

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071725\
 Data File : VN087342.D
 Acq On : 17 Jul 2025 13:36
 Operator : JC\MD
 Sample : Q2620-01
 Misc : 1.00g/10.0mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GAS-BUR-25-0010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 01:23:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	4374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	12628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	4821	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.776	152	5826	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	7826	105.447	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 210.900%#			
35) Dibromofluoromethane	8.147	113	6576	75.493	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 150.980%#			
50) Toluene-d8	10.547	98	13490	43.415	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 86.820%			
62) 4-Bromofluorobenzene	12.841	95	5076	44.217	ug/l	0.01
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.440%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.553	142	3969m	83.313	ug/l	
16) Acetone	4.430	43	19713	566.491	ug/l #	85
17) Carbon Disulfide	4.653	76	10130	68.418	ug/l #	85
18) Methyl Acetate	5.006	43	4735	54.159	ug/l #	72
20) Methylene Chloride	5.247	84	1907m	32.190	ug/l	
39) Methylcyclohexane	9.576	83	1856	14.896	ug/l #	86
52) Toluene	10.612	92	88062	389.515	ug/l	97
67) Ethyl Benzene	11.947	91	5918	33.213	ug/l	92
68) m/p-Xylenes	12.053	106	7808	117.022	ug/l	80
69) o-Xylene	12.376	106	4852	76.128	ug/l	89
73) Isopropylbenzene	12.670	105	5347	14.582	ug/l	99
78) n-propylbenzene	13.017	91	18032	39.086	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	23112	73.978	ug/l	97
84) 1,2,4-Trimethylbenzene	13.464	105	89017	279.010	ug/l	99
85) sec-Butylbenzene	13.594	105	14953	38.045	ug/l	79
86) p-Isopropyltoluene	13.706	119	9393	29.821	ug/l	89
89) n-Butylbenzene	14.035	91	23425	77.886	ug/l #	76
95) Naphthalene	15.617	128	32749	89.007	ug/l	100

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

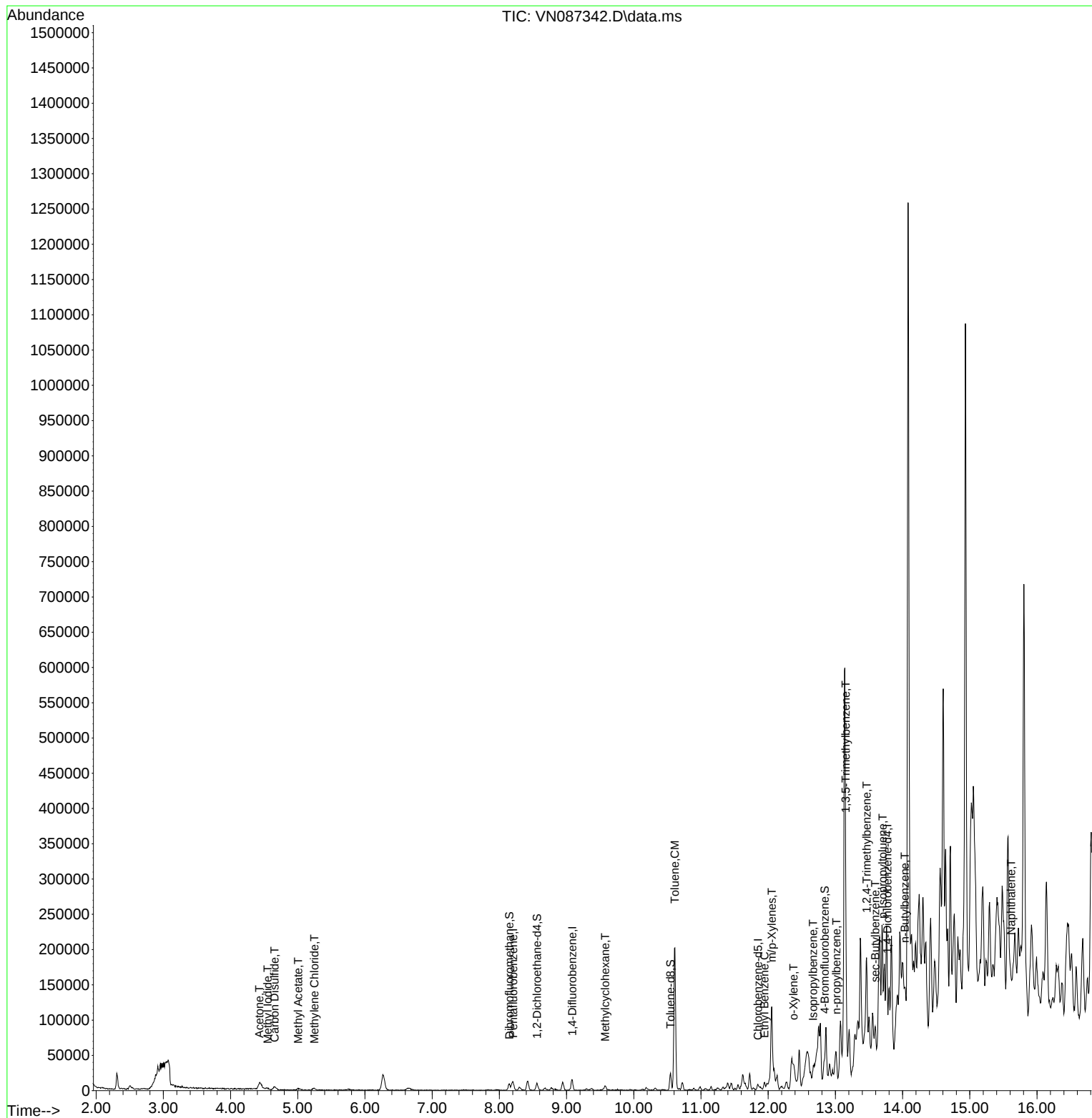
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071725\
Data File : VN087342.D
Acq On : 17 Jul 2025 13:36
Operator : JC\MD
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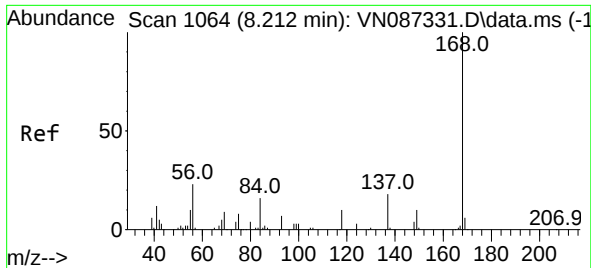
Instrument :
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ClientSampleId :
GAS-BUR-25-0010

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Supervised By :Semsettin Yesilyurt 07/21/2025

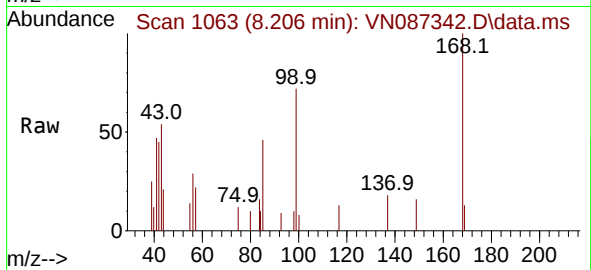
Quant Time: Jul 18 01:23:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

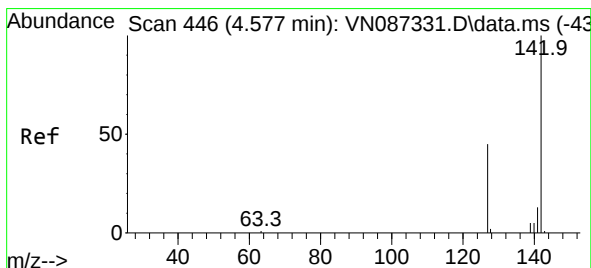
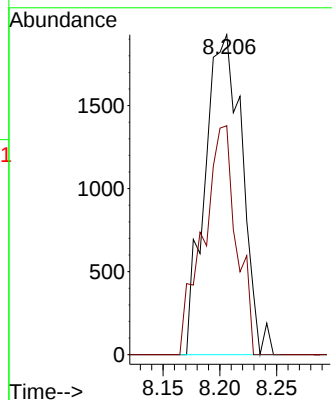
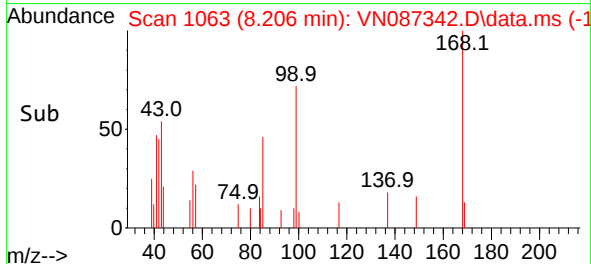
Instrument :
MSVOA_N
ClientSampleId :
GAS-BUR-25-0010



Tgt Ion:168 Resp: 4374
Ion Ratio Lower Upper
168 100
99 71.6 47.9 71.9

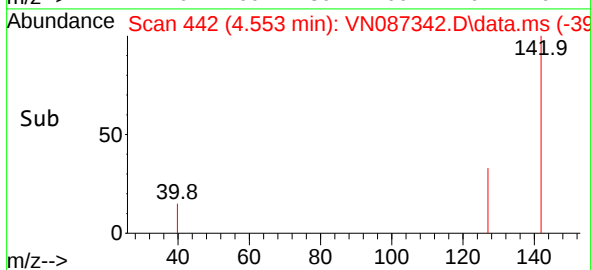
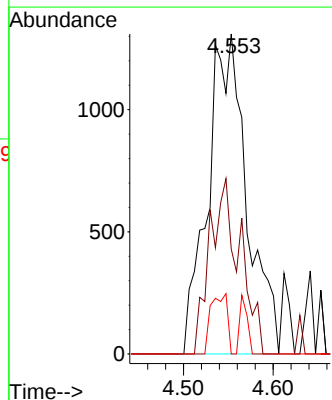
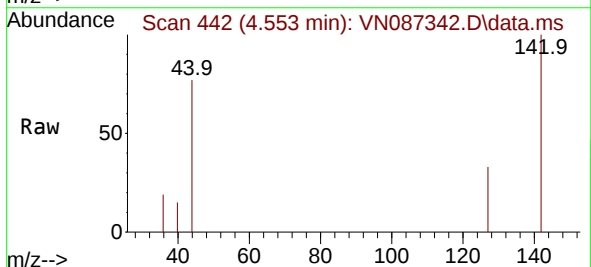
Manual Integrations
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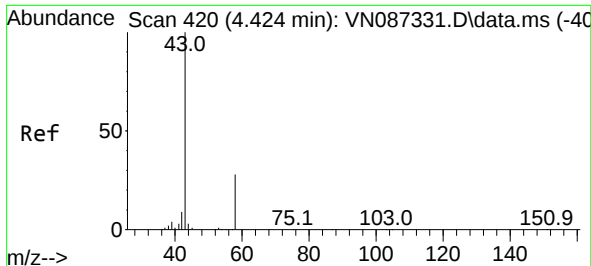
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#10
Methyl Iodide
Concen: 83.313 ug/l m
RT: 4.553 min Scan# 442
Delta R.T. -0.024 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

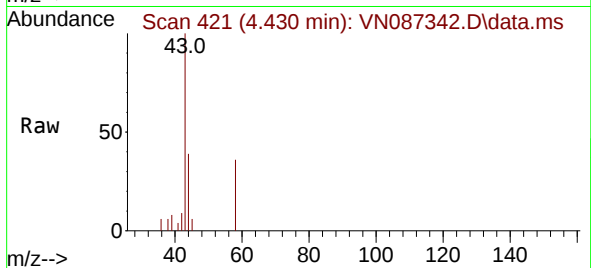
Tgt Ion:142 Resp: 3969
Ion Ratio Lower Upper
142 100
127 32.8 35.7 53.5#
141 0.0 10.4 15.6#





#16
Acetone
Concen: 566.491 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

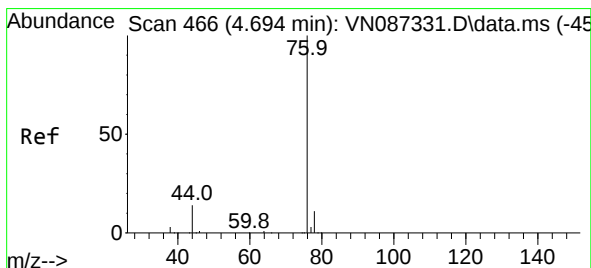
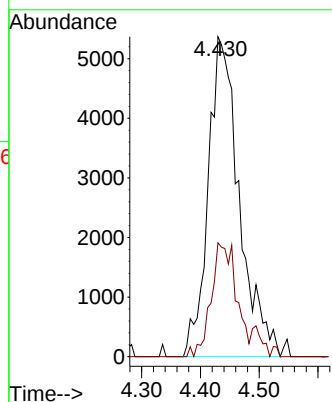
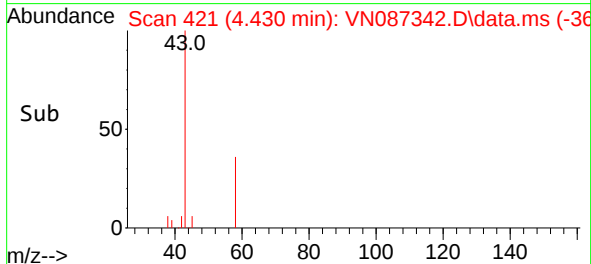
Instrument :
MSVOA_N
ClientSampleId :
GAS-BUR-25-0010



Tgt Ion: 43 Resp: 1971
Ion Ratio Lower Upper
43 100
58 35.6 22.3 33.5

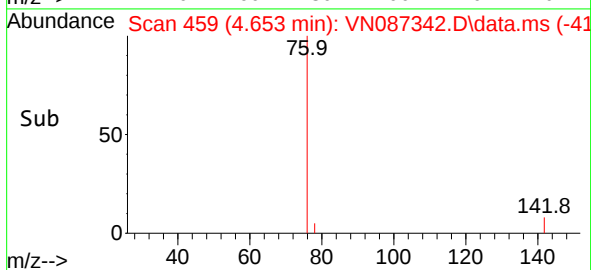
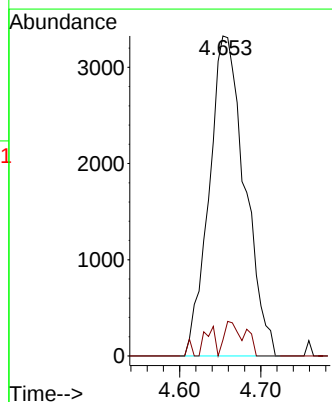
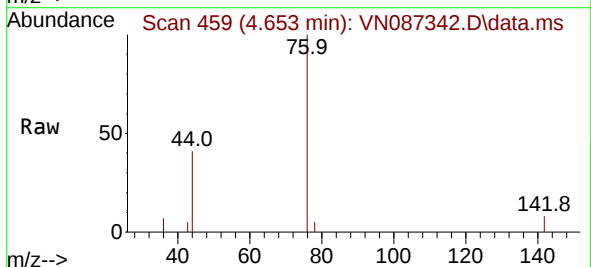
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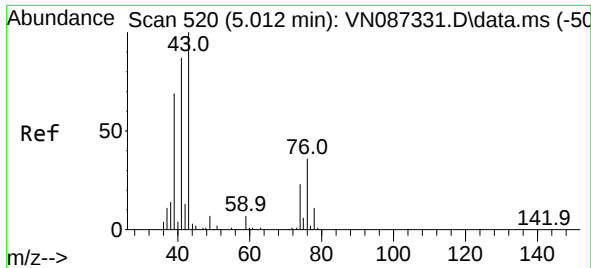
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#17
Carbon Disulfide
Concen: 68.418 ug/l
RT: 4.653 min Scan# 459
Delta R.T. -0.041 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

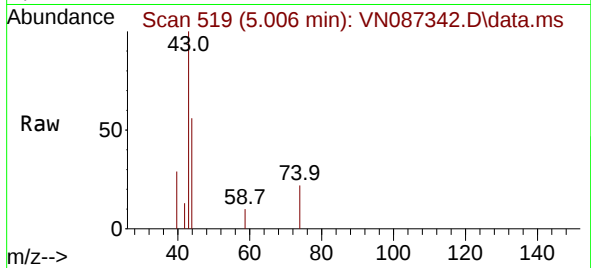
Tgt Ion: 76 Resp: 10130
Ion Ratio Lower Upper
76 100
78 5.0 8.6 13.0#





#18
Methyl Acetate
Concen: 54.159 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.006 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

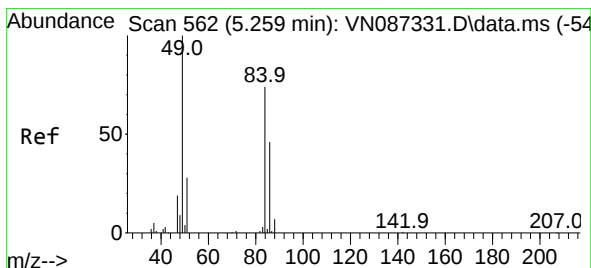
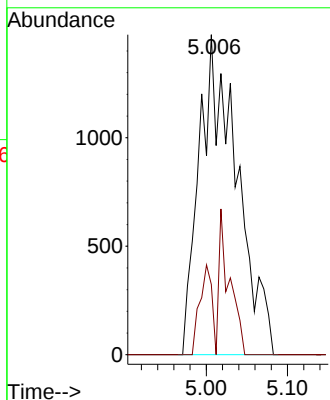
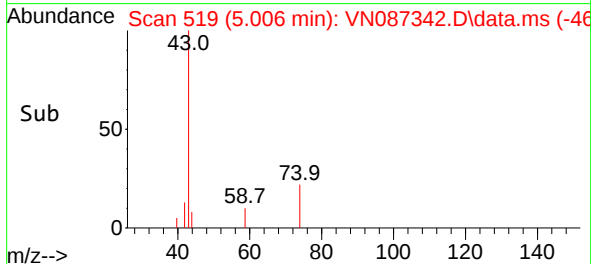
Instrument :
MSVOA_N
ClientSampleId :
GAS-BUR-25-0010



Tgt Ion: 43 Resp: 4738
Ion Ratio Lower Upper
43 100
74 9.0 17.8 26.6

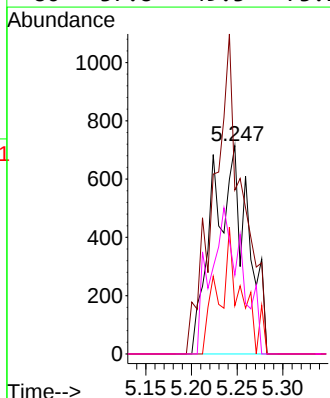
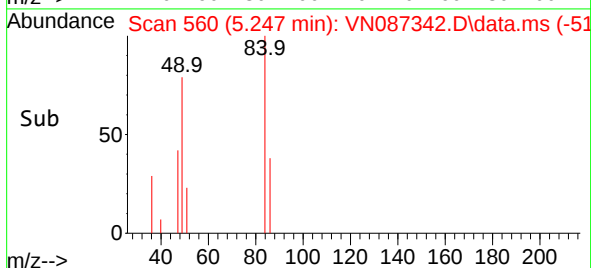
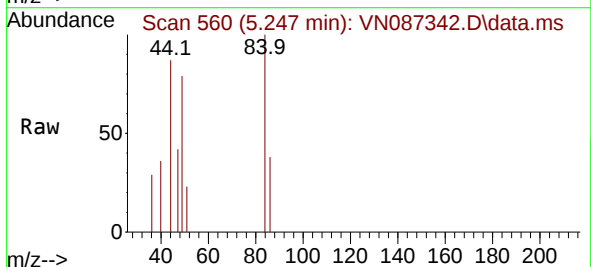
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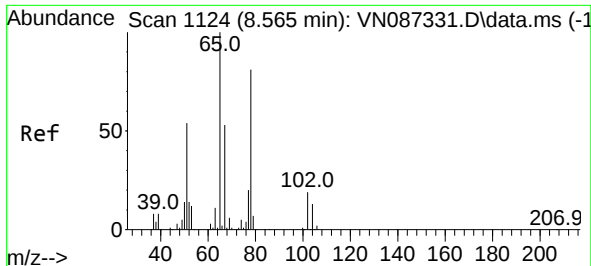
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#20
Methylene Chloride
Concen: 32.190 ug/l m
RT: 5.247 min Scan# 560
Delta R.T. -0.012 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

Tgt Ion: 84 Resp: 1907
Ion Ratio Lower Upper
84 100
49 78.6 107.5 161.3#
51 23.2 30.2 45.2#
86 37.8 49.3 73.9#





#33

1,2-Dichloroethane-d4

Concen: 105.447 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087342.D

Acq: 17 Jul 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

GAS-BUR-25-0010

Tgt Ion: 65 Resp: 7820

Ion Ratio Lower Upper

65 100

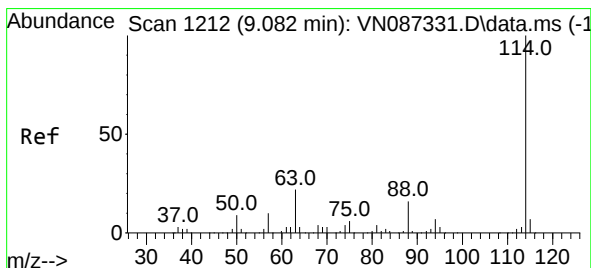
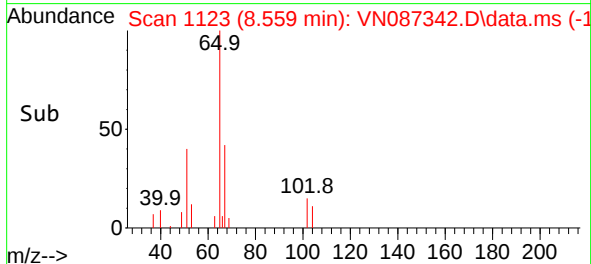
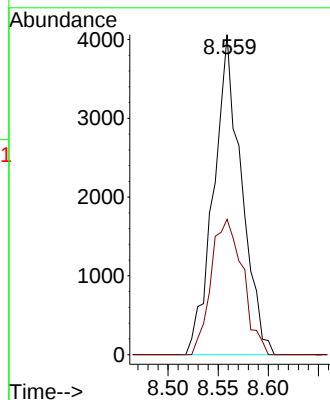
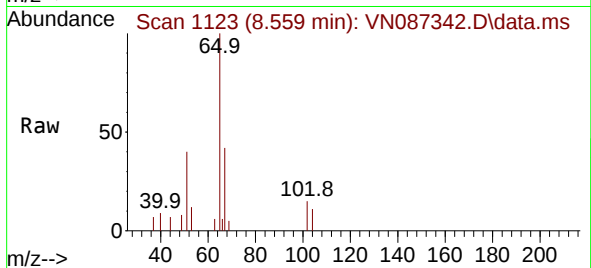
67 48.3 0.0 104.0

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/21/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087342.D

Acq: 17 Jul 2025 13:36

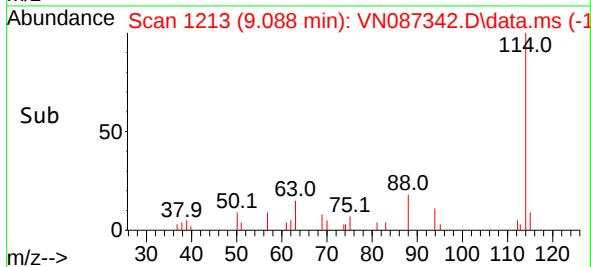
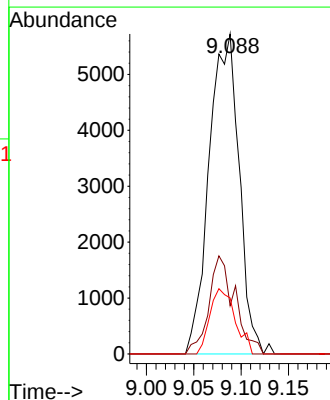
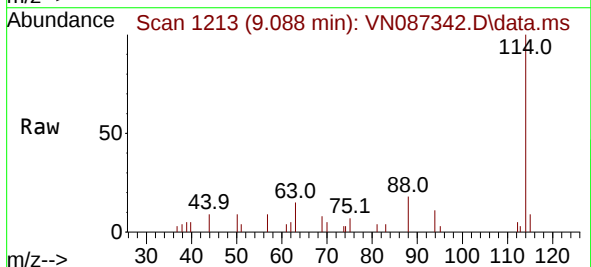
Tgt Ion:114 Resp: 12628

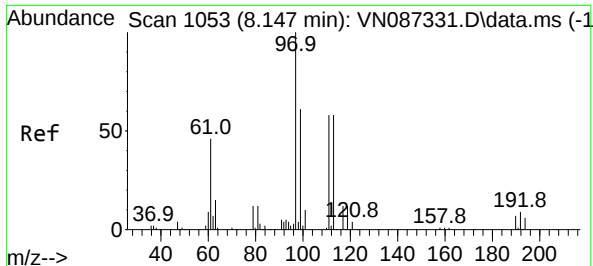
Ion Ratio Lower Upper

114 100

63 15.1 0.0 44.6

88 17.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 75.493 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087342.D

Acq: 17 Jul 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

GAS-BUR-25-0010

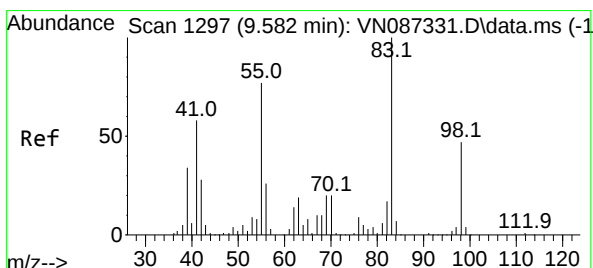
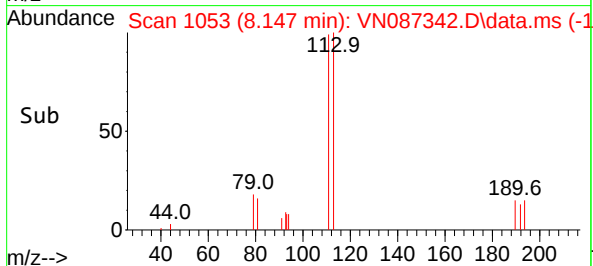
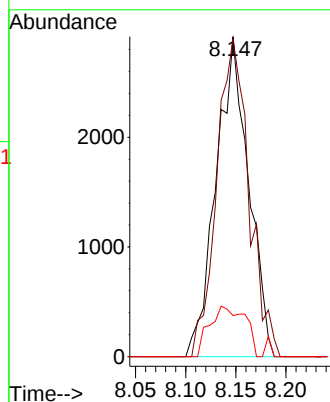
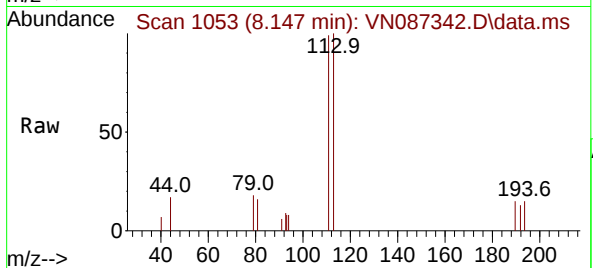
Tgt Ion: 113 Resp: 6570

Ion	Ratio	Lower	Upper
113	100		
111	99.1	82.5	123.7
192	17.3	13.7	20.5

Manual Integrations

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#39

Methylcyclohexane

Concen: 14.896 ug/l

RT: 9.576 min Scan# 1296

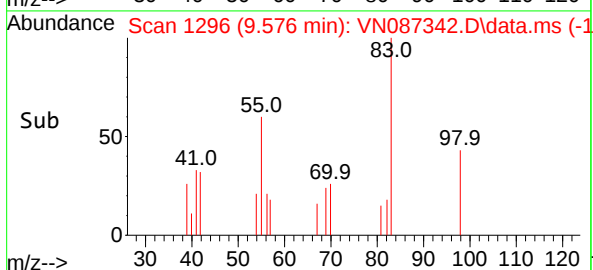
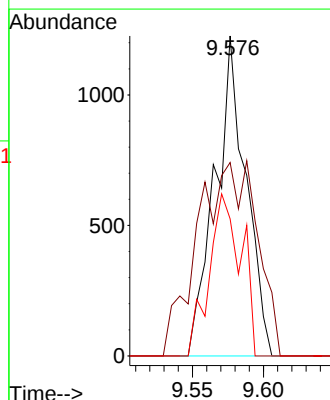
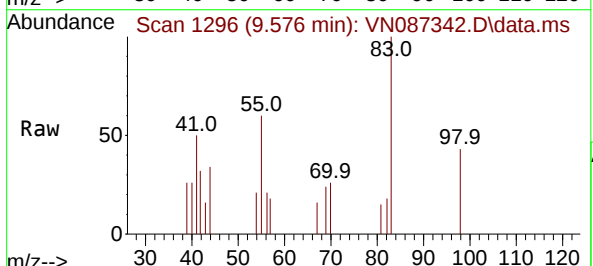
Delta R.T. -0.006 min

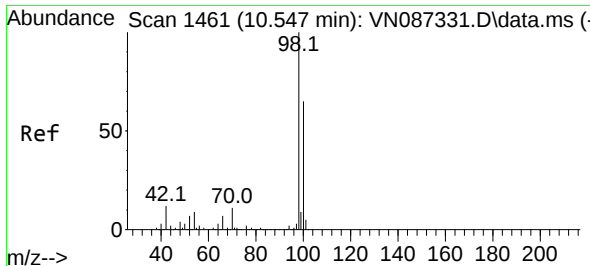
Lab File: VN087342.D

Acq: 17 Jul 2025 13:36

Tgt Ion: 83 Resp: 1856

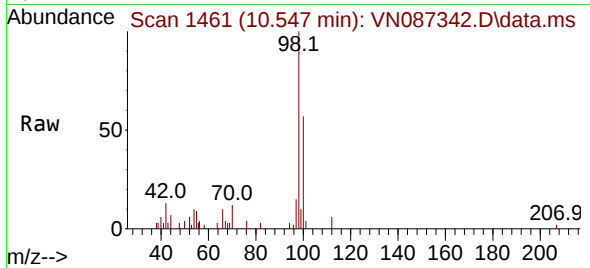
Ion	Ratio	Lower	Upper
83	100		
55	60.4	61.3	91.9#
98	42.8	37.9	56.9





#50
Toluene-d8
Concen: 43.415 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

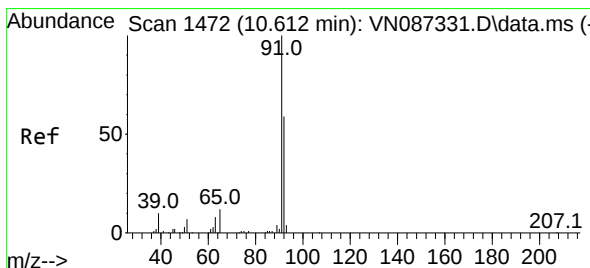
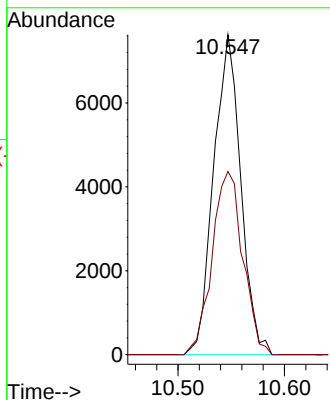
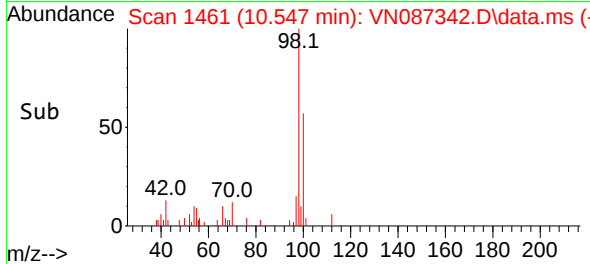
Instrument :
MSVOA_N
ClientSampleId :
GAS-BUR-25-0010



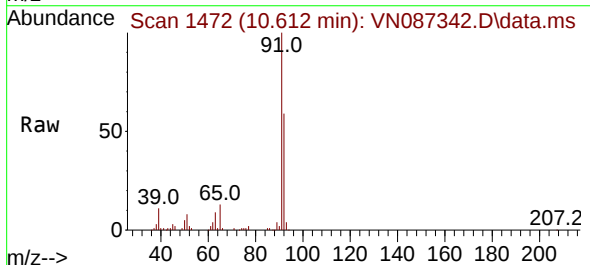
Tgt Ion: 98 Resp: 13490
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1

Manual Integrations
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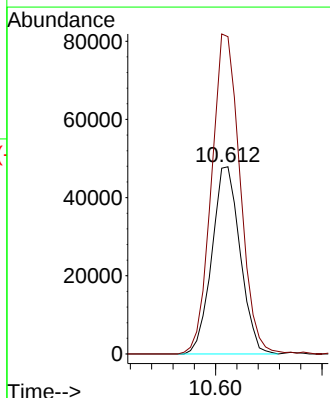
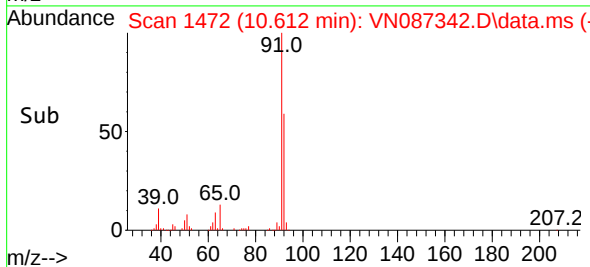
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

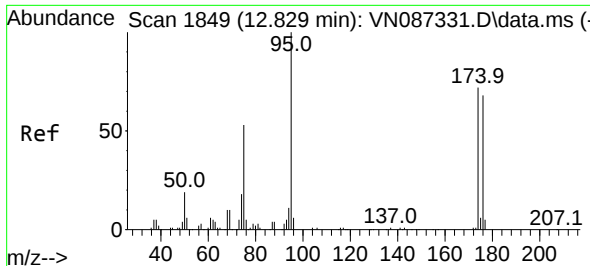


#52
Toluene
Concen: 389.515 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36



Tgt Ion: 92 Resp: 88062
Ion Ratio Lower Upper
92 100
91 173.6 135.1 202.7





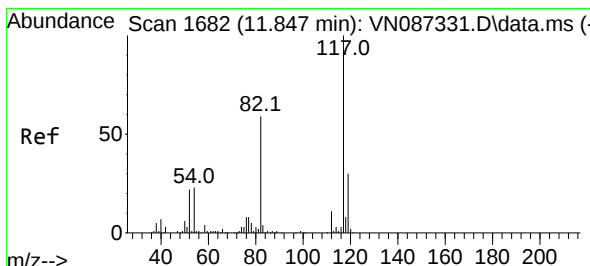
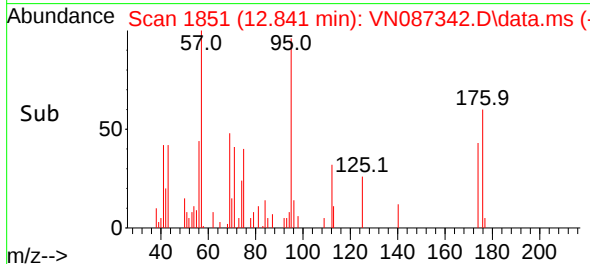
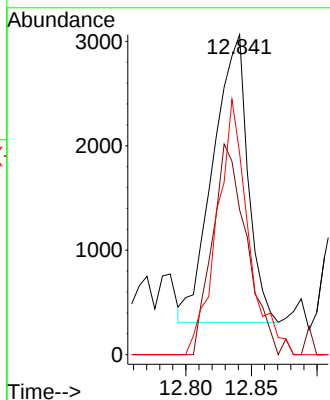
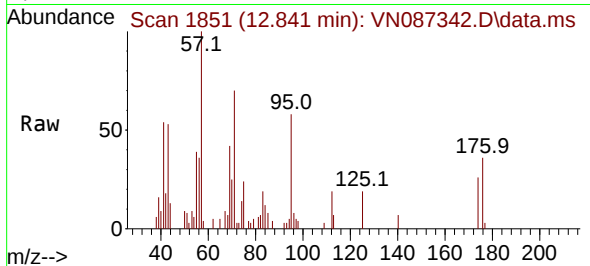
#62
4-Bromofluorobenzene
Concen: 44.217 ug/l
RT: 12.841 min Scan# 1849
Delta R.T. 0.012 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

Instrument :
MSVOA_N
ClientSampleId :
GAS-BUR-25-0010

Tgt Ion: 95 Resp: 5070
Ion Ratio Lower Upper
95 100
174 73.2 0.0 149.4
176 80.1 0.0 141.2

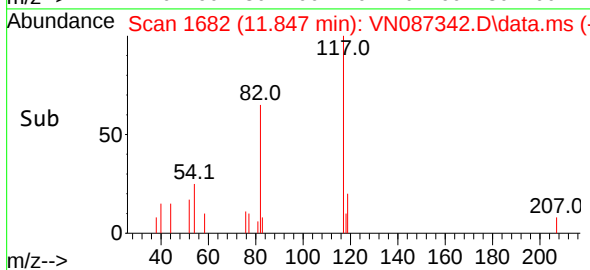
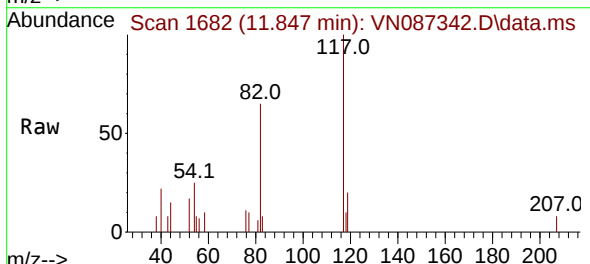
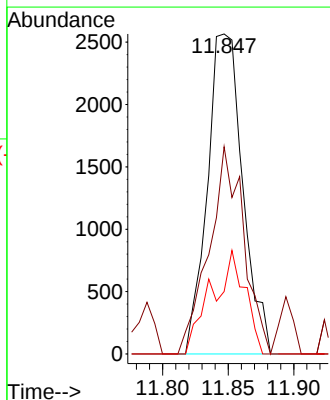
Manual Integrations
APPROVED

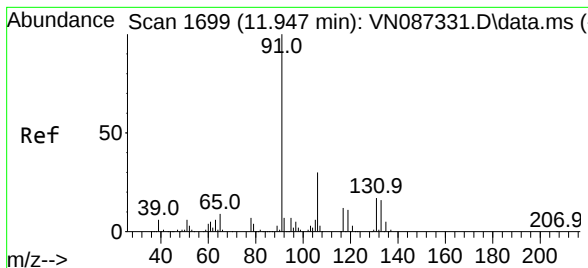
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

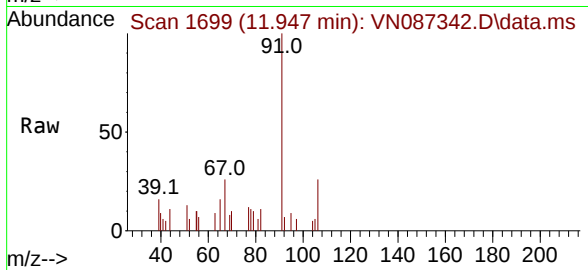
Tgt Ion:117 Resp: 4821
Ion Ratio Lower Upper
117 100
82 64.7 47.4 71.2
119 19.5 23.8 35.8#





#67
Ethyl Benzene
Concen: 33.213 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

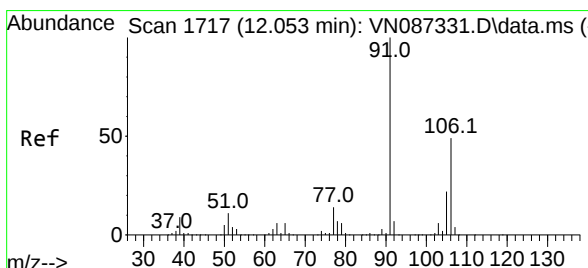
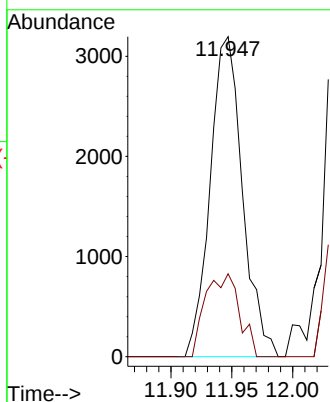
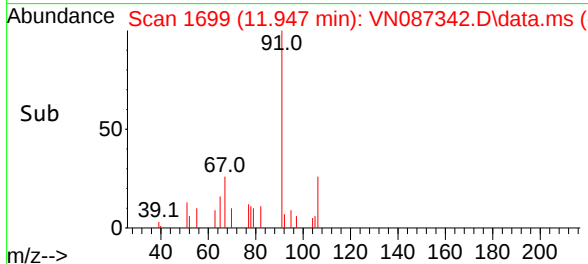
Instrument :
MSVOA_N
ClientSampleId :
GAS-BUR-25-0010



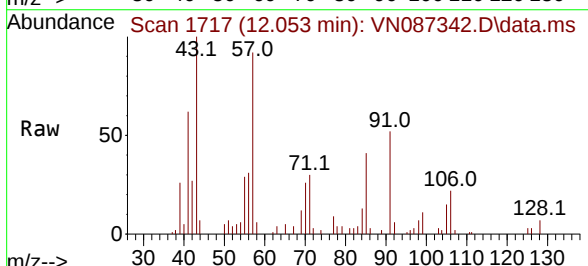
Tgt Ion: 91 Resp: 5918
Ion Ratio Lower Upper
91 100
106 25.9 24.3 36.5

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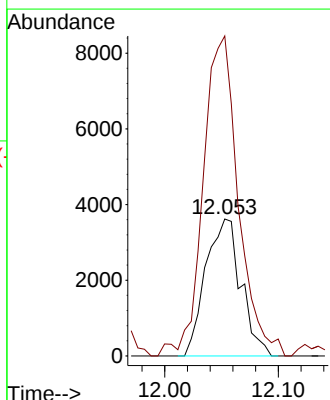
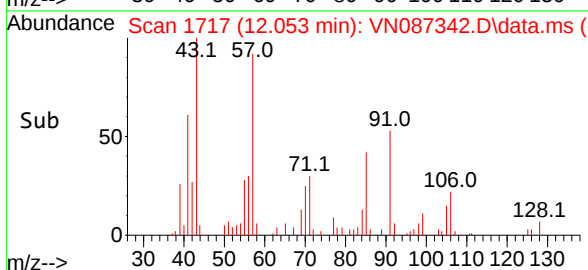
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

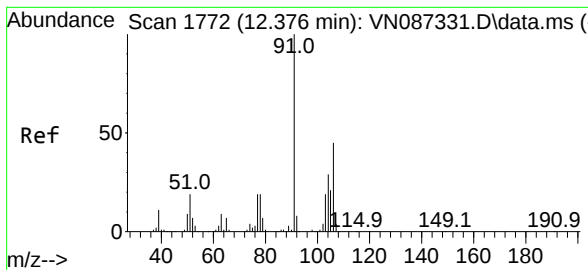


#68
m/p-Xylenes
Concen: 117.022 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36



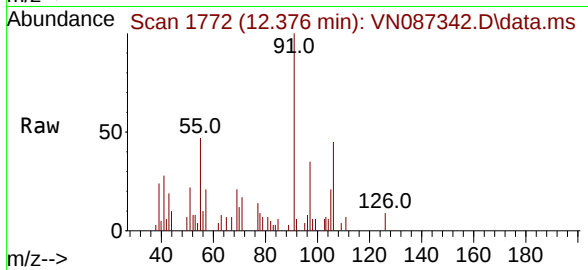
Tgt Ion:106 Resp: 7808
Ion Ratio Lower Upper
106 100
91 233.2 162.0 243.0





#69
o-Xylene
Concen: 76.128 ug/l
RT: 12.376 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

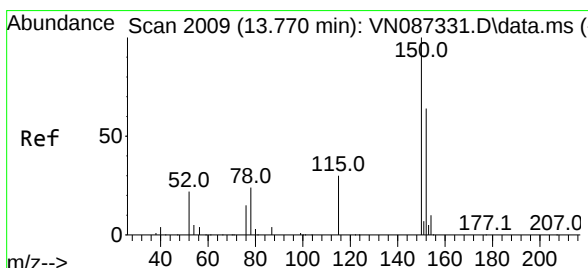
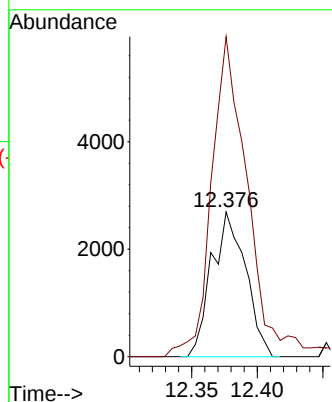
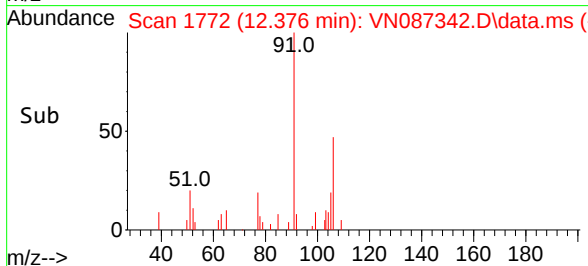
Instrument :
MSVOA_N
ClientSampleId :
GAS-BUR-25-0010



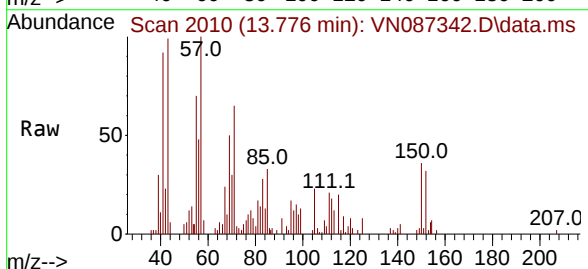
Tgt Ion:106 Resp: 4852
Ion Ratio Lower Upper
106 100
91 232.3 107.7 323.3

Manual Integrations
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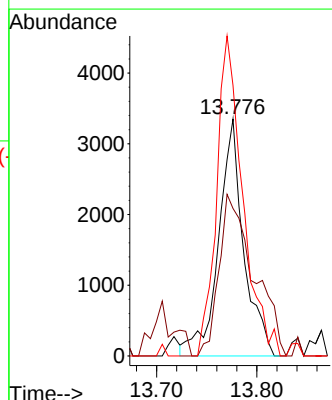
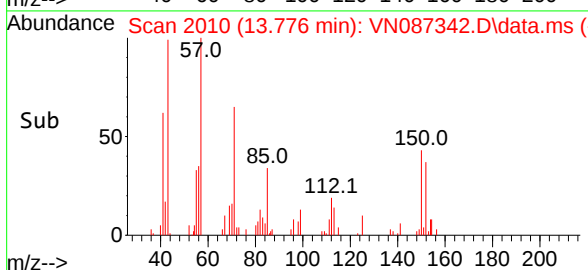
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

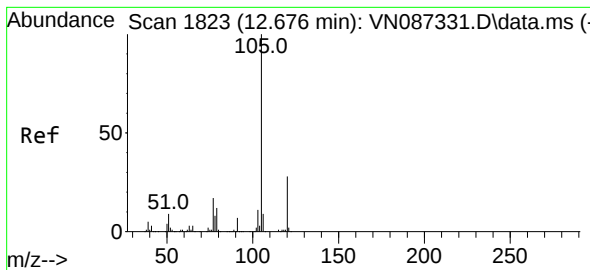


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.776 min Scan# 2010
Delta R.T. 0.006 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36



Tgt Ion:152 Resp: 5826
Ion Ratio Lower Upper
152 100
115 94.2 31.1 93.5#
150 140.9 0.0 349.0





#73

Isopropylbenzene

Concen: 14.582 ug/l

RT: 12.670 min Scan# 1823

Delta R.T. -0.006 min

Lab File: VN087342.D

Acq: 17 Jul 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

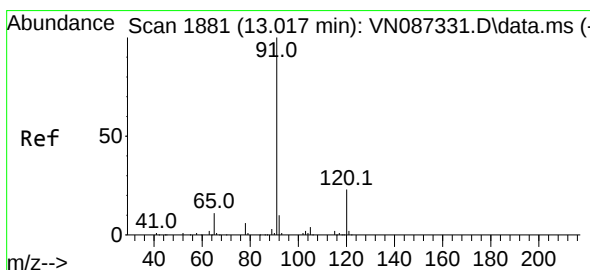
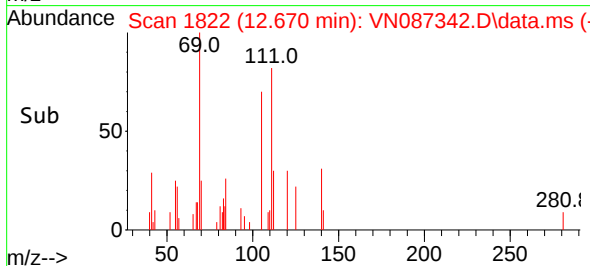
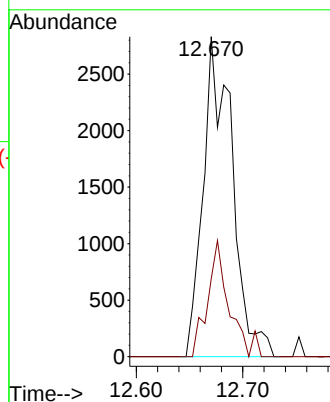
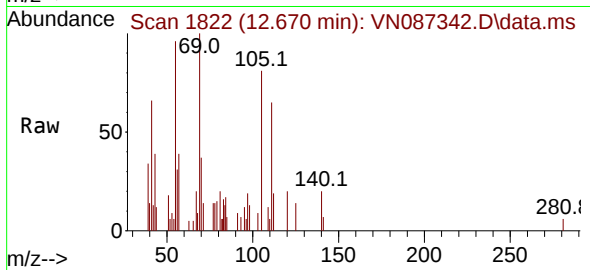
GAS-BUR-25-0010

Tgt Ion:105 Resp: 534
 Ion Ratio Lower Upper
 105 100
 120 27.1 13.4 40.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025



#78

n-propylbenzene

Concen: 39.086 ug/l

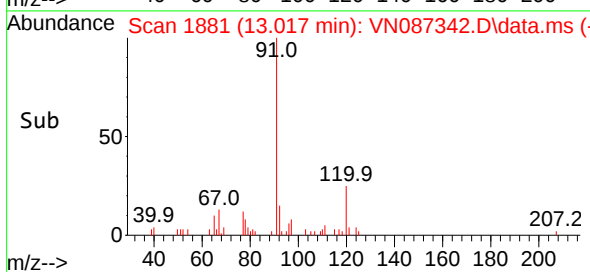
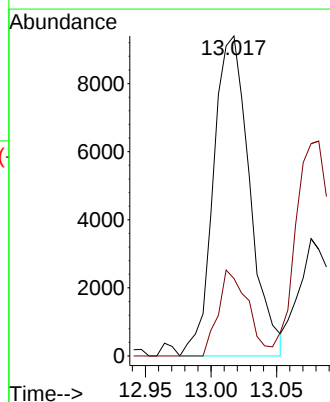
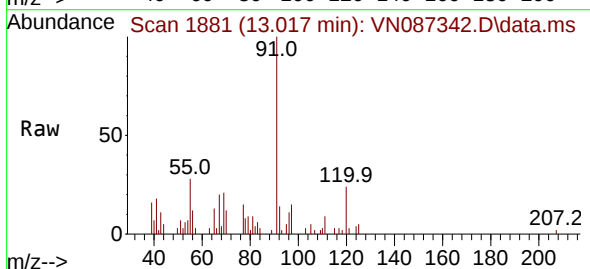
RT: 13.017 min Scan# 1881

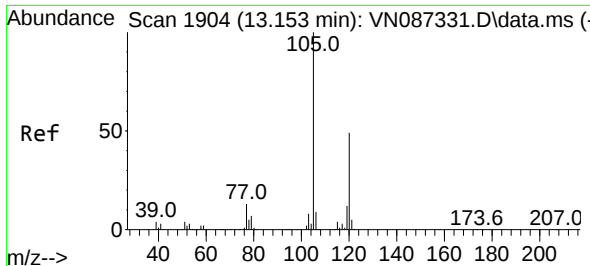
Delta R.T. 0.000 min

Lab File: VN087342.D

Acq: 17 Jul 2025 13:36

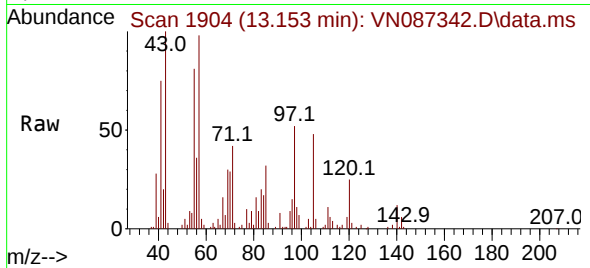
Tgt Ion: 91 Resp: 18032
 Ion Ratio Lower Upper
 91 100
 120 22.2 11.3 33.8





#80
1,3,5-Trimethylbenzene
Concen: 73.978 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

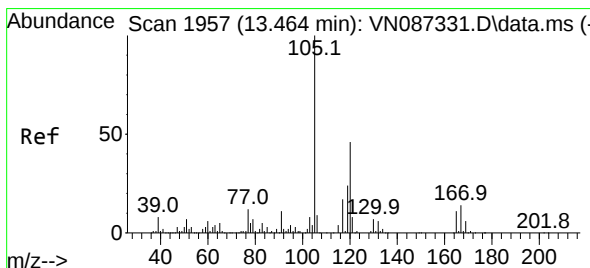
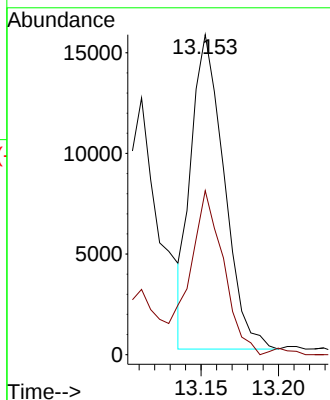
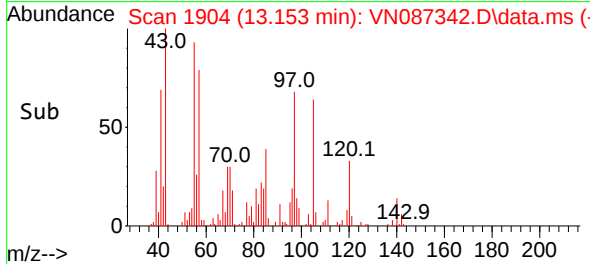
Instrument :
MSVOA_N
ClientSampleId :
GAS-BUR-25-0010



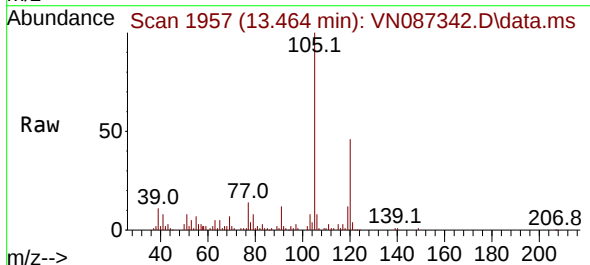
Tgt Ion:105 Resp: 2311
Ion Ratio Lower Upper
105 100
120 50.5 24.3 72.8

Manual Integrations
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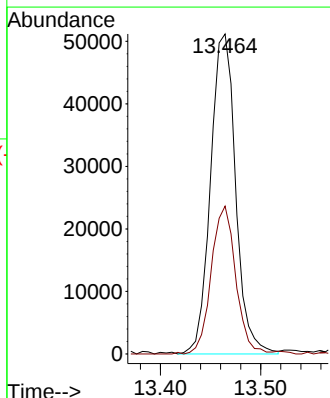
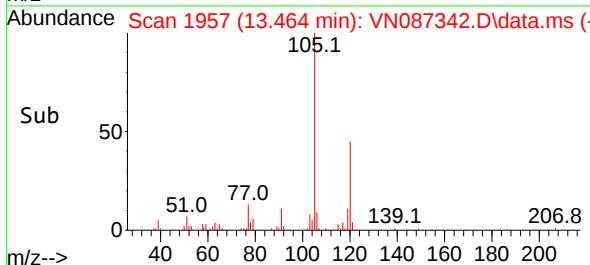
Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025

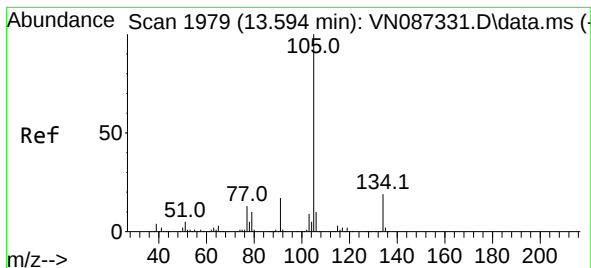


#84
1,2,4-Trimethylbenzene
Concen: 279.010 ug/l
RT: 13.464 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36



Tgt Ion:105 Resp: 89017
Ion Ratio Lower Upper
105 100
120 45.1 22.8 68.3





#85

sec-Butylbenzene

Concen: 38.045 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN087342.D

Acq: 17 Jul 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

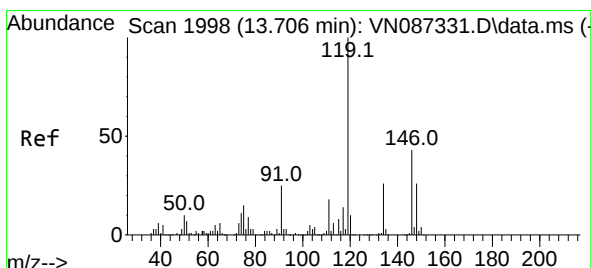
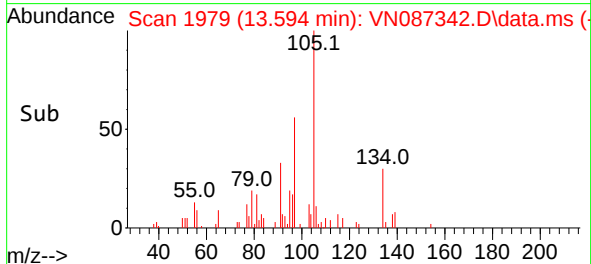
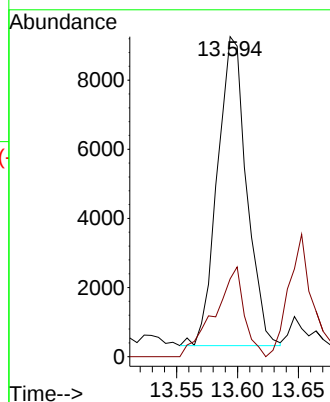
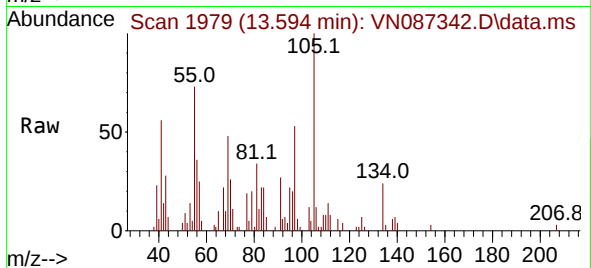
GAS-BUR-25-0010

Tgt Ion:105 Resp: 1495
 Ion Ratio Lower Upper
 105 100
 134 29.2 9.8 29.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/18/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025



#86

p-Isopropyltoluene

Concen: 29.821 ug/l

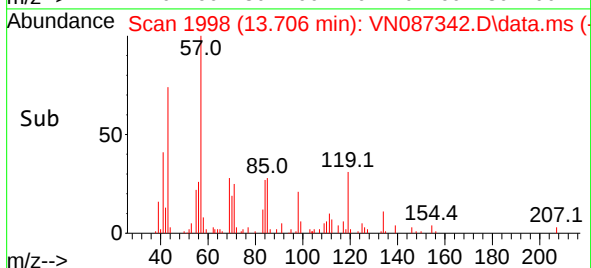
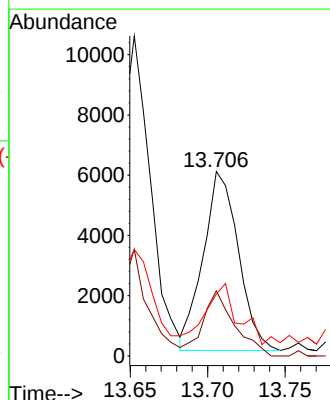
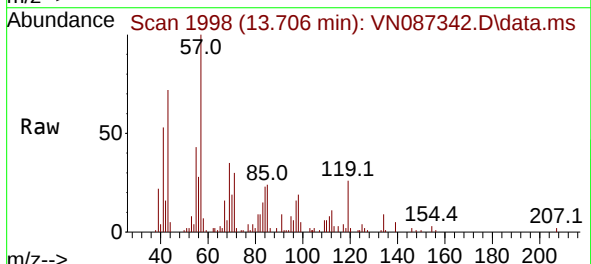
RT: 13.706 min Scan# 1998

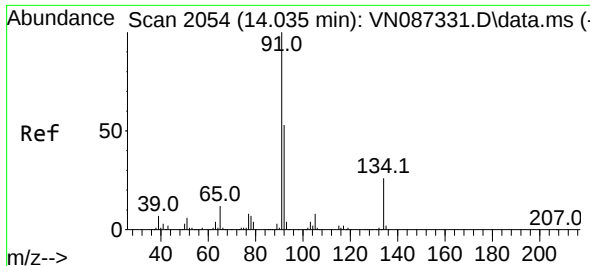
Delta R.T. 0.000 min

Lab File: VN087342.D

Acq: 17 Jul 2025 13:36

Tgt Ion:119 Resp: 9393
 Ion Ratio Lower Upper
 119 100
 134 32.9 13.5 40.5
 91 29.5 12.2 36.6





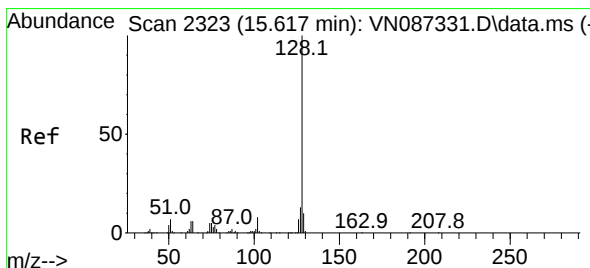
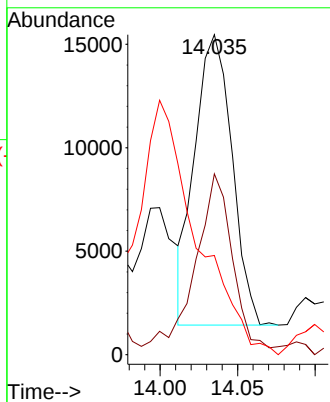
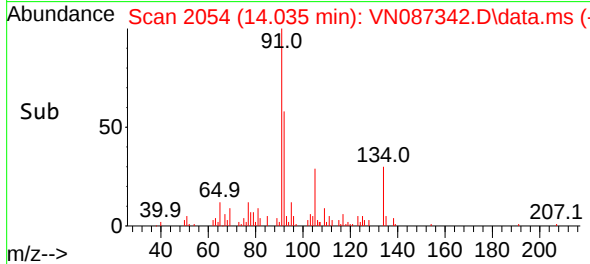
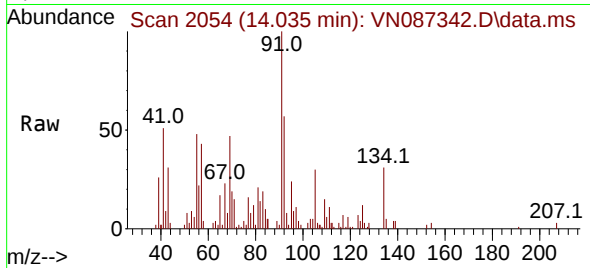
#89
n-Butylbenzene
Concen: 77.886 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

Instrument :
MSVOA_N
ClientSampleId :
GAS-BUR-25-0010

Tgt Ion: 91 Resp: 2342
Ion Ratio Lower Upper
91 100
92 60.9 26.2 78.6
134 0.0 12.4 37.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/18/2025
Supervised By :Semsettin Yesilyurt 07/21/2025



#95
Naphthalene
Concen: 89.007 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN087342.D
Acq: 17 Jul 2025 13:36

Tgt Ion:128 Resp: 32749
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 8.4 12.6

