

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
 Data File : VN085653.D
 Acq On : 04 Feb 2025 15:49
 Operator : JC\MD
 Sample : Q1218-01ME
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BELL-25-002ME

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/05/2025
 Supervised By :Mahesh Dadoda 02/06/2025

Quant Time: Feb 05 01:06:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	181070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	334201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	132827	45.444	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.880%		
35) Dibromofluoromethane	8.159	113	111253	47.984	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.960%		
50) Toluene-d8	10.565	98	389893	47.330	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.660%		
62) 4-Bromofluorobenzene	12.847	95	136179	48.326	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.660%		
Target Compounds					Qvalue	
3) Chloromethane	2.354	50	805	0.303	ug/l	97
8) Diethyl Ether	3.954	74	783	0.585	ug/l	87
16) Acetone	4.442	43	14911	15.789	ug/l	93
18) Methyl Acetate	5.030	43	4133	1.439	ug/l #	77
39) Methylcyclohexane	9.594	83	10009	3.273	ug/l	94
52) Toluene	10.624	92	1309528	231.155	ug/l	100
67) Ethyl Benzene	11.965	91	17119	1.661	ug/l #	82
68) m/p-Xylenes	12.065	106	30196	7.926	ug/l	100
69) o-Xylene	12.394	106	19248	5.287	ug/l	99
73) Isopropylbenzene	12.694	105	22196	2.440	ug/l	97
74) N-amyl acetate	12.482	43	48402	11.840	ug/l #	64
78) n-propylbenzene	13.035	91	111164	10.324	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	144109	19.182	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	584499	78.060	ug/l	96
85) sec-Butylbenzene	13.618	105	80934	9.256	ug/l	88
86) p-Isopropyltoluene	13.729	119	55397	7.868	ug/l	100
89) n-Butylbenzene	14.053	91	156519m	24.951	ug/l	

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

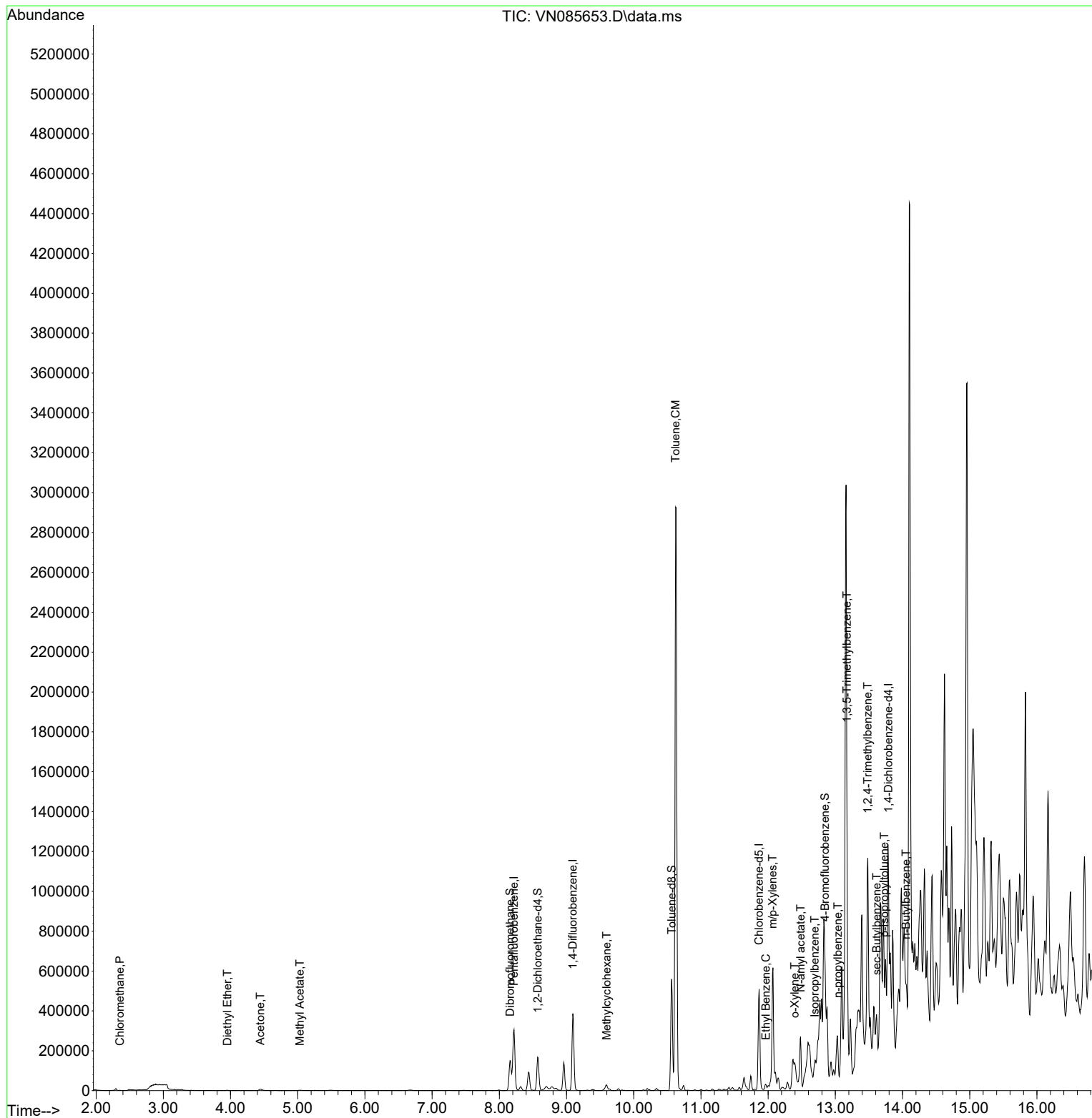
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085653.D
Acq On : 04 Feb 2025 15:49
Operator : JC\MD
Sample : Q1218-01ME
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ALS Vial : 10 Sample Multiplier: 1

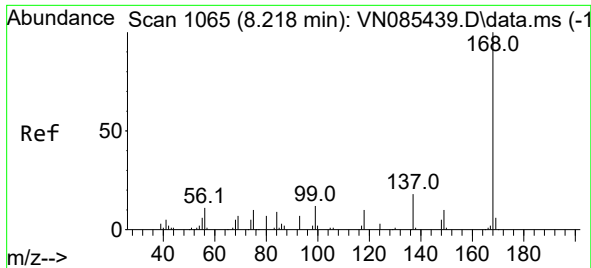
Instrument :
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ClientSampleId :
BELL-25-002ME

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Supervised By : Mahesh Dadoda 02/06/2025

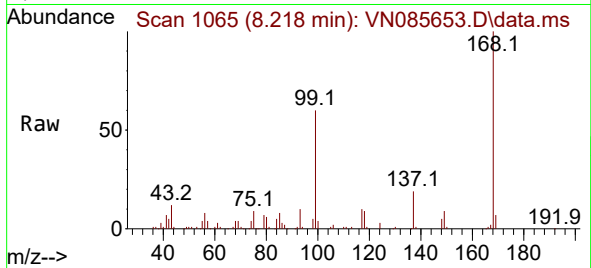
Quant Time: Feb 05 01:06:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

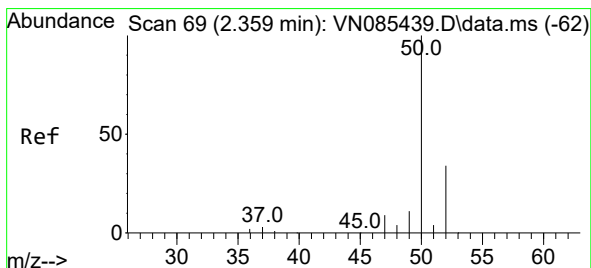
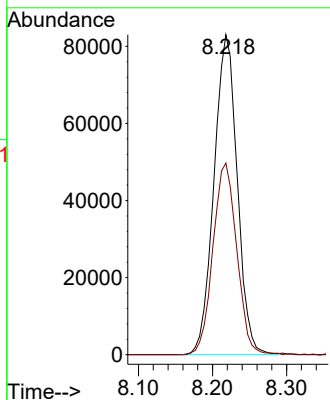
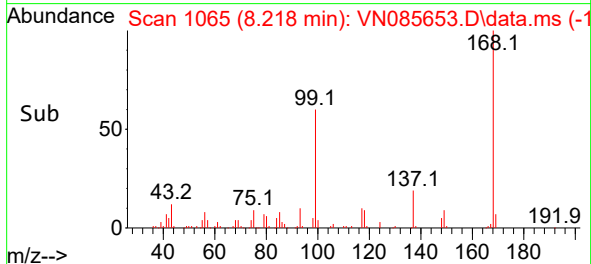
Instrument :
MSVOA_N
ClientSampleId :
BELL-25-002ME



Tgt Ion:168 Resp: 181070
Ion Ratio Lower Upper
168 100
99 59.9 53.6 80.4

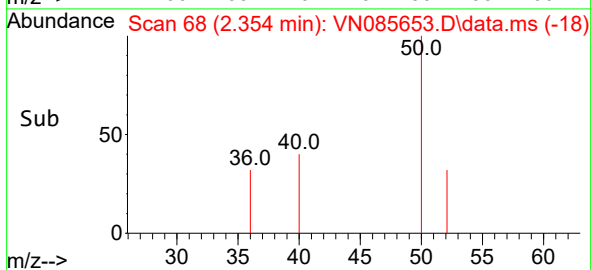
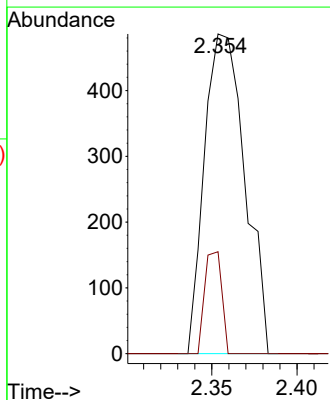
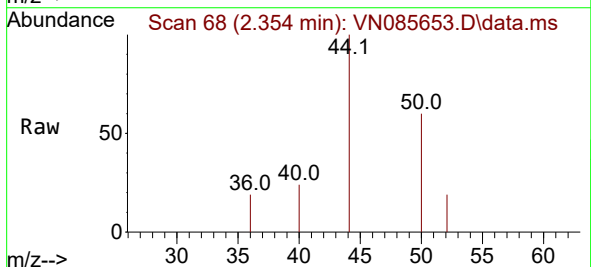
Manual Integrations
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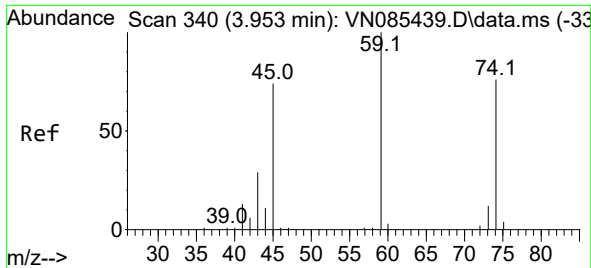
Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

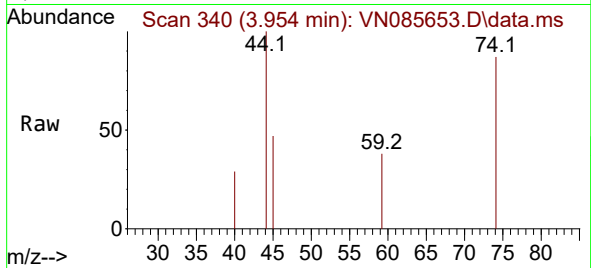
Tgt Ion: 50 Resp: 805
Ion Ratio Lower Upper
50 100
52 31.9 27.0 40.6





#8
Diethyl Ether
Concen: 0.585 ug/l
RT: 3.954 min Scan# 340
Delta R.T. 0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

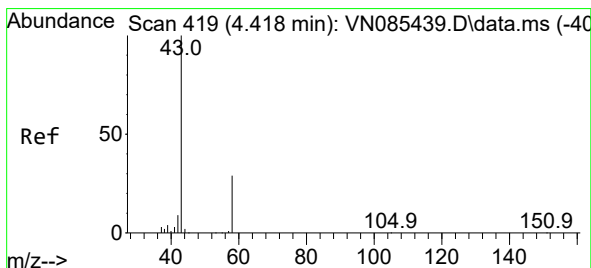
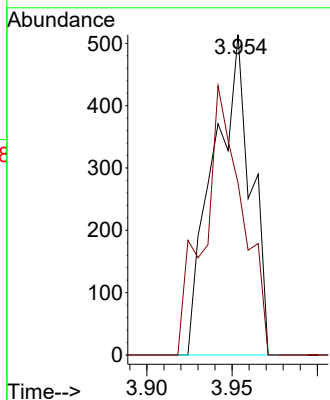
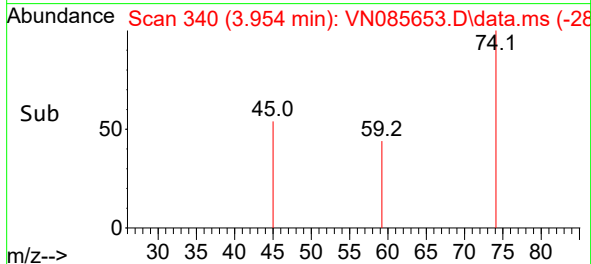
Instrument :
MSVOA_N
ClientSampleId :
BELL-25-002ME



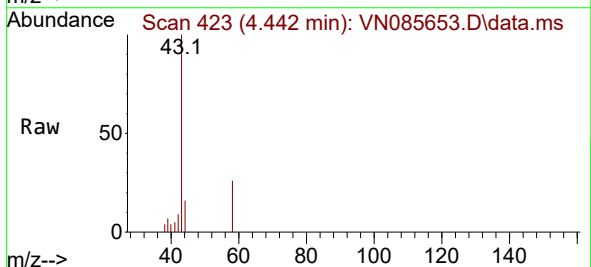
Tgt Ion: 74 Resp: 78
Ion Ratio Lower Upper
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45 86.3 49.7 149.1

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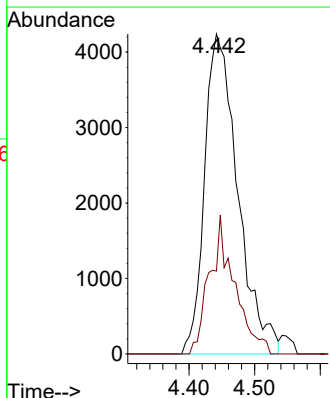
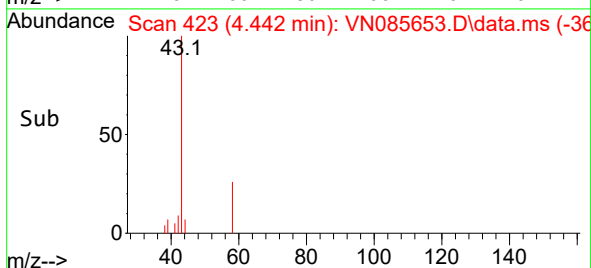
Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

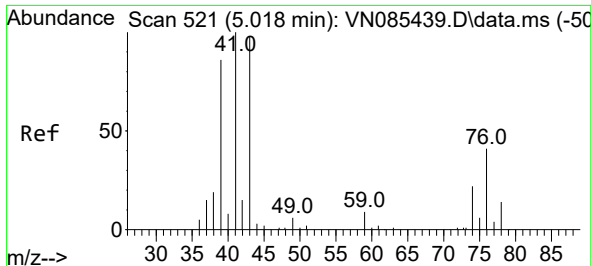


#16
Acetone
Concen: 15.789 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.024 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49



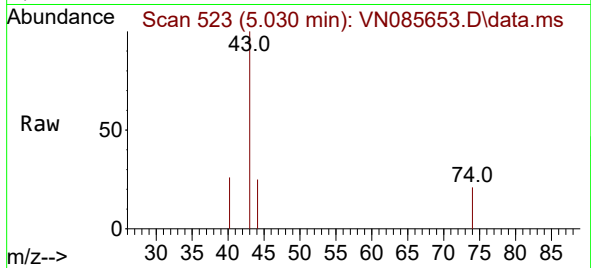
Tgt Ion: 43 Resp: 14911
Ion Ratio Lower Upper
43 100
58 25.9 23.8 35.6





#18
Methyl Acetate
Concen: 1.439 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

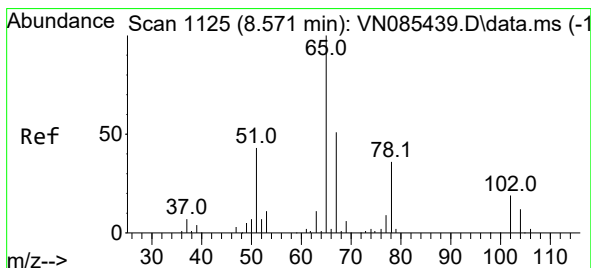
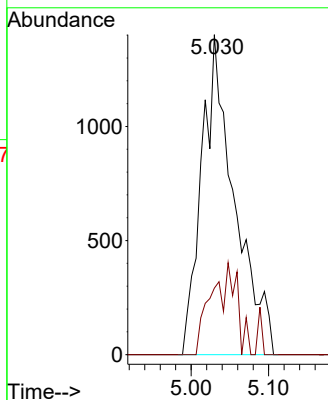
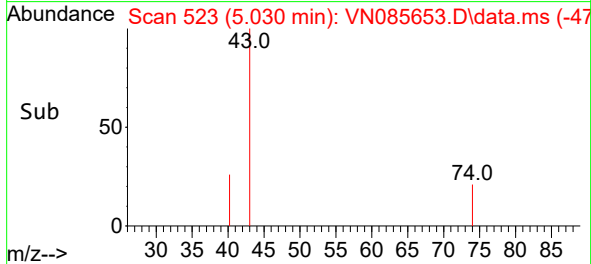
Instrument :
MSVOA_N
ClientSampleId :
BELL-25-002ME



Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
74 12.2 18.6 28.0

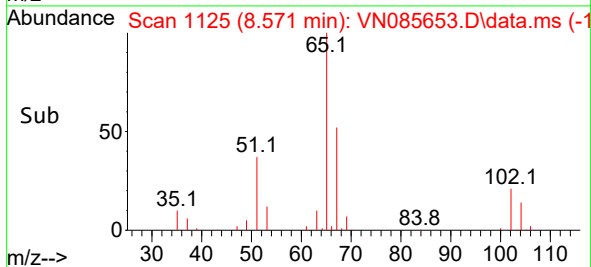
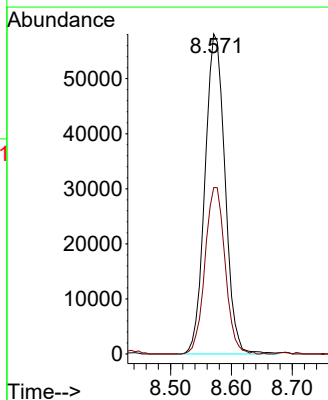
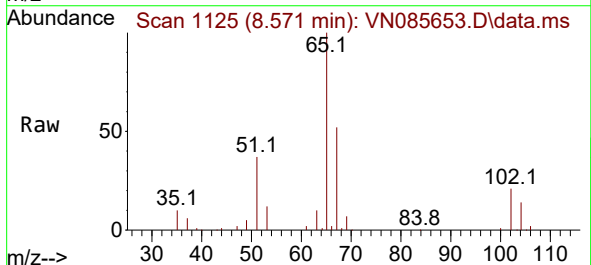
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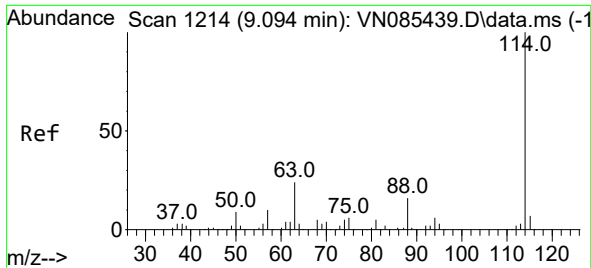
Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



#33
1,2-Dichloroethane-d4
Concen: 45.444 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

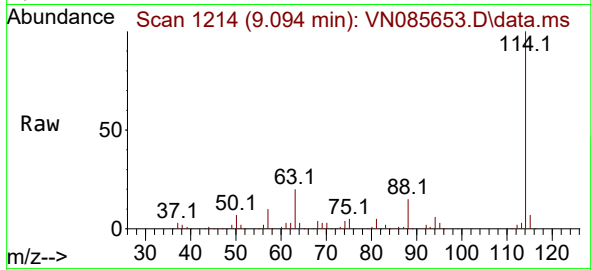
Tgt Ion: 65 Resp: 132827
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

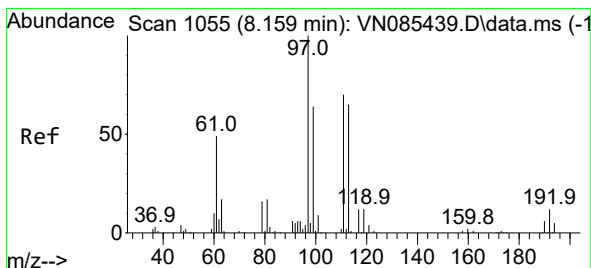
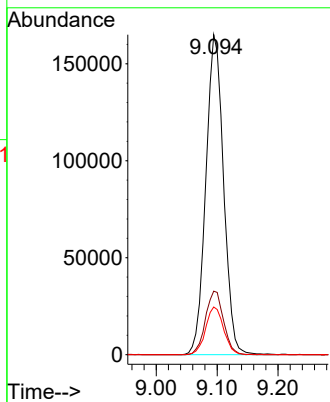
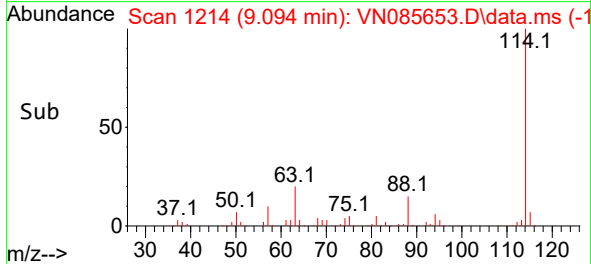
Instrument :
MSVOA_N
ClientSampleId :
BELL-25-002ME



Tgt Ion:114 Resp: 33420
Ion Ratio Lower Upper
114 100
63 19.9 0.0 47.6
88 14.9 0.0 32.6

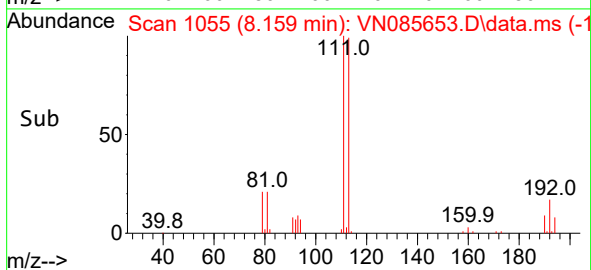
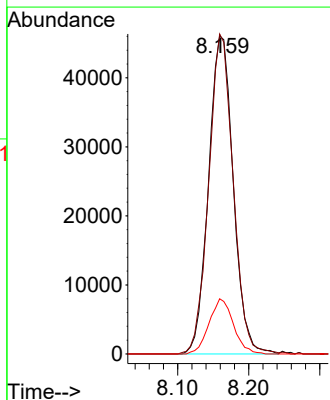
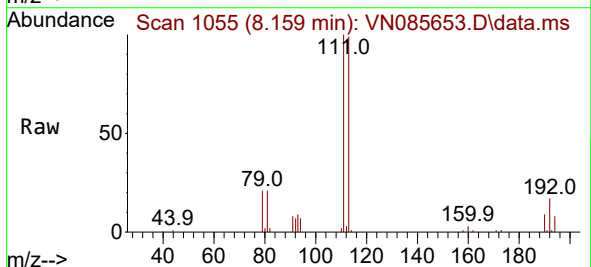
Manual Integrations
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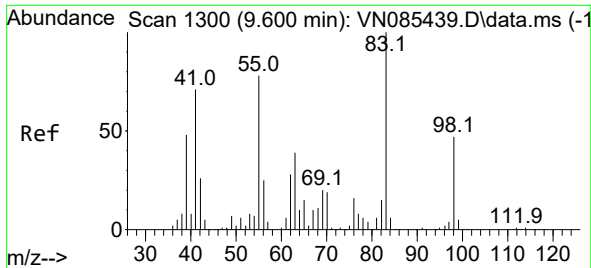
Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



#35
Dibromofluoromethane
Concen: 47.984 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

Tgt Ion:113 Resp: 111253
Ion Ratio Lower Upper
113 100
111 99.4 82.7 124.1
192 17.1 14.3 21.5





#39

Methylcyclohexane

Concen: 3.273 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN085653.D

Acq: 04 Feb 2025 15:49

Instrument :

MSVOA_N

ClientSampleId :

BELL-25-002ME

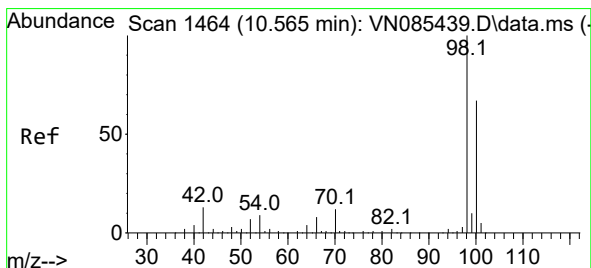
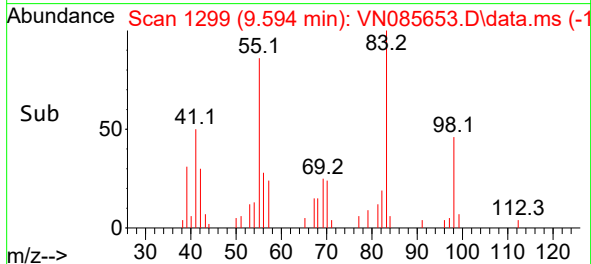
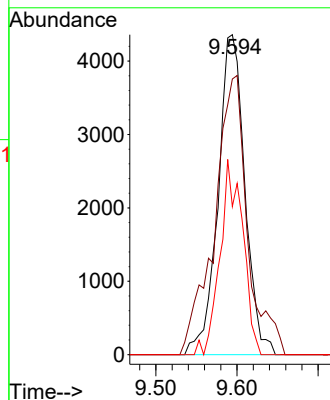
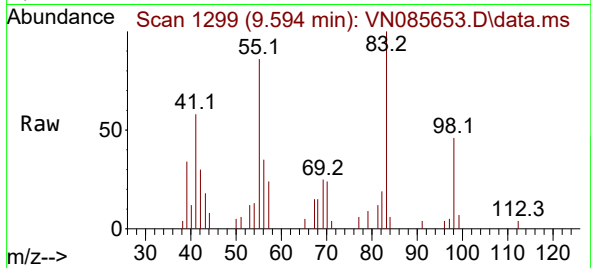
Tgt Ion: 83	Resp: 1000
Ion Ratio	Lower Upper
83	100
55	86.2 62.6 94.0
98	46.3 37.7 56.5

Manual Integrations

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Supervised By :Mahesh Dadoda 02/06/2025



#50

Toluene-d8

Concen: 47.330 ug/l

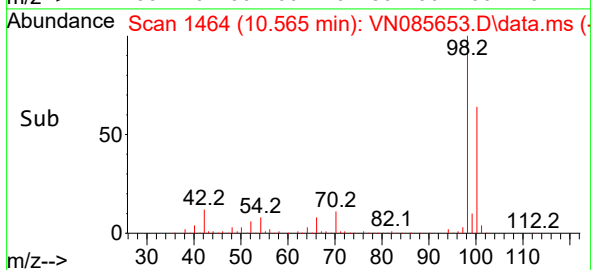
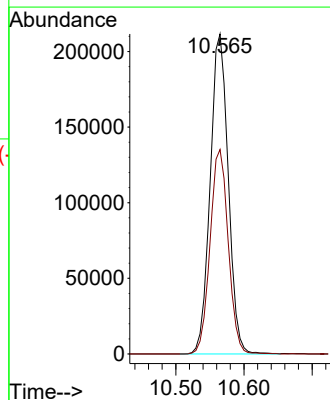
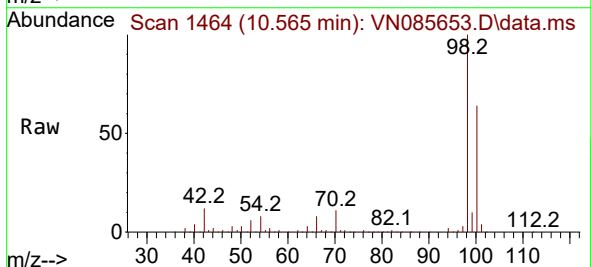
RT: 10.565 min Scan# 1464

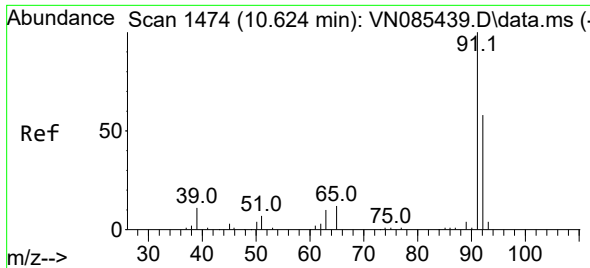
Delta R.T. 0.000 min

Lab File: VN085653.D

Acq: 04 Feb 2025 15:49

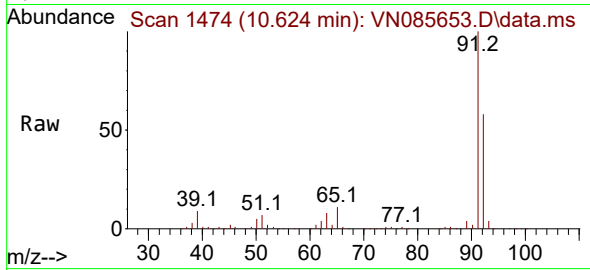
Tgt Ion: 98	Resp: 389893
Ion Ratio	Lower Upper
98	100
100	64.3 52.2 78.4





#52
Toluene
Concen: 231.155 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

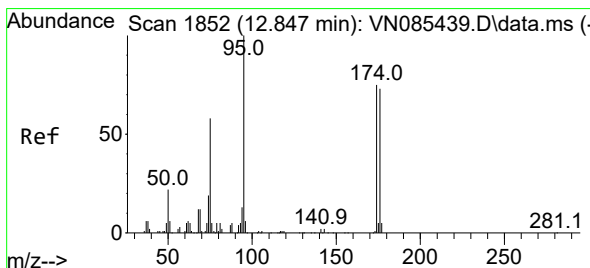
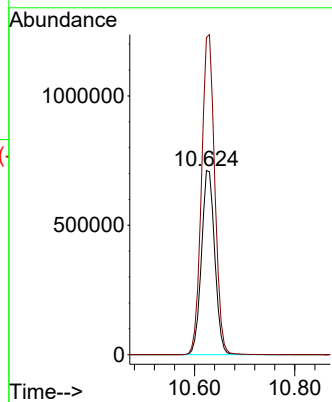
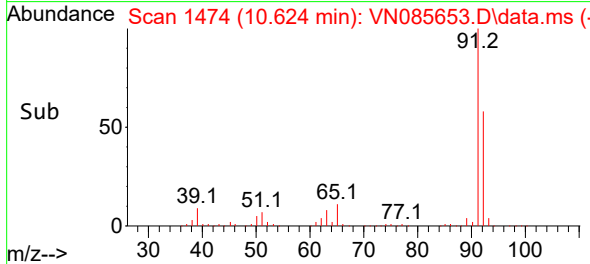
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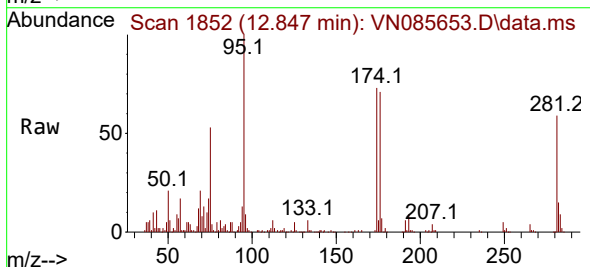
Tgt Ion: 92 Resp: 1309528
Ion Ratio Lower Upper
92 100
91 173.4 139.2 208.8

Manual Integrations
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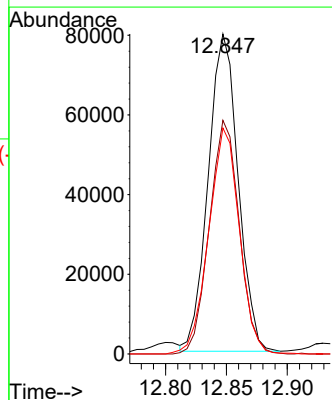
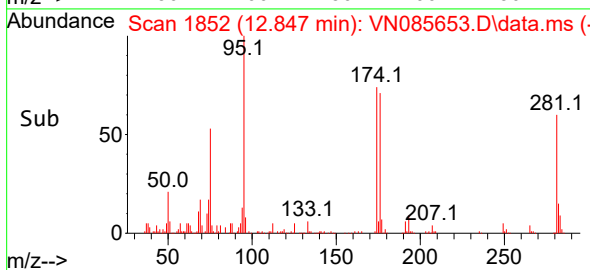
Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

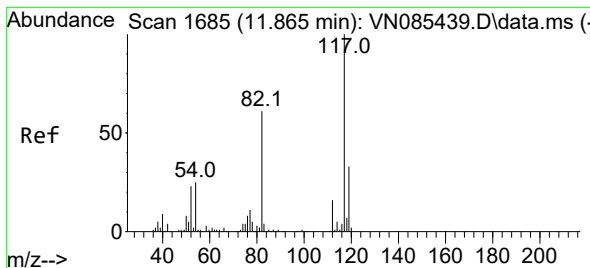


#62
4-Bromofluorobenzene
Concen: 48.326 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49



Tgt Ion: 95 Resp: 136179
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.0
176 72.9 0.0 142.4





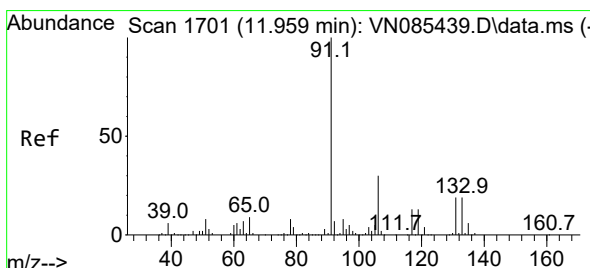
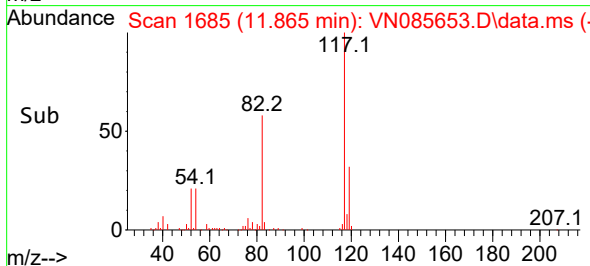
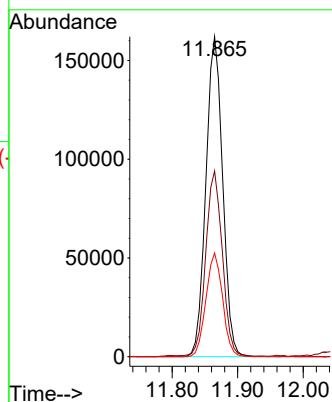
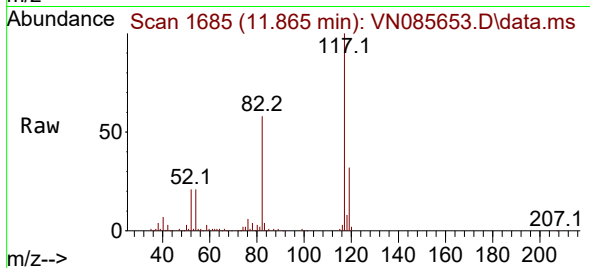
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

Instrument :
MSVOA_N
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BELL-25-002ME

Tgt Ion:117 Resp: 28890
Ion Ratio Lower Upper
117 100
82 57.8 48.6 72.8
119 32.4 26.6 39.8

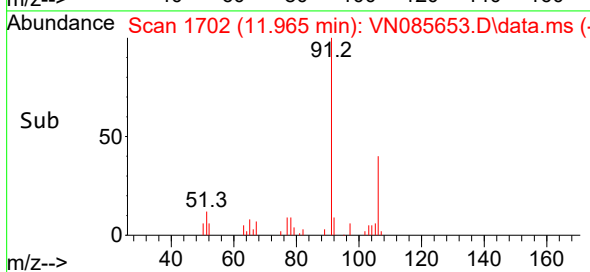
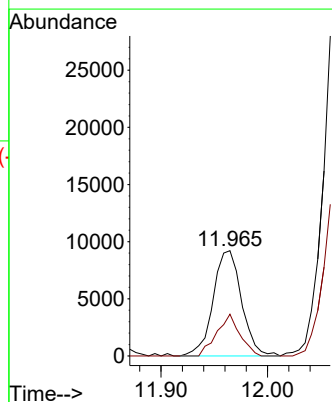
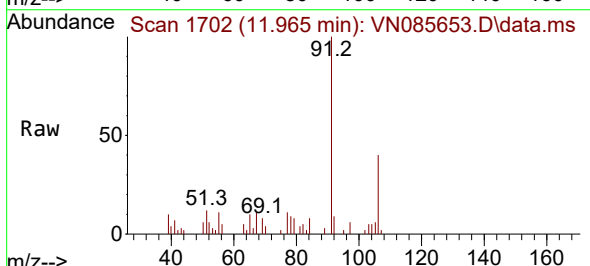
Manual Integrations
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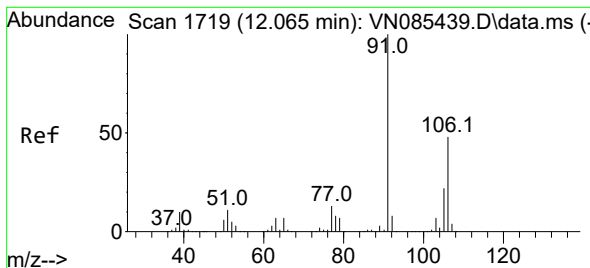
Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



#67
Ethyl Benzene
Concen: 1.661 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

Tgt Ion: 91 Resp: 17119
Ion Ratio Lower Upper
91 100
106 39.7 23.8 35.8#





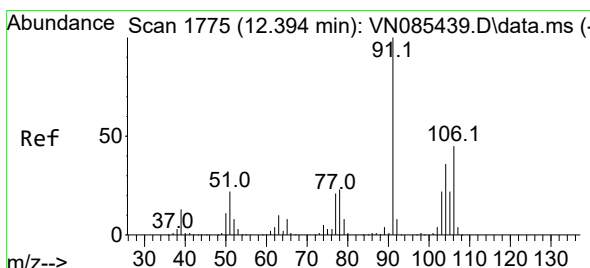
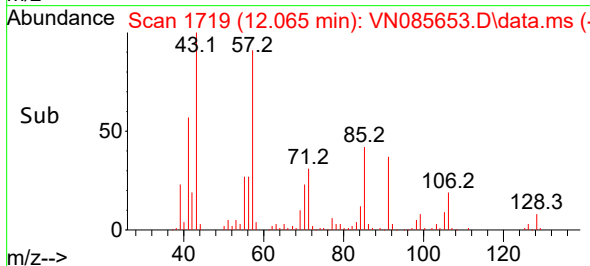
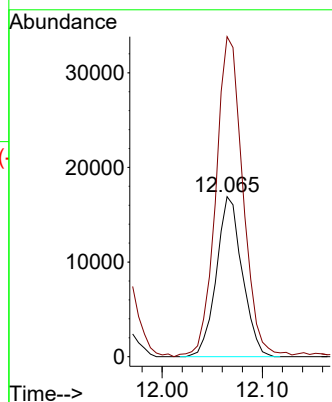
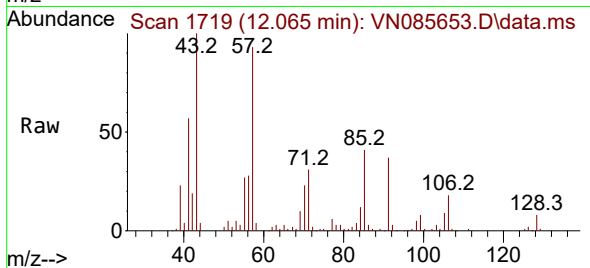
#68
m/p-Xylenes
Concen: 7.926 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
BELL-25-002ME

Tgt Ion:106 Resp: 30190
Ion Ratio Lower Upper
106 100
91 210.0 167.7 251.5

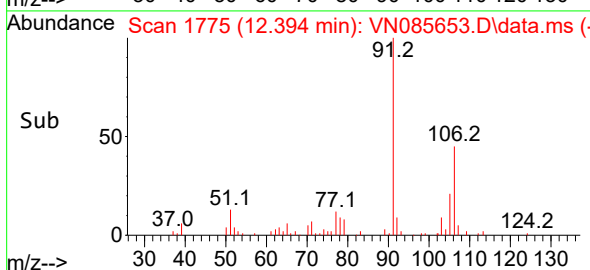
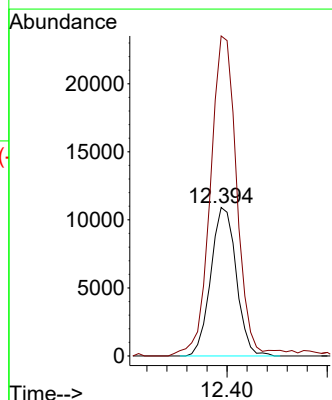
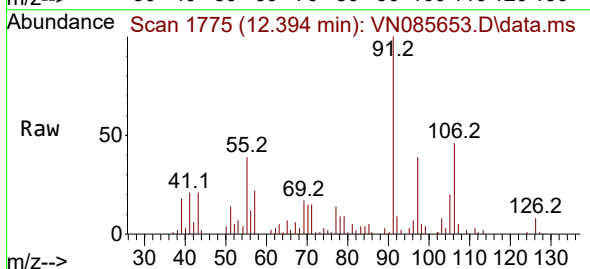
Manual Integrations
APPROVED

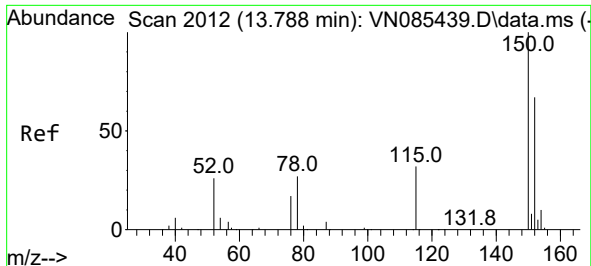
Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



#69
o-Xylene
Concen: 5.287 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

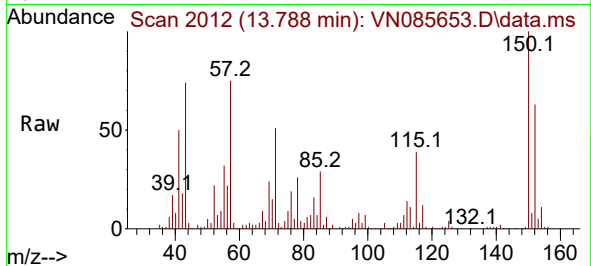
Tgt Ion:106 Resp: 19248
Ion Ratio Lower Upper
106 100
91 222.0 110.4 331.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

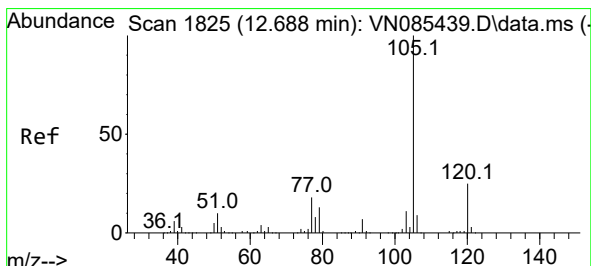
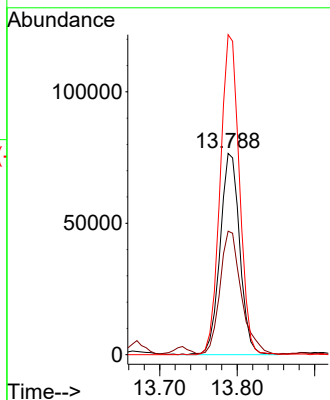
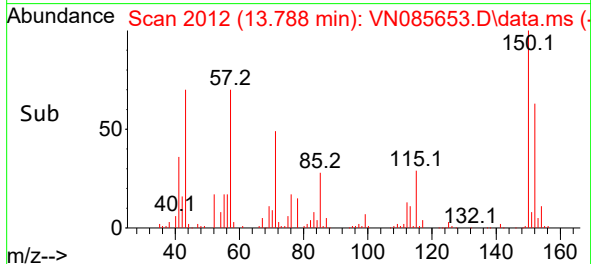
Instrument :
MSVOA_N
ClientSampleId :
BELL-25-002ME



Tgt Ion:152 Resp: 13476
Ion Ratio Lower Upper
152 100
115 66.6 31.1 93.3
150 155.3 0.0 343.6

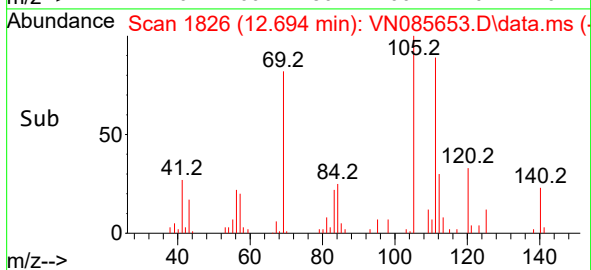
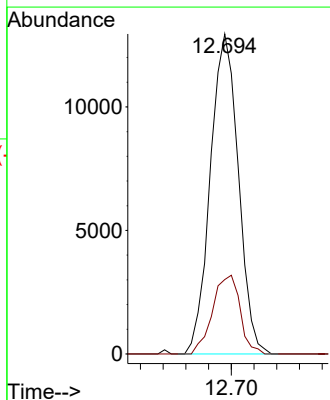
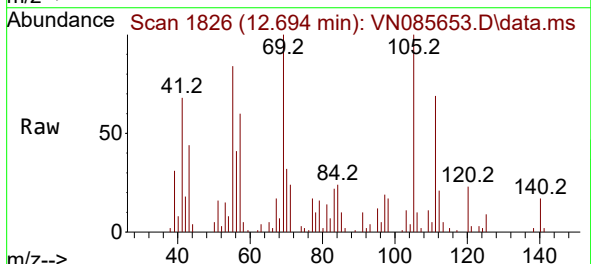
Manual Integrations
APPROVED

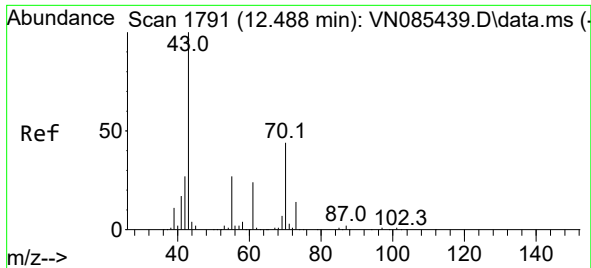
Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



#73
Isopropylbenzene
Concen: 2.440 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

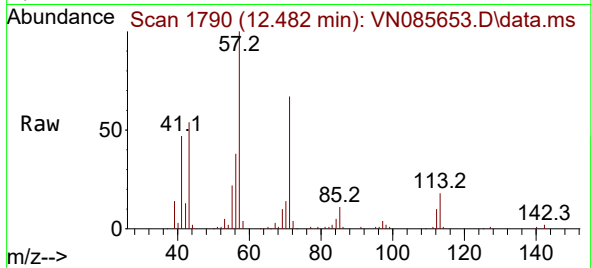
Tgt Ion:105 Resp: 22196
Ion Ratio Lower Upper
105 100
120 24.1 12.8 38.3





#74
N-amy1 acetate
Concen: 11.840 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

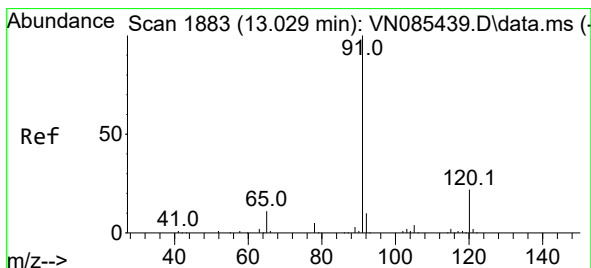
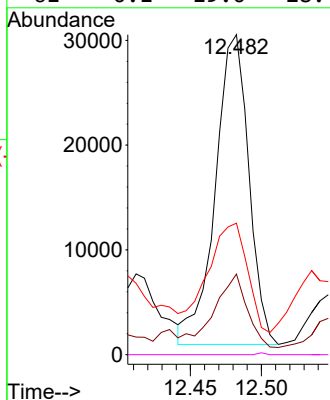
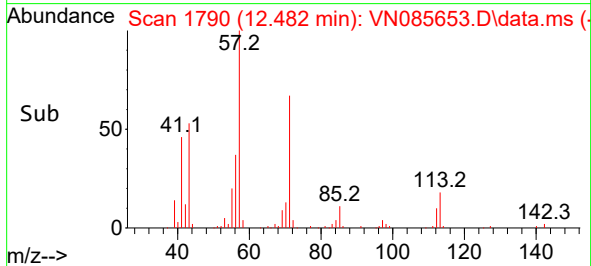
Instrument :
MSVOA_N
ClientSampleId :
BELL-25-002ME



Tgt Ion: 43 Resp: 4840
Ion Ratio Lower Upper
43 100
70 21.7 34.0 51.0
55 41.9 21.4 32.2
61 0.1 19.0 28.4

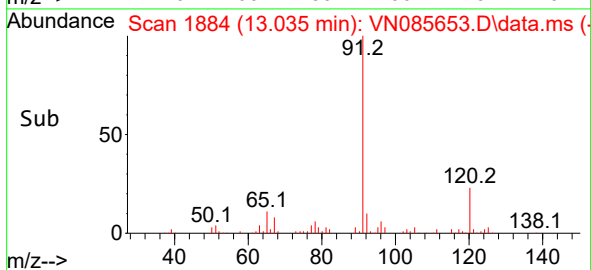
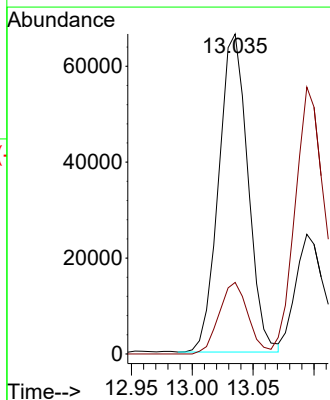
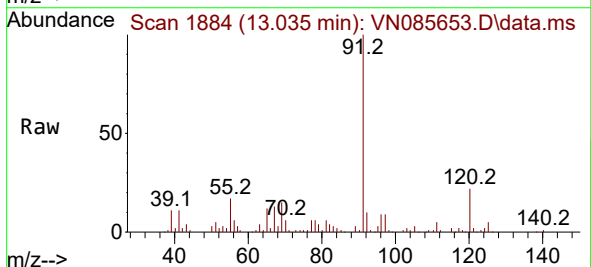
Manual Integrations
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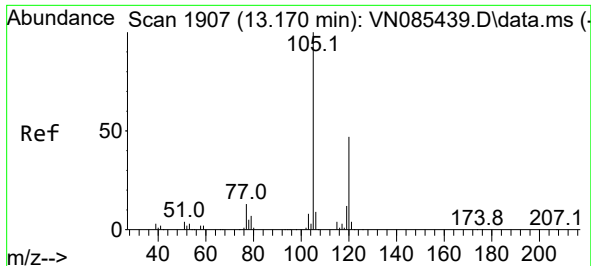
Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



#78
n-propylbenzene
Concen: 10.324 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085653.D
Acq: 04 Feb 2025 15:49

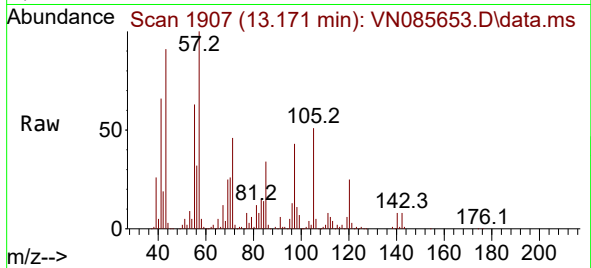
Tgt Ion: 91 Resp: 111164
Ion Ratio Lower Upper
91 100
120 22.3 10.9 32.6





#80
 1,3,5-Trimethylbenzene
 Concen: 19.182 ug/l
 RT: 13.171 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VN085653.D
 Acq: 04 Feb 2025 15:49

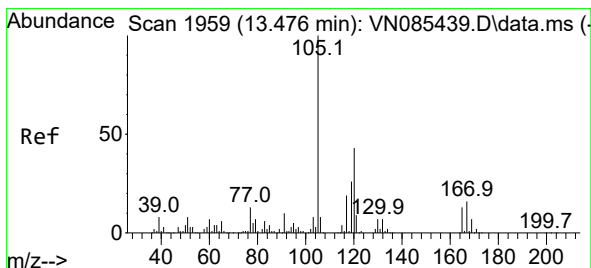
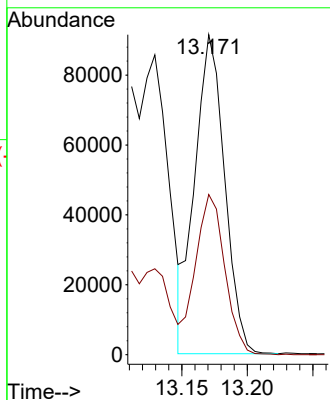
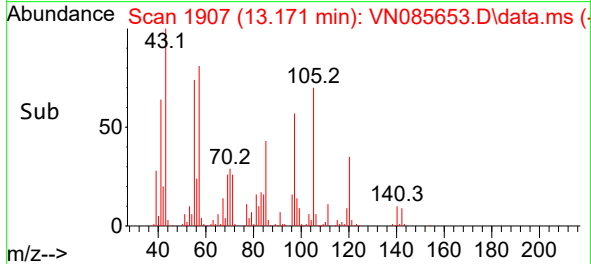
Instrument :
 MSVOA_N
 ClientSampleId :
 BELL-25-002ME



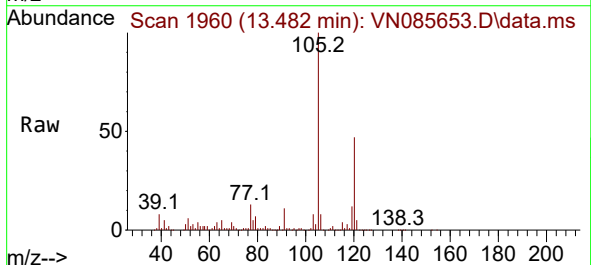
Tgt Ion:105 Resp: 144109
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.9 71.7

Manual Integrations
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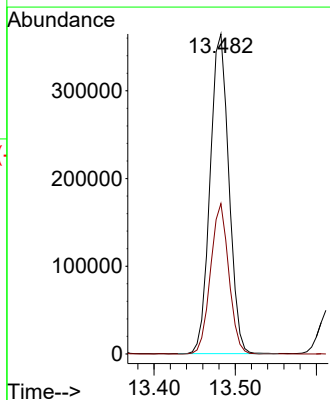
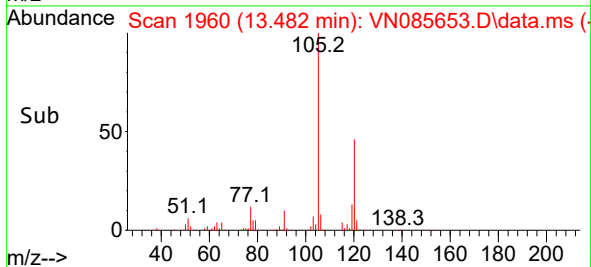
Reviewed By :John Carlone 02/05/2025
 Supervised By :Mahesh Dadoda 02/06/2025

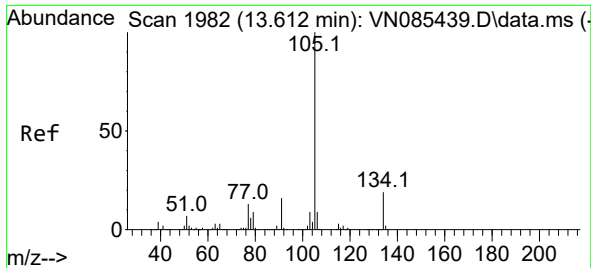


#84
 1,2,4-Trimethylbenzene
 Concen: 78.060 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.006 min
 Lab File: VN085653.D
 Acq: 04 Feb 2025 15:49



Tgt Ion:105 Resp: 584499
 Ion Ratio Lower Upper
 105 100
 120 45.8 21.6 65.0





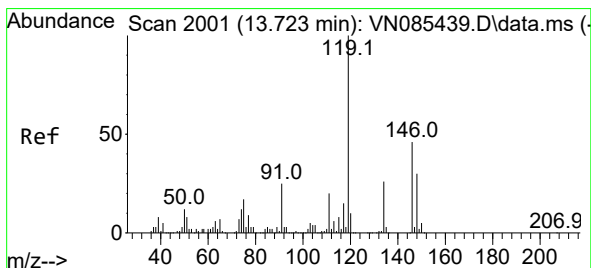
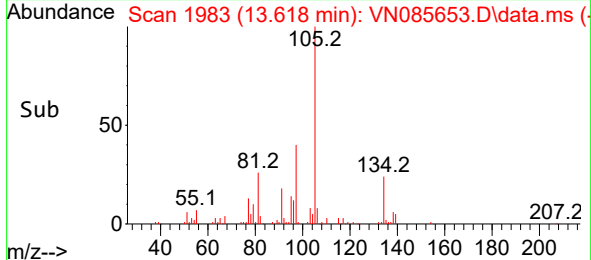
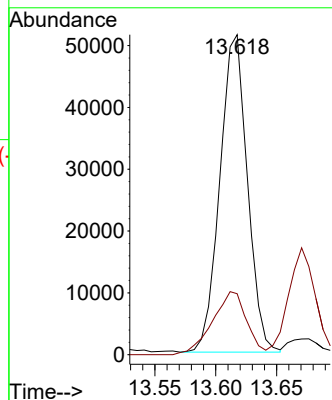
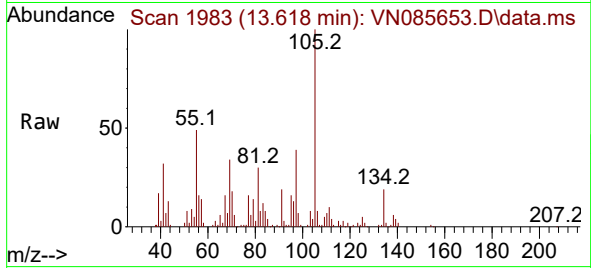
#85
 sec-Butylbenzene
 Concen: 9.256 ug/l
 RT: 13.618 min Scan# 1982
 Delta R.T. 0.006 min
 Lab File: VN085653.D
 Acq: 04 Feb 2025 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BELL-25-002ME

Tgt Ion:105 Resp: 80934
 Ion Ratio Lower Upper
 105 100
 134 24.5 9.7 28.9

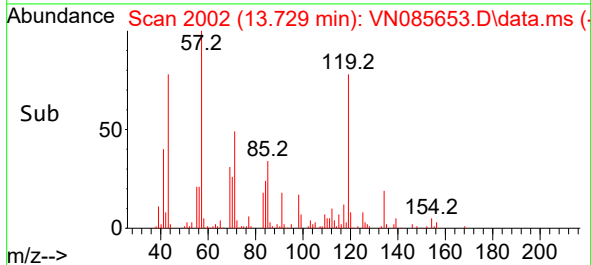
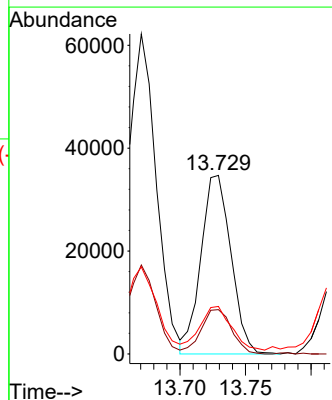
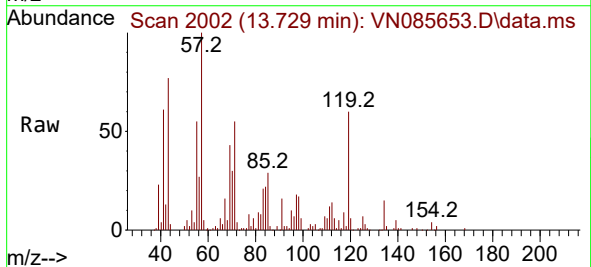
Manual Integrations
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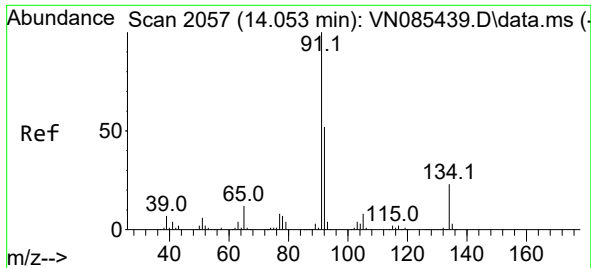
Reviewed By :John Carlone 02/05/2025
 Supervised By :Mahesh Dadoda 02/06/2025



#86
 p-Isopropyltoluene
 Concen: 7.868 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085653.D
 Acq: 04 Feb 2025 15:49

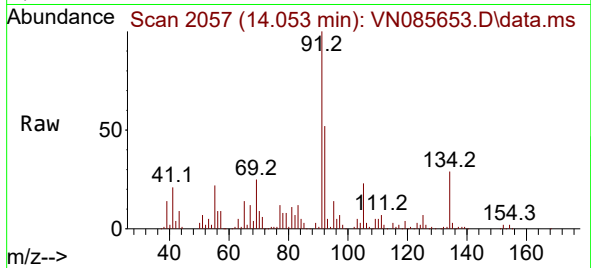
Tgt Ion:119 Resp: 55397
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.0
 91 25.3 12.7 38.1





#89
 n-Butylbenzene
 Concen: 24.951 ug/l m
 RT: 14.053 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: VN085653.D
 Acq: 04 Feb 2025 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 BELL-25-002ME



Tgt Ion:	91	Resp:	156519
Ion Ratio	Lower	Upper	
91	100		
92	52.7	25.8	77.3
134	0.0	11.7	35.1

Manual Integrations
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Reviewed By :John Carlone 02/05/2025
 Supervised By :Mahesh Dadoda 02/06/2025

