

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046603.D
 Acq On : 10 Jun 2025 15:20
 Operator : JC/MD
 Sample : Q2230-03MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-MW01-060425MS

Quant Time: Jun 11 01:49:25 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

Manual Integrations APPROVED

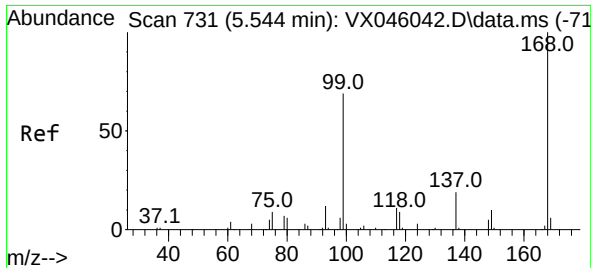
Reviewed By :John
 Carlone
 06/11/2025

Supervised By :Mahesh
 Dadoda
 06/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	526m	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.781	114	1264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	2525	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	2611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.989	65	923	98.631	ug/l	0.02
Spiked Amount 50.000	Range 74 - 125		Recovery = 197.260%#			
35) Dibromofluoromethane	5.397	113	609m	65.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 131.040%#			
50) Toluene-d8	8.665	98	2039	66.534	ug/l	0.01
Spiked Amount 50.000	Range 86 - 113		Recovery = 133.060%#			
62) 4-Bromofluorobenzene	11.085	95	2290	180.606	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 361.220%#			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	172	25.877	ug/l	100
16) Acetone	2.392	43	38228	10216.103	ug/l	92
20) Methylene Chloride	2.812	84	278	37.029	ug/l	92
25) 2-Butanone	4.593	43	9384	1801.339	ug/l	# 85
30) Chloroform	5.111	83	8879	628.807	ug/l	99
31) Cyclohexane	5.483	56	1093	100.465	ug/l	# 88
39) Methylcyclohexane	7.391	83	2367	151.031	ug/l	90
40) Benzene	6.056	78	1938	51.847	ug/l	# 85
47) Bromodichloromethane	7.830	83	278	18.627	ug/l	# 94
52) Toluene	8.720	92	5721	249.127	ug/l	98
67) Ethyl Benzene	10.195	91	33038	318.680	ug/l	98
68) m/p-Xylenes	10.299	106	54340	1444.947	ug/l	97
69) o-Xylene	10.640	106	64391	1770.196	ug/l	100
73) Isopropylbenzene	10.963	105	11993	58.431	ug/l	98
78) n-propylbenzene	11.305	91	26288	105.817	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	56466	330.142	ug/l	98
82) 4-Chlorotoluene	11.451	91	6292	35.434	ug/l	# 48
84) 1,2,4-Trimethylbenzene	11.750	105	202822	1172.207	ug/l	99
85) sec-Butylbenzene	11.890	105	9676	43.250	ug/l	94
86) p-Isopropyltoluene	12.006	119	5783	31.007	ug/l	89
89) n-Butylbenzene	12.329	91	13229m	72.229	ug/l	

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l m
RT: 5.562 min Scan# 734
Delta R.T. -0.006 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

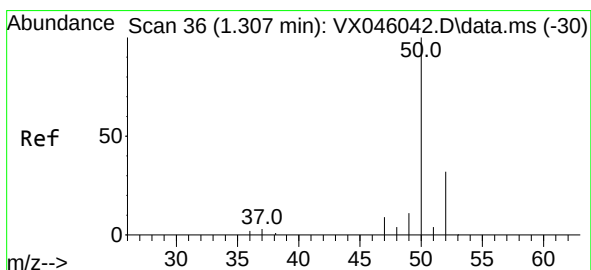
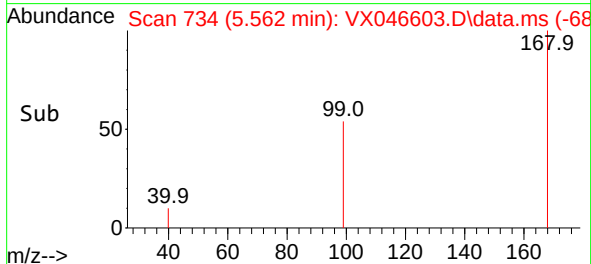
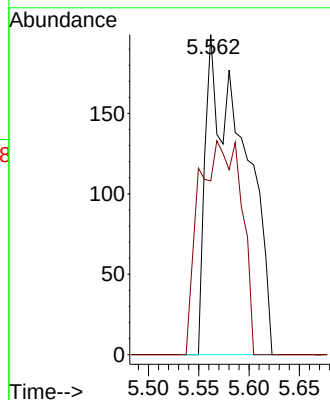
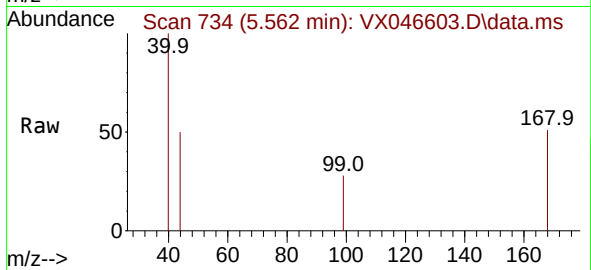
Instrument : MSVOA_X
ClientSampleId : GW-MW01-060425MS

Tgt Ion:168 Resp: 520
Ion Ratio Lower Upper
168 100
99 54.3 54.9 82.3

Manual Integrations
APPROVED

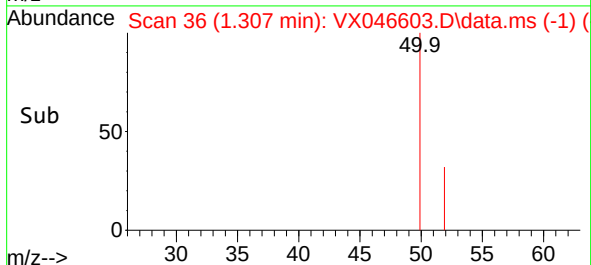
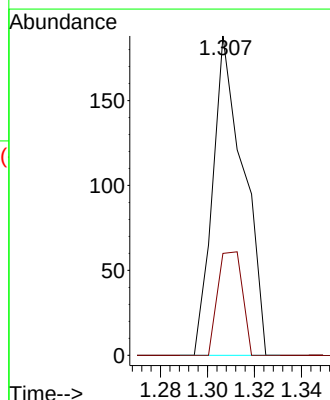
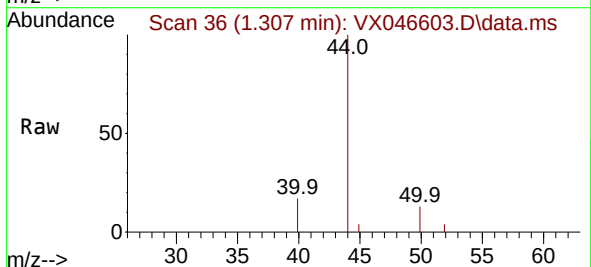
Reviewed By :John
Carlone
06/11/2025

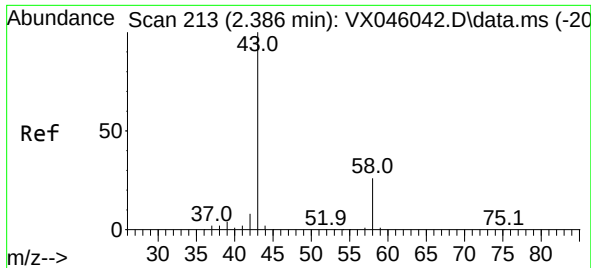
Supervised By :Mahesh
Dadoda
06/11/2025



#3
Chloromethane
Concen: 25.877 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

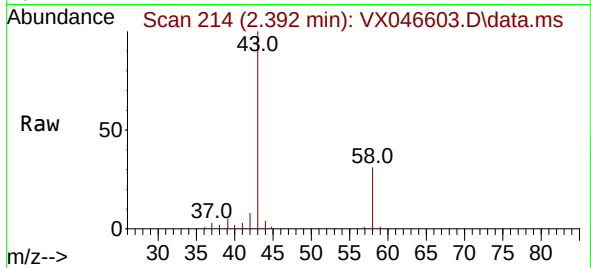
Tgt Ion: 50 Resp: 172
Ion Ratio Lower Upper
50 100
52 31.9 25.4 38.2





#16
Acetone
Concen: 10216.103 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

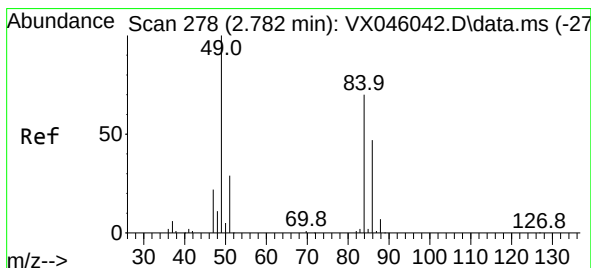
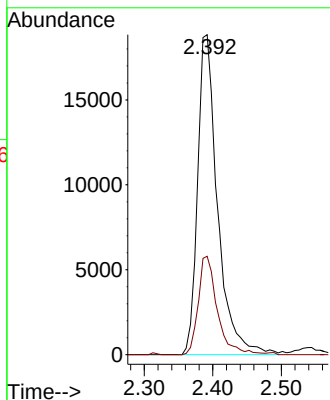
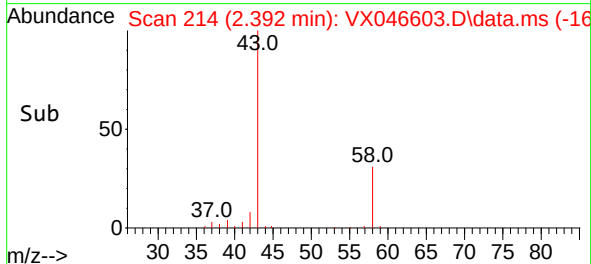


Tgt Ion: 43 Resp: 38228
Ion Ratio Lower Upper
43 100
58 30.7 21.2 31.8

Manual Integrations
APPROVED

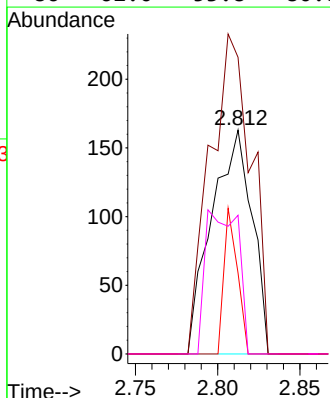
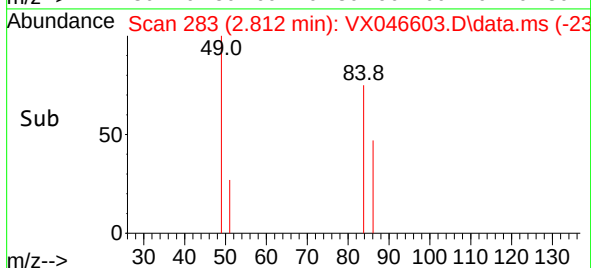
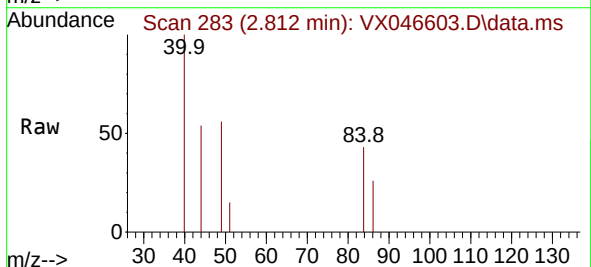
Reviewed By :John
Carlone
06/11/2025

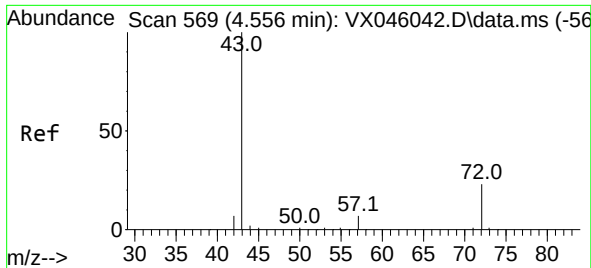
Supervised By :Mahesh
Dadoda
06/11/2025



#20
Methylene Chloride
Concen: 37.029 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

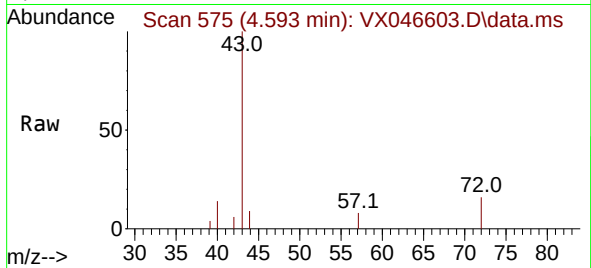
Tgt Ion: 84 Resp: 278
Ion Ratio Lower Upper
84 100
49 132.5 113.9 170.9
51 36.2 33.5 50.3
86 62.0 53.8 80.8





#25
2-Butanone
Concen: 1801.339 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

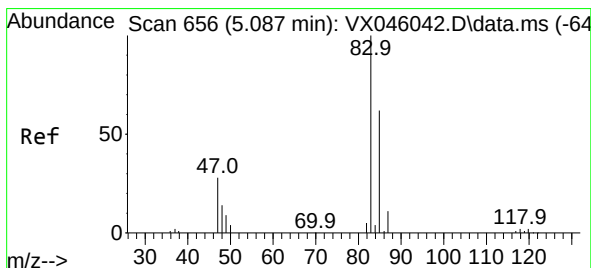
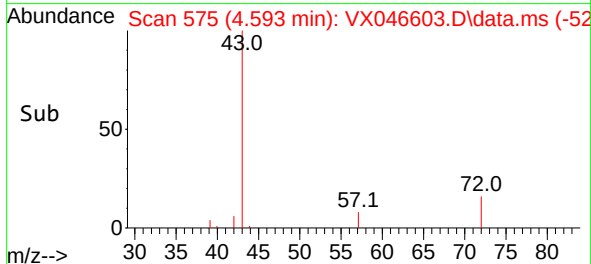
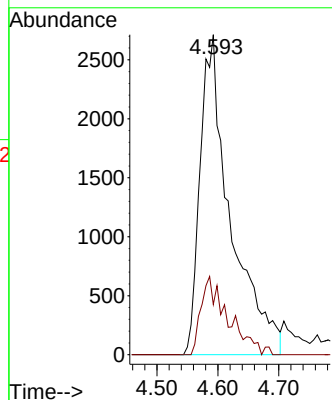


Tgt Ion: 43 Resp: 9384
Ion Ratio Lower Upper
43 100
72 15.7 18.4 27.6

Manual Integrations
APPROVED

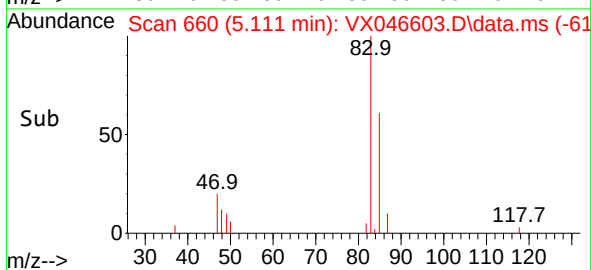
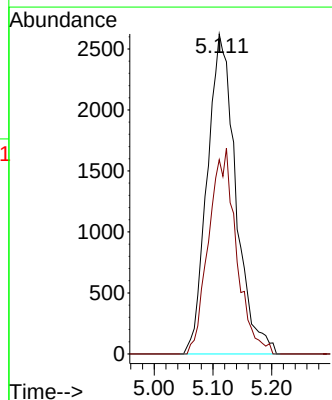
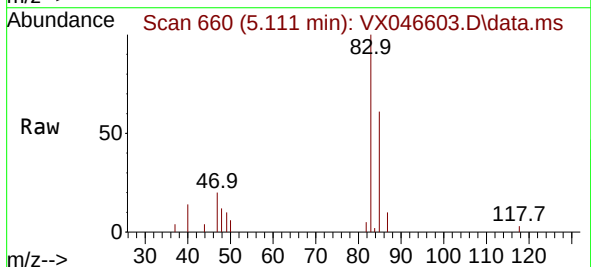
Reviewed By :John
Carlone
06/11/2025

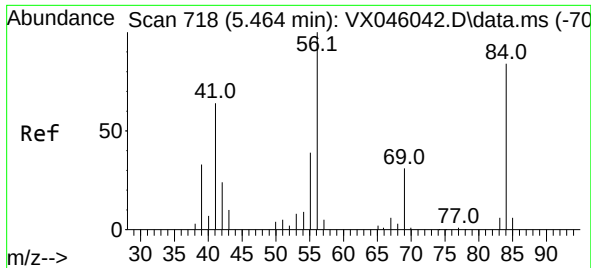
Supervised By :Mahesh
Dadoda
06/11/2025



#30
Chloroform
Concen: 628.807 ug/l
RT: 5.111 min Scan# 660
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

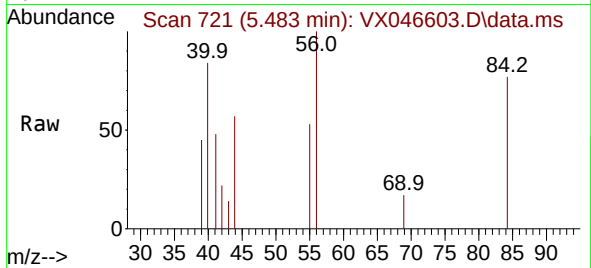
Tgt Ion: 83 Resp: 8879
Ion Ratio Lower Upper
83 100
85 60.7 49.3 73.9





#31
Cyclohexane
Concen: 100.465 ug/l
RT: 5.483 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

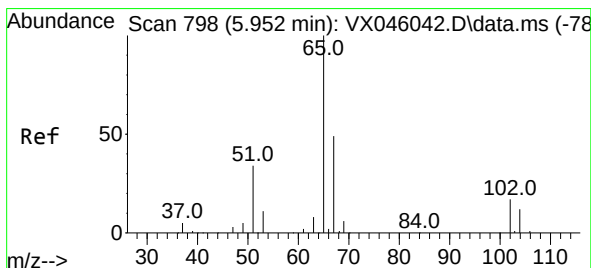
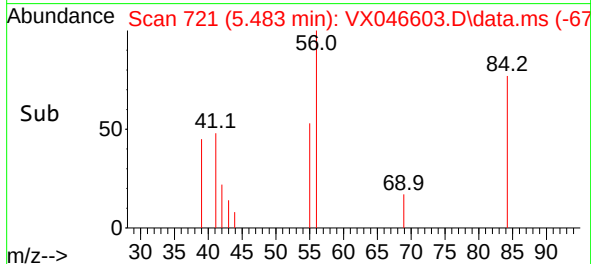
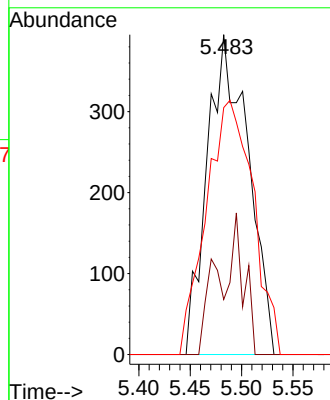


Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
69 17.2 24.4 36.6
84 77.2 66.9 100.3

Manual Integrations
APPROVED

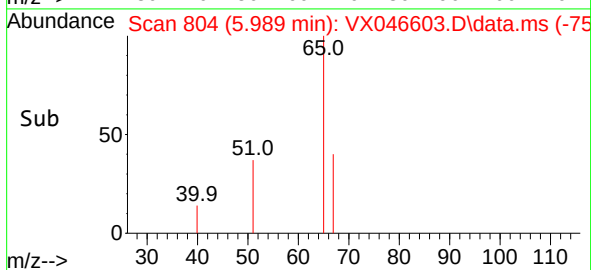
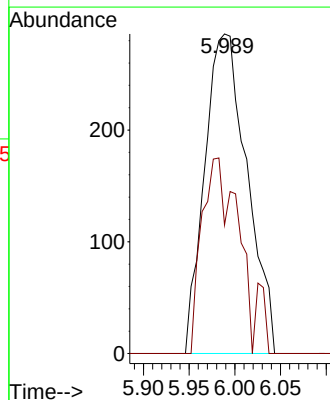
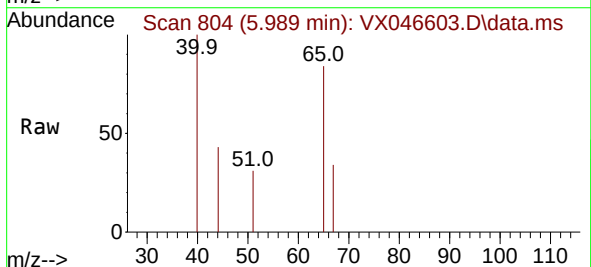
Reviewed By :John
Carlone
06/11/2025

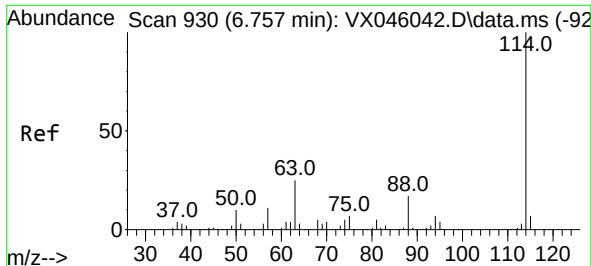
Supervised By :Mahesh
Dadoda
06/11/2025



#33
1,2-Dichloroethane-d4
Concen: 98.631 ug/l
RT: 5.989 min Scan# 804
Delta R.T. 0.019 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

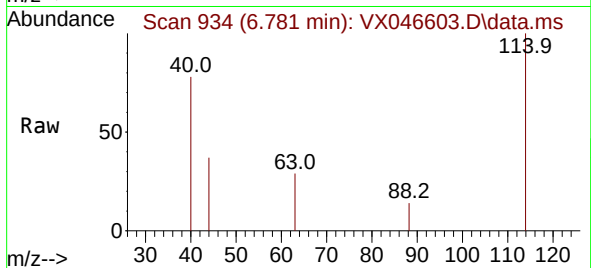
Tgt Ion: 65 Resp: 923
Ion Ratio Lower Upper
65 100
67 50.9 0.0 99.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.781 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

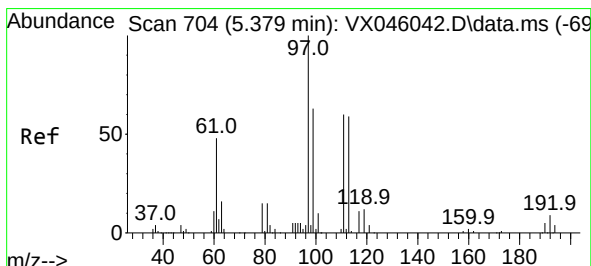
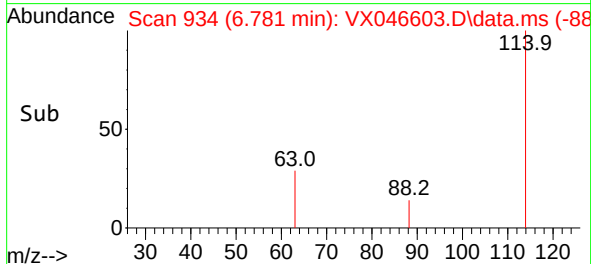
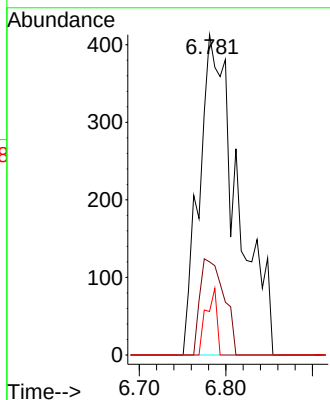


Tgt Ion:114 Resp: 1264
Ion Ratio Lower Upper
114 100
63 29.1 0.0 49.2
88 13.6 0.0 33.6

Manual Integrations
APPROVED

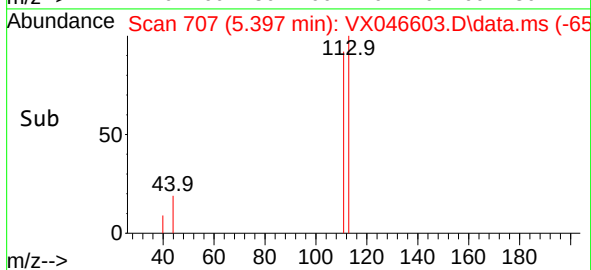
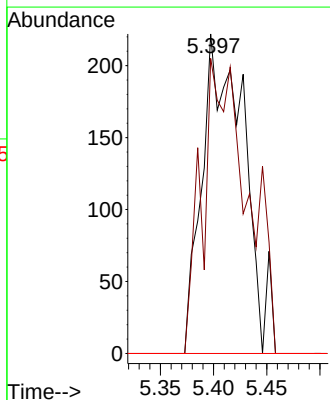
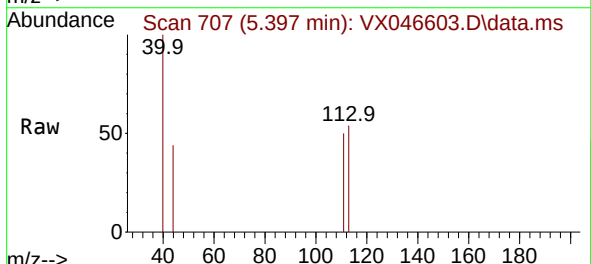
Reviewed By :John
Carlone
06/11/2025

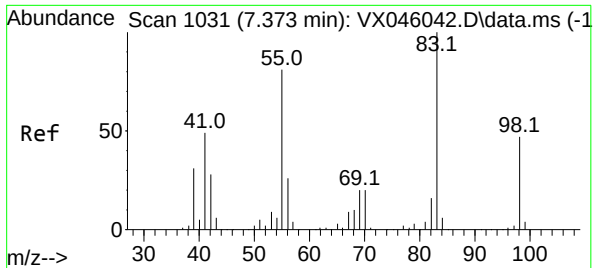
Supervised By :Mahesh
Dadoda
06/11/2025



#35
Dibromofluoromethane
Concen: 65.516 ug/l m
RT: 5.397 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

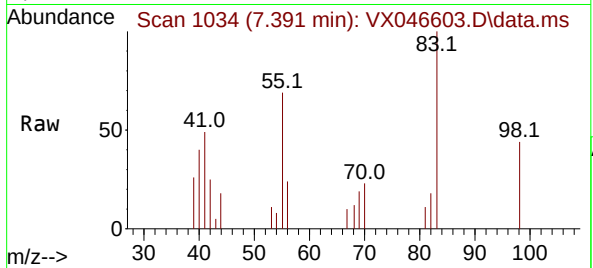
Tgt Ion:113 Resp: 609
Ion Ratio Lower Upper
113 100
111 99.2 83.1 124.7
192 0.0 13.3 19.9#





#39
Methylcyclohexane
Concen: 151.031 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

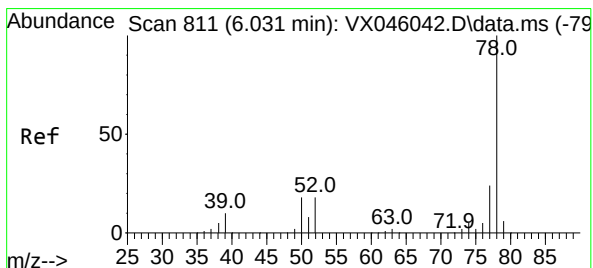
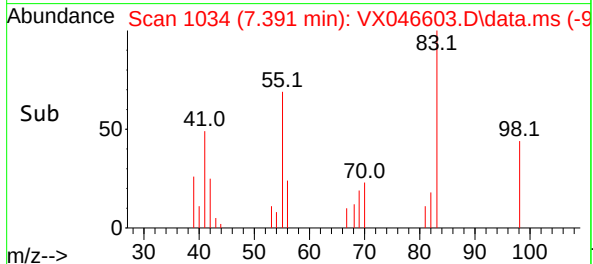
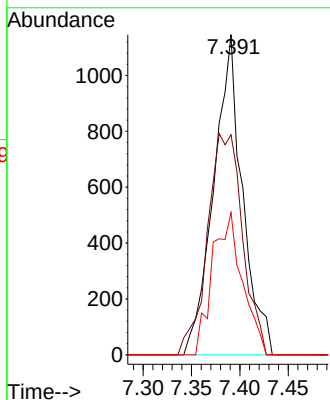


Tgt Ion: 83 Resp: 236
Ion Ratio Lower Upper
83 100
55 68.8 64.7 97.1
98 44.4 37.4 56.2

Manual Integrations
APPROVED

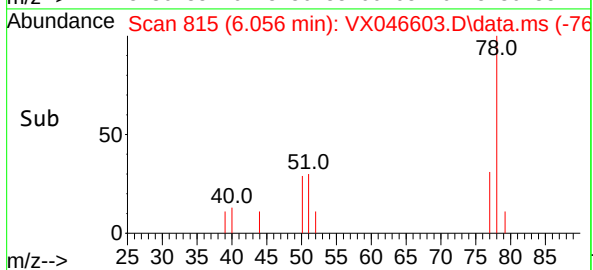
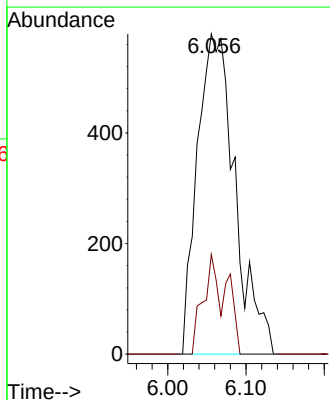
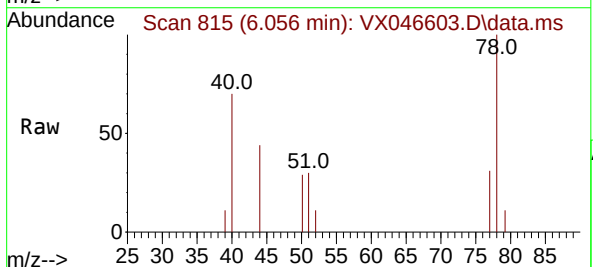
Reviewed By :John
Carlone
06/11/2025

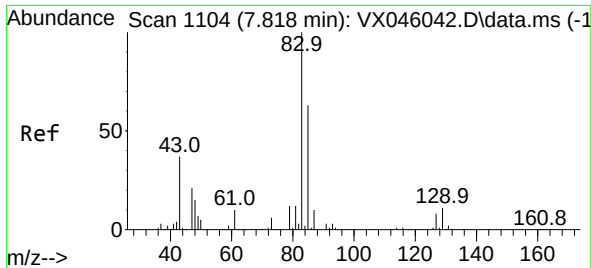
Supervised By :Mahesh
Dadoda
06/11/2025



#40
Benzene
Concen: 51.847 ug/l
RT: 6.056 min Scan# 815
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

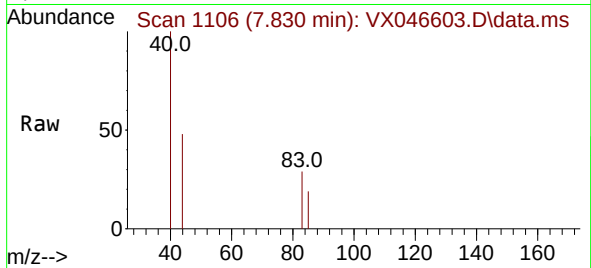
Tgt Ion: 78 Resp: 1938
Ion Ratio Lower Upper
78 100
77 31.1 19.0 28.4#





#47
Bromodichloromethane
Concen: 18.627 ug/l
RT: 7.830 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

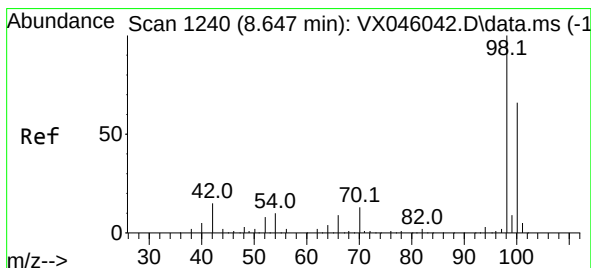
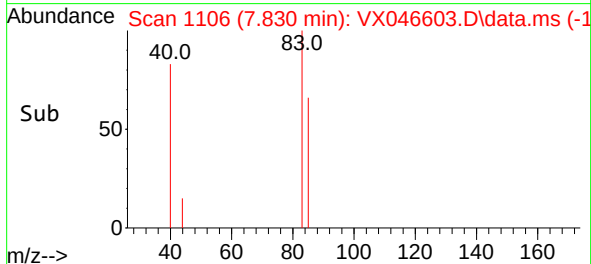
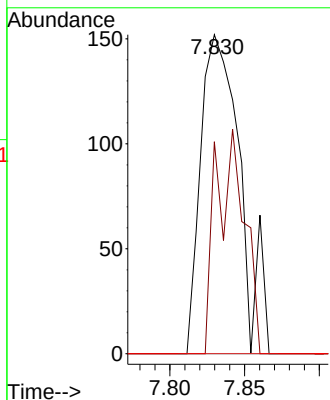


Tgt Ion: 83 Resp: 278
Ion Ratio Lower Upper
83 100
85 66.4 50.5 75.7
127 0.0 6.5 9.7

Manual Integrations
APPROVED

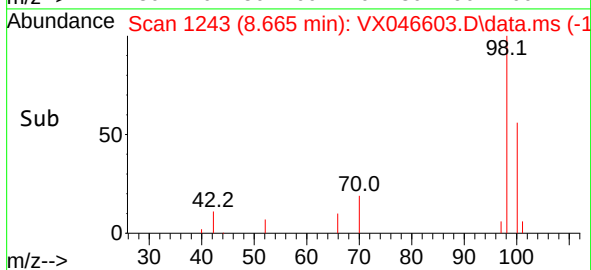
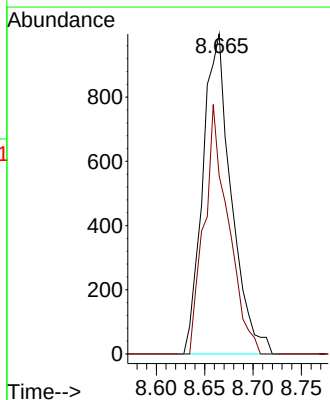
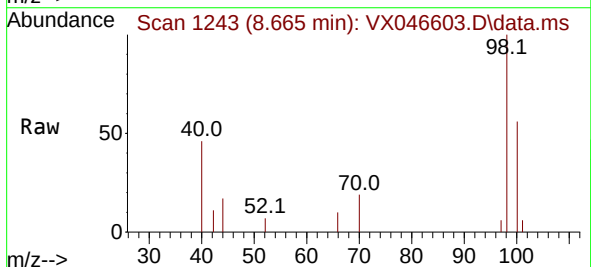
Reviewed By :John
Carlone
06/11/2025

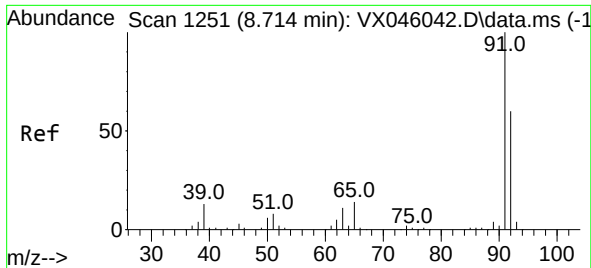
Supervised By :Mahesh
Dadoda
06/11/2025



#50
Toluene-d8
Concen: 66.534 ug/l
RT: 8.665 min Scan# 1243
Delta R.T. 0.012 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

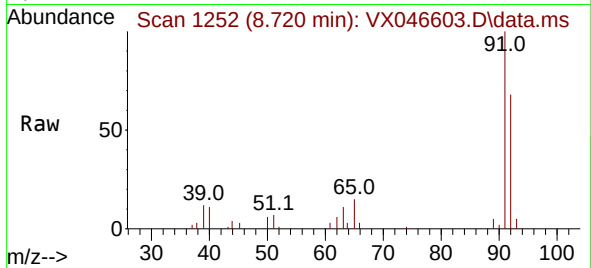
Tgt Ion: 98 Resp: 2039
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3





#52
Toluene
Concen: 249.127 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

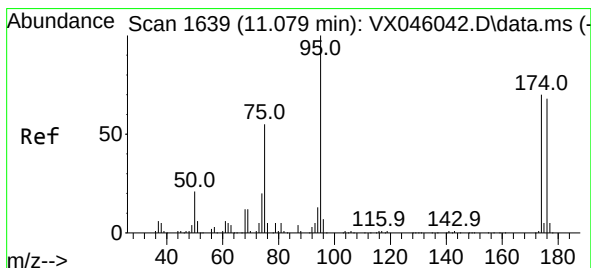
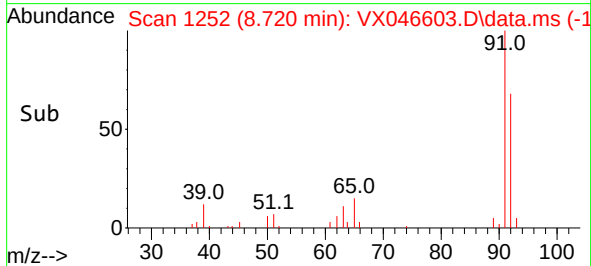
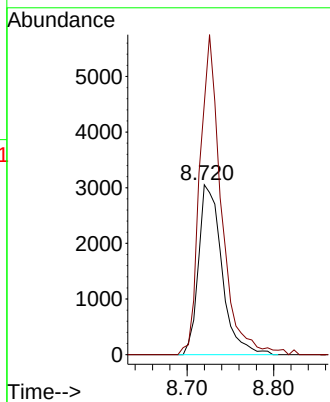


Tgt Ion: 92 Resp: 572
Ion Ratio Lower Upper
92 100
91 173.8 136.6 205.0

Manual Integrations
APPROVED

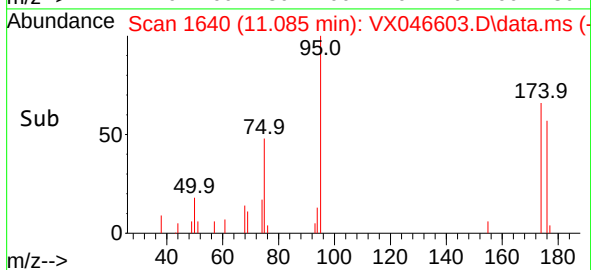
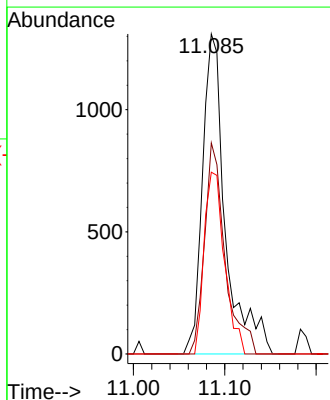
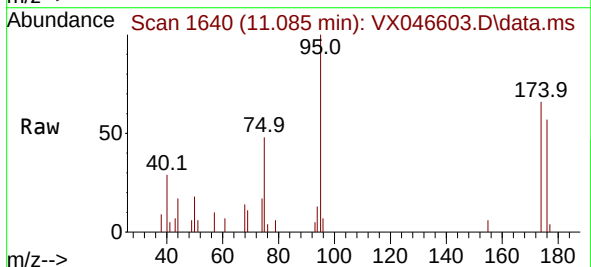
Reviewed By :John
Carlone
06/11/2025

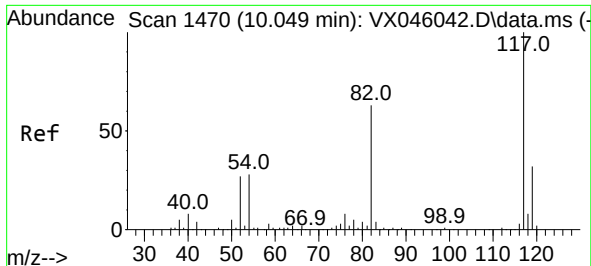
Supervised By :Mahesh
Dadoda
06/11/2025



#62
4-Bromofluorobenzene
Concen: 180.606 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

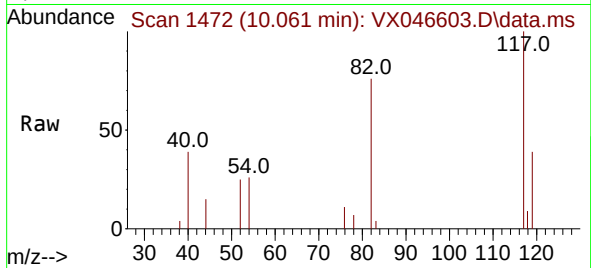
Tgt Ion: 95 Resp: 2290
Ion Ratio Lower Upper
95 100
174 58.8 0.0 135.8
176 50.2 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

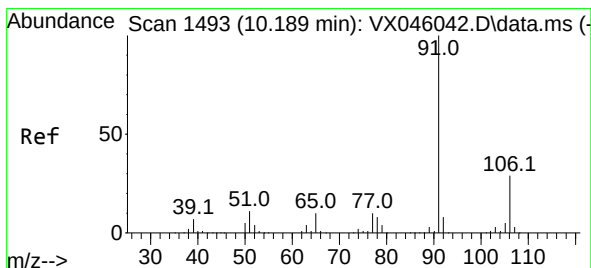
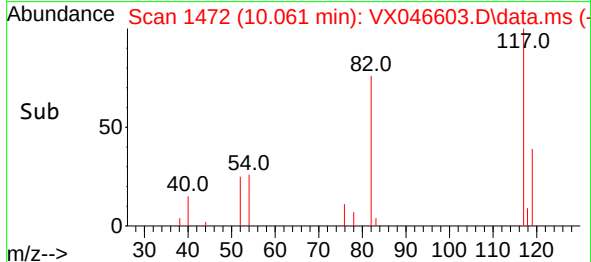
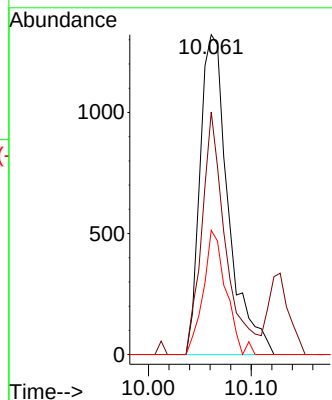


Tgt Ion: 117 Resp: 252
Ion Ratio Lower Upper
117 100
82 75.9 50.6 76.0
119 38.8 25.8 38.6

Manual Integrations
APPROVED

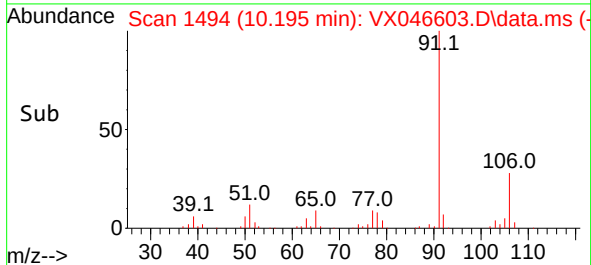
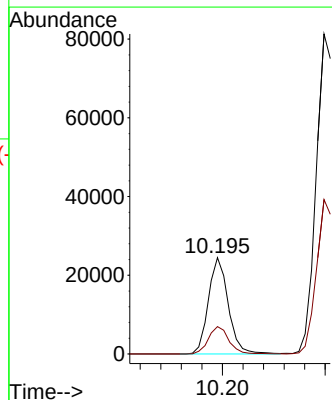
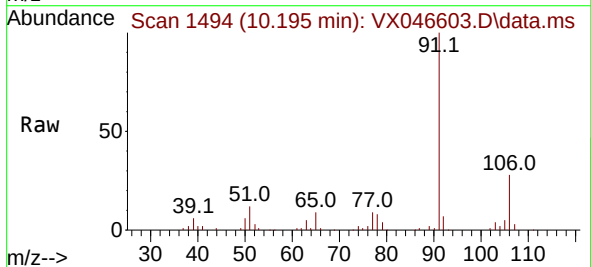
Reviewed By :John
Carlone
06/11/2025

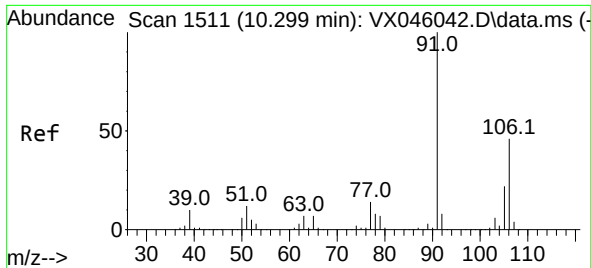
Supervised By :Mahesh
Dadoda
06/11/2025



#67
Ethyl Benzene
Concen: 318.680 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

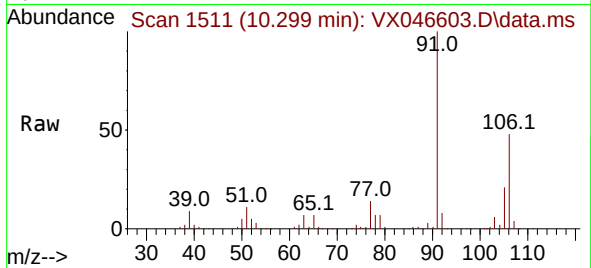
Tgt Ion: 91 Resp: 33038
Ion Ratio Lower Upper
91 100
106 28.4 23.4 35.2





#68
m/p-Xylenes
Concen: 1444.947 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

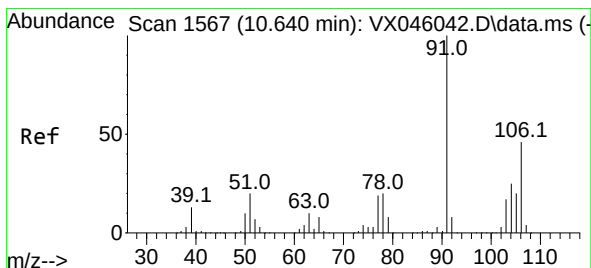
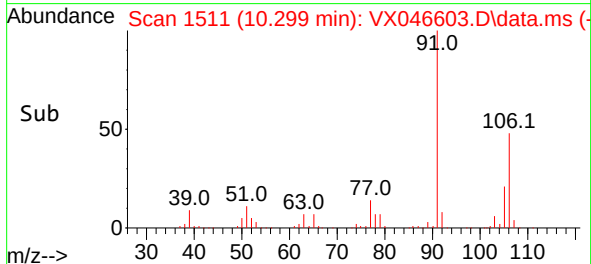
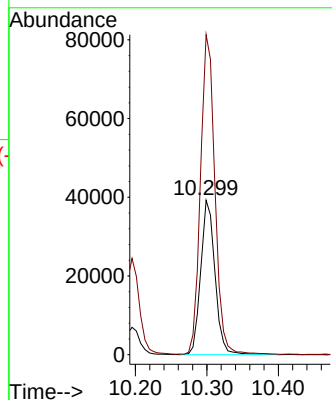


Tgt Ion:106 Resp: 54340
Ion Ratio Lower Upper
106 100
91 209.5 171.2 256.8

Manual Integrations
APPROVED

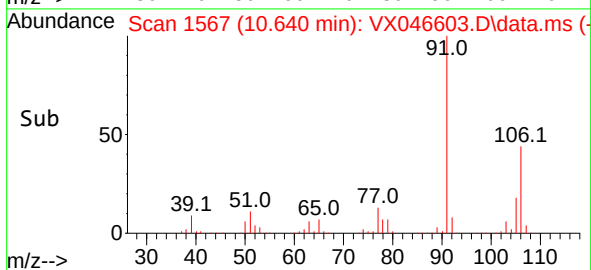
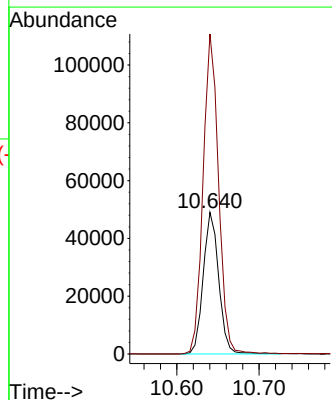
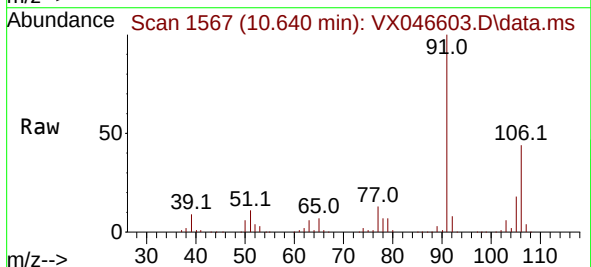
Reviewed By :John
Carlone
06/11/2025

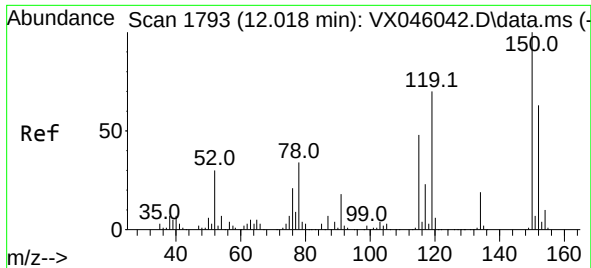
Supervised By :Mahesh
Dadoda
06/11/2025



#69
o-Xylene
Concen: 1770.196 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

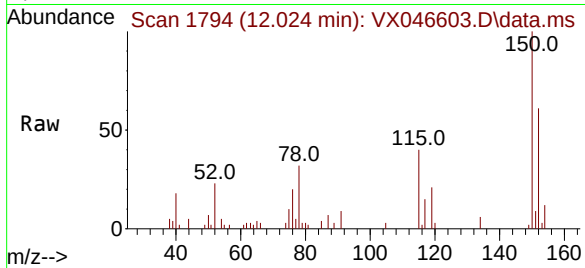
Tgt Ion:106 Resp: 64391
Ion Ratio Lower Upper
106 100
91 225.9 112.7 338.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

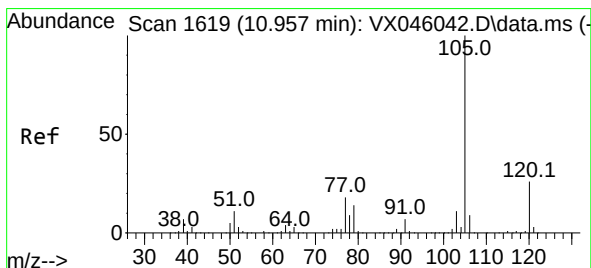
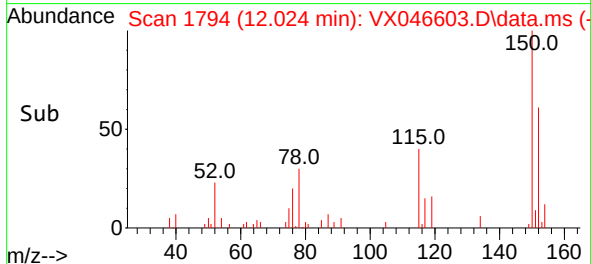
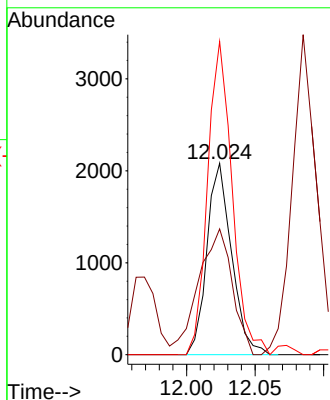


Tgt Ion:152 Resp: 261
Ion Ratio Lower Upper
152 100
115 89.8 46.9 140.7
150 162.5 0.0 351.0

Manual Integrations
APPROVED

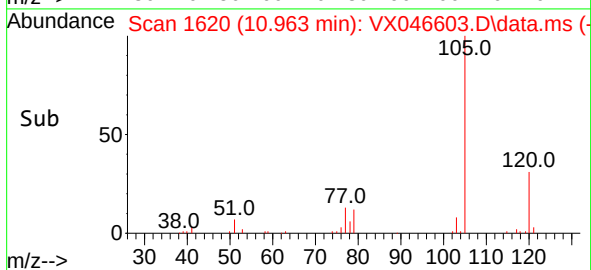
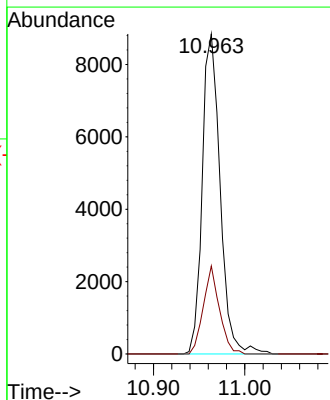
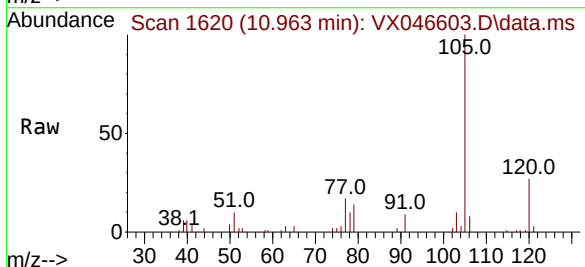
Reviewed By :John
Carlone
06/11/2025

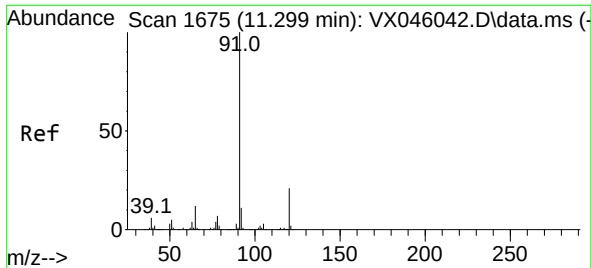
Supervised By :Mahesh
Dadoda
06/11/2025



#73
Isopropylbenzene
Concen: 58.431 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

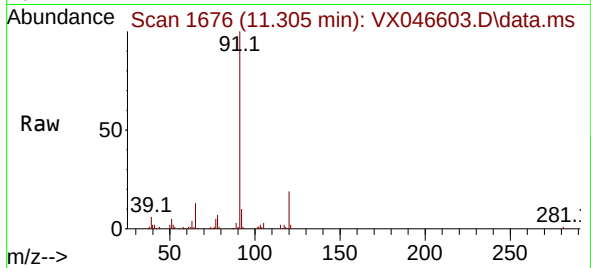
Tgt Ion:105 Resp: 11993
Ion Ratio Lower Upper
105 100
120 24.8 12.8 38.4





#78
n-propylbenzene
Concen: 105.817 ug/l
RT: 11.305 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

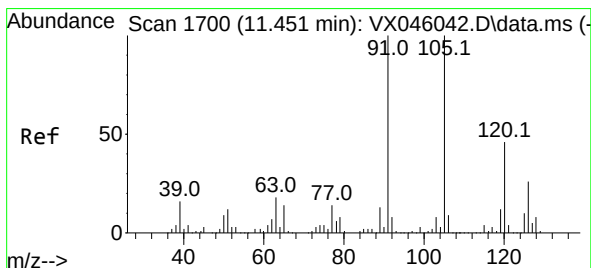
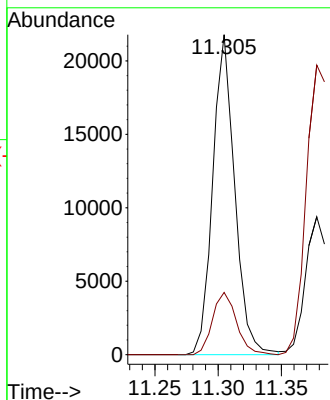


Tgt Ion: 91 Resp: 2628
Ion Ratio Lower Upper
91 100
120 21.2 10.8 32.4

Manual Integrations
APPROVED

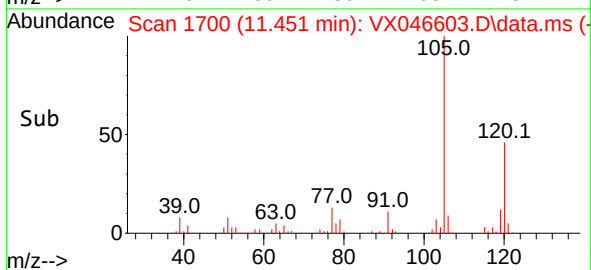
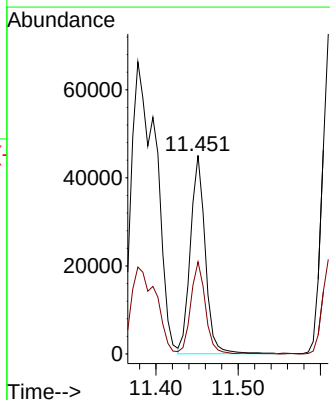
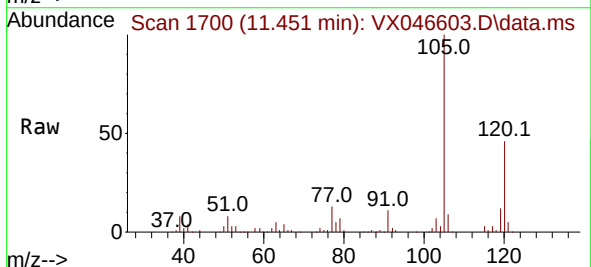
Reviewed By :John
Carlone
06/11/2025

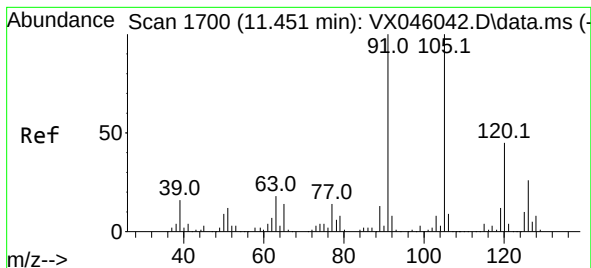
Supervised By :Mahesh
Dadoda
06/11/2025



#80
1,3,5-Trimethylbenzene
Concen: 330.142 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

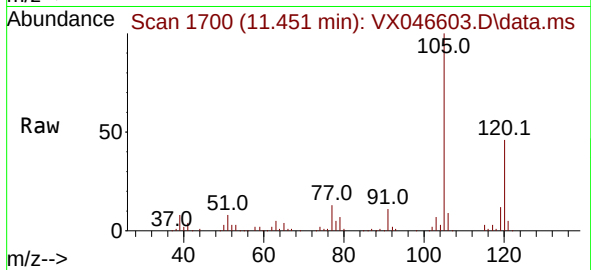
Tgt Ion:105 Resp: 56466
Ion Ratio Lower Upper
105 100
120 44.6 23.1 69.2





#82
4-Chlorotoluene
Concen: 35.434 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MS

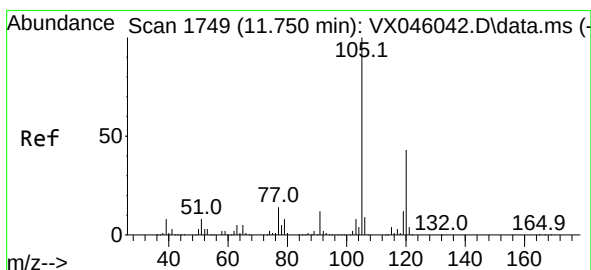
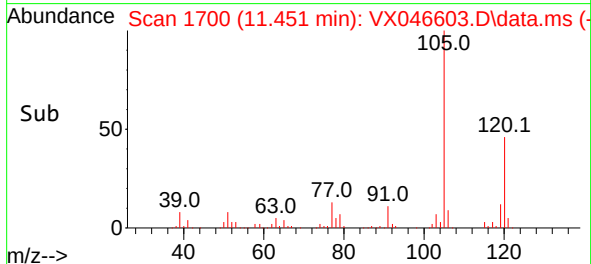
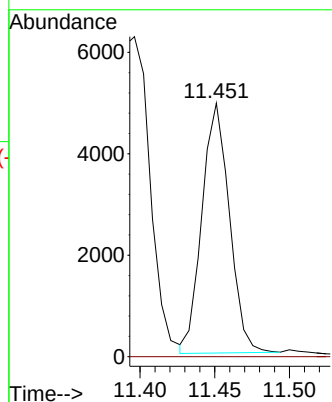


Tgt Ion: 91 Resp: 6292
Ion Ratio Lower Upper
91 100
126 0.0 13.3 39.8

Manual Integrations
APPROVED

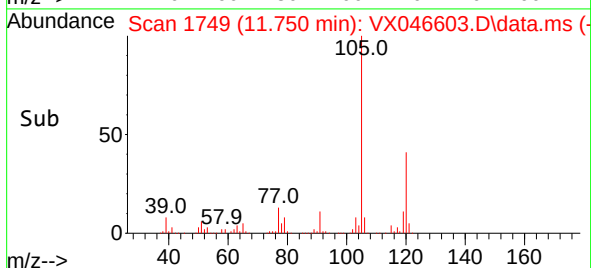
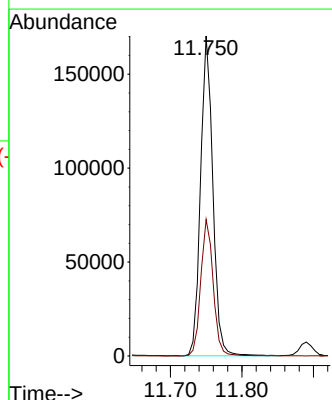
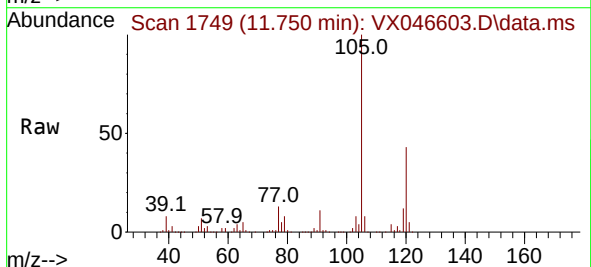
Reviewed By :John
Carlone
06/11/2025

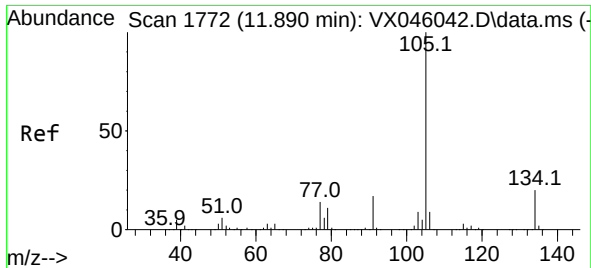
Supervised By :Mahesh
Dadoda
06/11/2025



#84
1,2,4-Trimethylbenzene
Concen: 1172.207 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046603.D
Acq: 10 Jun 2025 15:20

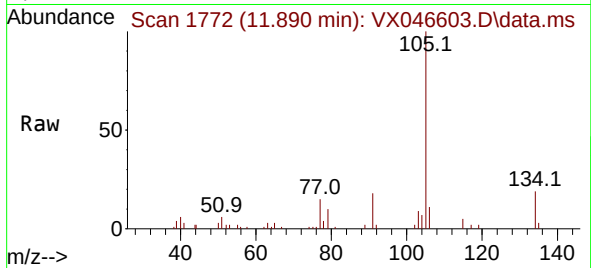
Tgt Ion:105 Resp: 202822
Ion Ratio Lower Upper
105 100
120 43.3 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 43.250 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX046603.D
 Acq: 10 Jun 2025 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-MW01-060425MS

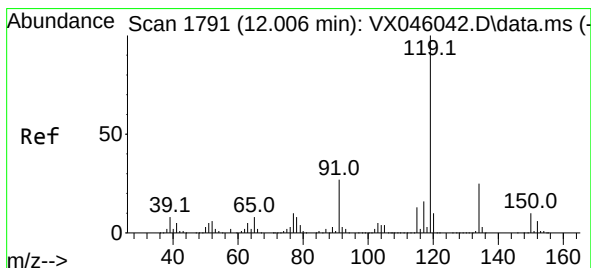
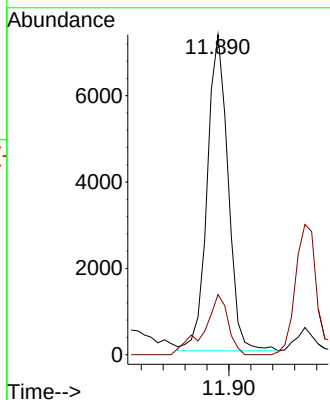


Tgt Ion:105 Resp: 9670
 Ion Ratio Lower Upper
 105 100
 134 22.0 9.7 29.1

Manual Integrations
 APPROVED

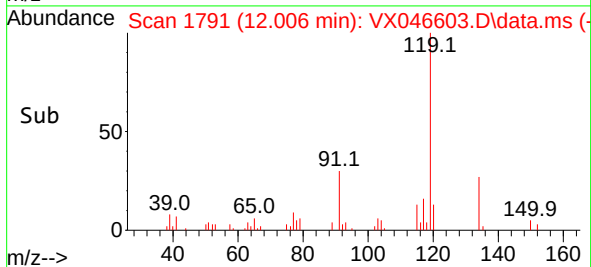
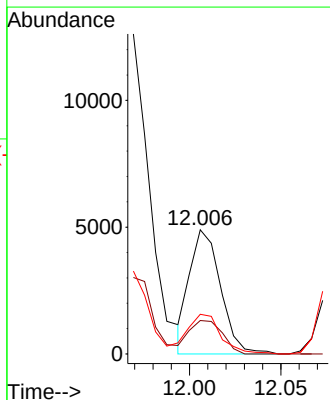
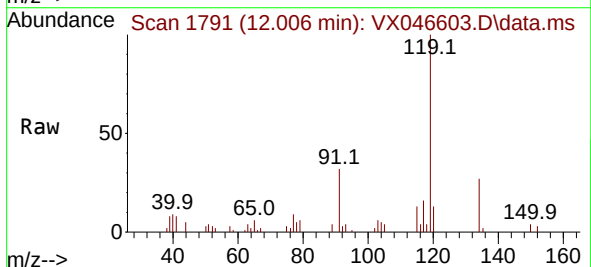
Reviewed By :John
 Carlone
 06/11/2025

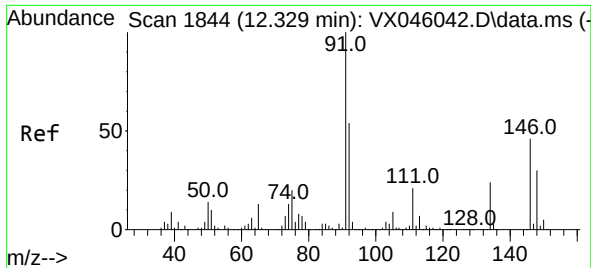
Supervised By :Mahesh
 Dadoda
 06/11/2025



#86
 p-Isopropyltoluene
 Concen: 31.007 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX046603.D
 Acq: 10 Jun 2025 15:20

Tgt Ion:119 Resp: 5783
 Ion Ratio Lower Upper
 119 100
 134 28.8 12.5 37.5
 91 35.4 13.8 41.4





#89

n-Butylbenzene

Concen: 72.229 ug/l m

RT: 12.329 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046603.D

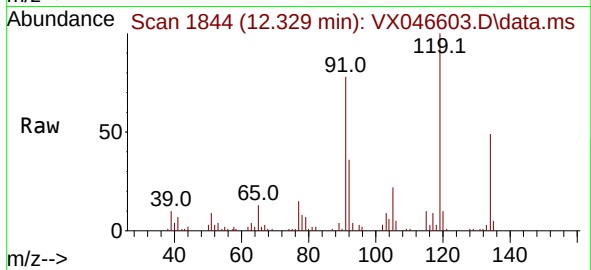
Acq: 10 Jun 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

GW-MW01-060425MS



Tgt Ion: 91	Resp: 13229
Ion Ratio	Lower Upper
91	100
92	44.4 26.9 80.7
134	126.8 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John

Carlone

06/11/2025

Supervised By :Mahesh

Dadoda

06/11/2025

