

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046602.D
 Acq On : 10 Jun 2025 14:59
 Operator : JC/MD
 Sample : Q2230-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-MW01-060425

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:48:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	112673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99814	49.793	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.580%		
35) Dibromofluoromethane	5.403	113	82766	49.929	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.860%		
50) Toluene-d8	8.653	98	296381	54.231	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	108.460%		
62) 4-Bromofluorobenzene	11.079	95	126825	56.088	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	112.180%		
Target Compounds					Qvalue	
3) Chloromethane	1.307	50	385	0.270	ug/l	90
16) Acetone	2.392	43	36663	50.314	ug/l	95
25) 2-Butanone	4.593	43	9858	8.834	ug/l	91
30) Chloroform	5.111	83	7992	2.642	ug/l	90
31) Cyclohexane	5.489	56	1227	0.527	ug/l	96
39) Methylcyclohexane	7.385	83	2716	0.972	ug/l	91
40) Benzene	6.062	78	2386	0.358	ug/l #	73
52) Toluene	8.726	92	6540	1.597	ug/l	98
67) Ethyl Benzene	10.195	91	36138	3.788	ug/l	95
68) m/p-Xylenes	10.299	106	55836	16.134	ug/l	98
69) o-Xylene	10.640	106	66951	20.001	ug/l	99
73) Isopropylbenzene	10.963	105	12369	1.336	ug/l	99
78) n-propylbenzene	11.305	91	28458	2.539	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	56897	7.374	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	203323	26.048	ug/l	98
85) sec-Butylbenzene	11.890	105	10047	0.995	ug/l	88
89) n-Butylbenzene	12.329	91	11554m	1.398	ug/l	

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

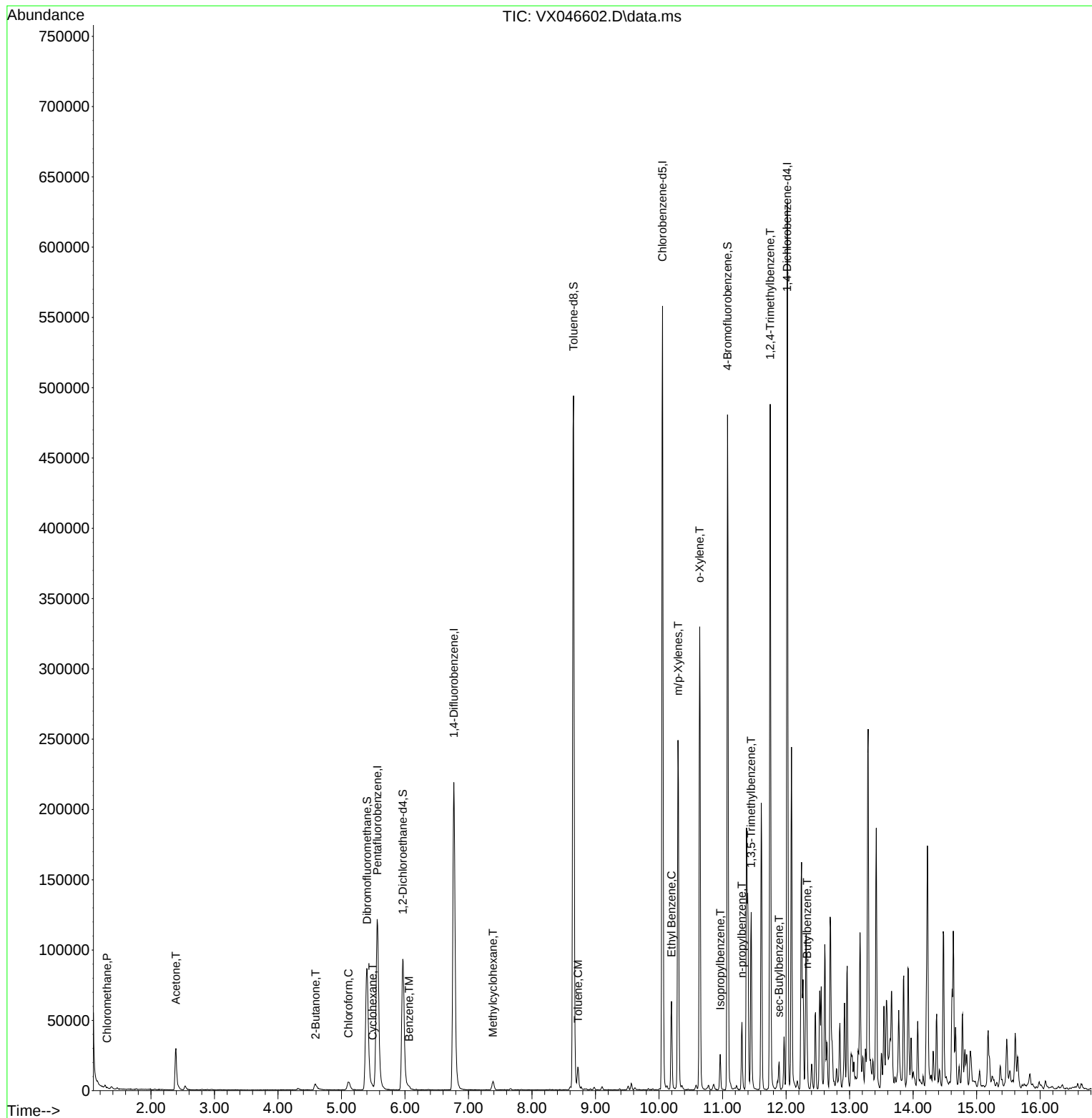
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046602.D
Acq On : 10 Jun 2025 14:59
Operator : JC/MD
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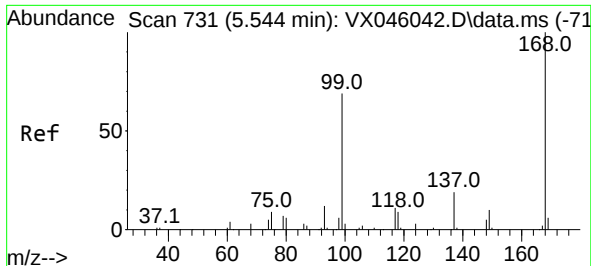
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425

Manual Integrations
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Quant Time: Jun 11 01:48:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration





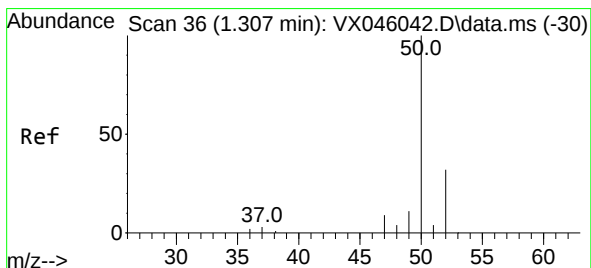
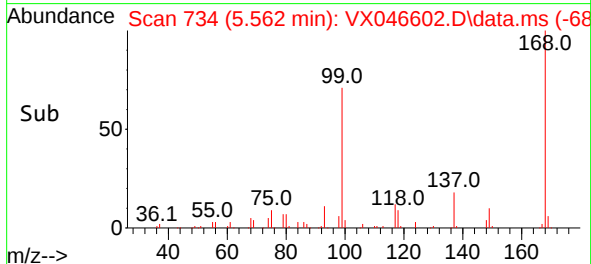
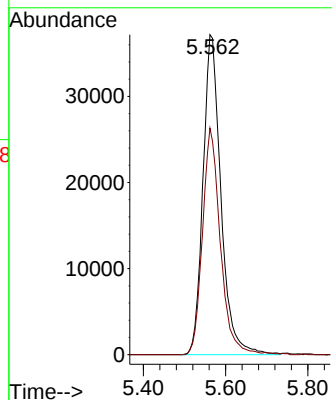
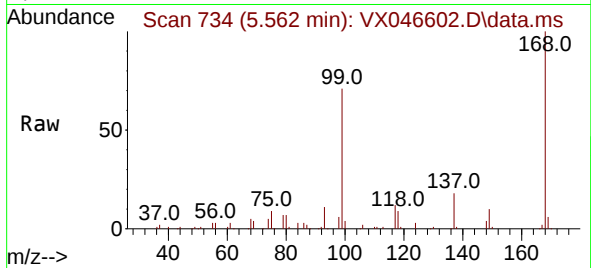
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425

Tgt Ion:168 Resp: 11267
Ion Ratio Lower Upper
168 100
99 70.8 54.9 82.3

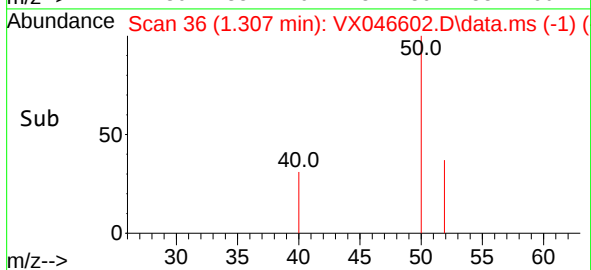
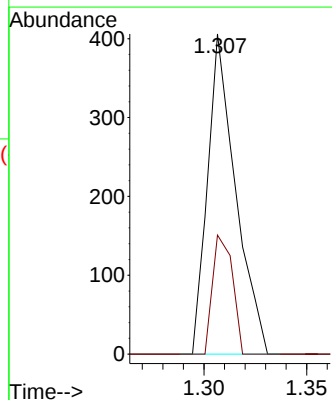
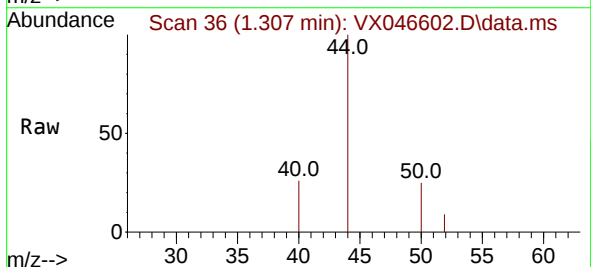
Manual Integrations
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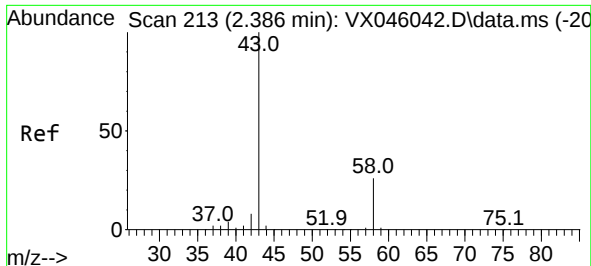
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#3
Chloromethane
Concen: 0.270 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

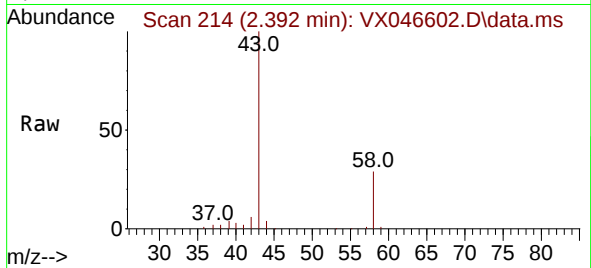
Tgt Ion: 50 Resp: 385
Ion Ratio Lower Upper
50 100
52 37.2 25.4 38.2





#16
Acetone
Concen: 50.314 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

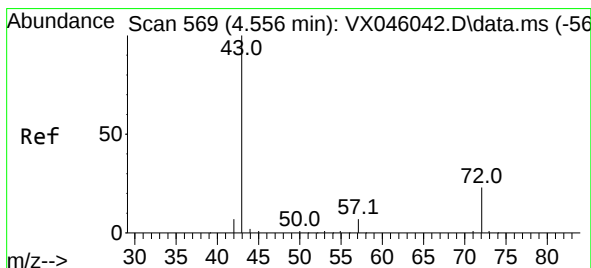
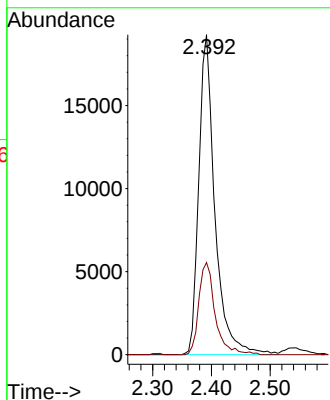
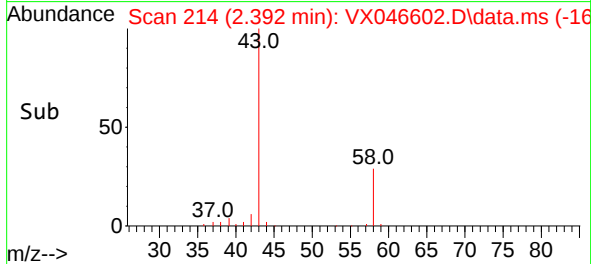
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425



Tgt Ion: 43 Resp: 3666
Ion Ratio Lower Upper
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58 28.8 21.2 31.8

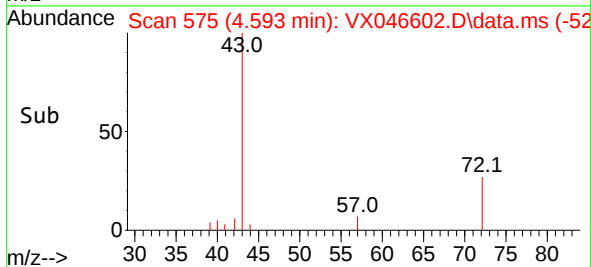
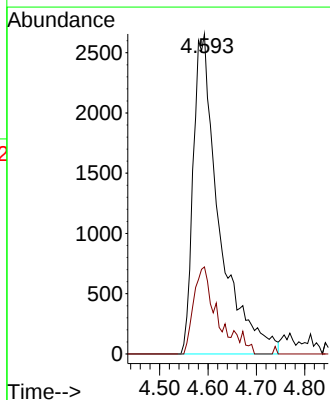
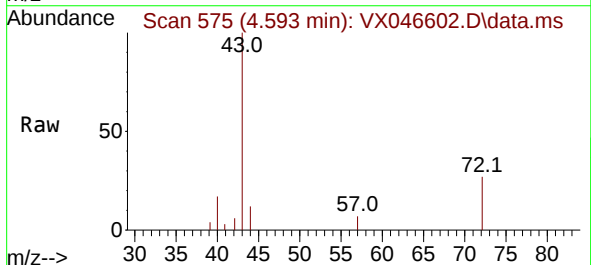
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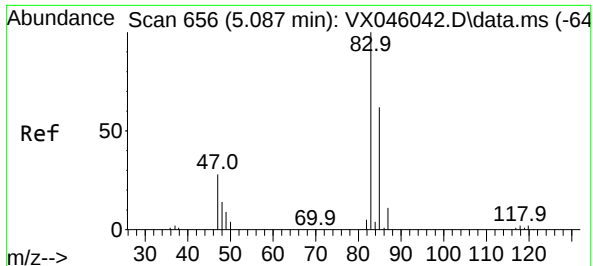
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#25
2-Butanone
Concen: 8.834 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.019 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

Tgt Ion: 43 Resp: 9858
Ion Ratio Lower Upper
43 100
72 27.2 18.4 27.6





#30

Chloroform

Concen: 2.642 ug/l

RT: 5.111 min Scan# 60

Delta R.T. -0.000 min

Lab File: VX046602.D

Acq: 10 Jun 2025 14:59

Instrument :

MSVOA_X

ClientSampleId :

GW-MW01-060425

Tgt Ion: 83 Resp: 799

Ion Ratio Lower Upper

83 100

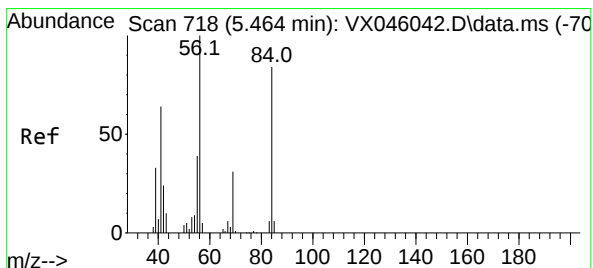
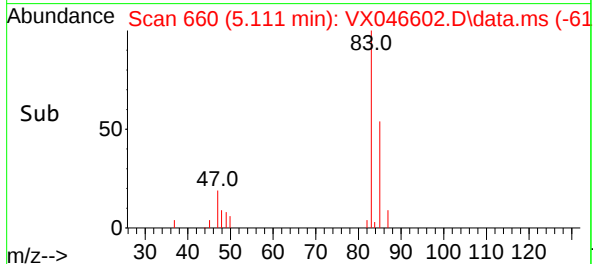
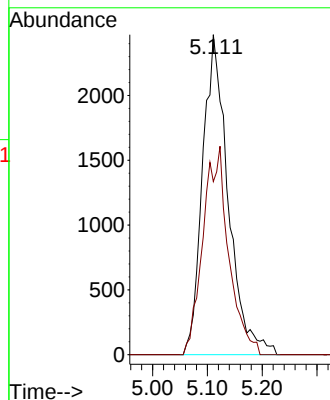
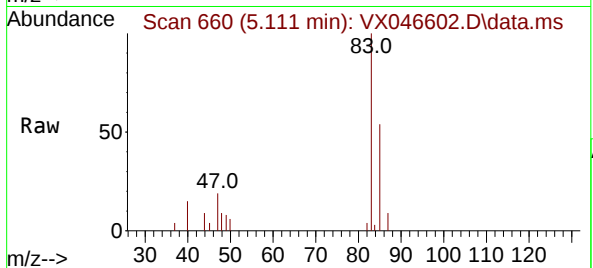
85 54.1 49.3 73.9

Manual Integrations

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Supervised By :Mahesh Dadoda 06/11/2025



#31

Cyclohexane

Concen: 0.527 ug/l

RT: 5.489 min Scan# 722

Delta R.T. -0.000 min

Lab File: VX046602.D

Acq: 10 Jun 2025 14:59

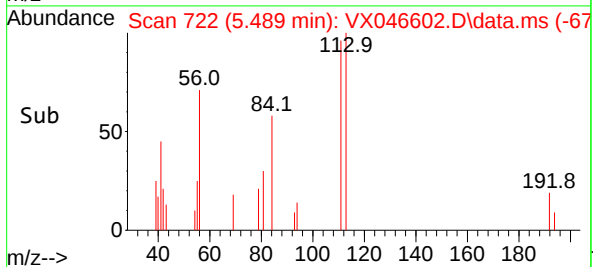
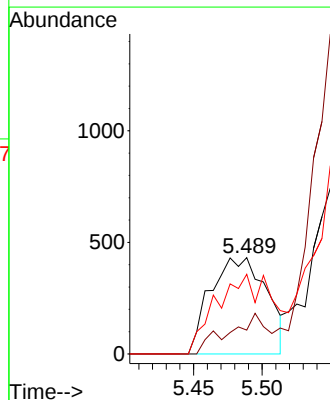
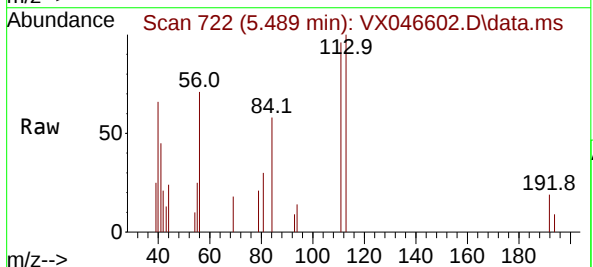
Tgt Ion: 56 Resp: 1227

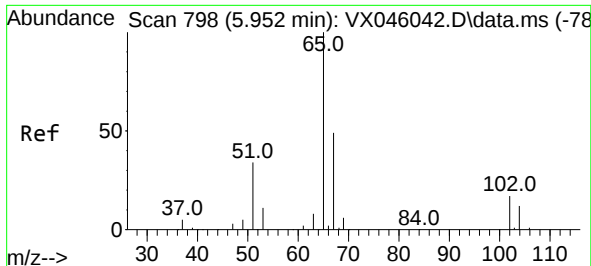
Ion Ratio Lower Upper

56 100

69 24.8 24.4 36.6

84 82.6 66.9 100.3





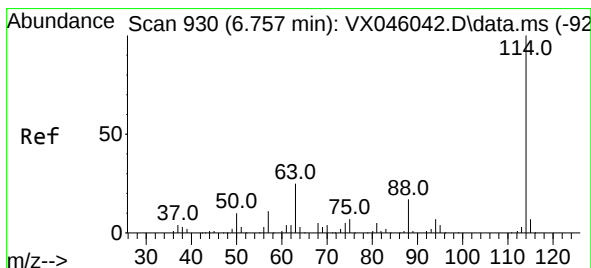
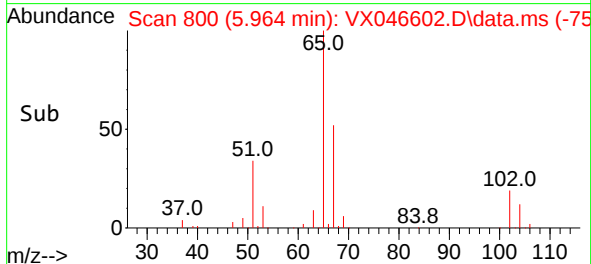
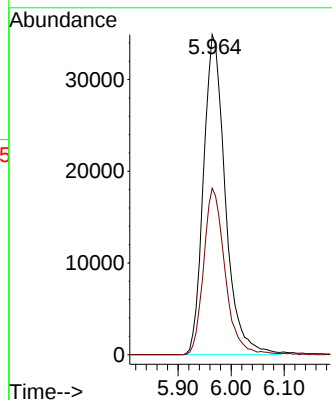
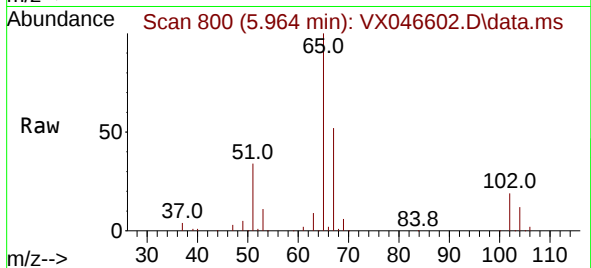
#33
1,2-Dichloroethane-d4
Concen: 49.793 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425

Tgt Ion: 65 Resp: 99814
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.0

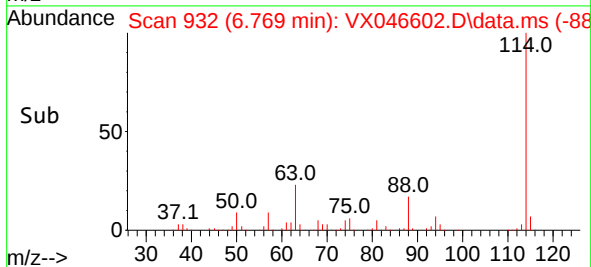
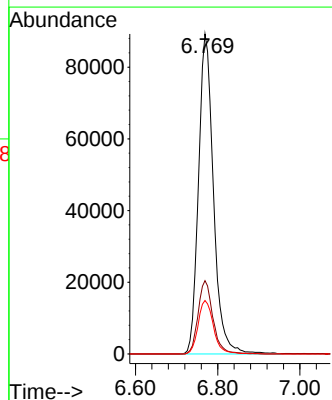
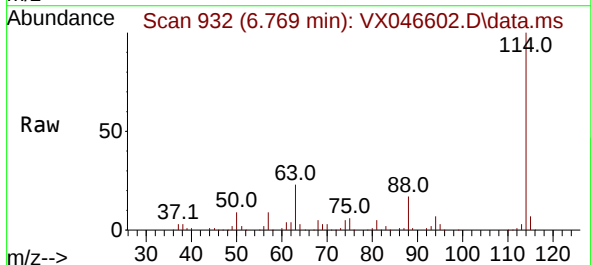
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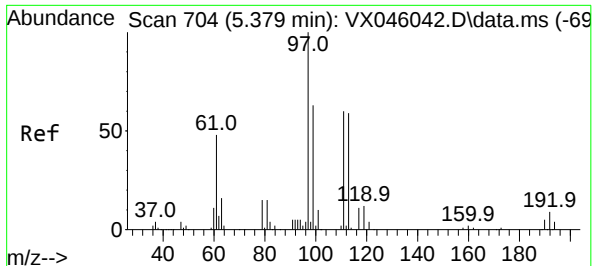
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.006 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

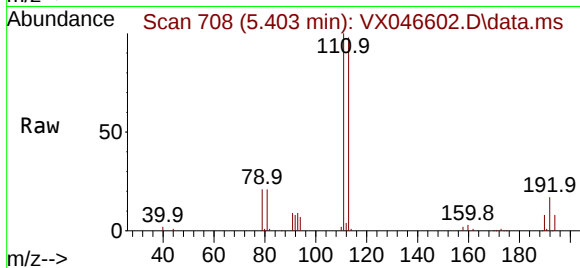
Tgt Ion:114 Resp: 225413
Ion Ratio Lower Upper
114 100
63 22.9 0.0 49.2
88 16.7 0.0 33.6





#35
Dibromofluoromethane
Concen: 49.929 ug/l
RT: 5.403 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

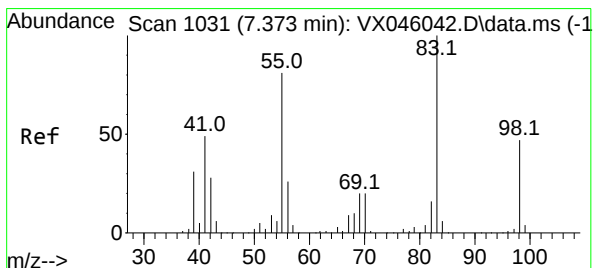
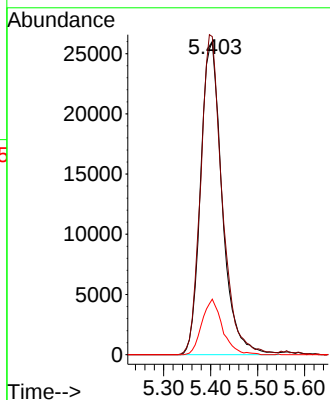
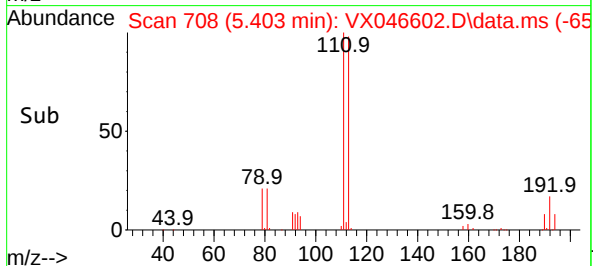
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425



Tgt Ion: 113 Resp: 82760
Ion Ratio Lower Upper
113 100
111 102.4 83.1 124.7
192 16.9 13.3 19.9

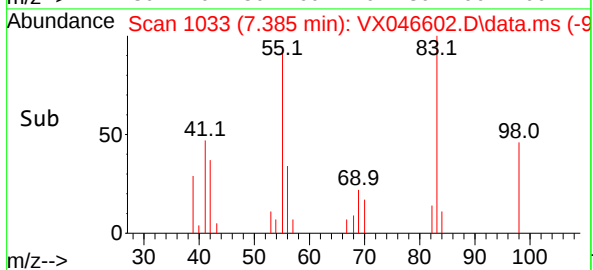
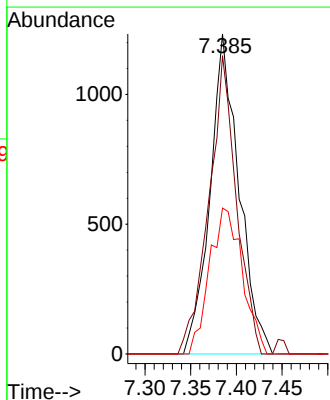
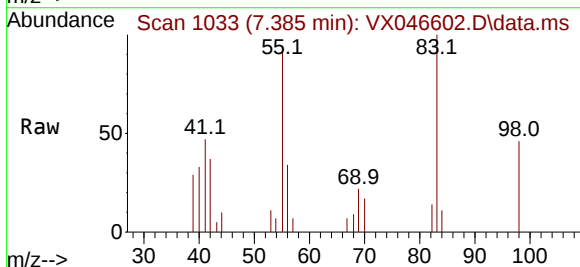
Manual Integrations
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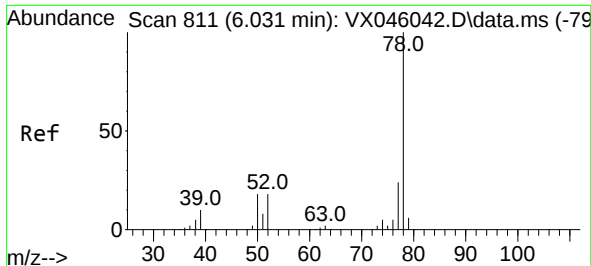
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#39
Methylcyclohexane
Concen: 0.972 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.006 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

Tgt Ion: 83 Resp: 2716
Ion Ratio Lower Upper
83 100
55 93.2 64.7 97.1
98 45.6 37.4 56.2





#40

Benzene

Concen: 0.358 ug/l

RT: 6.062 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX046602.D

Acq: 10 Jun 2025 14:59

Instrument :

MSVOA_X

ClientSampleId :

GW-MW01-060425

Tgt Ion: 78 Resp: 2380

Ion Ratio Lower Upper

78 100

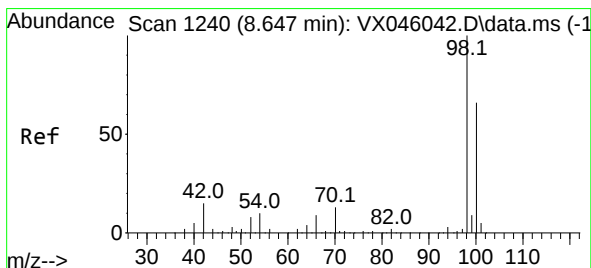
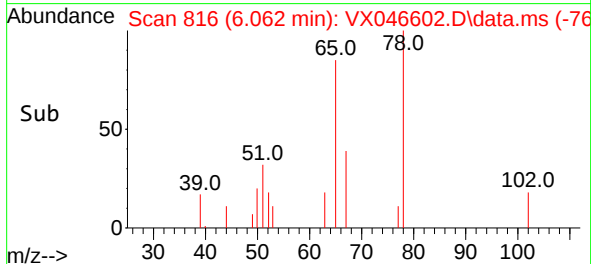
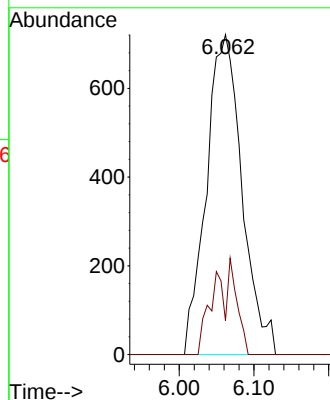
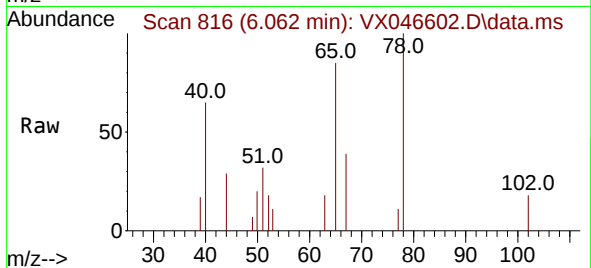
77 10.5 19.0 28.4

Manual Integrations

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Supervised By :Mahesh Dadoda 06/11/2025



#50

Toluene-d8

Concen: 54.231 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX046602.D

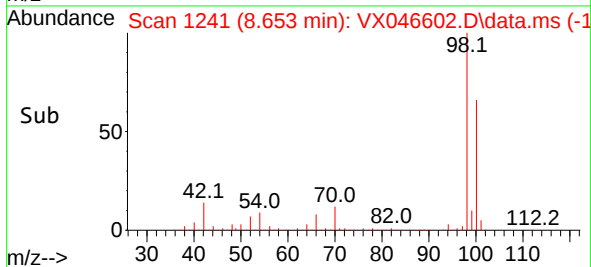
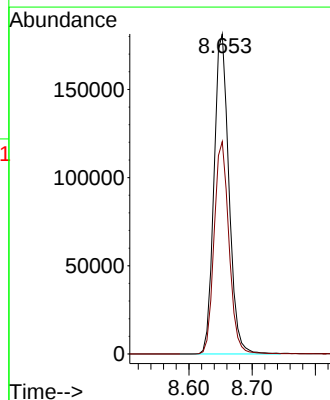
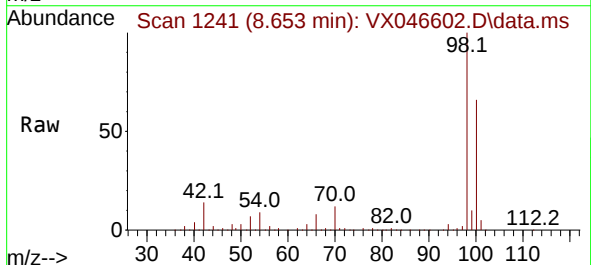
Acq: 10 Jun 2025 14:59

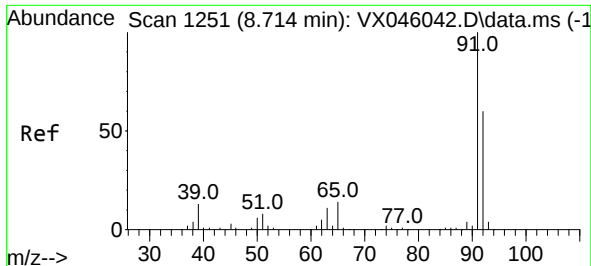
Tgt Ion: 98 Resp: 296381

Ion Ratio Lower Upper

98 100

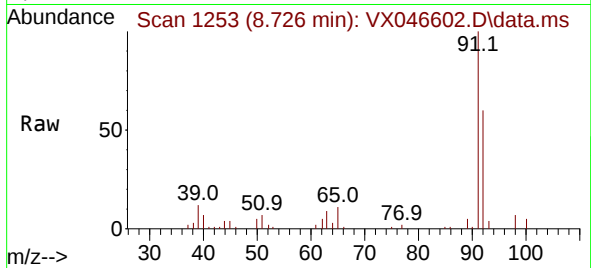
100 66.1 53.5 80.3





#52
Toluene
Concen: 1.597 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

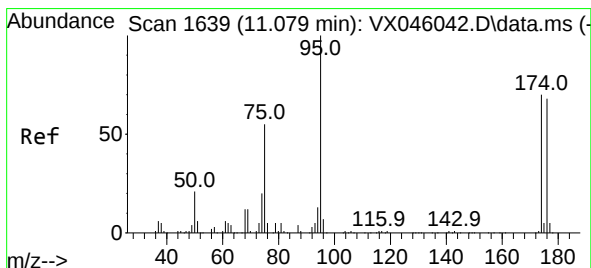
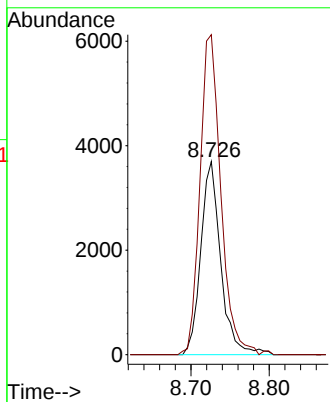
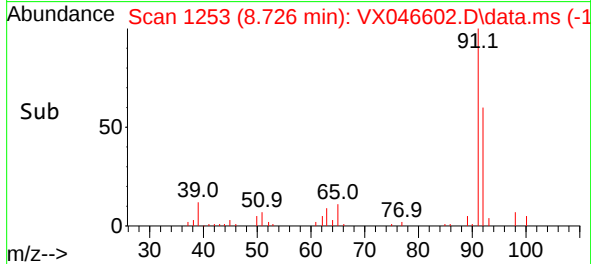
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425



Tgt Ion: 92 Resp: 6540
Ion Ratio Lower Upper
92 100
91 173.7 136.6 205.0

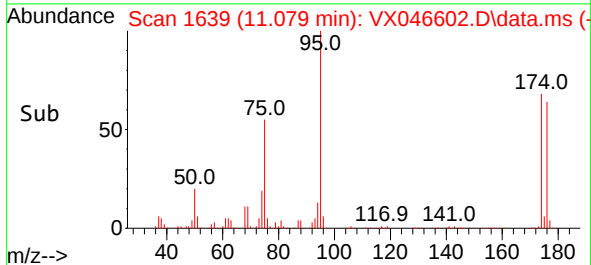
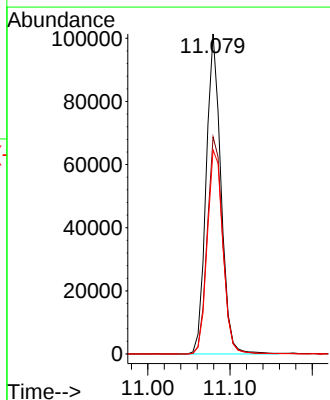
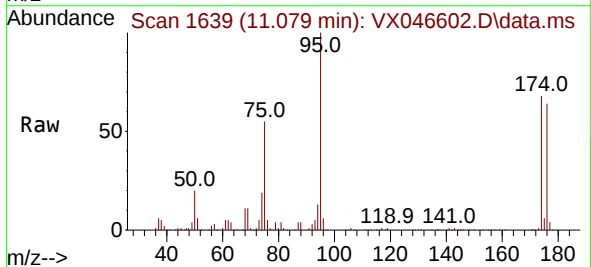
Manual Integrations
APPROVED

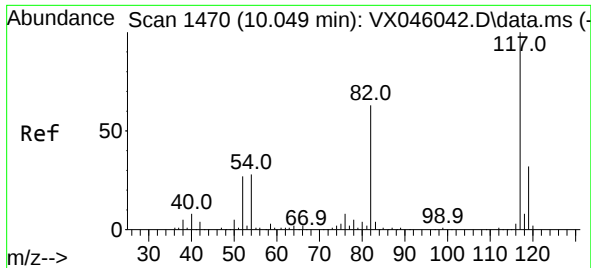
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#62
4-Bromofluorobenzene
Concen: 56.088 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

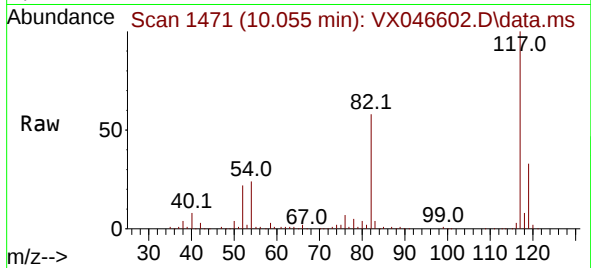
Tgt Ion: 95 Resp: 126825
Ion Ratio Lower Upper
95 100
174 70.4 0.0 135.8
176 67.3 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

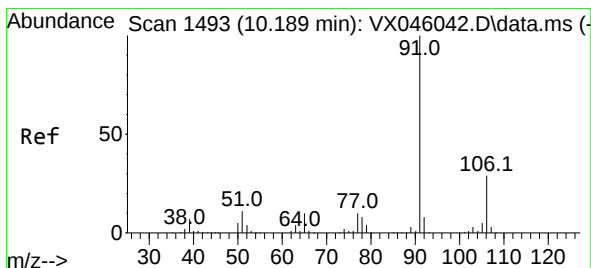
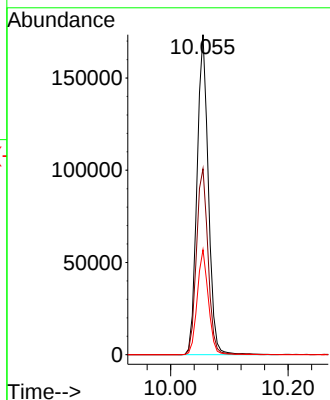
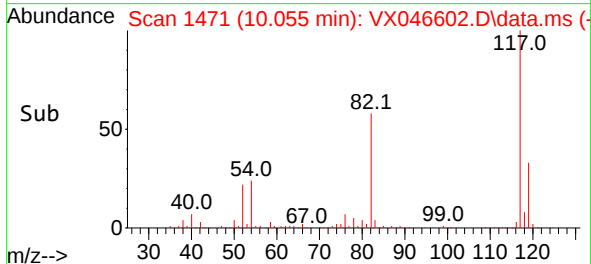
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425



Tgt Ion:117 Resp: 23235
Ion Ratio Lower Upper
117 100
82 58.1 50.6 76.0
119 32.8 25.8 38.6

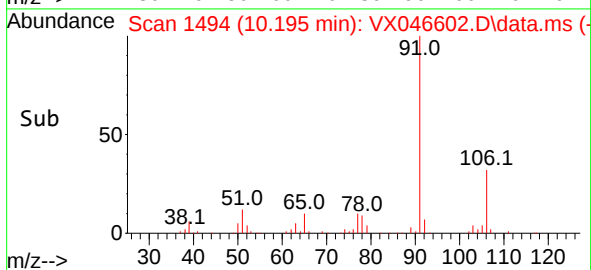
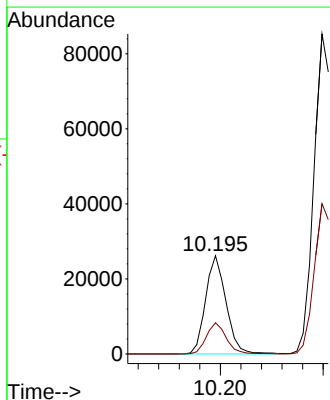
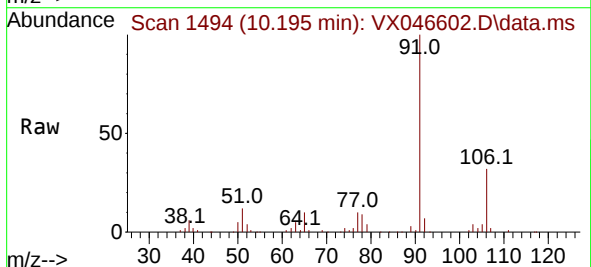
Manual Integrations
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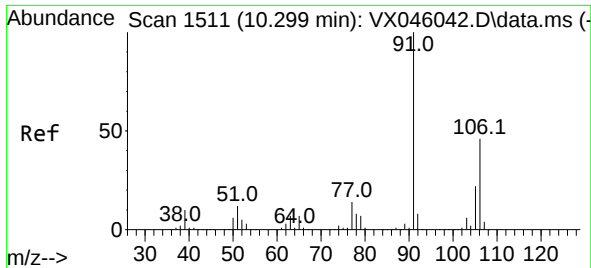
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#67
Ethyl Benzene
Concen: 3.788 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

Tgt Ion: 91 Resp: 36138
Ion Ratio Lower Upper
91 100
106 31.7 23.4 35.2





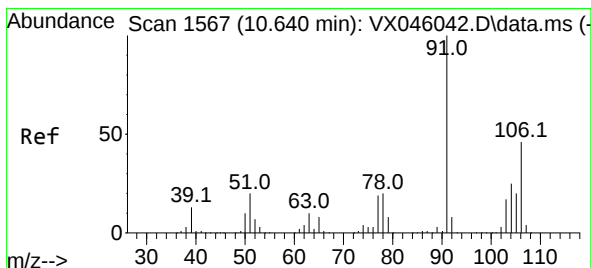
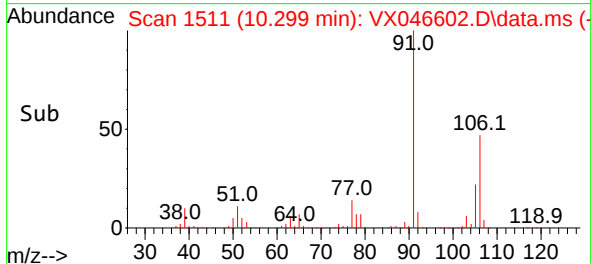
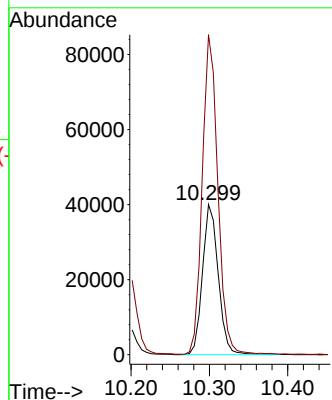
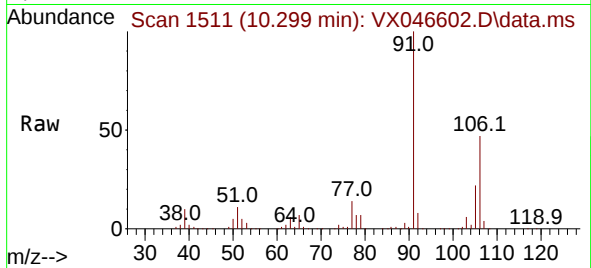
#68
m/p-Xylenes
Concen: 16.134 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425

Tgt Ion:106 Resp: 55830
Ion Ratio Lower Upper
106 100
91 210.7 171.2 256.8

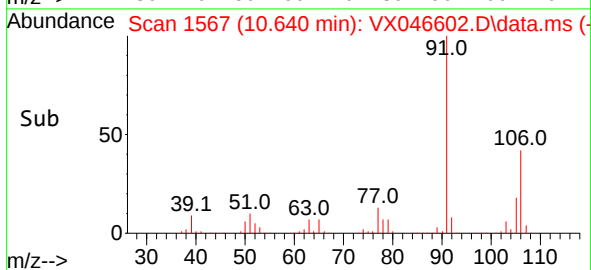
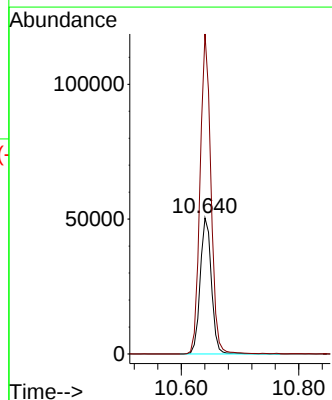
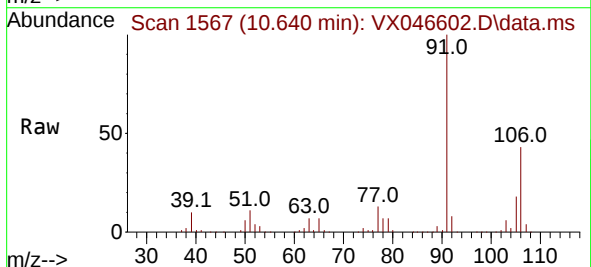
Manual Integrations
APPROVED

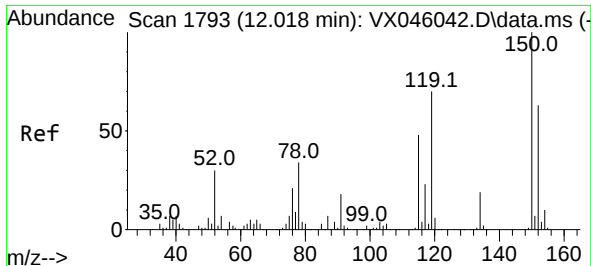
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#69
o-Xylene
Concen: 20.001 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

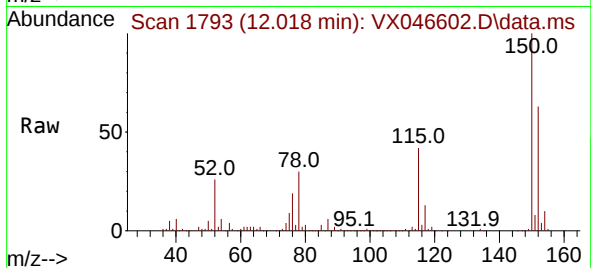
Tgt Ion:106 Resp: 66951
Ion Ratio Lower Upper
106 100
91 227.4 112.7 338.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11778
Delta R.T. -0.006 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

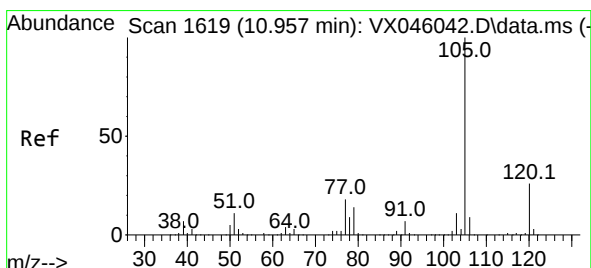
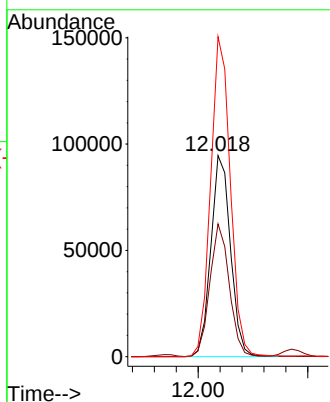
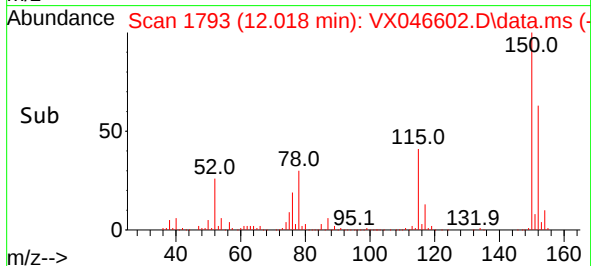
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425



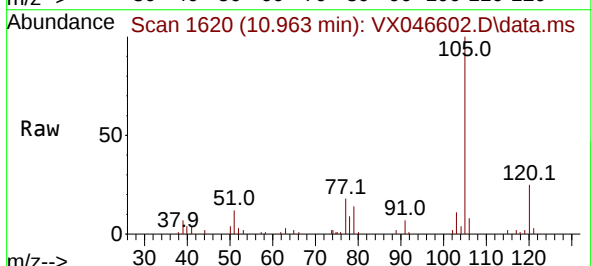
Tgt Ion:152 Resp: 11778
Ion Ratio Lower Upper
152 100
115 65.0 46.9 140.7
150 159.4 0.0 351.0

Manual Integrations
APPROVED

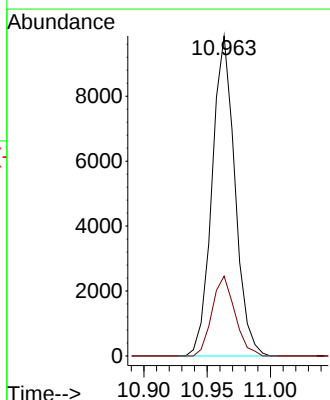
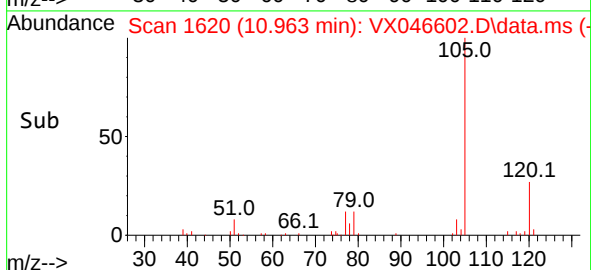
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

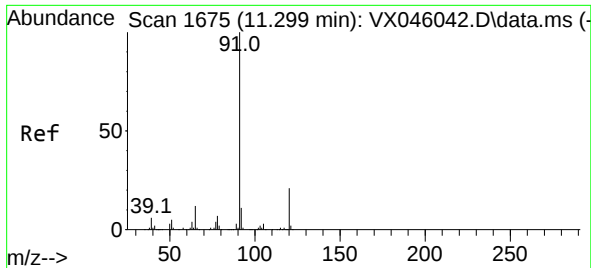


#73
Isopropylbenzene
Concen: 1.336 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59



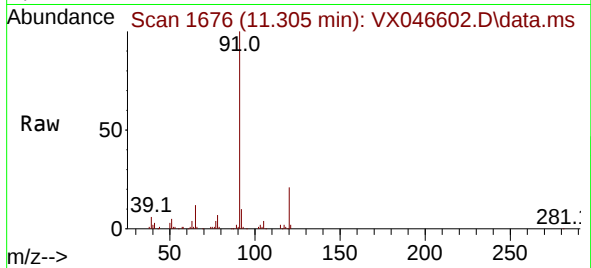
Tgt Ion:105 Resp: 12369
Ion Ratio Lower Upper
105 100
120 25.0 12.8 38.4





#78
n-propylbenzene
Concen: 2.539 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

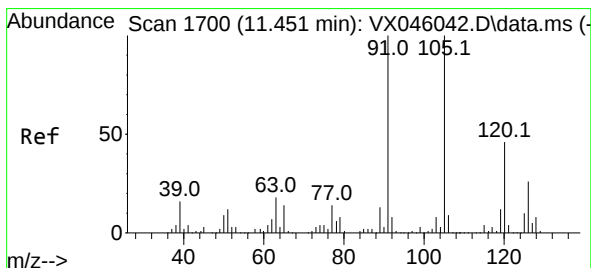
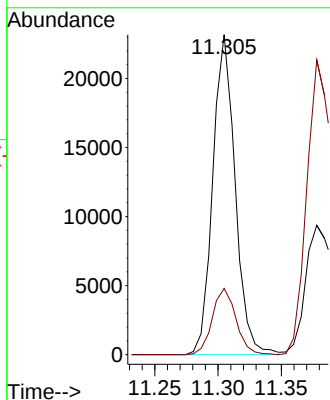
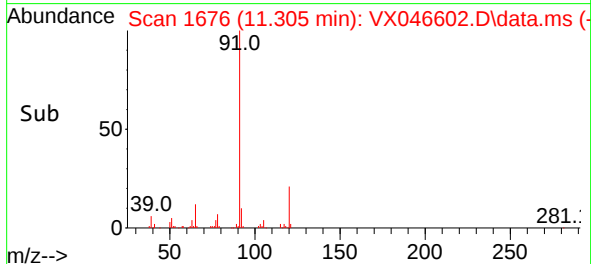
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425



Tgt Ion: 91 Resp: 28458
Ion Ratio Lower Upper
91 100
120 21.9 10.8 32.4

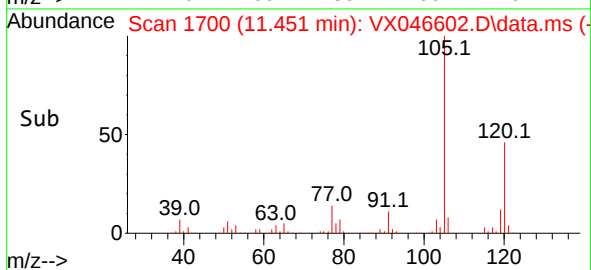
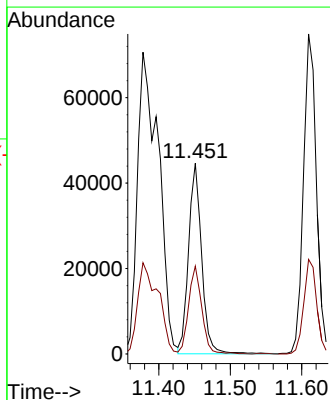
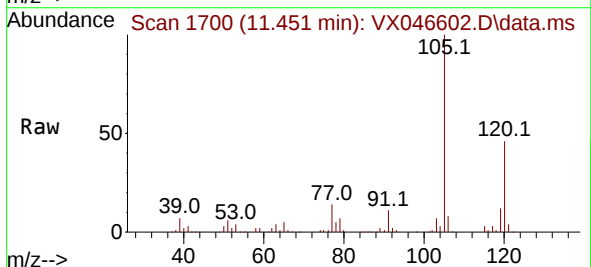
Manual Integrations
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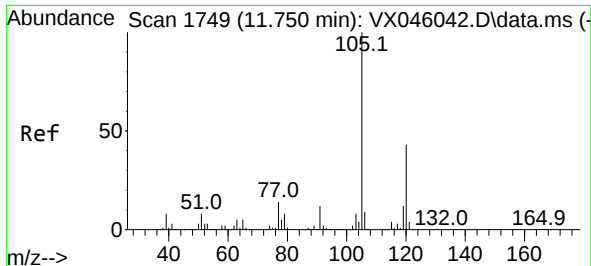
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#80
1,3,5-Trimethylbenzene
Concen: 7.374 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

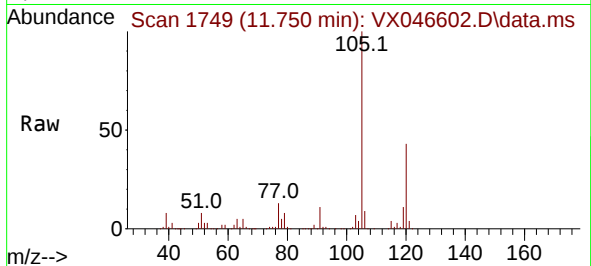
Tgt Ion:105 Resp: 56897
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.2





#84
1,2,4-Trimethylbenzene
Concen: 26.048 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59

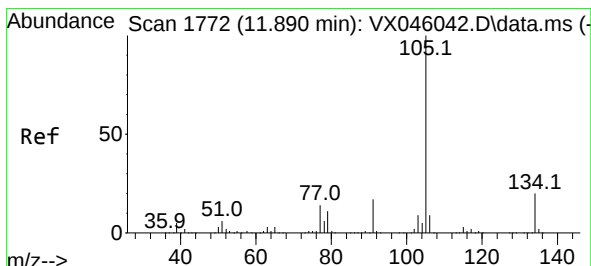
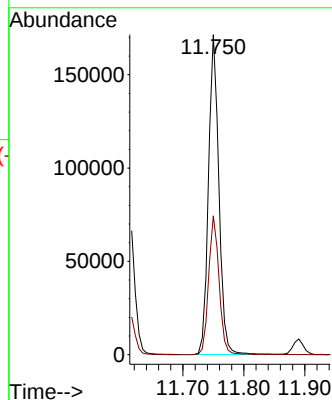
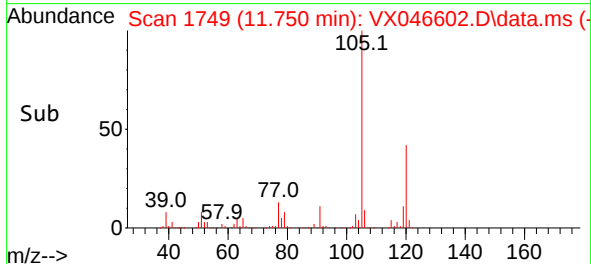
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425



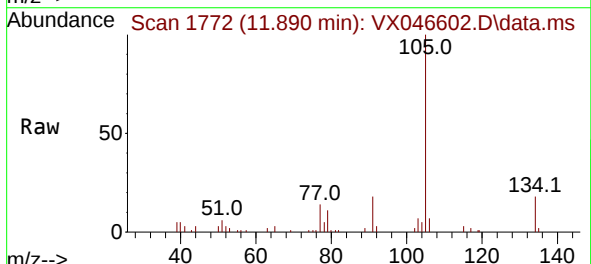
Tgt Ion:105 Resp: 20332
Ion Ratio Lower Upper
105 100
120 43.7 21.2 63.6

Manual Integrations
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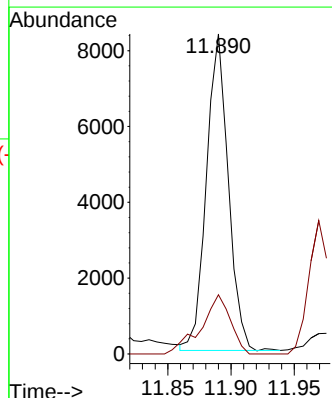
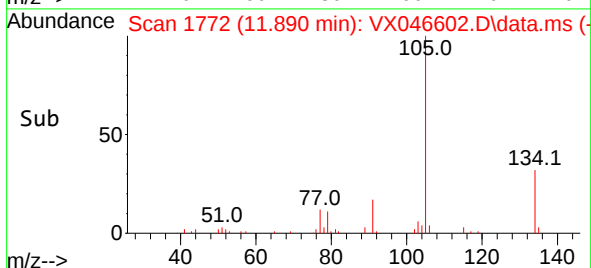
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

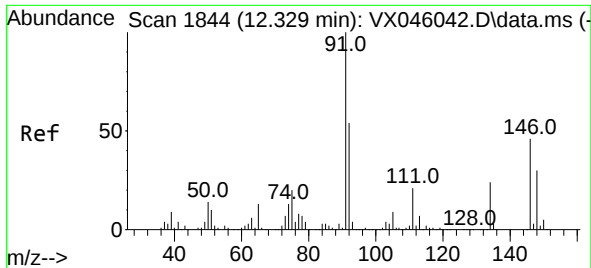


#85
sec-Butylbenzene
Concen: 0.995 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX046602.D
Acq: 10 Jun 2025 14:59



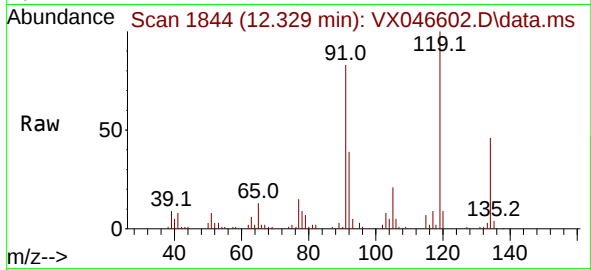
Tgt Ion:105 Resp: 10047
Ion Ratio Lower Upper
105 100
134 25.0 9.7 29.1





#89
 n-Butylbenzene
 Concen: 1.398 ug/l m
 RT: 12.329 min Scan# 1155
 Delta R.T. 0.000 min
 Lab File: VX046602.D
 Acq: 10 Jun 2025 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-MW01-060425



Tgt Ion: 91 Resp: 11554

Ion	Ratio	Lower	Upper
91	100		
92	55.2	26.9	80.7
134	144.7	11.8	35.3

Manual Integrations
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Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025

