

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086320.D
 Acq On : 17 Apr 2025 14:29
 Operator : JC\MD
 Sample : Q1818-02
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3833

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 01:31:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	200183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	381492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	342298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	140832	48.515	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.040%		
35) Dibromofluoromethane	8.159	113	79433	44.863	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.720%		
50) Toluene-d8	10.565	98	488437	51.617	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.240%		
62) 4-Bromofluorobenzene	12.847	95	170209	49.315	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.640%		
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	7977	2.294	ug/l	91
39) Methylcyclohexane	9.594	83	7896	1.878	ug/l #	90
52) Toluene	10.629	92	1254390	177.427	ug/l	100
64) Tetrachloroethene	11.100	164	1224	0.465	ug/l	94
67) Ethyl Benzene	11.965	91	12831600	930.863	ug/l	94
68) m/p-Xylenes	12.065	106	19211591m	3719.529	ug/l	
69) o-Xylene	12.394	106	5538794	1084.350	ug/l	94
73) Isopropylbenzene	12.694	105	103796	8.342	ug/l	99
78) n-propylbenzene	13.035	91	83250	5.678	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	16152	1.586	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	33488	3.230	ug/l	97
89) n-Butylbenzene	14.053	91	4292	0.480	ug/l #	75
95) Naphthalene	15.635	128	20252	2.374	ug/l #	86

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

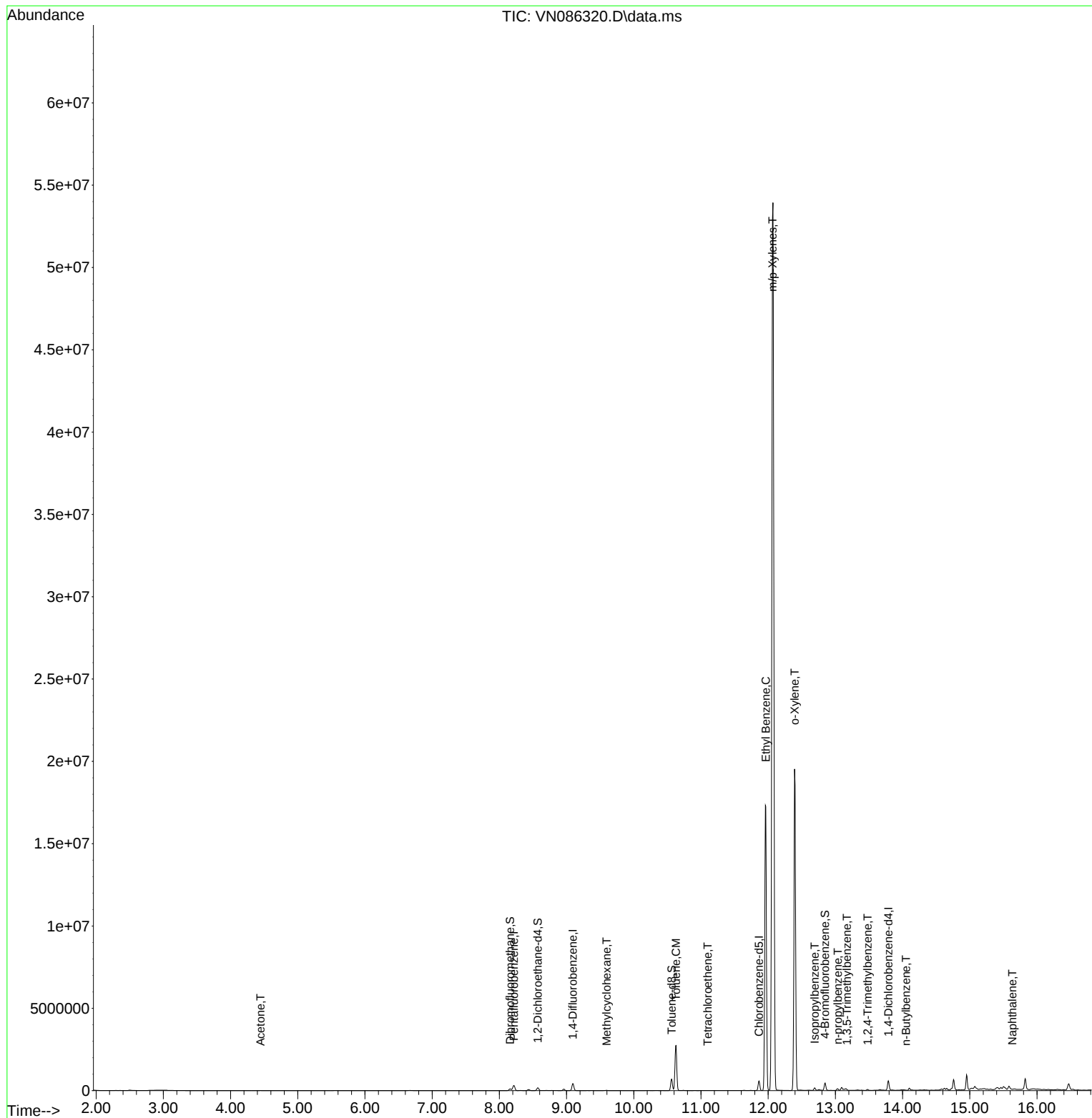
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
Data File : VN086320.D
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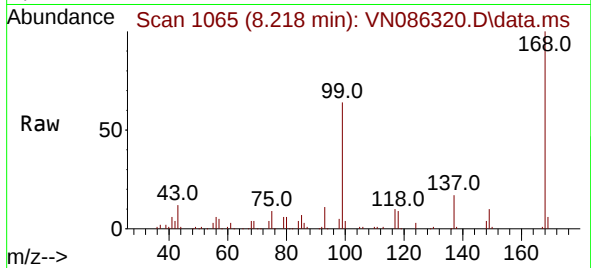
Quant Time: Apr 18 01:31:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

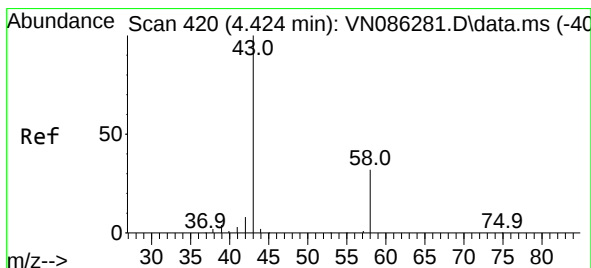
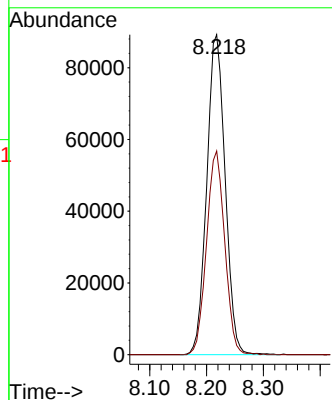
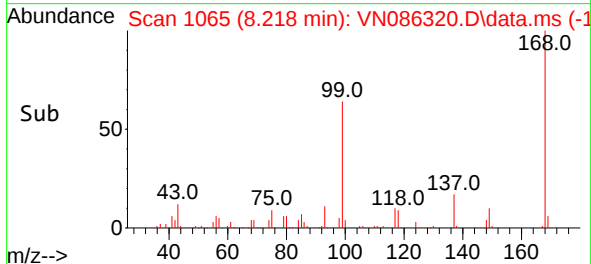
Instrument :
MSVOA_N
ClientSampleId :
3833



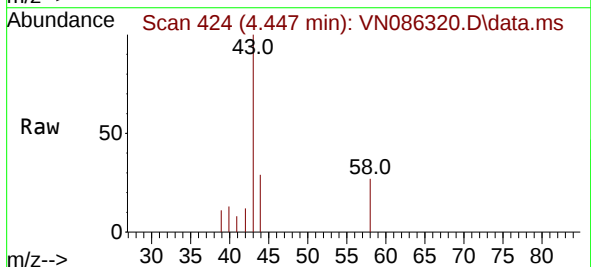
Tgt Ion:168 Resp: 20018
Ion Ratio Lower Upper
168 100
99 63.7 52.5 78.7

Manual Integrations
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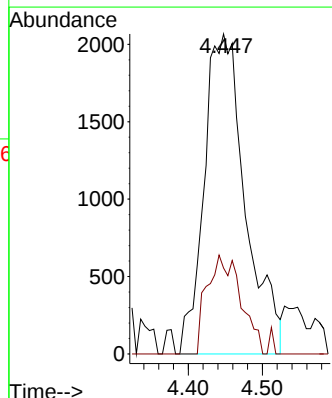
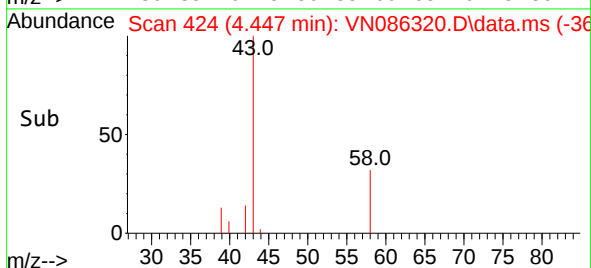
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

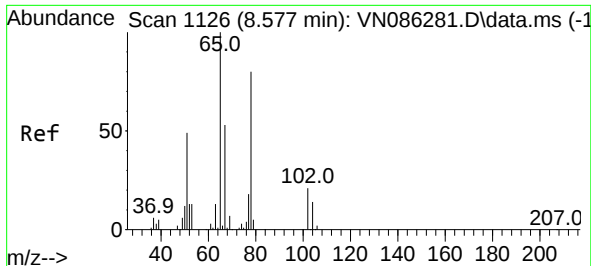


#16
Acetone
Concen: 2.294 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29



Tgt Ion: 43 Resp: 7977
Ion Ratio Lower Upper
43 100
58 26.9 25.3 37.9





#33

1,2-Dichloroethane-d4

Concen: 48.515 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086320.D

Acq: 17 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

3833

Tgt Ion: 65 Resp: 140832

Ion Ratio Lower Upper

65 100

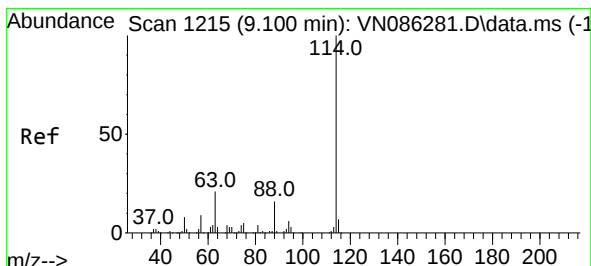
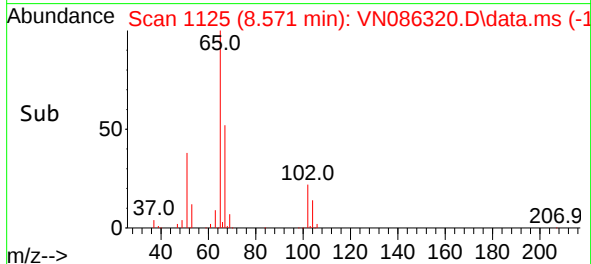
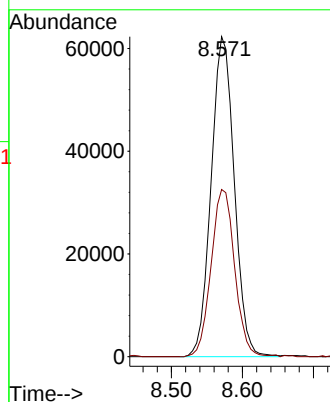
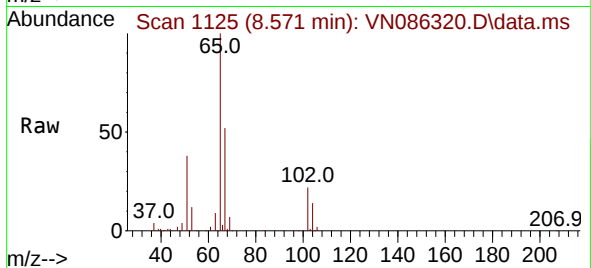
67 53.2 0.0 106.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086320.D

Acq: 17 Apr 2025 14:29

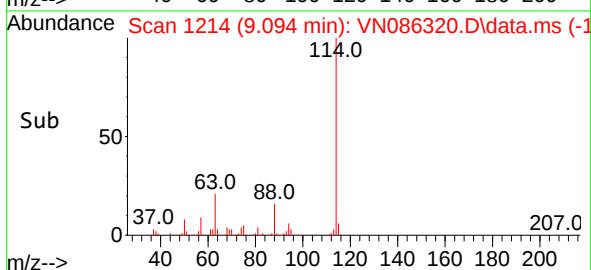
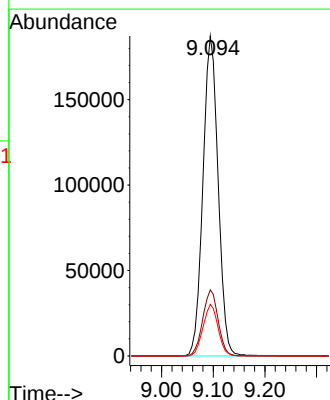
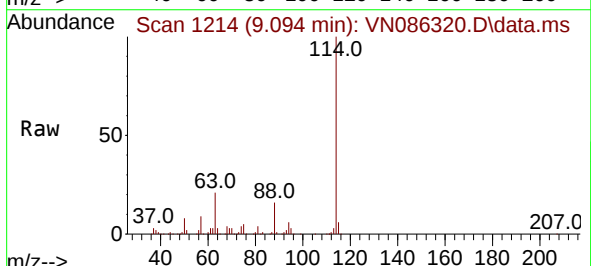
Tgt Ion:114 Resp: 381492

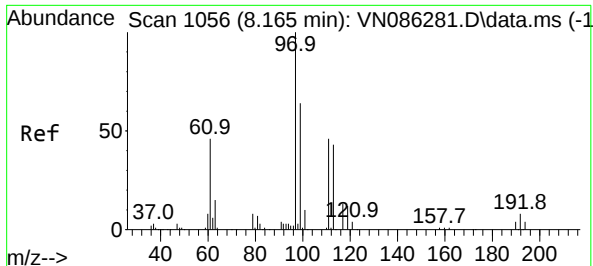
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 44.863 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086320.D

Acq: 17 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

3833

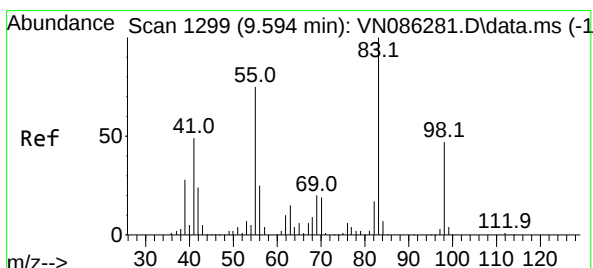
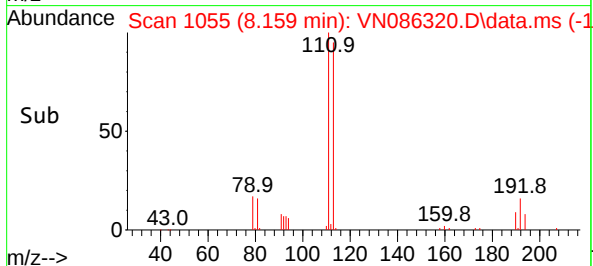
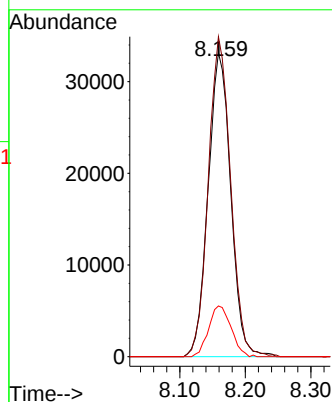
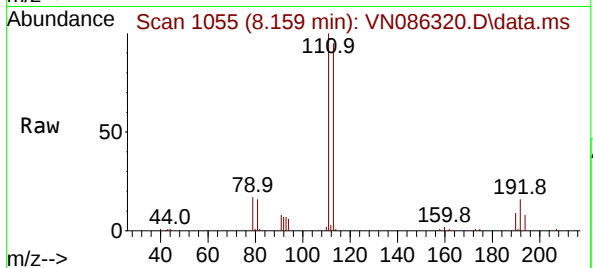
Tgt Ion:	113	Resp:	7943
Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.4	125.0
192	16.6	13.7	20.5

Manual Integrations

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Supervised By :Mahesh Dadoda 04/18/2025



#39

Methylcyclohexane

Concen: 1.878 ug/l

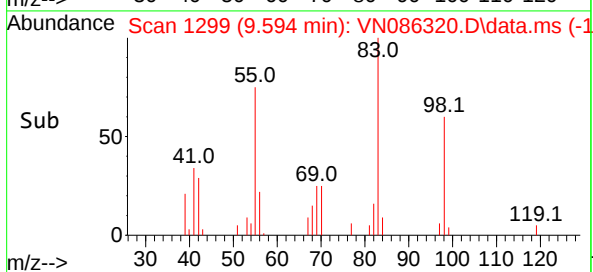
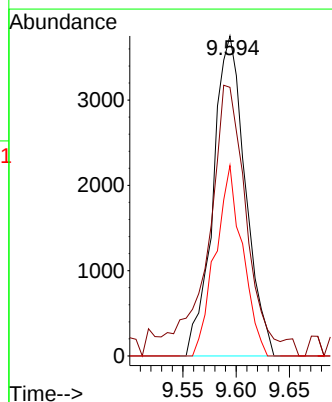
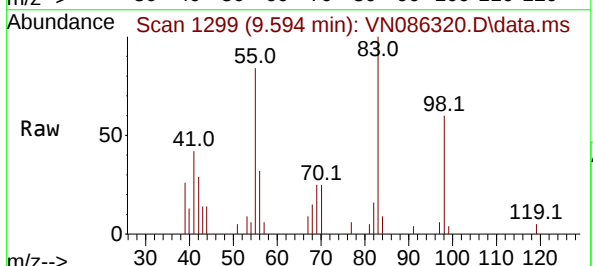
RT: 9.594 min Scan# 1299

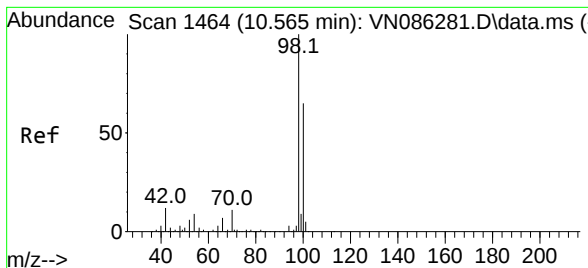
Delta R.T. -0.000 min

Lab File: VN086320.D

Acq: 17 Apr 2025 14:29

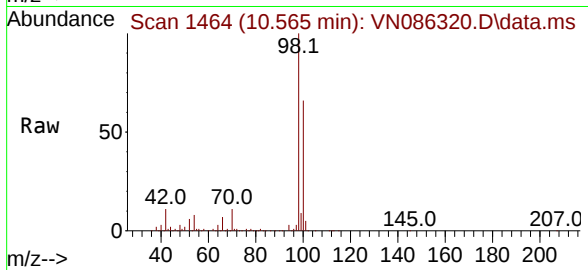
Tgt Ion:	83	Resp:	7896
Ion	Ratio	Lower	Upper
83	100		
55	79.5	59.8	89.8
98	59.5	37.9	56.9





#50
Toluene-d8
Concen: 51.617 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

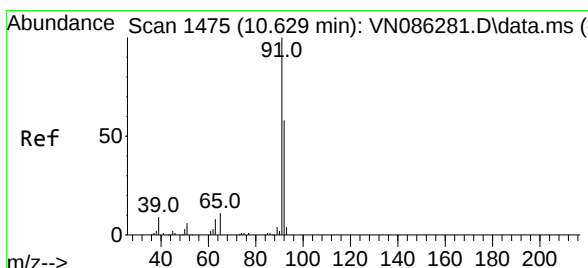
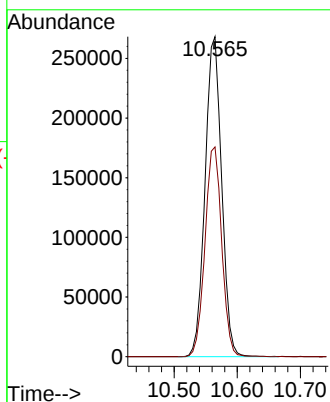
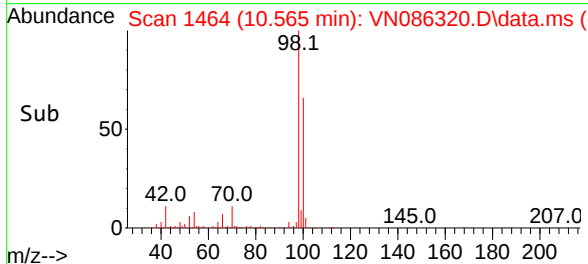
Instrument :
MSVOA_N
ClientSampleId :
3833



Tgt Ion: 98 Resp: 48843
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7

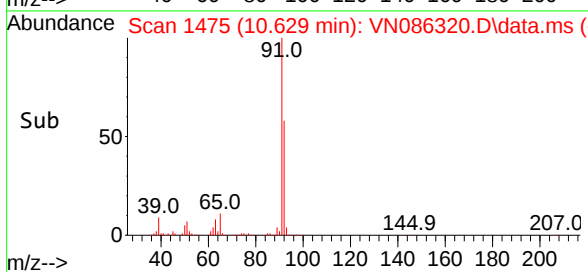
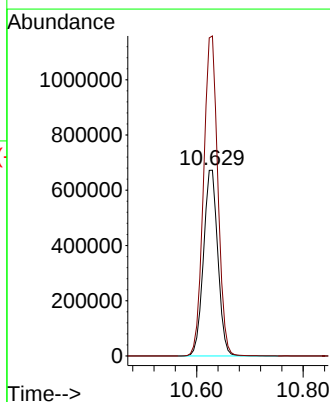
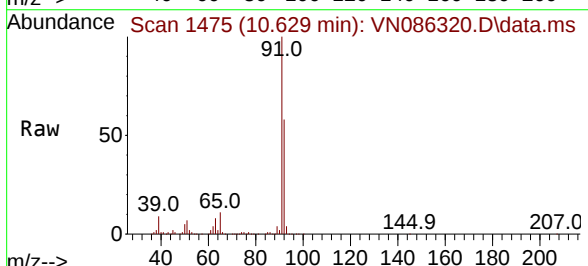
Manual Integrations
APPROVED

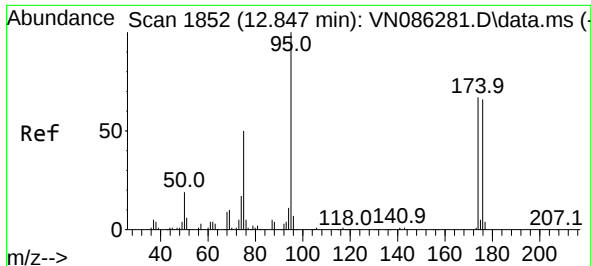
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#52
Toluene
Concen: 177.427 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

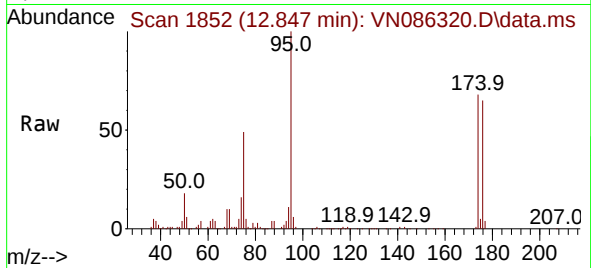
Tgt Ion: 92 Resp: 1254390
Ion Ratio Lower Upper
92 100
91 171.9 137.3 205.9





#62
4-Bromofluorobenzene
Concen: 49.315 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

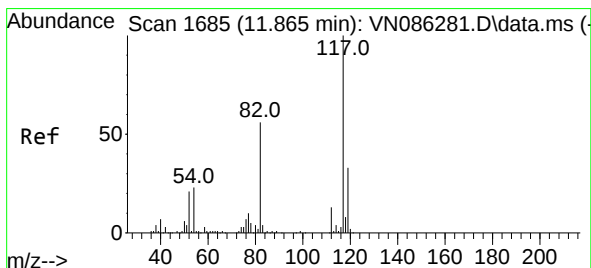
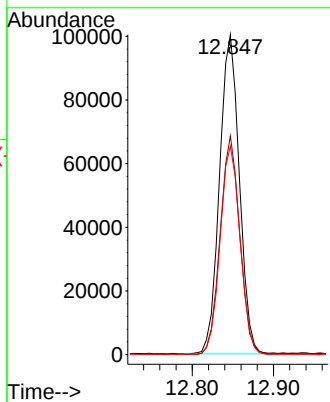
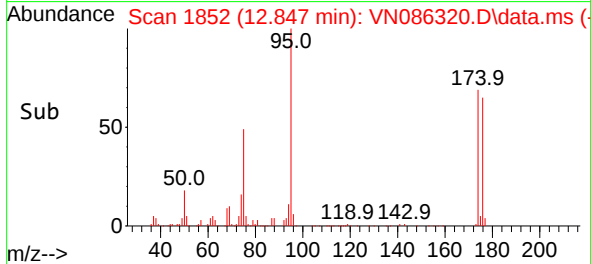
Instrument :
MSVOA_N
ClientSampleId :
3833



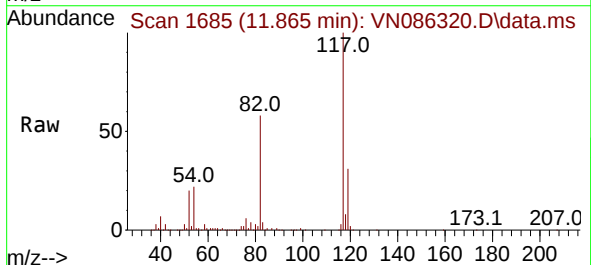
Tgt Ion: 95 Resp: 170209
Ion Ratio Lower Upper
95 100
174 68.0 0.0 133.4
176 65.6 0.0 129.2

Manual Integrations
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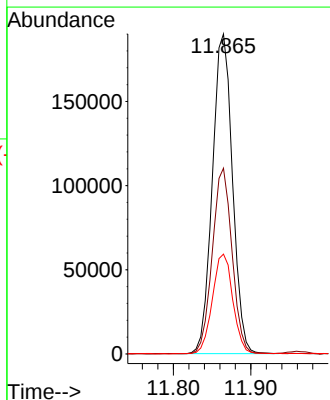
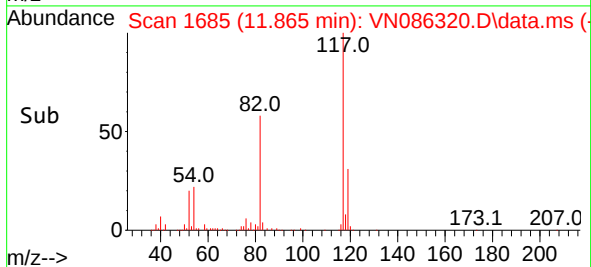
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

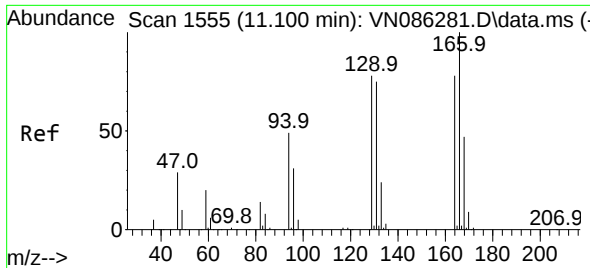


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29



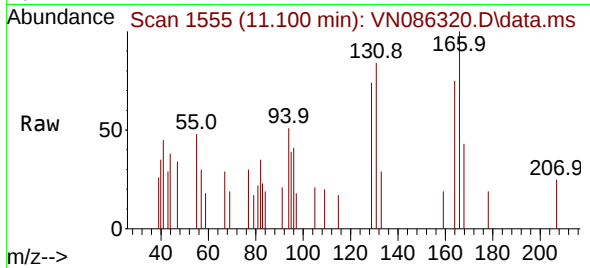
Tgt Ion:117 Resp: 342298
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 31.1 26.4 39.6





#64
Tetrachloroethene
Concen: 0.465 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

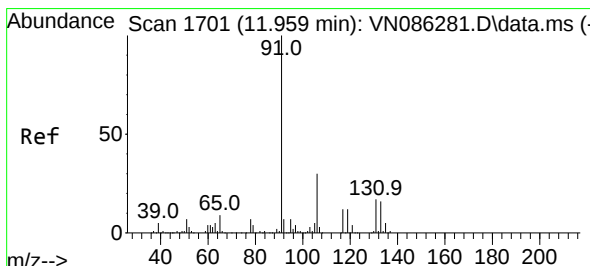
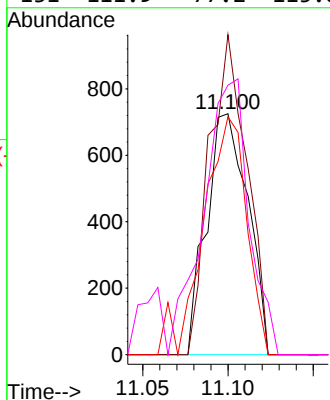
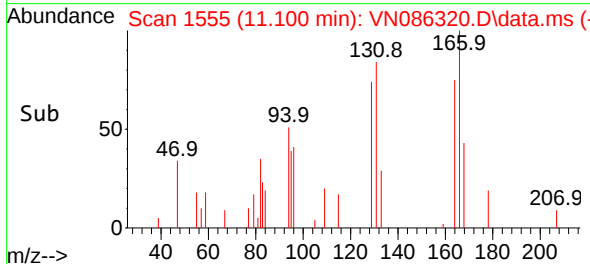
Instrument :
MSVOA_N
ClientSampleId :
3833



Tgt Ion:164 Resp: 1224
Ion Ratio Lower Upper
164 100
166 132.8 103.0 154.4
129 98.8 80.1 120.1
131 111.9 77.2 115.8

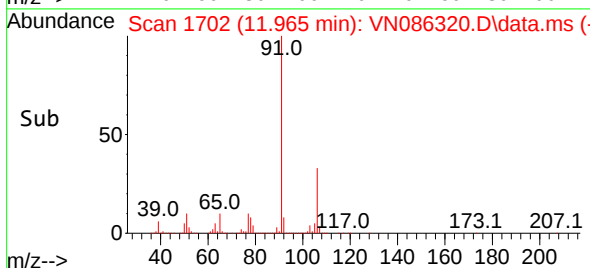
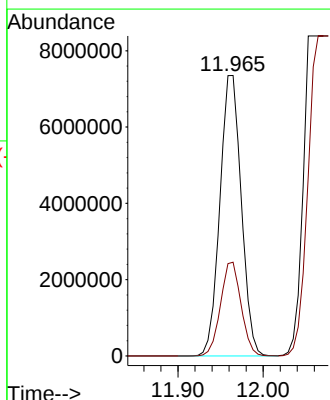
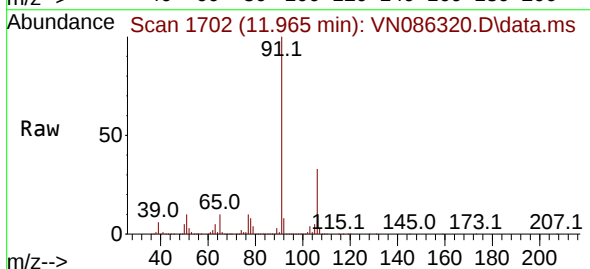
Manual Integrations
APPROVED

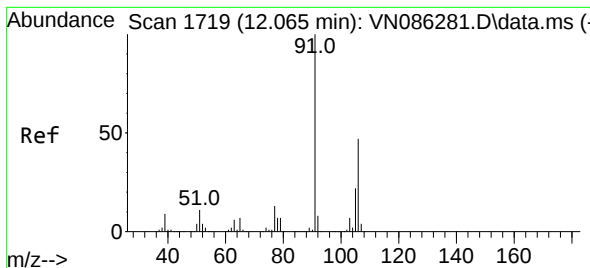
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#67
Ethyl Benzene
Concen: 930.863 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

Tgt Ion: 91 Resp:12831600
Ion Ratio Lower Upper
91 100
106 33.4 24.3 36.5





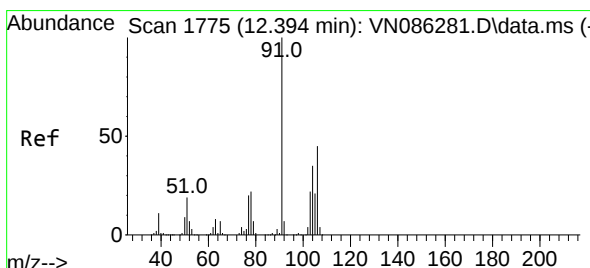
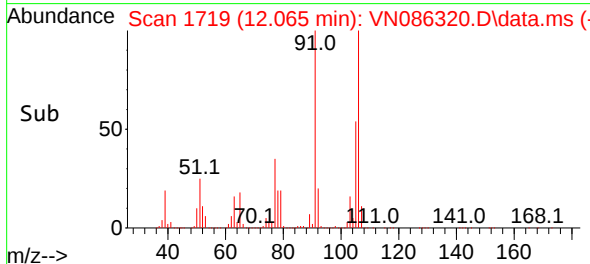
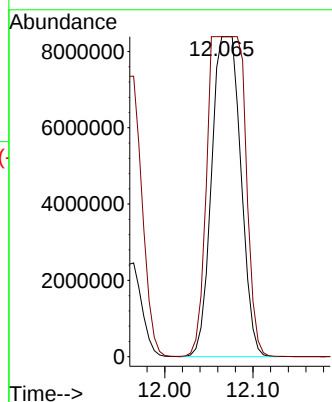
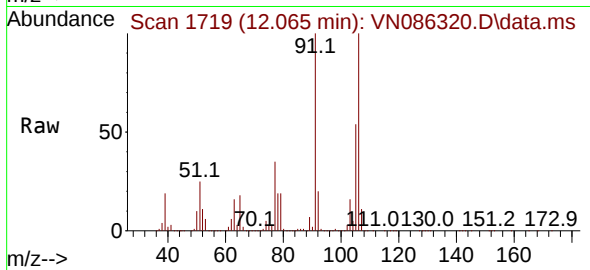
#68
m/p-Xylenes
Concen: 3719.529 ug/l m
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

Instrument :
MSVOA_N
ClientSampleId :
3833

Tgt Ion:106 Resp:1921159
Ion Ratio Lower Upper
106 100
91 0.0 166.5 249.7

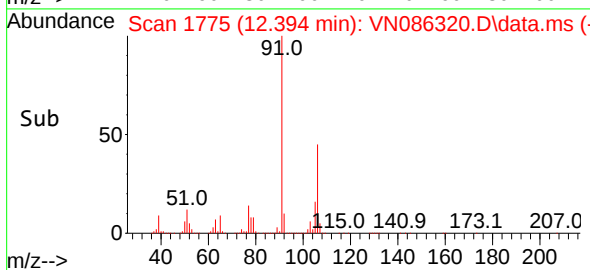
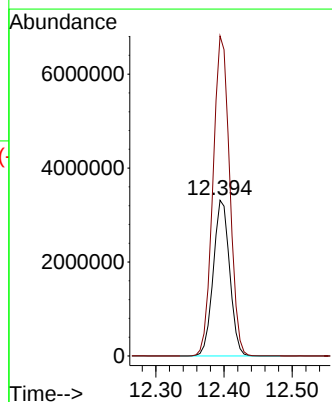
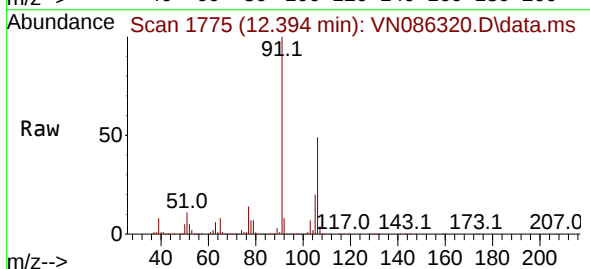
Manual Integrations
APPROVED

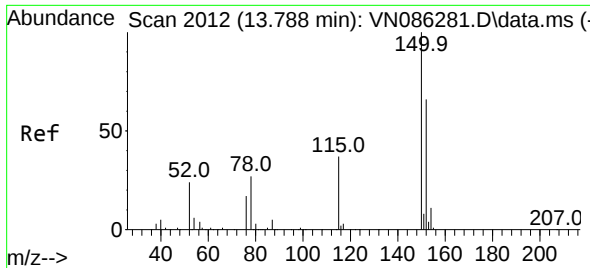
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#69
o-Xylene
Concen: 1084.350 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

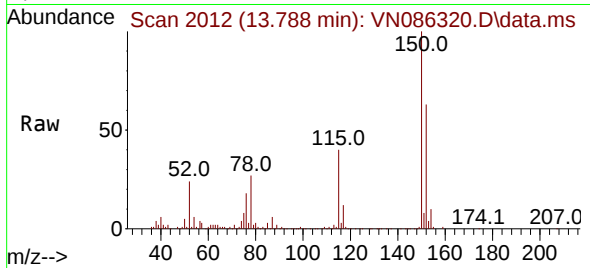
Tgt Ion:106 Resp: 5538794
Ion Ratio Lower Upper
106 100
91 209.6 109.7 329.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

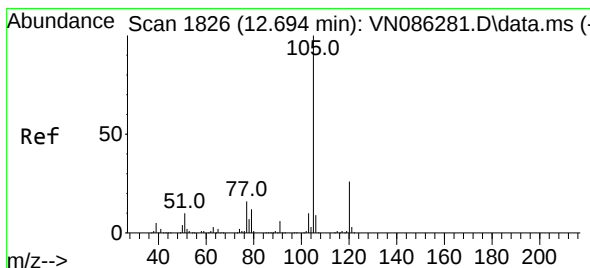
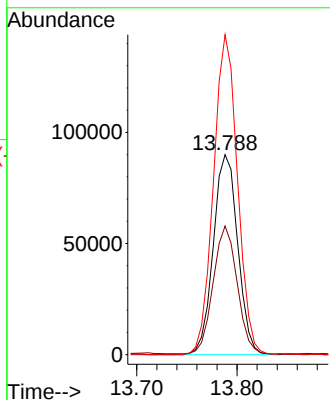
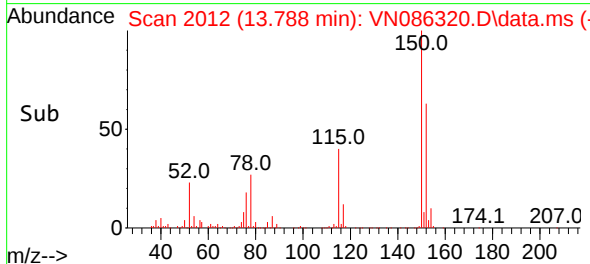
Instrument :
MSVOA_N
ClientSampleId :
3833



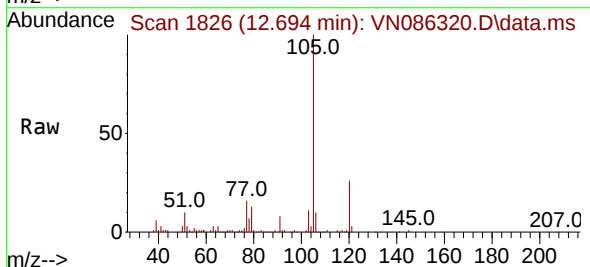
Tgt Ion:152 Resp: 15211
Ion Ratio Lower Upper
152 100
115 62.7 31.9 95.9
150 157.2 0.0 352.0

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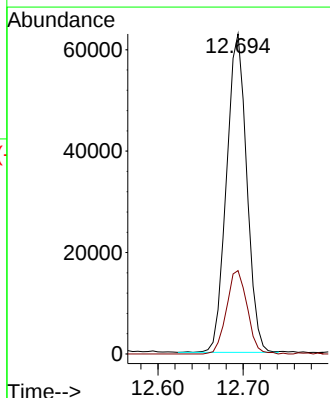
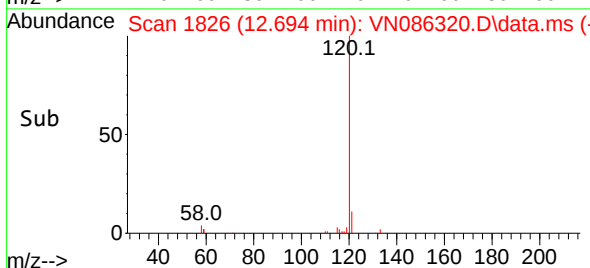
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

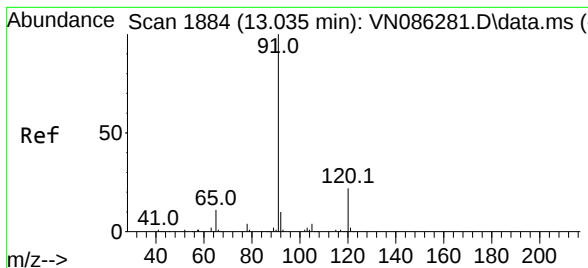


#73
Isopropylbenzene
Concen: 8.342 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29



Tgt Ion:105 Resp: 103796
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.3





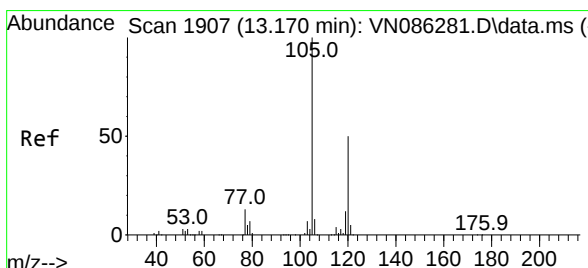
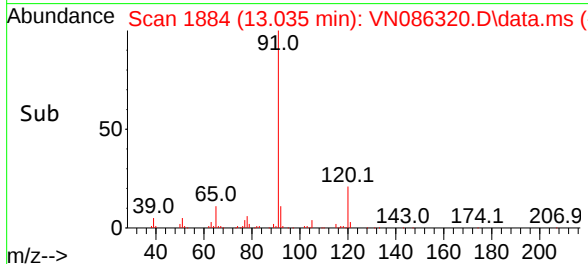
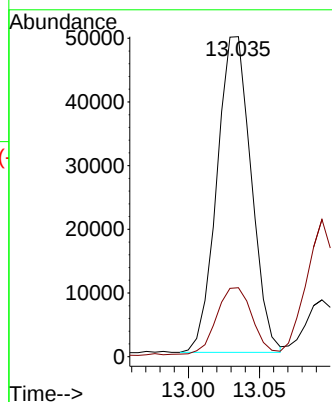
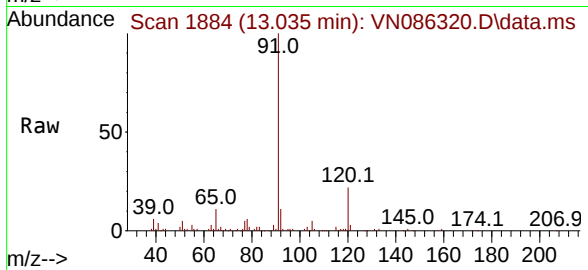
#78
n-propylbenzene
Concen: 5.678 ug/l
RT: 13.035 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

Instrument :
MSVOA_N
ClientSampleId :
3833

Tgt Ion: 91 Resp: 83250
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.3

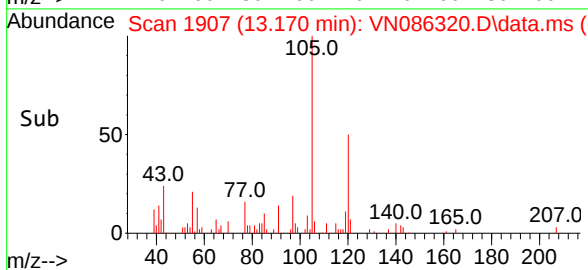
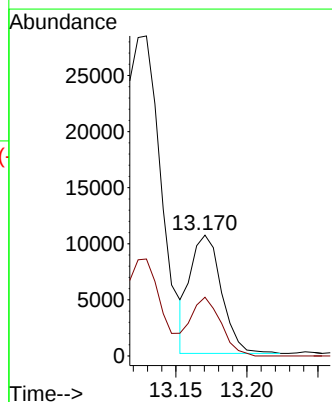
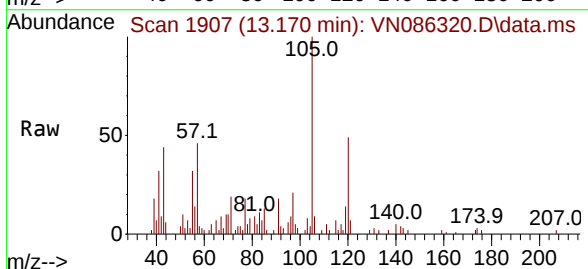
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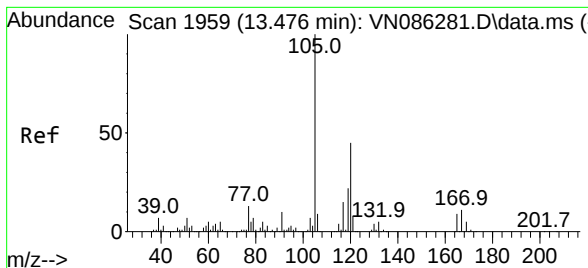
Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#80
1,3,5-Trimethylbenzene
Concen: 1.586 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

Tgt Ion:105 Resp: 16152
Ion Ratio Lower Upper
105 100
120 47.5 24.5 73.5





#84

1,2,4-Trimethylbenzene

Concen: 3.230 ug/l

RT: 13.482 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VN086320.D

Acq: 17 Apr 2025 14:29

Instrument :

MSVOA_N

ClientSampleId :

3833

Tgt Ion:105 Resp: 3348

Ion Ratio Lower Upper

105 100

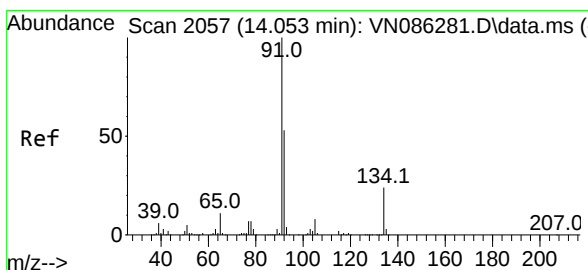
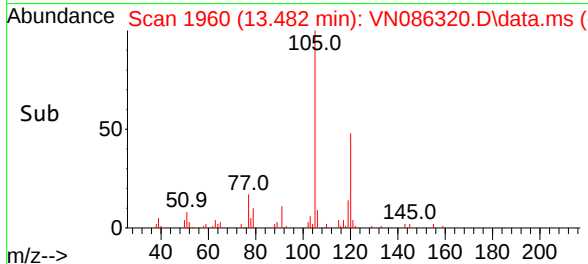
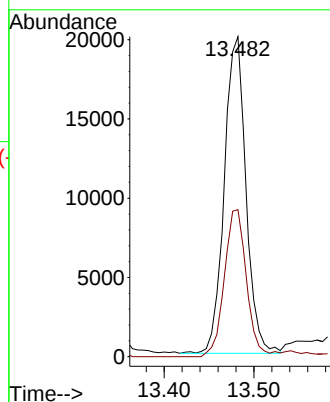
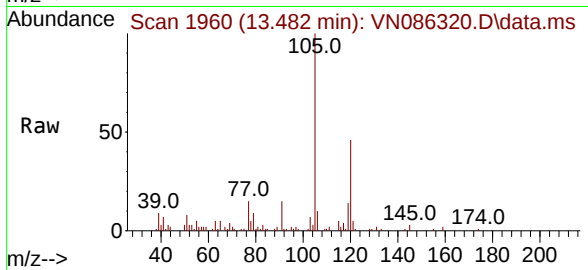
120 47.1 22.4 67.3

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Reviewed By :John Carlone 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#89

n-Butylbenzene

Concen: 0.480 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086320.D

Acq: 17 Apr 2025 14:29

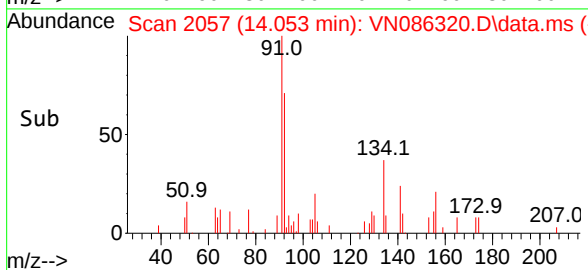
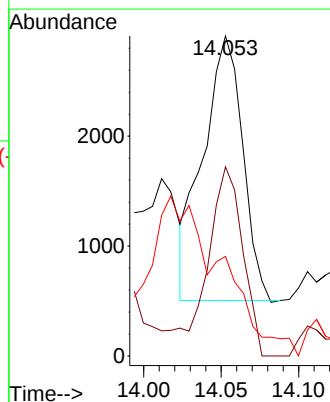
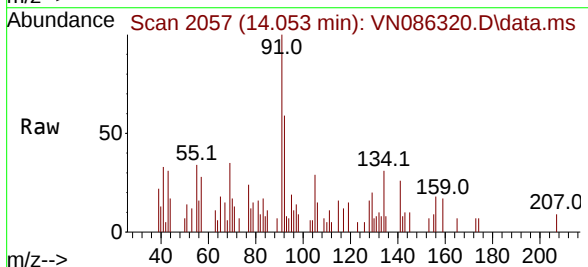
Tgt Ion: 91 Resp: 4292

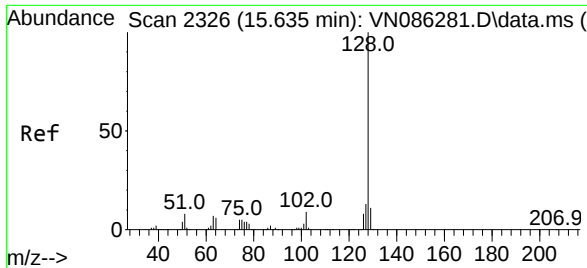
Ion Ratio Lower Upper

91 100

92 63.2 26.8 80.4

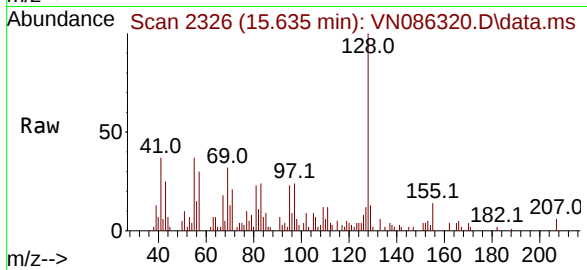
134 0.0 12.2 36.6#





#95
Naphthalene
Concen: 2.374 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086320.D
Acq: 17 Apr 2025 14:29

Instrument :
MSVOA_N
ClientSampleId :
3833



Tgt Ion:128 Resp: 2025
Ion Ratio Lower Upper
128 100
127 16.6 10.2 15.4
129 18.2 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

