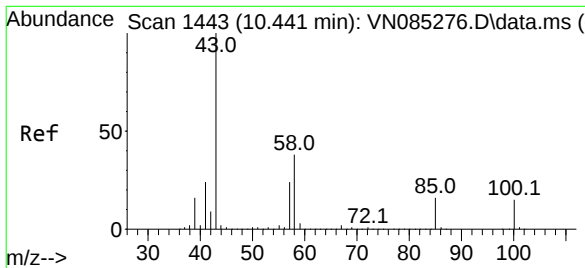
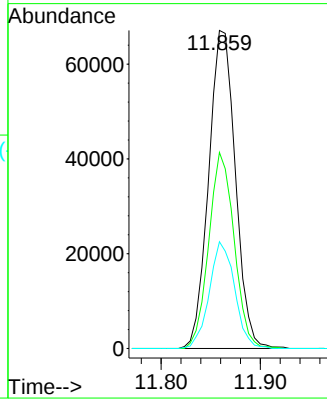
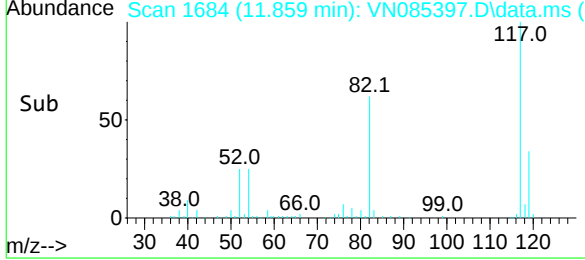
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (JAN)



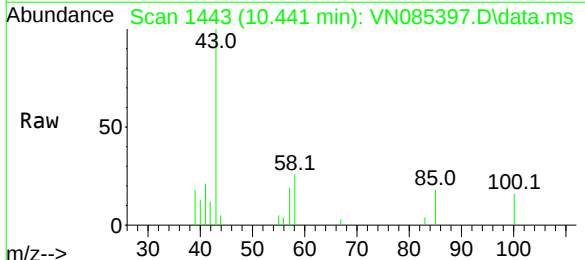
Tgt Ion: 117 Resp: 125648
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.0
119 31.9 25.3 37.9

Manual Integrations
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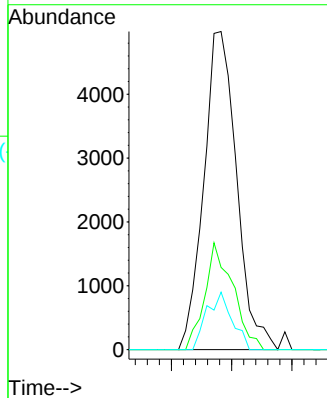
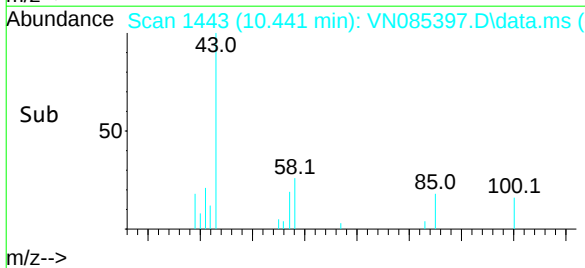
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025

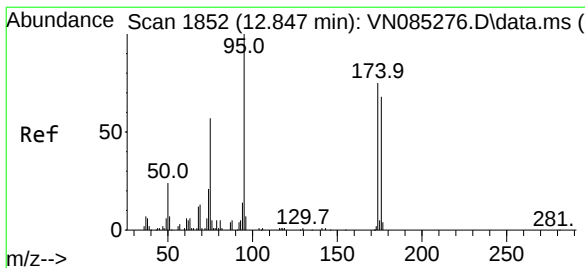


#58
4-Methyl-2-Pentanone
Concen: 3.703 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52



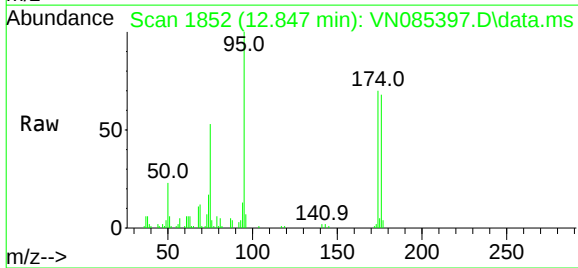
Tgt Ion: 43 Resp: 9431
Ion Ratio Lower Upper
43 100
58 28.7 29.2 43.8#
85 13.9 12.8 19.2





#60
4-Bromofluorobenzene
Concen: 25.465 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

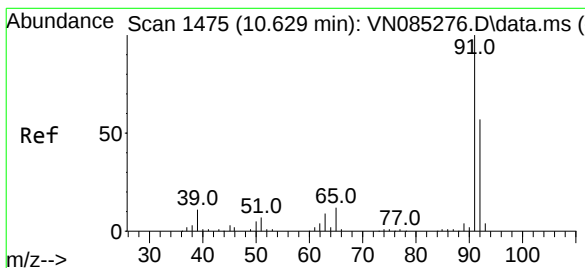
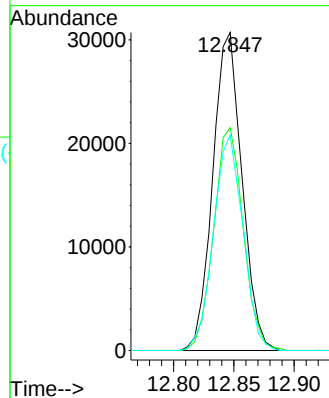
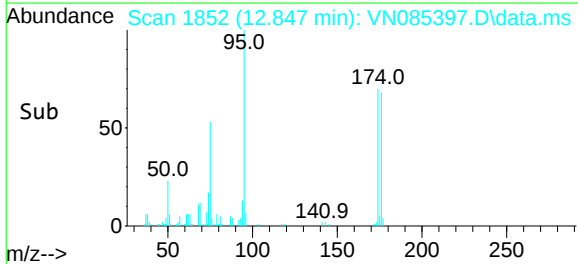
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (JAN)



Tgt Ion: 95 Resp: 51828
Ion Ratio Lower Upper
95 100
174 70.9 57.8 86.8
176 68.5 57.1 85.7

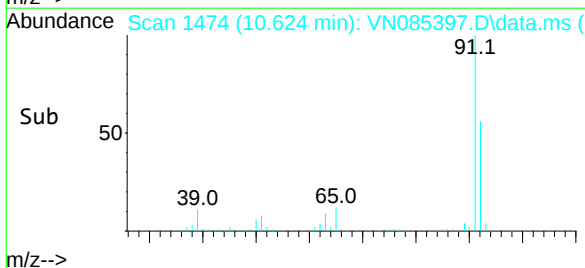
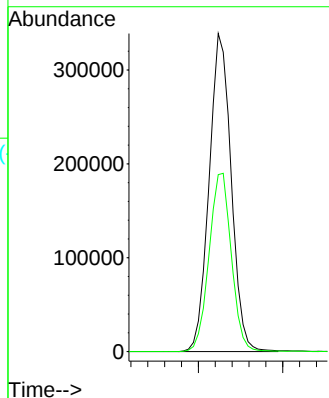
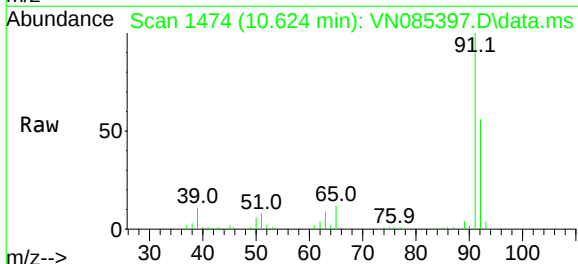
Manual Integrations
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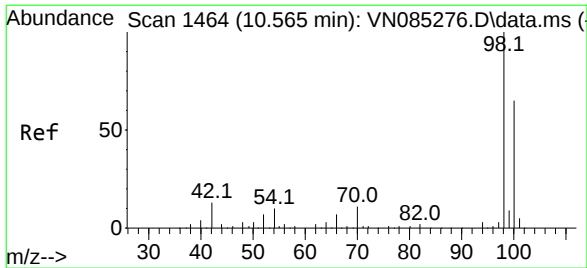
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#62
Toluene
Concen: 79.747 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

Tgt Ion: 91 Resp: 615594
Ion Ratio Lower Upper
91 100
92 56.7 45.9 68.9





#63

Toluene-d8

Concen: 27.413 ug/l

RT: 10.559 min Scan# 14

Delta R.T. -0.006 min

Lab File: VN085397.D

Acq: 07 Jan 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

002 35TH AVE (JAN)

Tgt Ion: 98 Resp: 168191

Ion Ratio Lower Upper

98 100

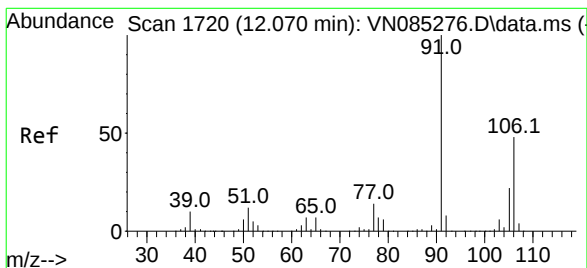
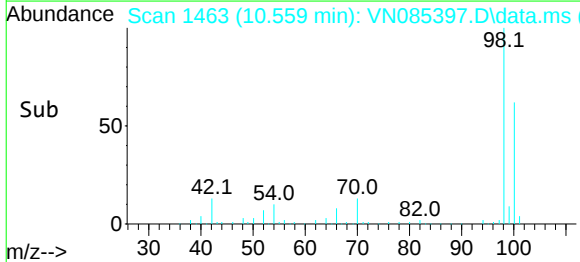
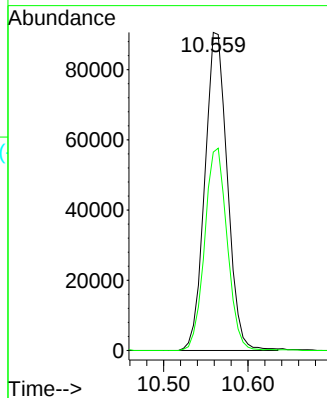
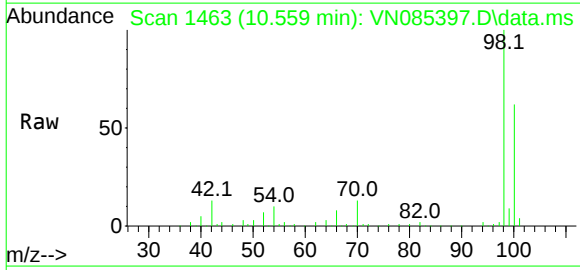
100 63.5 50.8 76.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/08/2025

Supervised By :Mahesh Dadoda 01/08/2025



#67

m/p-Xylenes

Concen: 0.413 ug/l

RT: 12.059 min Scan# 1718

Delta R.T. -0.012 min

Lab File: VN085397.D

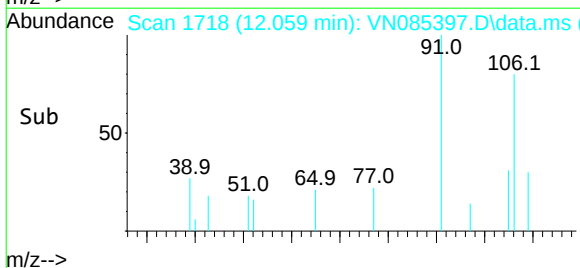
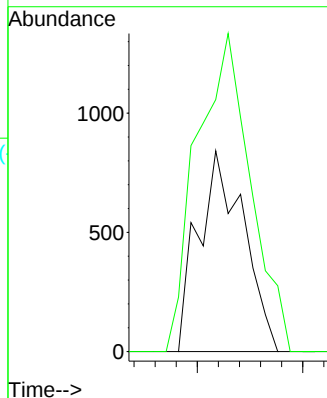
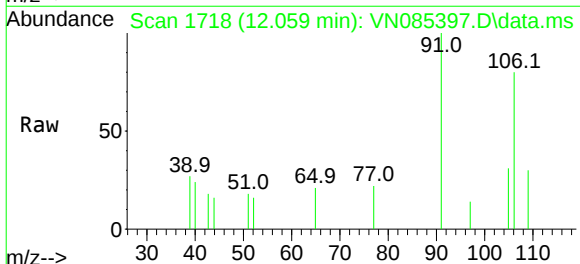
Acq: 07 Jan 2025 13:52

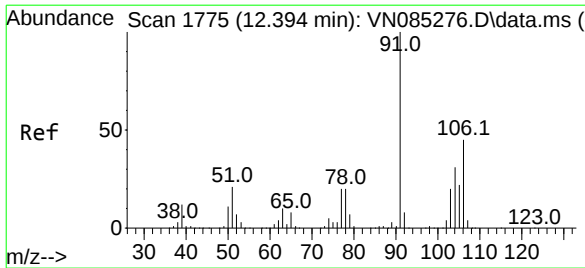
Tgt Ion:106 Resp: 1260

Ion Ratio Lower Upper

106 100

91 187.4 167.0 250.4





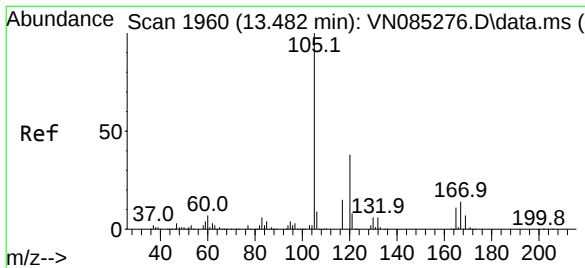
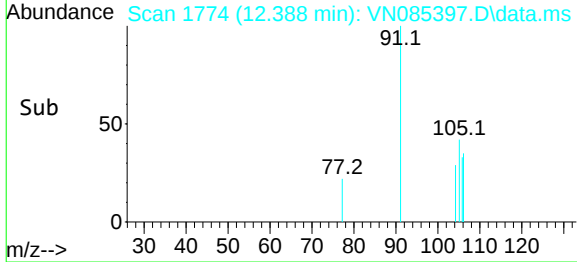
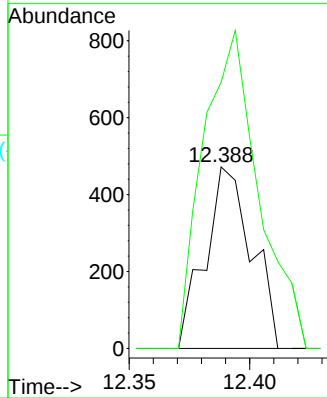
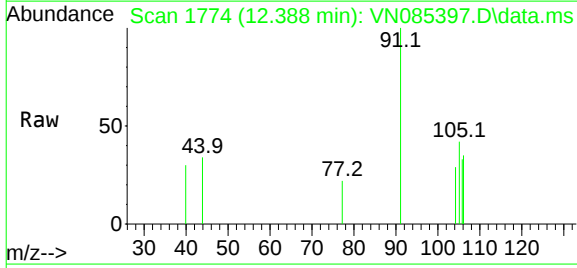
#68
o-Xylene
Concen: 0.219 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (JAN)

Tgt Ion:106 Resp: 635
Ion Ratio Lower Upper
106 100
91 208.2 110.6 331.8

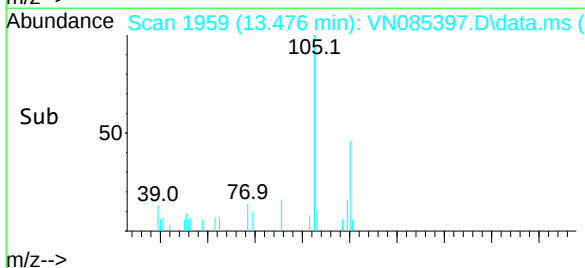
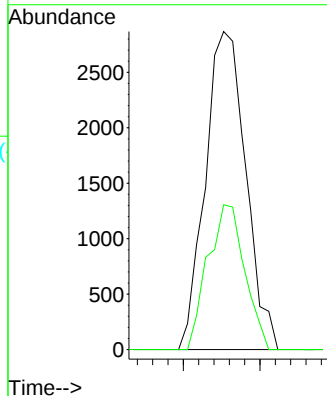
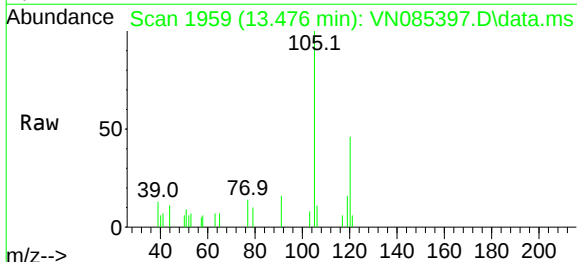
Manual Integrations
APPROVED

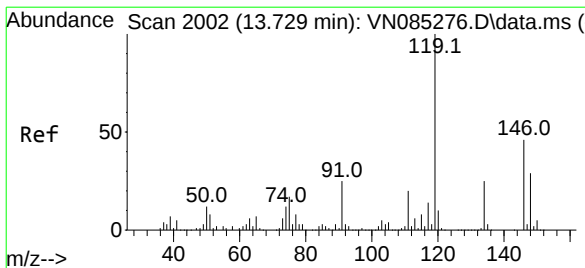
Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#80
1,2,4-Trimethylbenzene
Concen: 0.848 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

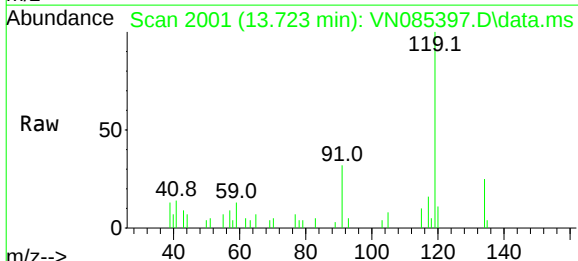
Tgt Ion:105 Resp: 5252
Ion Ratio Lower Upper
105 100
120 41.5 0.0 89.8





#82
p-Isopropyltoluene
Concen: 1.119 ug/l
RT: 13.723 min Scan# 2002
Delta R.T. -0.006 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

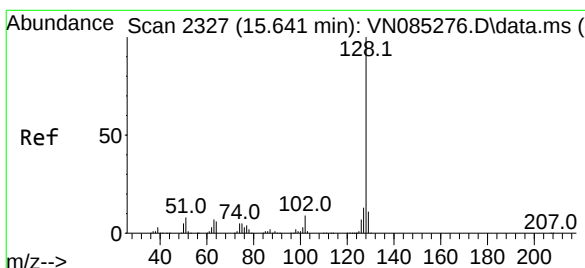
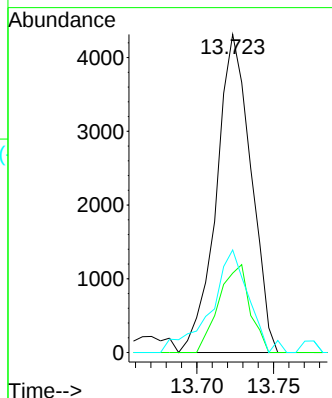
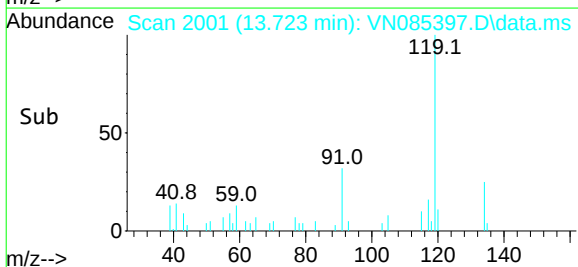
Instrument :
MSVOA_N
ClientSampleId :
002 35TH AVE (JAN)



Tgt Ion:119 Resp: 6766
Ion Ratio Lower Upper
119 100
134 24.8 0.0 51.4
91 34.4 0.0 51.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/08/2025
Supervised By :Mahesh Dadoda 01/08/2025



#91
Naphthalene
Concen: 0.743 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085397.D
Acq: 07 Jan 2025 13:52

Tgt Ion:128 Resp: 3610
Ion Ratio Lower Upper
128 100
127 10.8 10.6 16.0
129 2.1 8.6 13.0#

