

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046604.D
 Acq On : 10 Jun 2025 15:42
 Operator : JC/MD
 Sample : Q2230-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-MW01-060425MSD

Quant Time: Jun 11 01:50:04 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	5.568	168	238	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.787	114	839	50.000	ug/l	0.01
63) Chlorobenzene-d5	10.067	117	1669	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.024	152	2156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.989	65	613m	144.771	ug/l	0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	= 289.540%#	
35) Dibromofluoromethane	5.422	113	294	47.650	ug/l	0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.300%	
50) Toluene-d8	8.659	98	1285	63.171	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 126.340%#	
62) 4-Bromofluorobenzene	11.085	95	1573	186.900	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 373.800%#	
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	39131	23105.983	ug/l	95
20) Methylene Chloride	2.800	84	251	73.889	ug/l #	71
25) 2-Butanone	4.586	43	8900	3775.777	ug/l	99
30) Chloroform	5.111	83	7966	1246.816	ug/l #	79
31) Cyclohexane	5.476	56	1141	231.788	ug/l #	78
39) Methylcyclohexane	7.391	83	2273	218.500	ug/l	97
40) Benzene	6.043	78	2032	81.899	ug/l #	80
52) Toluene	8.726	92	5546	363.842	ug/l	93
67) Ethyl Benzene	10.195	91	33379	487.101	ug/l	99
68) m/p-Xylenes	10.299	106	54396	2188.287	ug/l	99
69) o-Xylene	10.640	106	65794	2736.450	ug/l	98
73) Isopropylbenzene	10.963	105	12027	70.963	ug/l	99
78) n-propylbenzene	11.305	91	26558	129.465	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	57309	405.784	ug/l	100
82) 4-Chlorotoluene	11.451	91	6377	43.492	ug/l #	48
84) 1,2,4-Trimethylbenzene	11.750	105	205898	1441.118	ug/l	97
85) sec-Butylbenzene	11.890	105	9471	51.268	ug/l	89
86) p-Isopropyltoluene	12.006	119	6100	39.609	ug/l	95
89) n-Butylbenzene	12.329	91	10863m	71.827	ug/l	

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

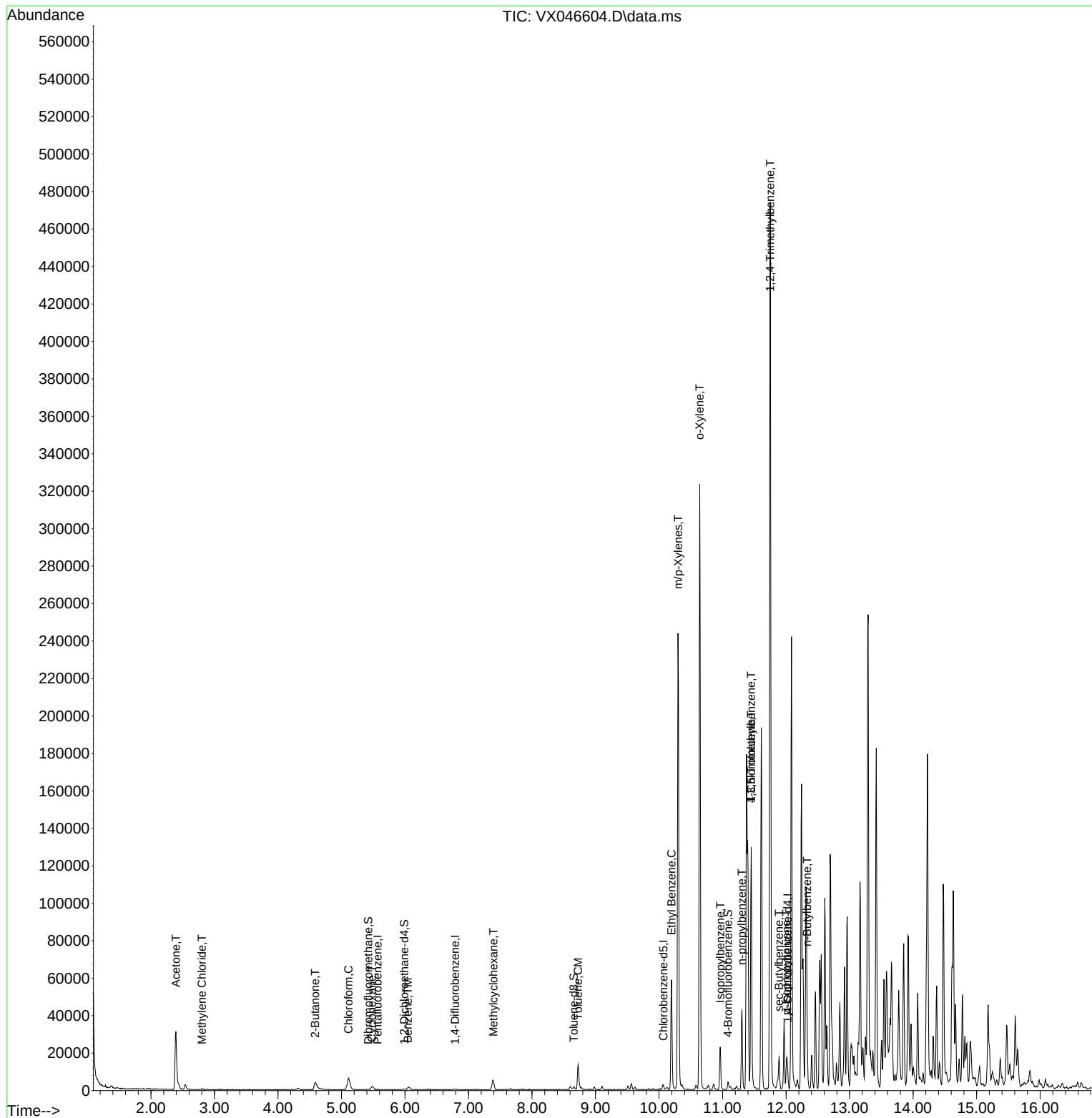
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046604.D
Acq On : 10 Jun 2025 15:42
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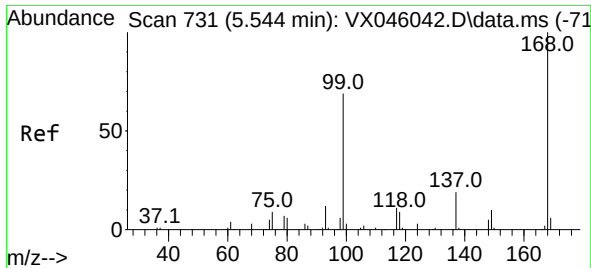
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD

Quant Time: Jun 11 01:50:04 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

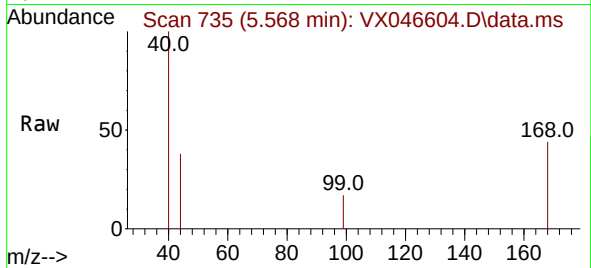
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

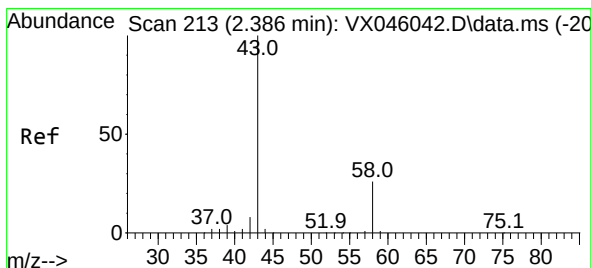
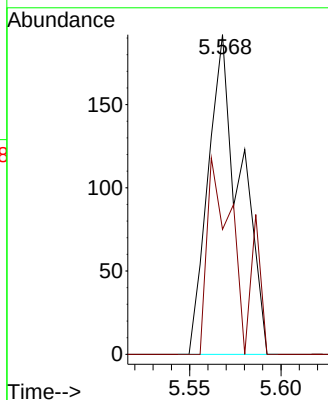
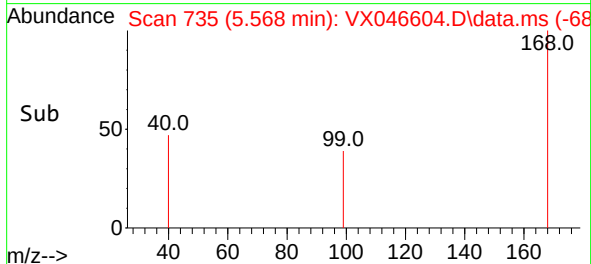
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD



Tgt Ion:168 Resp: 238
Ion Ratio Lower Upper
168 100
99 39.1 54.9 82.3

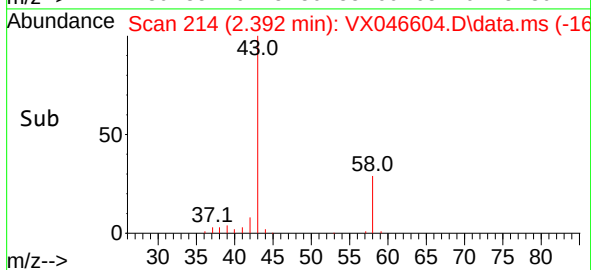
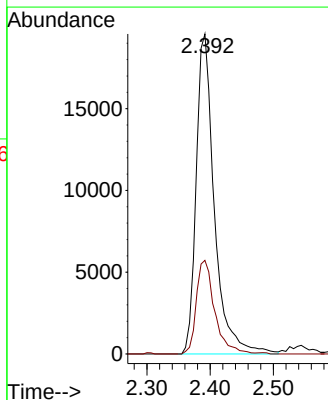
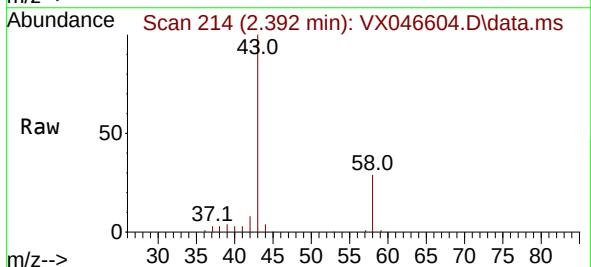
Manual Integrations
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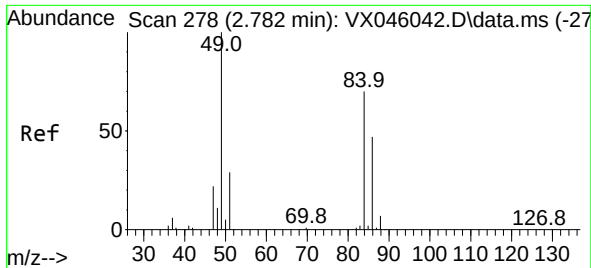
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#16
Acetone
Concen: 23105.983 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

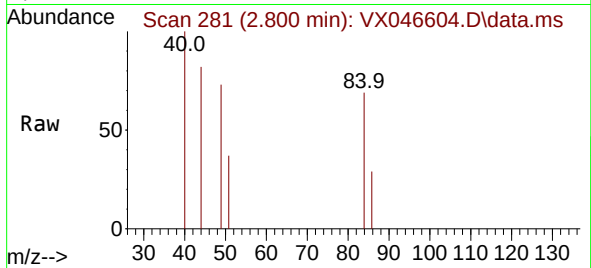
Tgt Ion: 43 Resp: 39131
Ion Ratio Lower Upper
43 100
58 29.3 21.2 31.8





#20
Methylene Chloride
Concen: 73.889 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

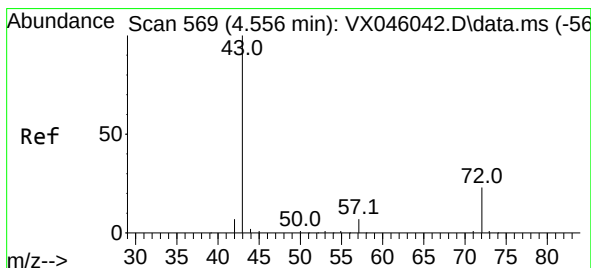
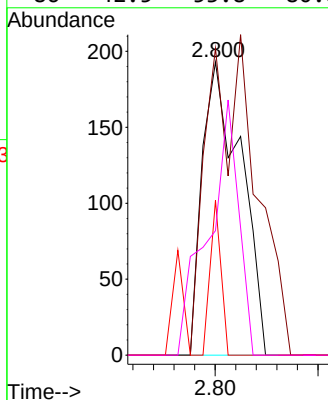
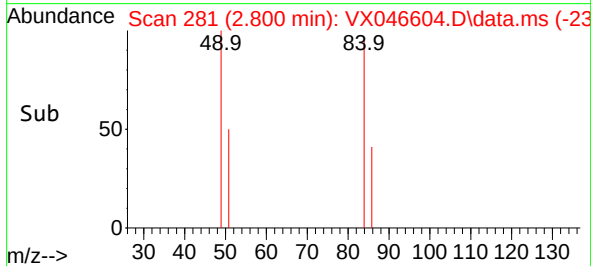
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD



Tgt Ion: 84 Resp: 25
Ion Ratio Lower Upper
84 100
49 104.7 113.9 170.9
51 52.8 33.5 50.3
86 42.5 53.8 80.8

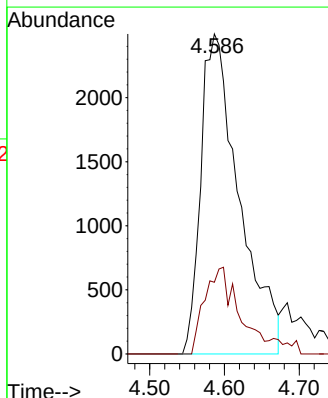
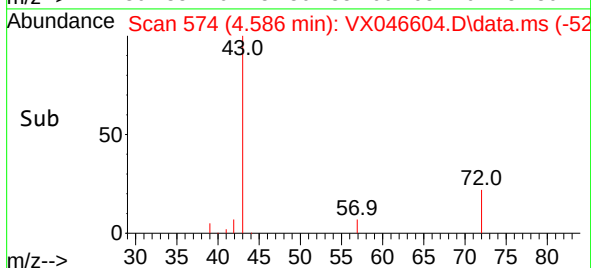
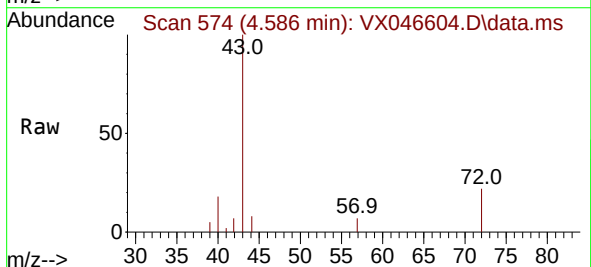
Manual Integrations
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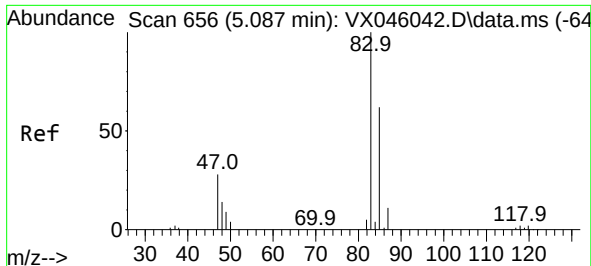
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#25
2-Butanone
Concen: 3775.777 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.012 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

Tgt Ion: 43 Resp: 8900
Ion Ratio Lower Upper
43 100
72 22.4 18.4 27.6





#30

Chloroform

Concen: 1246.816 ug/l

RT: 5.111 min Scan# 60

Delta R.T. -0.000 min

Lab File: VX046604.D

Acq: 10 Jun 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

GW-MW01-060425MSD

Tgt Ion: 83 Resp: 796

Ion Ratio Lower Upper

83 100

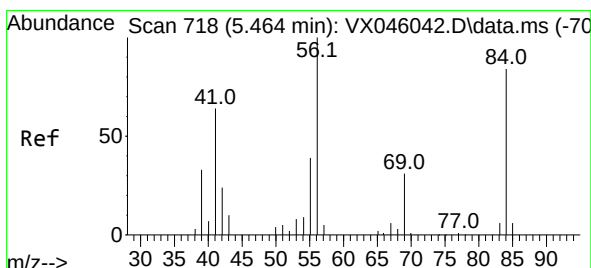
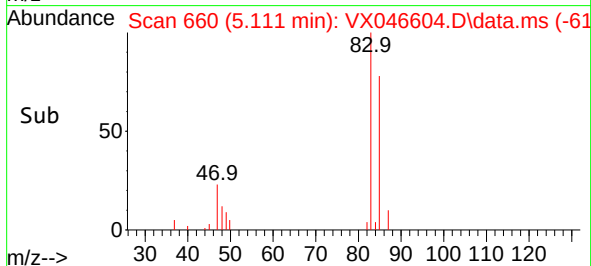
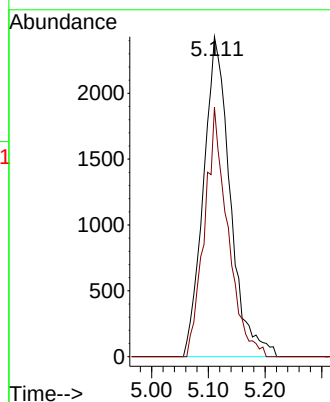
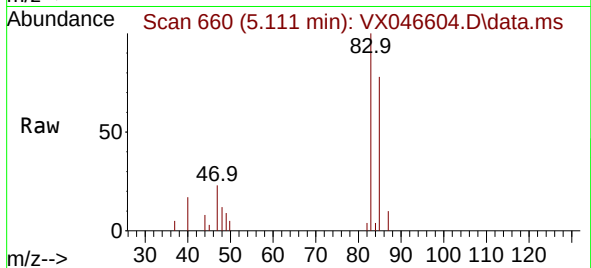
85 77.9 49.3 73.9

Manual Integrations

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Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#31

Cyclohexane

Concen: 231.788 ug/l

RT: 5.476 min Scan# 720

Delta R.T. -0.013 min

Lab File: VX046604.D

Acq: 10 Jun 2025 15:42

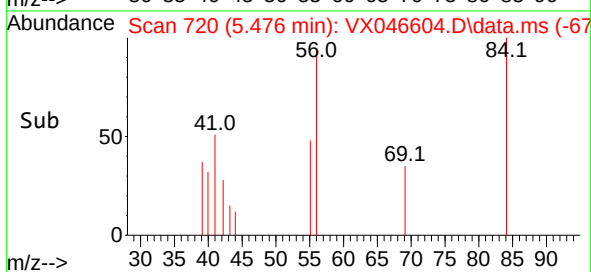
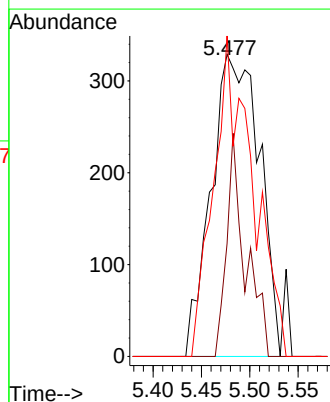
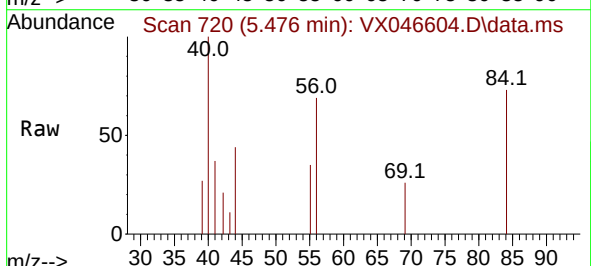
Tgt Ion: 56 Resp: 1141

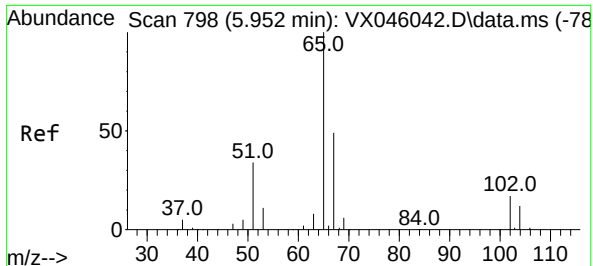
Ion Ratio Lower Upper

56 100

69 37.4 24.4 36.6

84 106.1 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 144.771 ug/l m

RT: 5.989 min Scan# 804

Delta R.T. 0.019 min

Lab File: VX046604.D

Acq: 10 Jun 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

GW-MW01-060425MSD

Tgt Ion: 65 Resp: 61

Ion Ratio Lower Upper

65 100

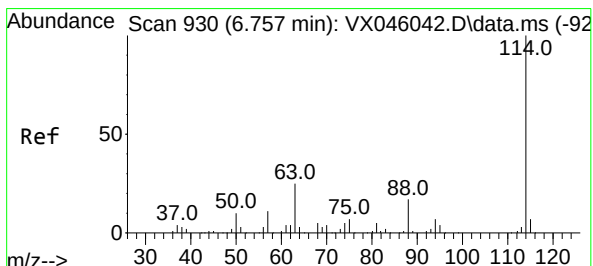
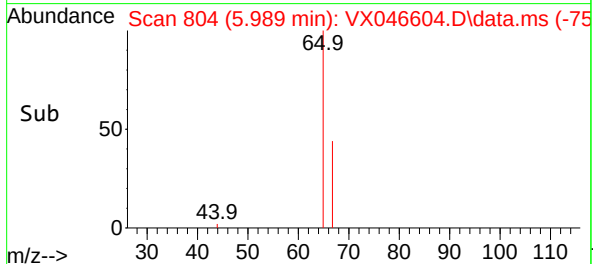
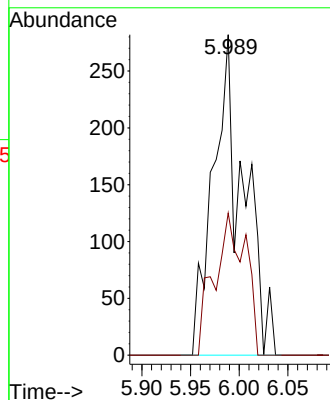
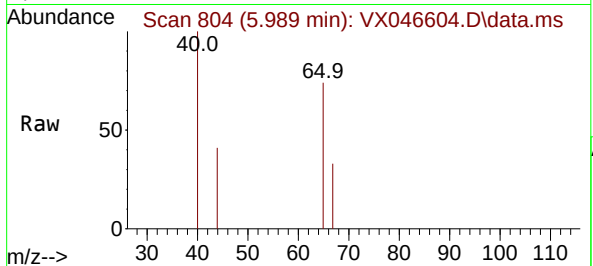
67 45.4 0.0 99.0

Manual Integrations

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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: 6.787 min Scan# 935

Delta R.T. 0.012 min

Lab File: VX046604.D

Acq: 10 Jun 2025 15:42

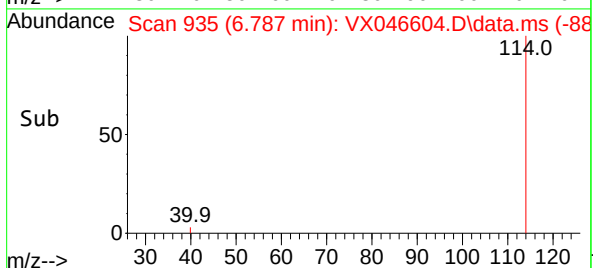
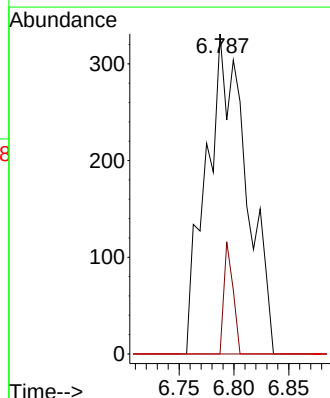
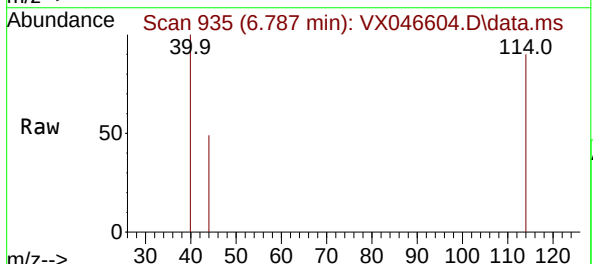
Tgt Ion:114 Resp: 839

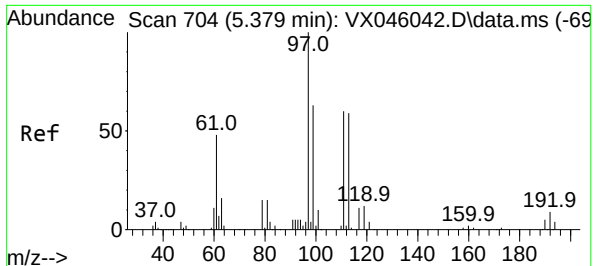
Ion Ratio Lower Upper

114 100

63 0.0 0.0 49.2

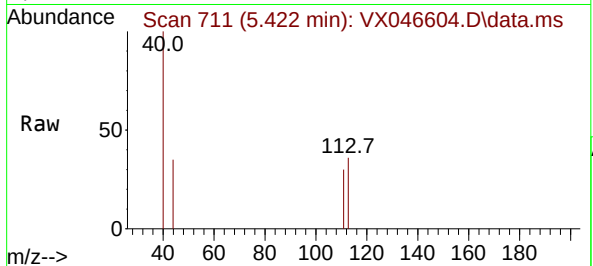
88 0.0 0.0 33.6





#35
Dibromofluoromethane
Concen: 47.650 ug/l
RT: 5.422 min Scan# 711
Delta R.T. 0.019 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

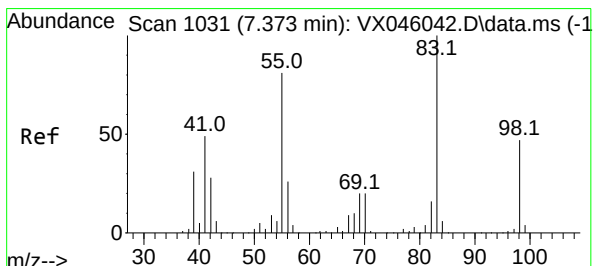
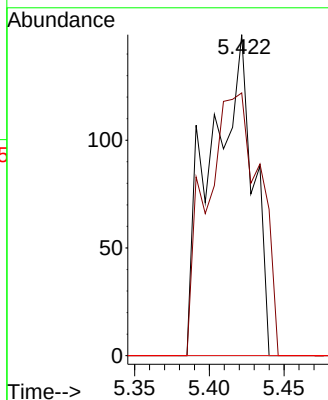
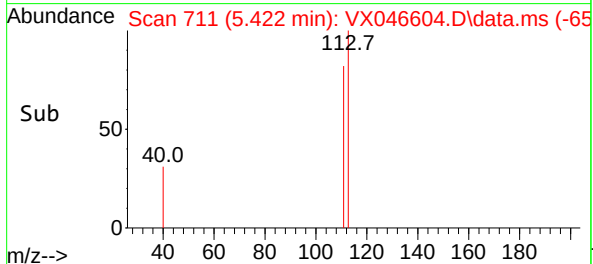
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD



Tgt Ion: 113 Resp: 294
Ion Ratio Lower Upper
113 100
111 102.4 83.1 124.7
192 0.0 13.3 19.9

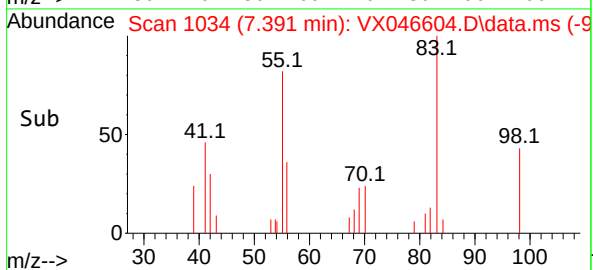
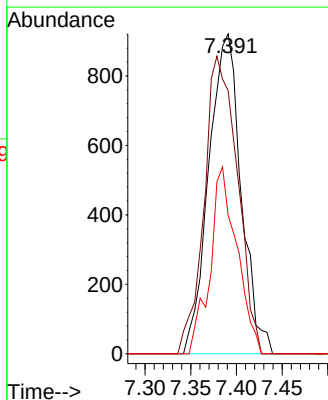
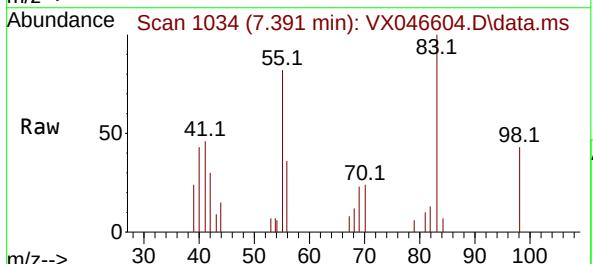
Manual Integrations
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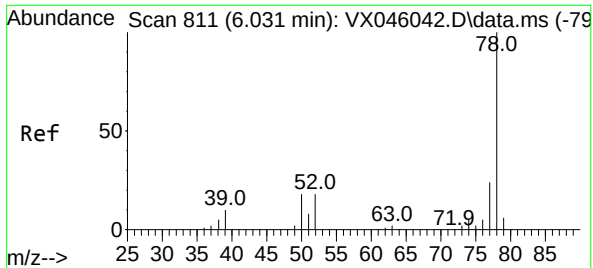
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#39
Methylcyclohexane
Concen: 218.500 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

Tgt Ion: 83 Resp: 2273
Ion Ratio Lower Upper
83 100
55 82.3 64.7 97.1
98 43.3 37.4 56.2





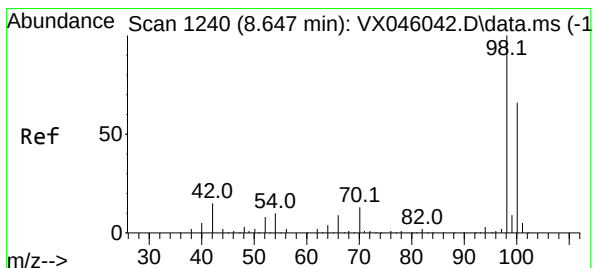
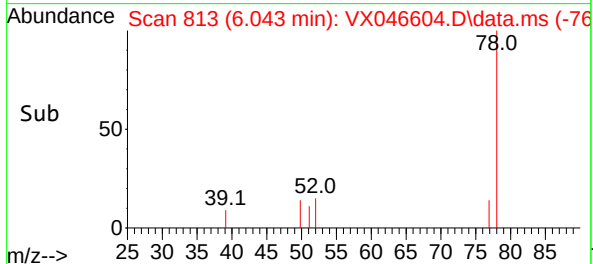
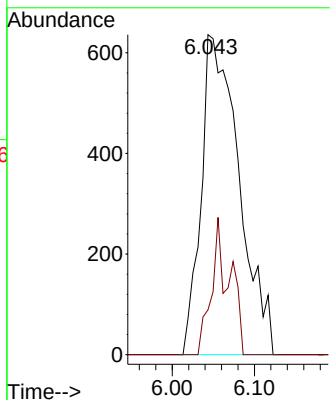
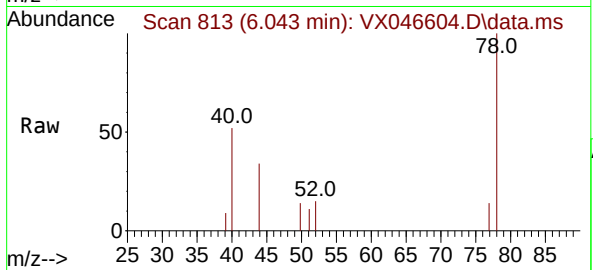
#40
Benzene
Concen: 81.899 ug/l
RT: 6.043 min Scan# 811
Delta R.T. -0.013 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD

Tgt Ion: 78 Resp: 203
Ion Ratio Lower Upper
78 100
77 14.0 19.0 28.4

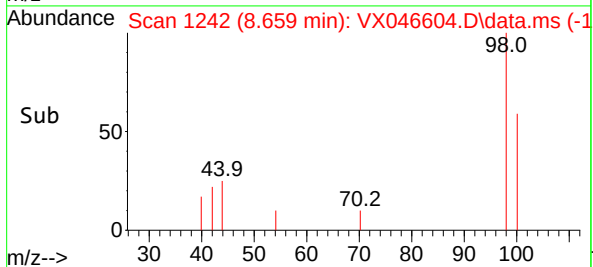
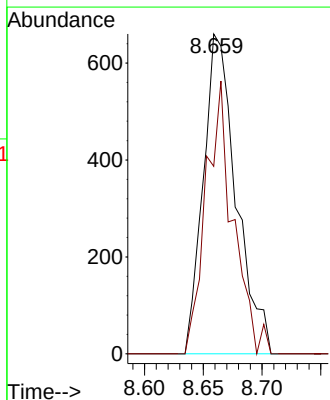
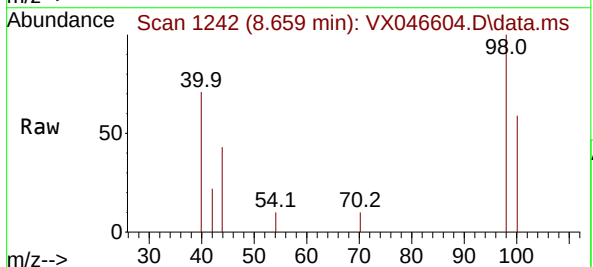
Manual Integrations
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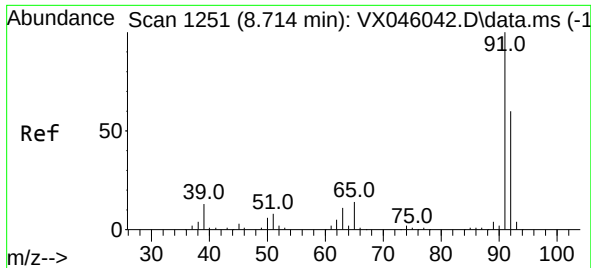
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#50
Toluene-d8
Concen: 63.171 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

Tgt Ion: 98 Resp: 1285
Ion Ratio Lower Upper
98 100
100 70.4 53.5 80.3





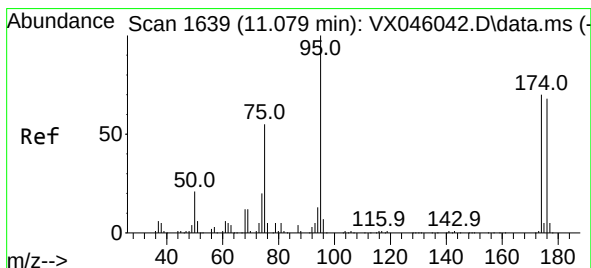
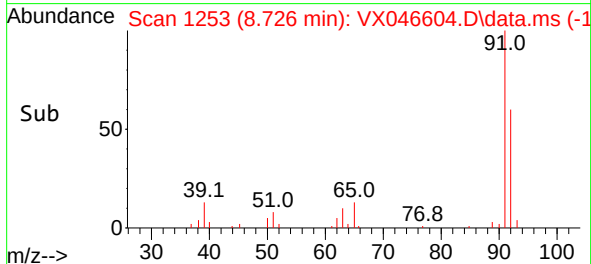
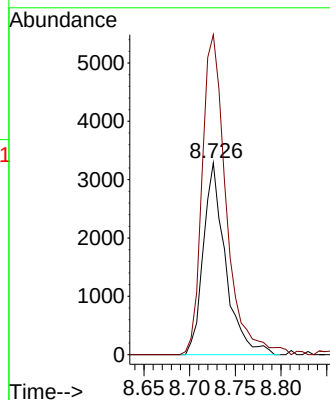
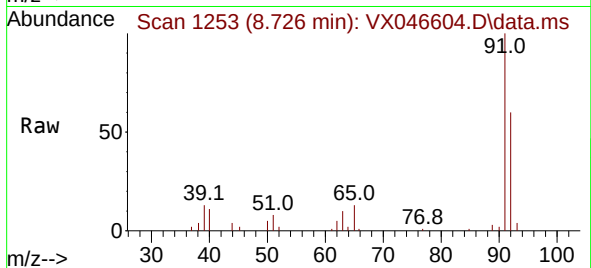
#52
Toluene
Concen: 363.842 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD

Tgt Ion: 92 Resp: 5540
Ion Ratio Lower Upper
92 100
91 180.7 136.6 205.0

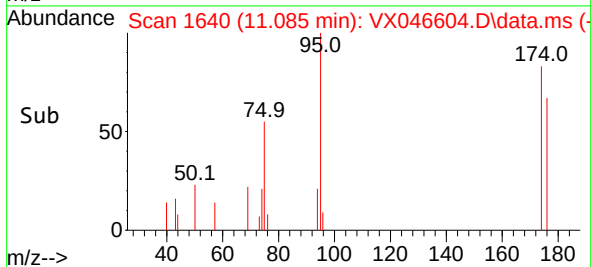
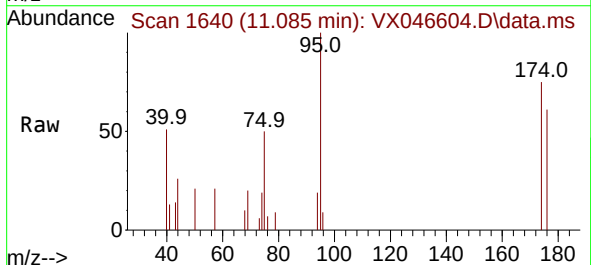
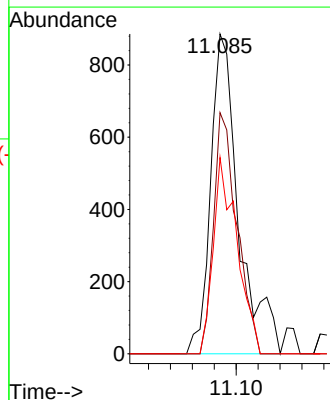
Manual Integrations
APPROVED

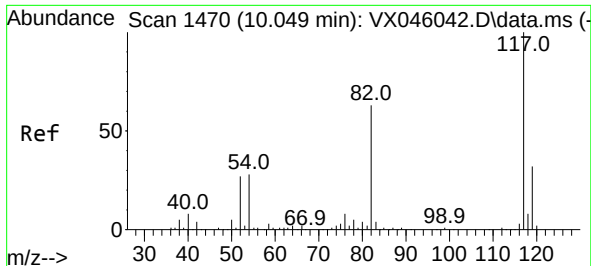
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#62
4-Bromofluorobenzene
Concen: 186.900 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

Tgt Ion: 95 Resp: 1573
Ion Ratio Lower Upper
95 100
174 62.9 0.0 135.8
176 52.1 0.0 131.4





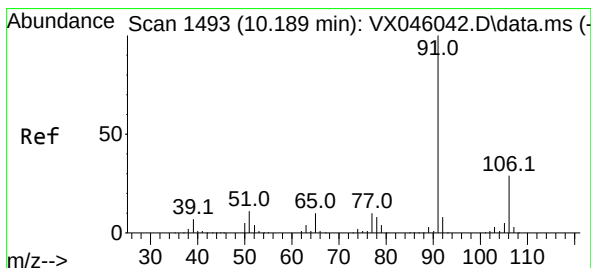
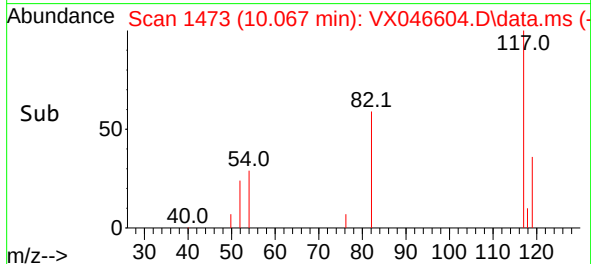
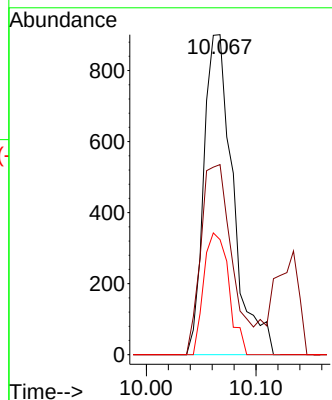
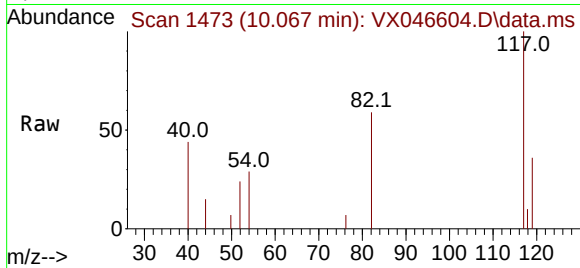
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.067 min Scan# 1473
Delta R.T. 0.012 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD

Tgt Ion: 117 Resp: 1669
Ion Ratio Lower Upper
117 100
82 59.4 50.6 76.0
119 36.0 25.8 38.6

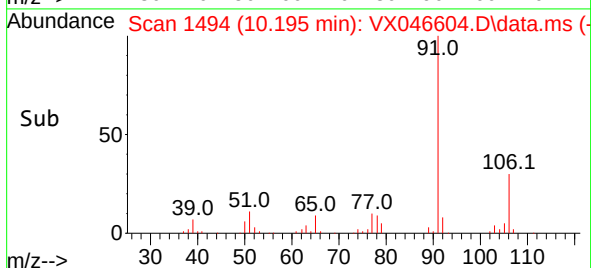
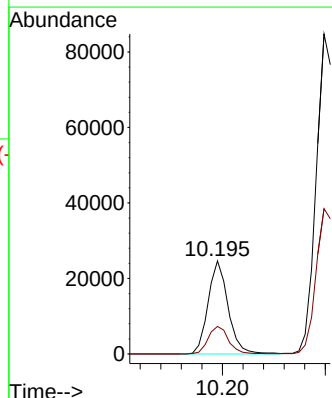
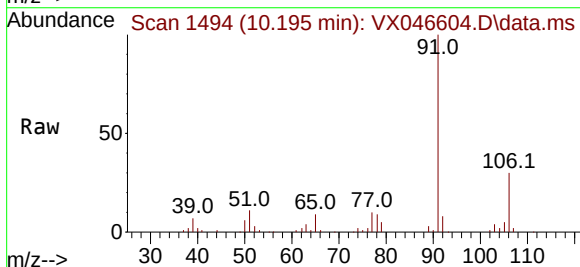
Manual Integrations
APPROVED

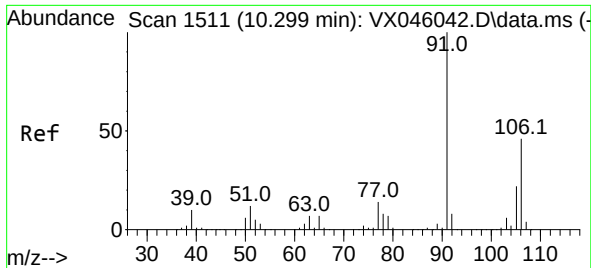
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#67
Ethyl Benzene
Concen: 487.101 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

Tgt Ion: 91 Resp: 33379
Ion Ratio Lower Upper
91 100
106 29.6 23.4 35.2





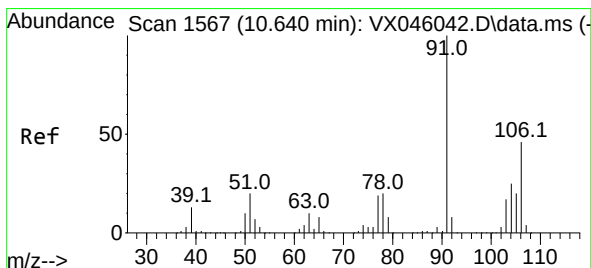
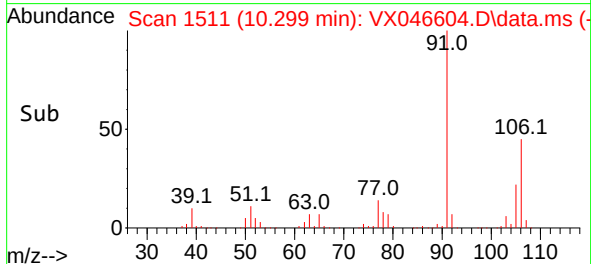
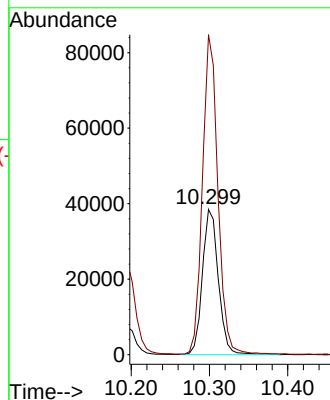
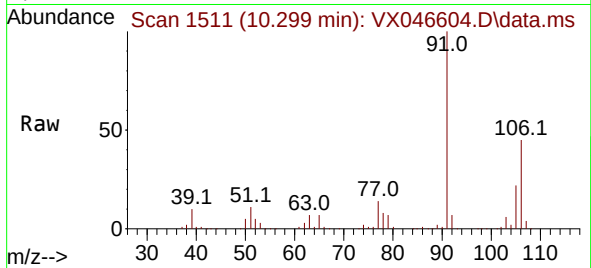
#68
m/p-Xylenes
Concen: 2188.287 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD

Tgt Ion:106 Resp: 54390
Ion Ratio Lower Upper
106 100
91 212.9 171.2 256.8

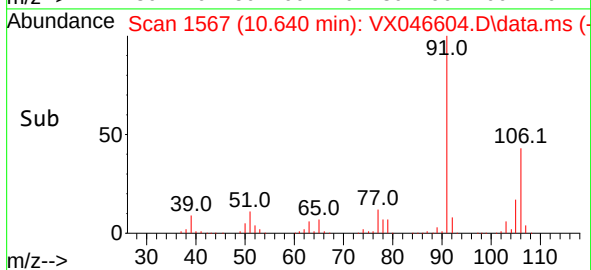
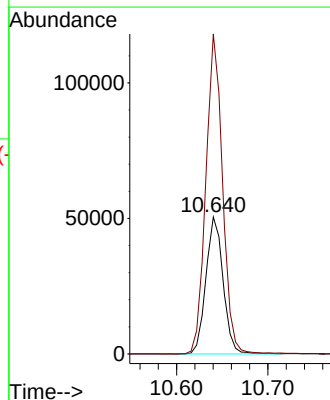
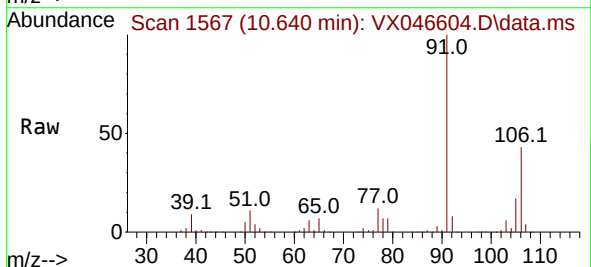
Manual Integrations
APPROVED

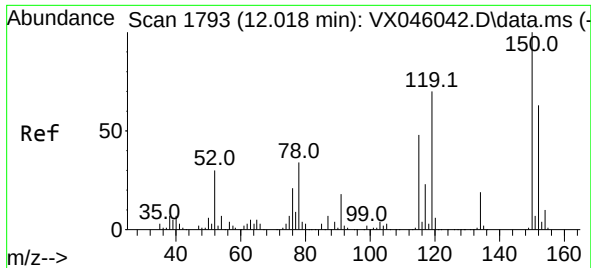
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#69
o-Xylene
Concen: 2736.450 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

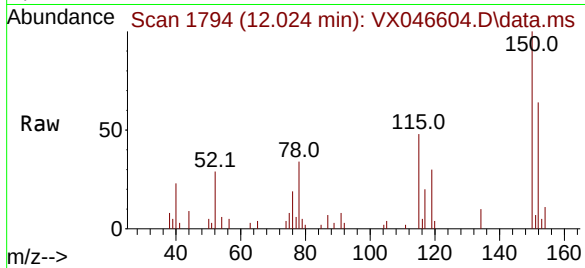
Tgt Ion:106 Resp: 65794
Ion Ratio Lower Upper
106 100
91 228.3 112.7 338.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

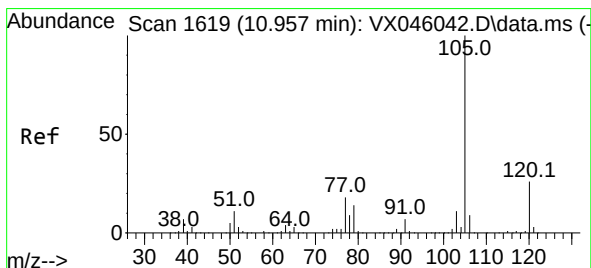
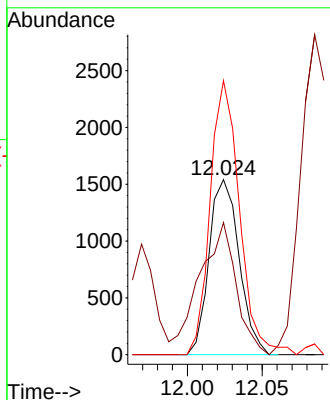
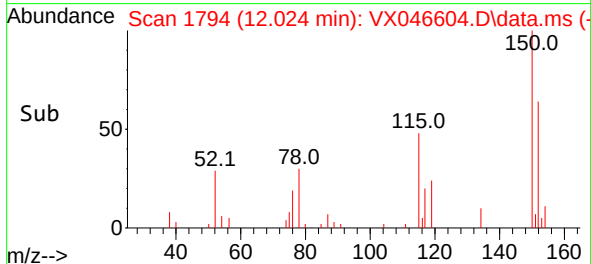
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD



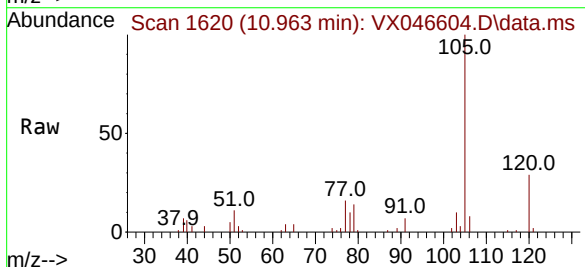
Tgt Ion:152 Resp: 2150
Ion Ratio Lower Upper
152 100
115 91.7 46.9 140.7
150 152.8 0.0 351.0

Manual Integrations
APPROVED

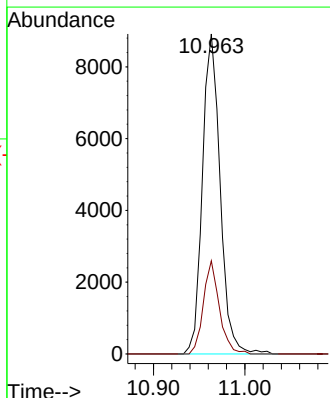
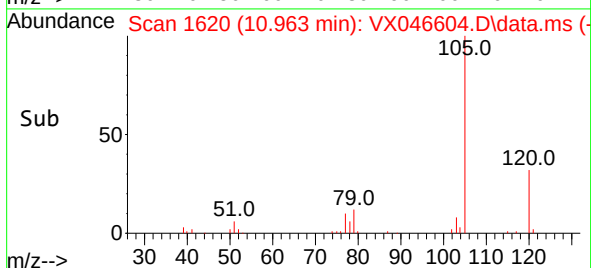
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

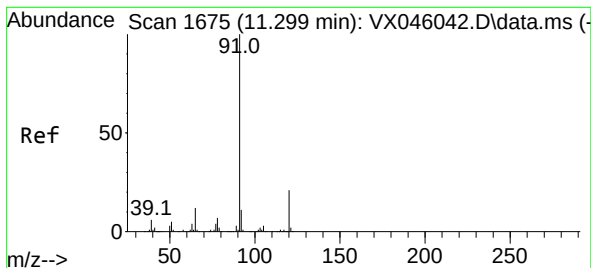


#73
Isopropylbenzene
Concen: 70.963 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42



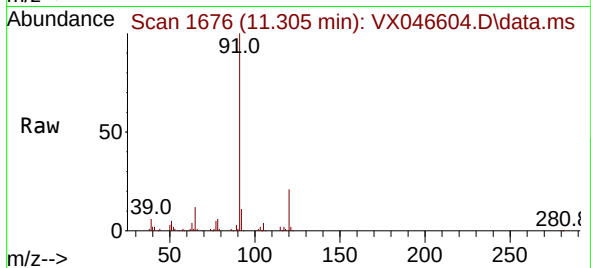
Tgt Ion:105 Resp: 12027
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.4





#78
n-propylbenzene
Concen: 129.465 ug/l
RT: 11.305 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

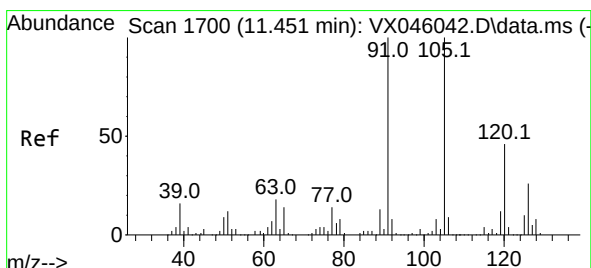
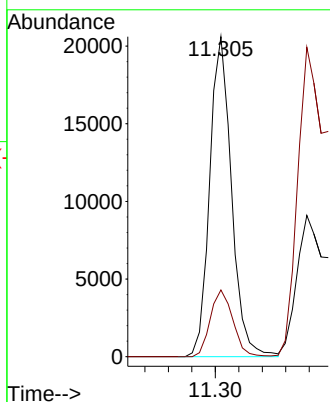
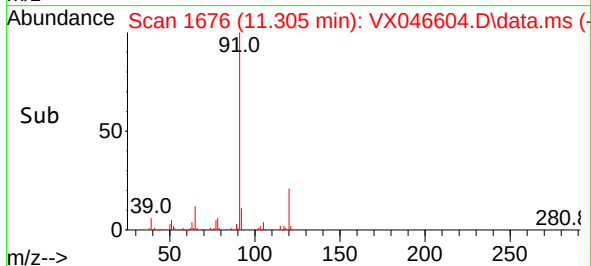
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD



Tgt Ion: 91 Resp: 26558
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.4

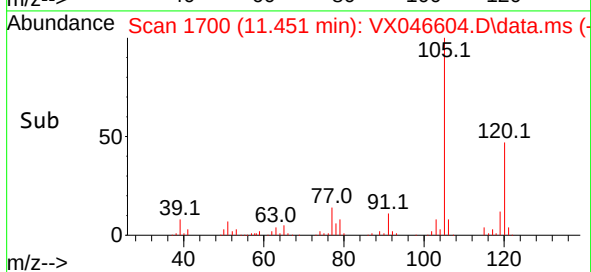
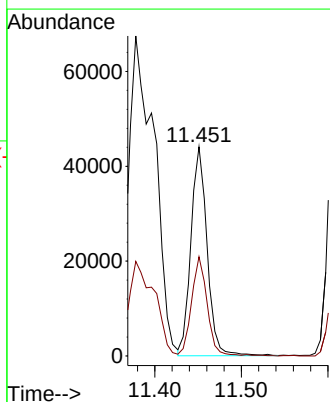
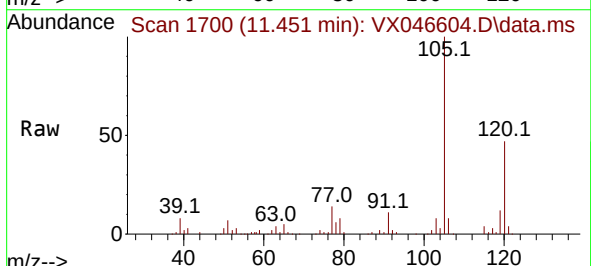
Manual Integrations
APPROVED

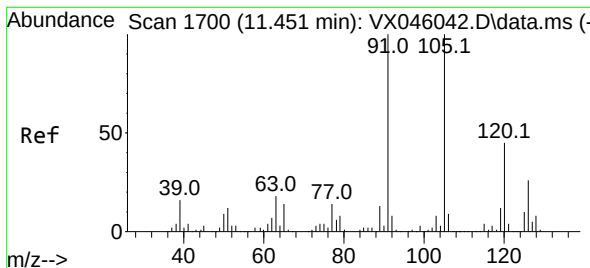
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#80
1,3,5-Trimethylbenzene
Concen: 405.784 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

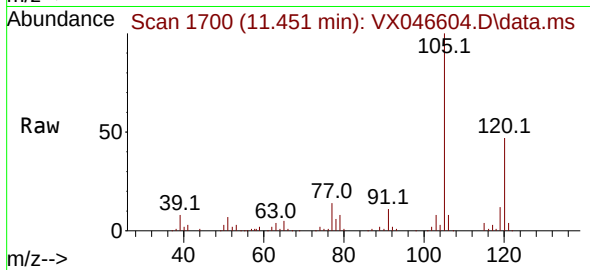
Tgt Ion:105 Resp: 57309
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.2





#82
4-Chlorotoluene
Concen: 43.492 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42

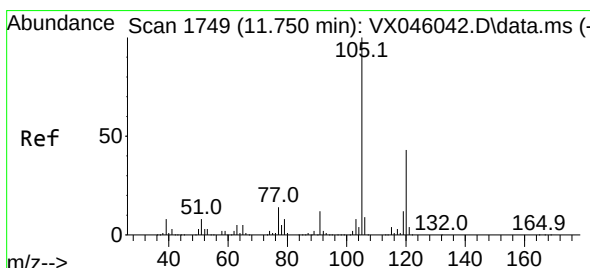
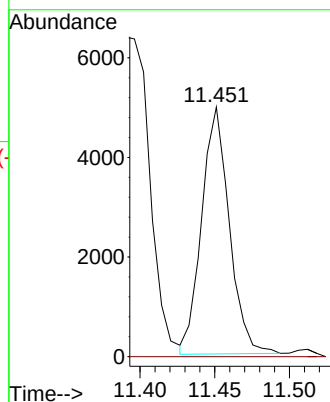
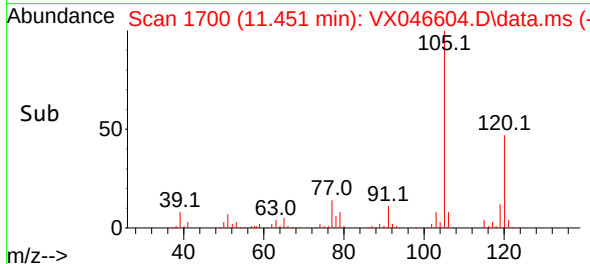
Instrument :
MSVOA_X
ClientSampleId :
GW-MW01-060425MSD



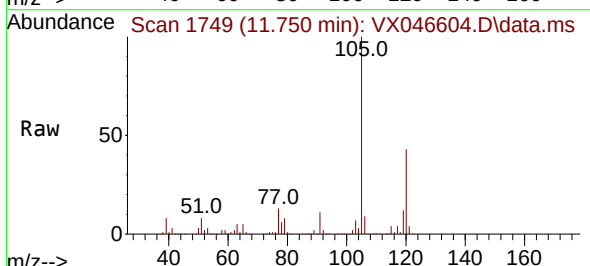
Tgt Ion: 91 Resp: 637
Ion Ratio Lower Upper
91 100
126 0.0 13.3 39.8

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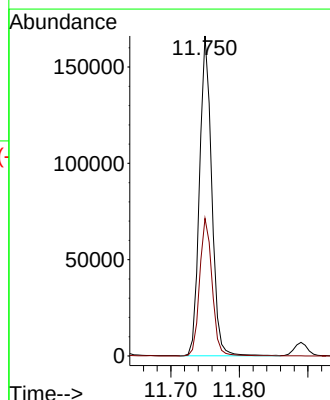
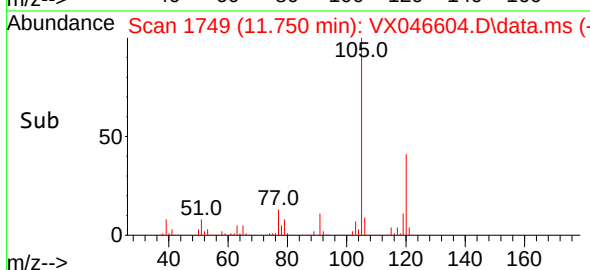
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

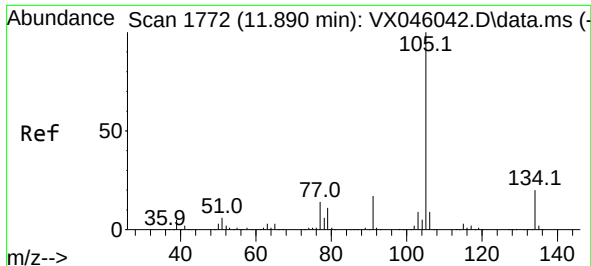


#84
1,2,4-Trimethylbenzene
Concen: 1441.118 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046604.D
Acq: 10 Jun 2025 15:42



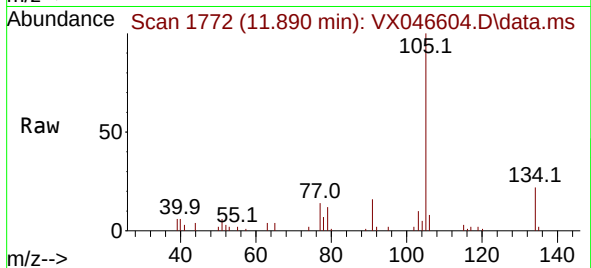
Tgt Ion:105 Resp: 205898
Ion Ratio Lower Upper
105 100
120 44.0 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 51.268 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX046604.D
 Acq: 10 Jun 2025 15:42

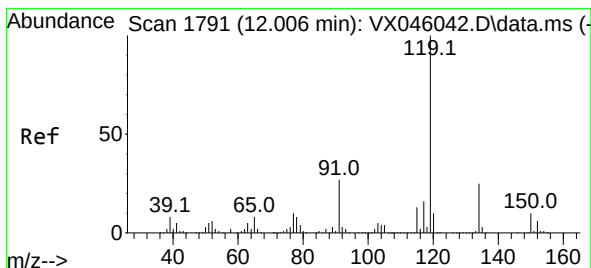
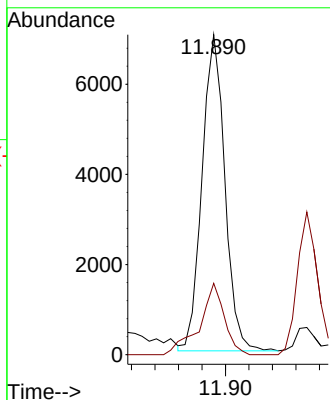
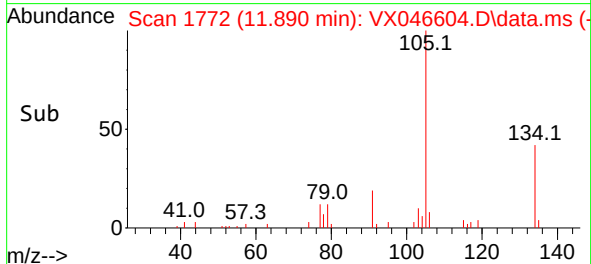
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-MW01-060425MSD



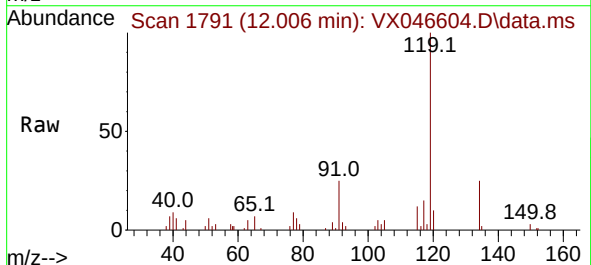
Tgt Ion:105 Resp: 947
 Ion Ratio Lower Upper
 105 100
 134 24.5 9.7 29.1

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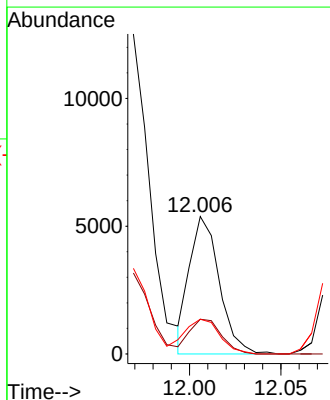
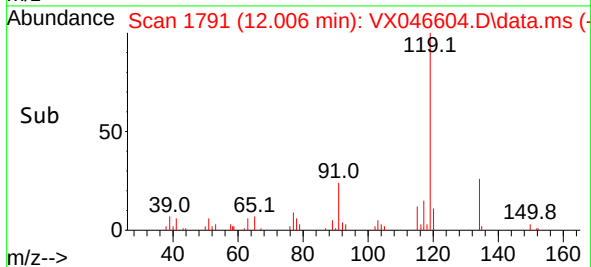
Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025

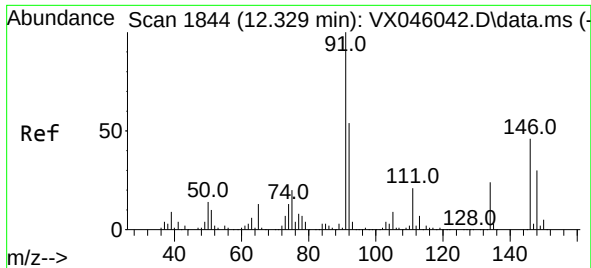


#86
 p-Isopropyltoluene
 Concen: 39.609 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX046604.D
 Acq: 10 Jun 2025 15:42



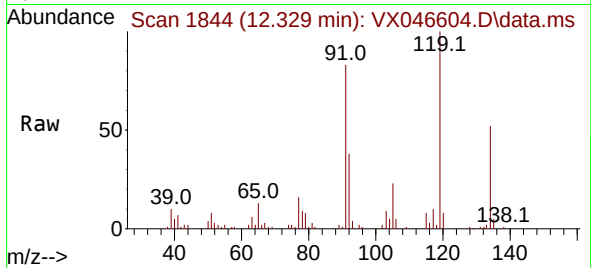
Tgt Ion:119 Resp: 6100
 Ion Ratio Lower Upper
 119 100
 134 27.0 12.5 37.5
 91 30.5 13.8 41.4





#89
 n-Butylbenzene
 Concen: 71.827 ug/l m
 RT: 12.329 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046604.D
 Acq: 10 Jun 2025 15:42

Instrument : MSVOA_X
 ClientSampleId : GW-MW01-060425MSD



Tgt Ion: 91 Resp: 1086

Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.9	80.7
134	151.4	11.8	35.3

Manual Integrations
 APPROVED

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

