

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
 Data File : VX046395.D
 Acq On : 29 May 2025 13:30
 Operator : JC/MD
 Sample : Q2134-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW10

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

Quant Time: May 30 01:27:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	60016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	114311	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	110287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57287	51.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.400%			
35) Dibromofluoromethane	5.385	113	42414	51.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.060%			
50) Toluene-d8	8.647	98	151272	53.095	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.200%			
62) 4-Bromofluorobenzene	11.079	95	59066	54.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.100%			
Target Compounds					Qvalue	
31) Cyclohexane	5.471	56	54389	40.789	ug/l #	91
39) Methylcyclohexane	7.379	83	65204	45.793	ug/l	90
40) Benzene	6.044	78	8033	2.480	ug/l	99
52) Toluene	8.720	92	2752	1.385	ug/l	83
65) Chlorobenzene	10.079	112	7571	3.136	ug/l #	88
67) Ethyl Benzene	10.189	91	450156	105.793	ug/l	100
68) m/p-Xylenes	10.299	106	98688	63.413	ug/l	99
69) o-Xylene	10.640	106	9699	6.393	ug/l	100
73) Isopropylbenzene	10.957	105	178597	49.251	ug/l	100
78) n-propylbenzene	11.299	91	384260	91.135	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	26339	8.694	ug/l	99
83) tert-Butylbenzene	11.713	119	11050	3.621	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	534070	174.084	ug/l	98
85) sec-Butylbenzene	11.890	105	41314	11.027	ug/l	92
86) p-Isopropyltoluene	12.006	119	9055	2.928	ug/l	99
89) n-Butylbenzene	12.329	91	32322m	11.915	ug/l	

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

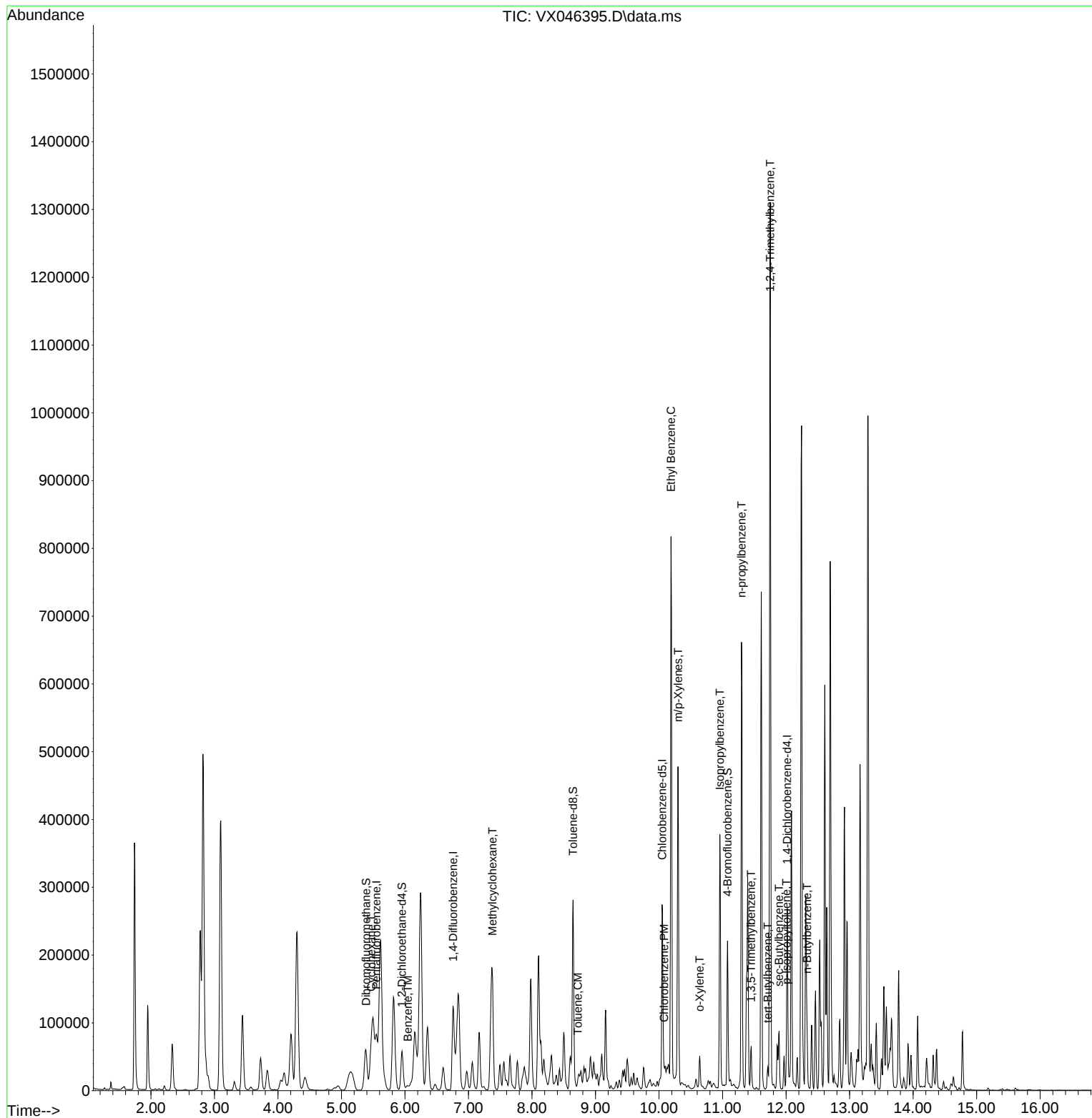
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
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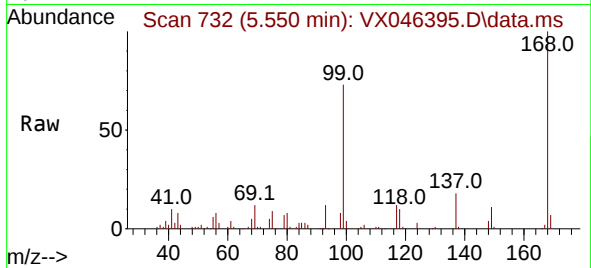
Quant Time: May 30 01:27:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

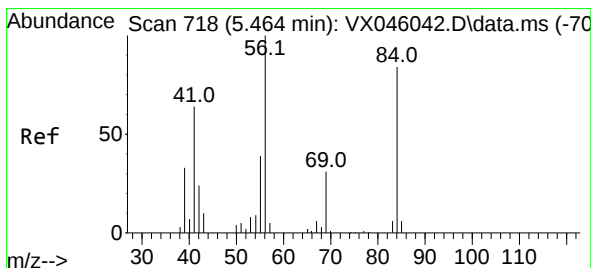
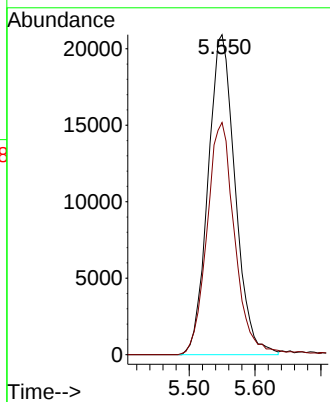
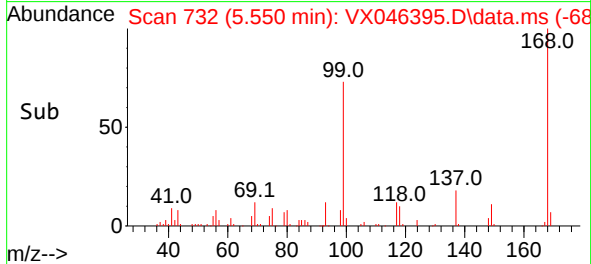
Instrument :
MSVOA_X
ClientSampleId :
MW10



Tgt Ion:168 Resp: 60010
Ion Ratio Lower Upper
168 100
99 72.6 54.9 82.3

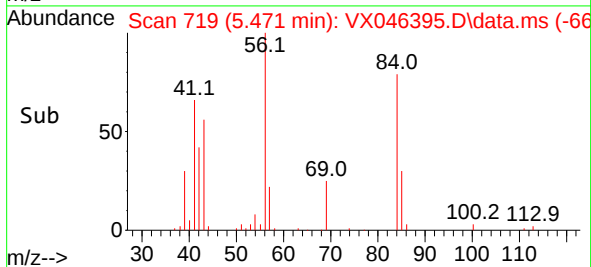
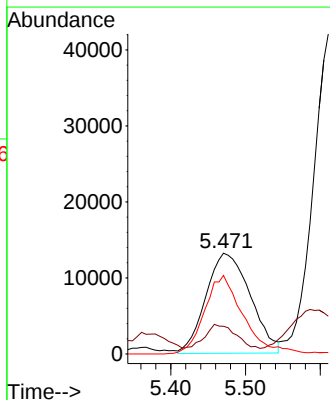
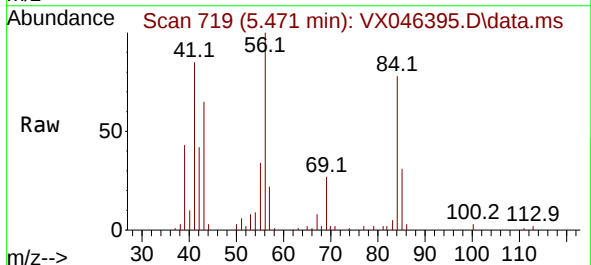
Manual Integrations
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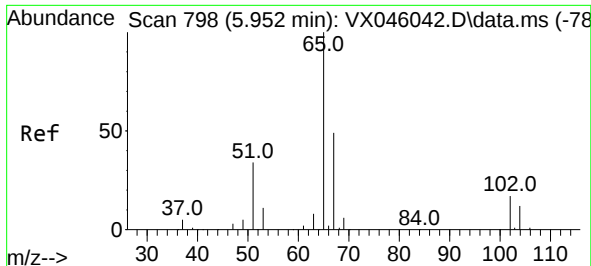
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#31
Cyclohexane
Concen: 40.789 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 56 Resp: 54389
Ion Ratio Lower Upper
56 100
69 19.5 24.4 36.6#
84 78.5 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 51.200 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046395.D

Acq: 29 May 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :

MW10

Tgt Ion: 65 Resp: 5728

Ion Ratio Lower Upper

65 100

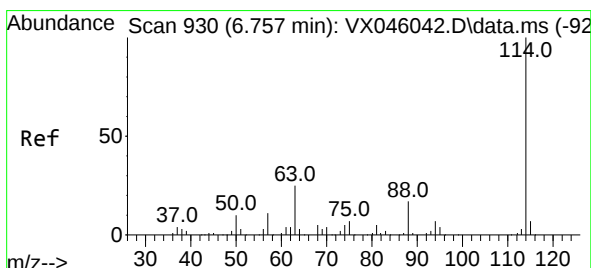
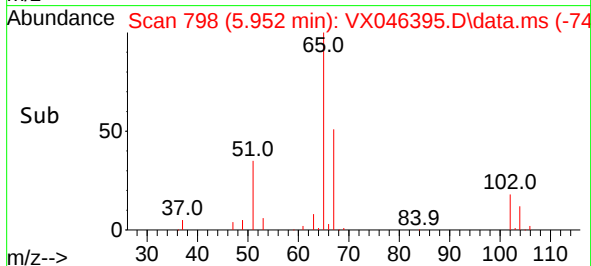
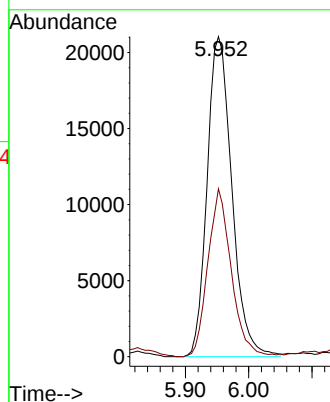
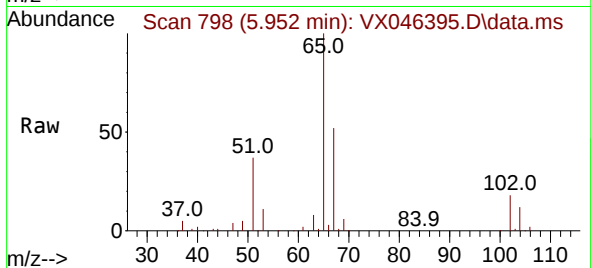
67 49.6 0.0 99.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046395.D

Acq: 29 May 2025 13:30

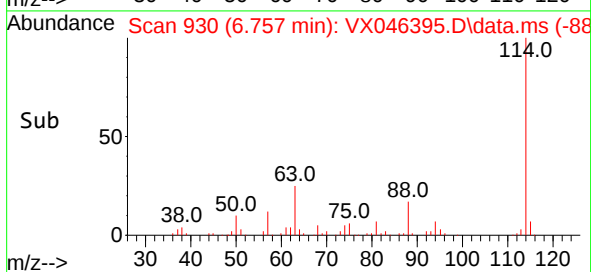
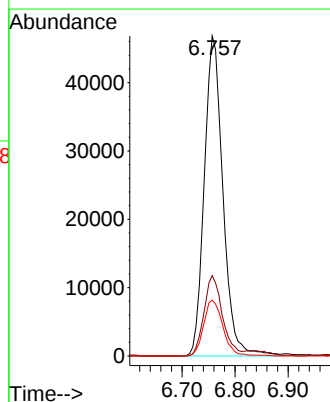
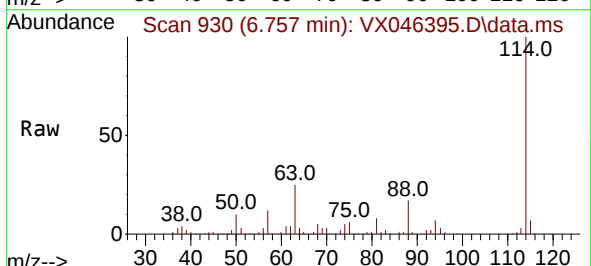
Tgt Ion:114 Resp: 114311

Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.2

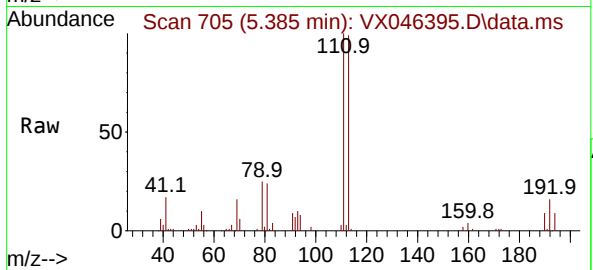
88 17.4 0.0 33.6





#35
Dibromofluoromethane
Concen: 51.526 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

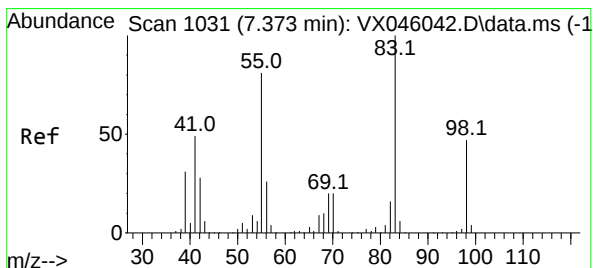
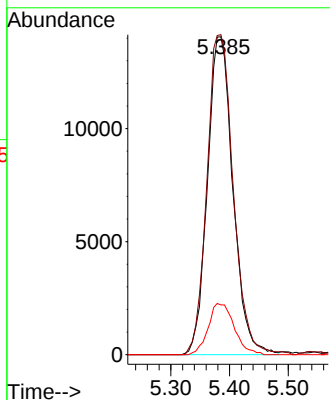
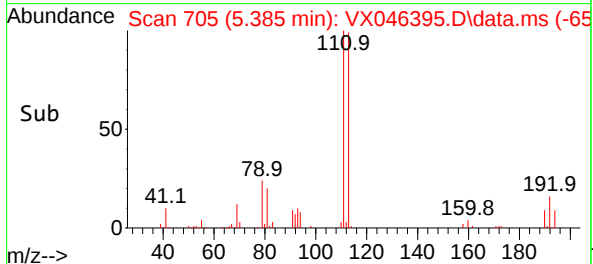
Instrument :
MSVOA_X
ClientSampleId :
MW10



Tgt Ion:113 Resp: 42414
Ion Ratio Lower Upper
113 100
111 103.9 83.1 124.7
192 16.4 13.3 19.9

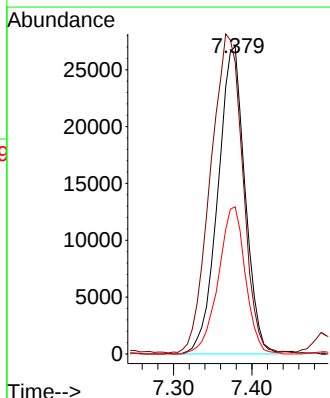
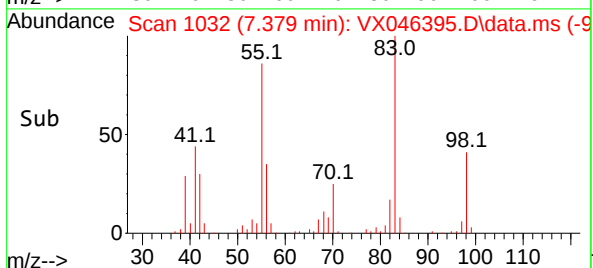
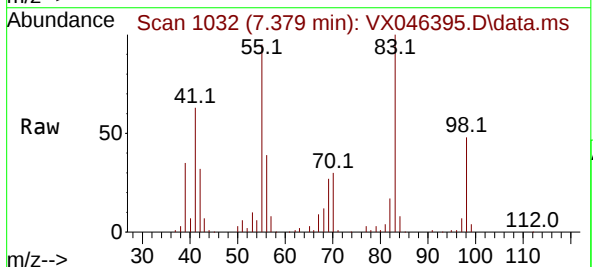
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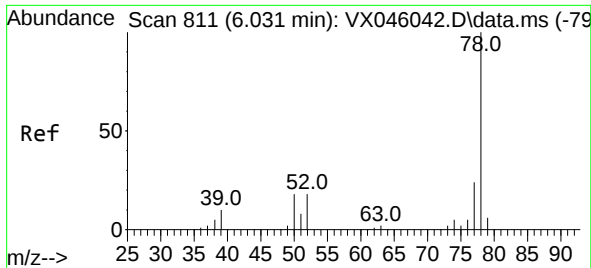
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#39
Methylcyclohexane
Concen: 45.793 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 83 Resp: 65204
Ion Ratio Lower Upper
83 100
55 94.3 64.7 97.1
98 47.8 37.4 56.2





#40

Benzene

Concen: 2.480 ug/l

RT: 6.044 min Scan# 811

Delta R.T. 0.012 min

Lab File: VX046395.D

Acq: 29 May 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :

MW10

Tgt Ion: 78 Resp: 803

Ion Ratio Lower Upper

78 100

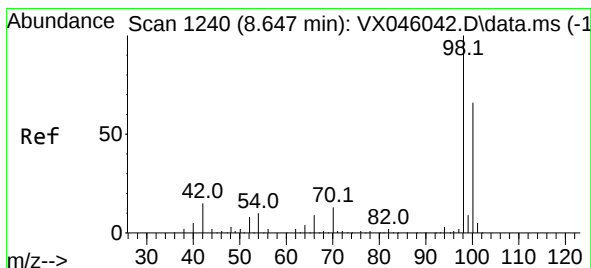
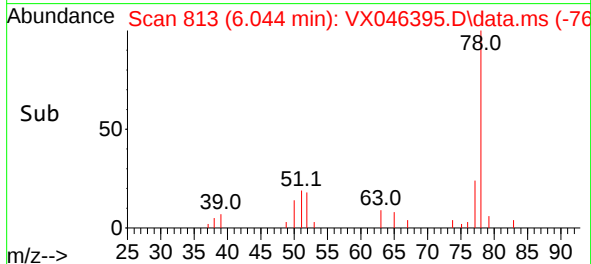
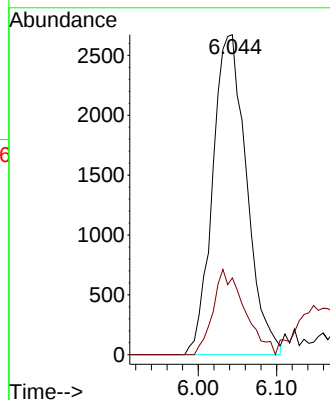
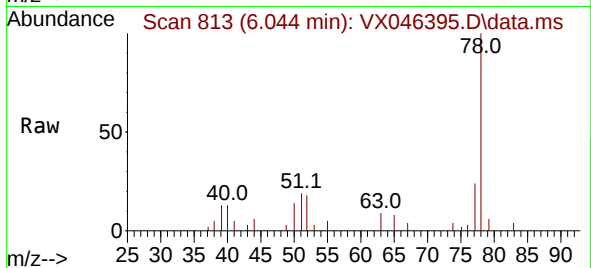
77 24.0 19.0 28.4

Manual Integrations

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Supervised By :Mahesh Dadoda 05/30/2025



#50

Toluene-d8

Concen: 53.095 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046395.D

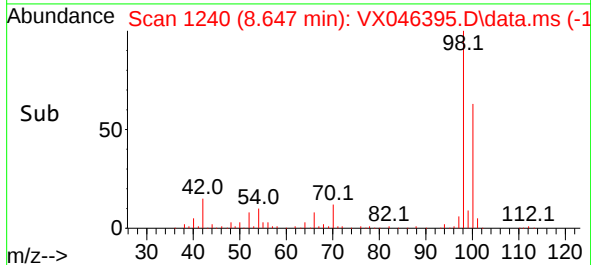
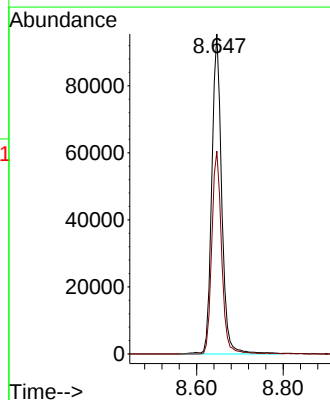
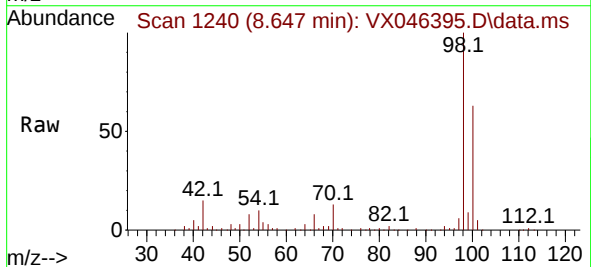
Acq: 29 May 2025 13:30

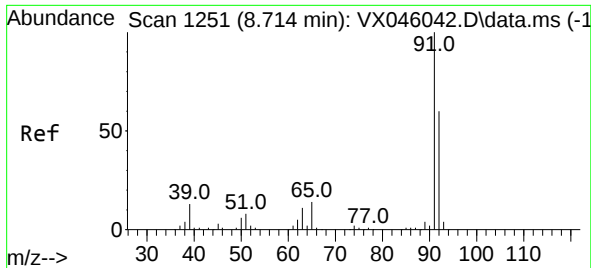
Tgt Ion: 98 Resp: 151272

Ion Ratio Lower Upper

98 100

100 62.7 53.5 80.3





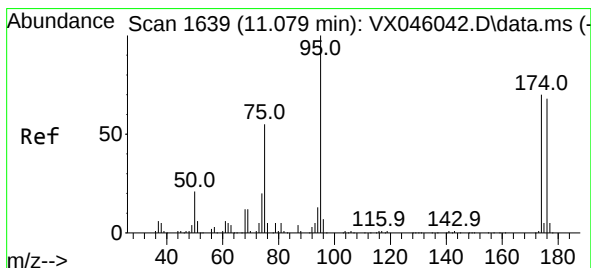
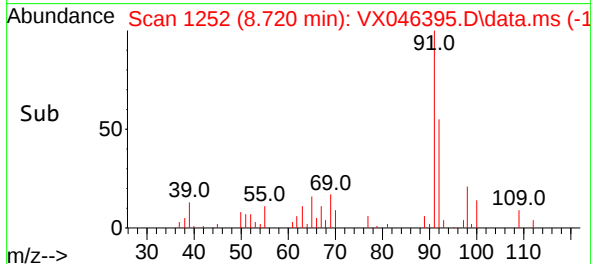
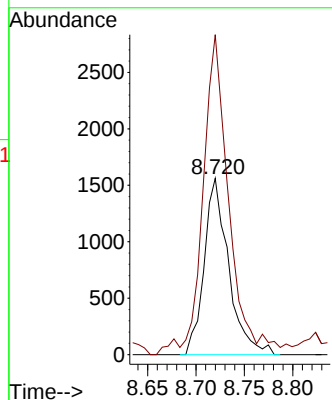
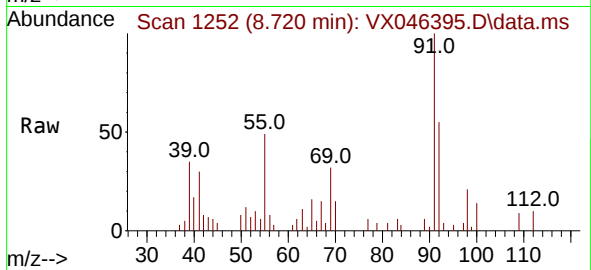
#52
Toluene
Concen: 1.385 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Instrument :
MSVOA_X
ClientSampleId :
MW10

Tgt Ion: 92 Resp: 275
Ion Ratio Lower Upper
92 100
91 193.9 136.6 205.0

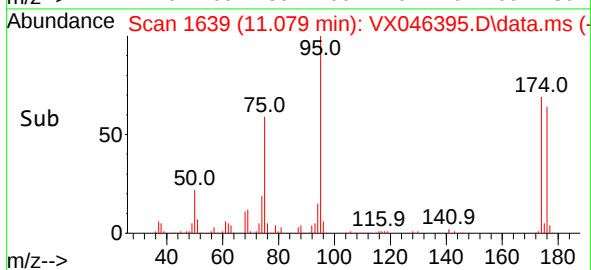
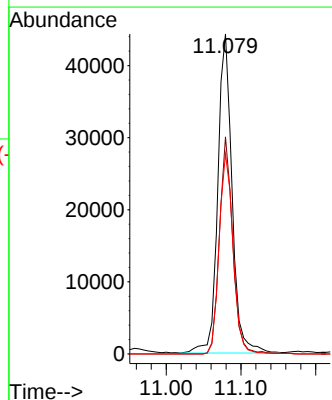
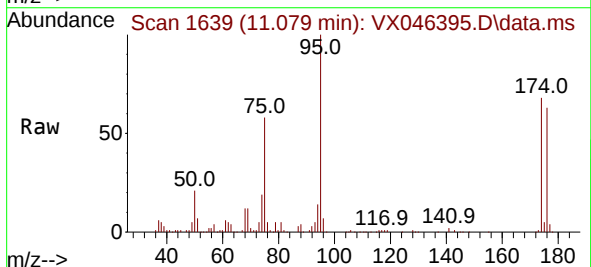
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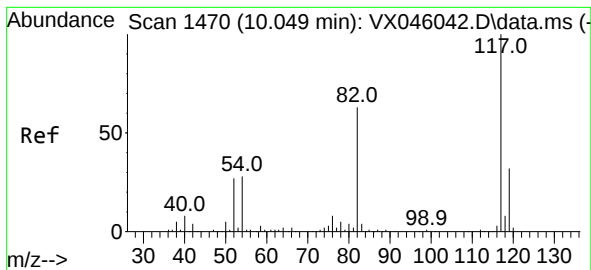
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#62
4-Bromofluorobenzene
Concen: 54.047 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 95 Resp: 59066
Ion Ratio Lower Upper
95 100
174 63.1 0.0 135.8
176 61.3 0.0 131.4





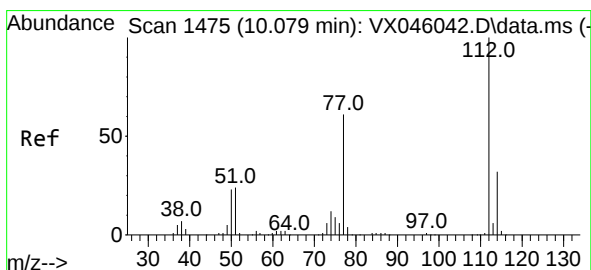
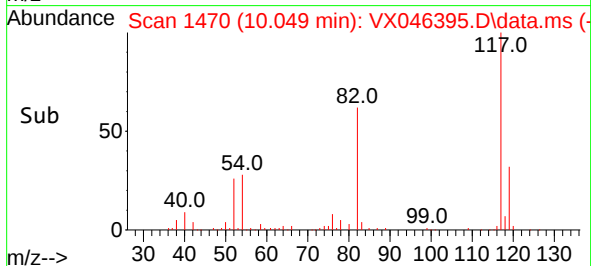
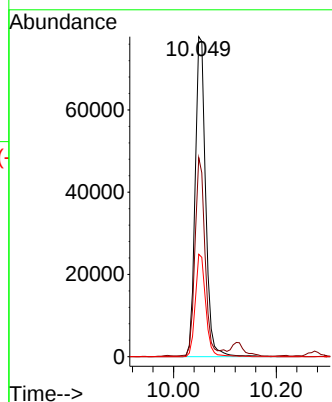
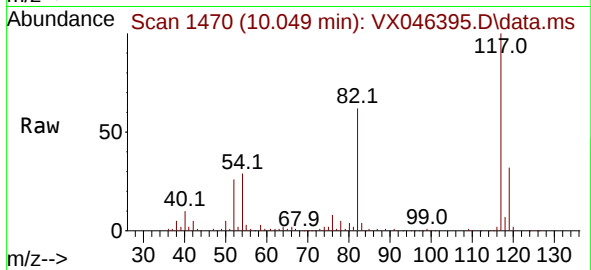
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Instrument :
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ClientSampleId :
MW10

Tgt Ion:117 Resp: 11028
Ion Ratio Lower Upper
117 100
82 61.9 50.6 76.0
119 32.0 25.8 38.6

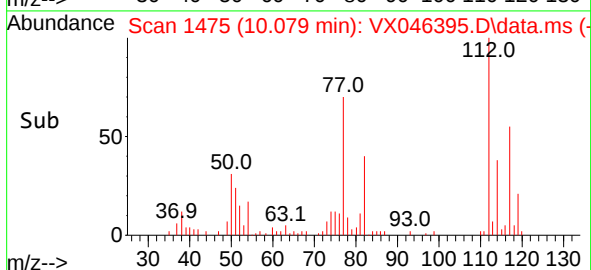
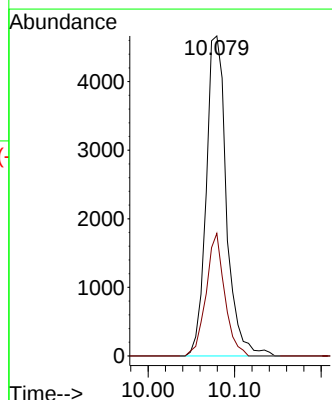
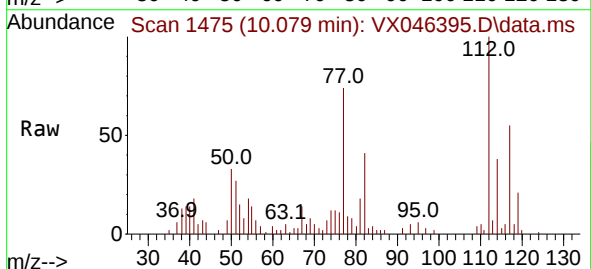
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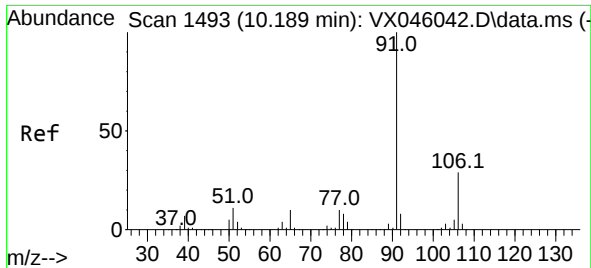
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#65
Chlorobenzene
Concen: 3.136 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

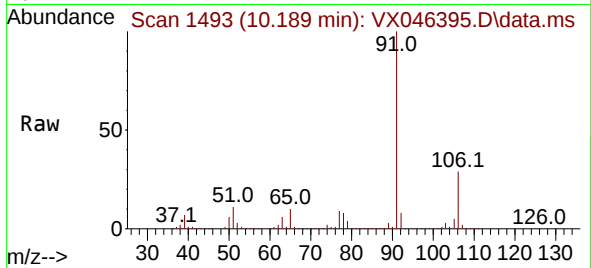
Tgt Ion:112 Resp: 7571
Ion Ratio Lower Upper
112 100
114 38.3 25.4 38.2#





#67
Ethyl Benzene
Concen: 105.793 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

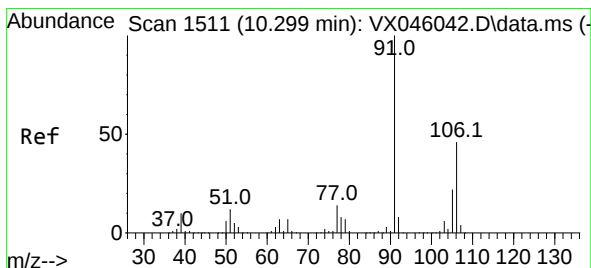
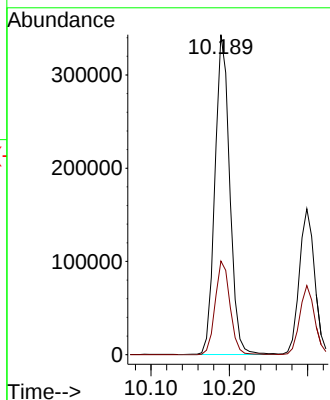
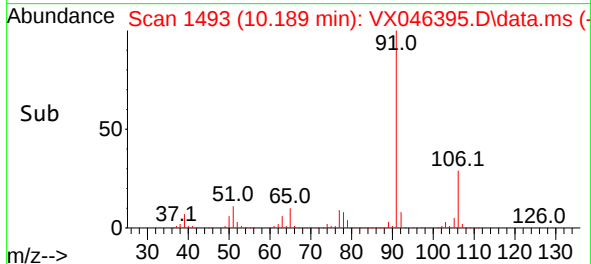
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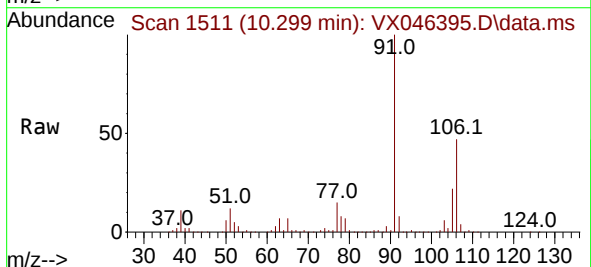
Tgt Ion: 91 Resp: 450150
Ion Ratio Lower Upper
91 100
106 29.3 23.4 35.2

Manual Integrations
APPROVED

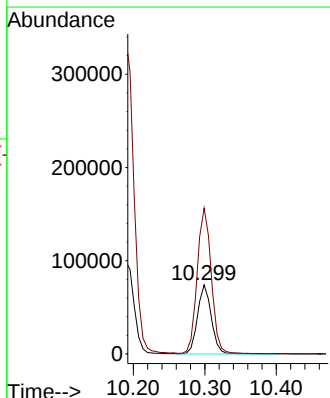
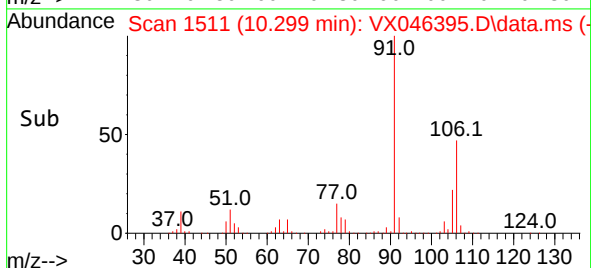
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

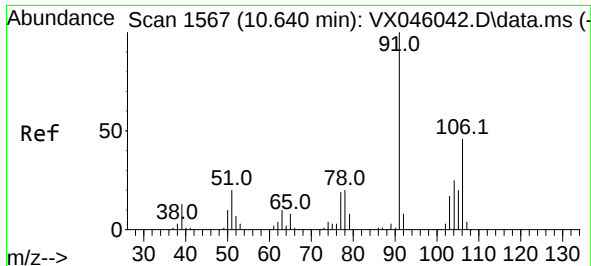


#68
m/p-Xylenes
Concen: 63.413 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30



Tgt Ion:106 Resp: 98688
Ion Ratio Lower Upper
106 100
91 216.3 171.2 256.8





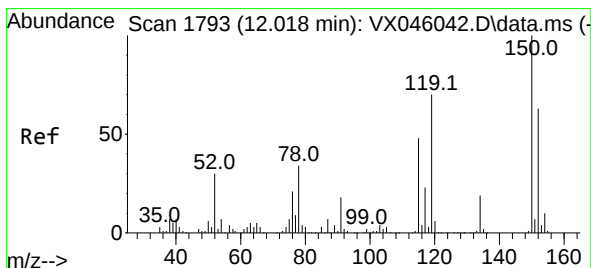
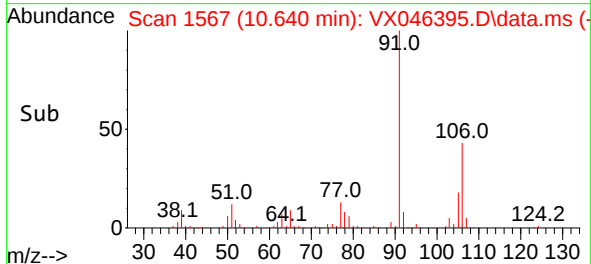
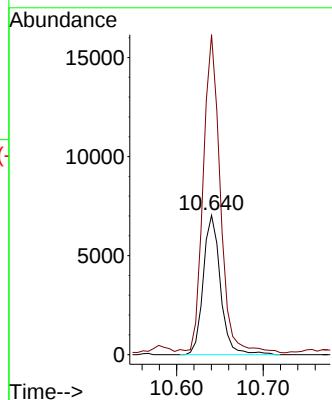
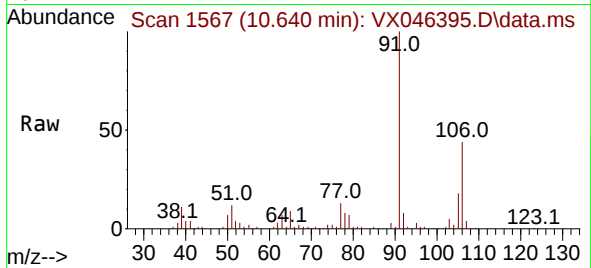
#69
o-Xylene
Concen: 6.393 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Instrument :
MSVOA_X
ClientSampleId :
MW10

Tgt Ion:106 Resp: 969
Ion Ratio Lower Upper
106 100
91 225.4 112.7 338.1

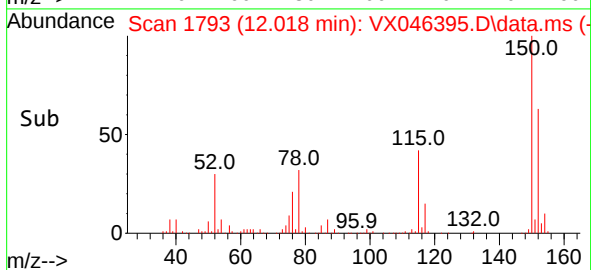
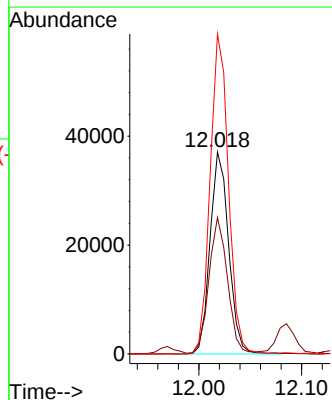
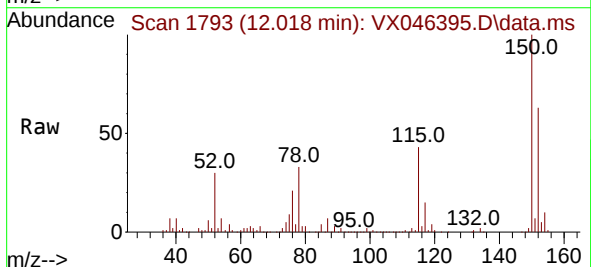
Manual Integrations
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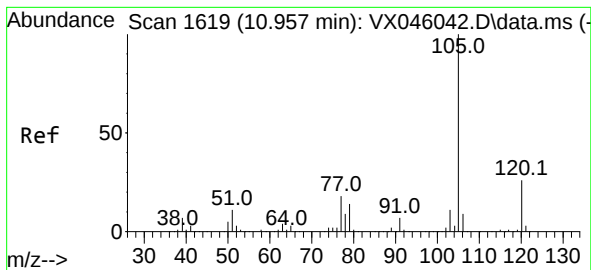
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion:152 Resp: 46578
Ion Ratio Lower Upper
152 100
115 66.3 46.9 140.7
150 156.9 0.0 351.0





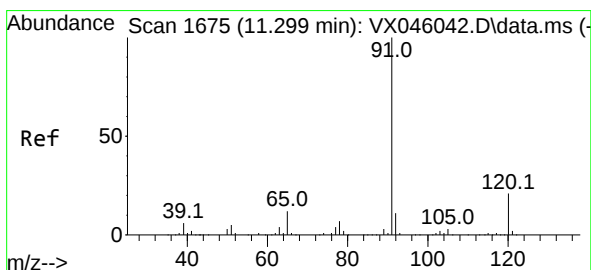
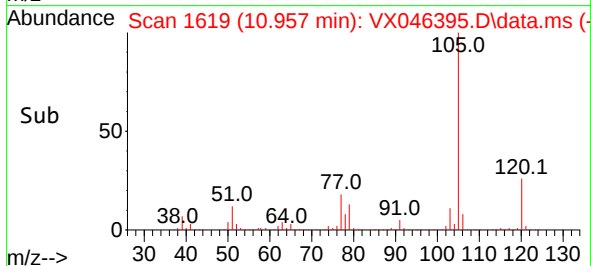
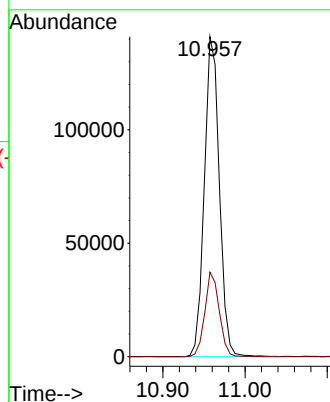
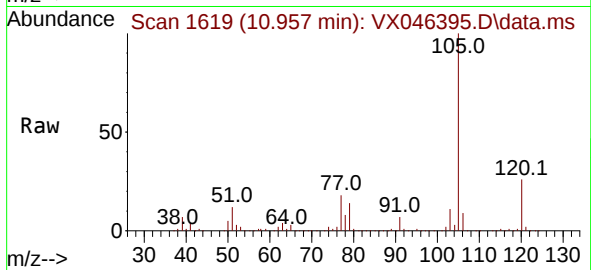
#73
Isopropylbenzene
Concen: 49.251 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Instrument :
MSVOA_X
ClientSampleId :
MW10

Tgt Ion:105 Resp: 17859
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.4

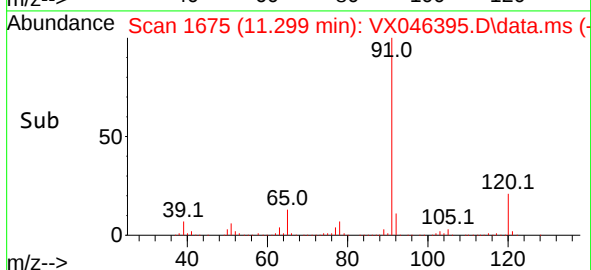
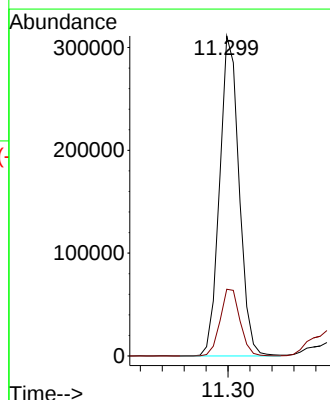
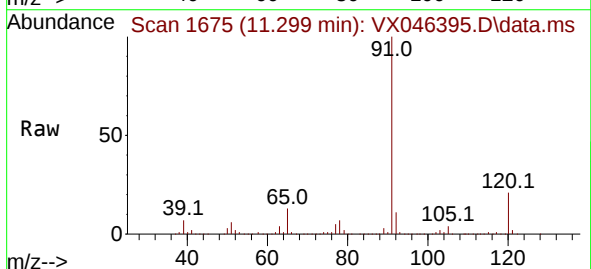
Manual Integrations
APPROVED

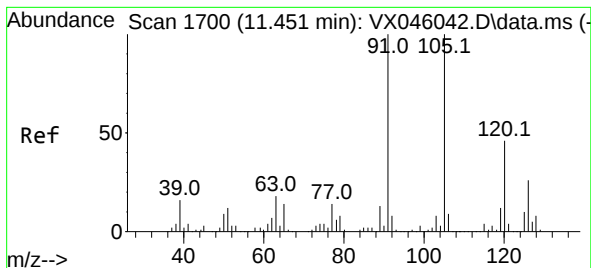
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#78
n-propylbenzene
Concen: 91.135 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

Tgt Ion: 91 Resp: 384260
Ion Ratio Lower Upper
91 100
120 21.3 10.8 32.4





#80

1,3,5-Trimethylbenzene

Concen: 8.694 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046395.D

Acq: 29 May 2025 13:30

Instrument :

MSVOA_X

ClientSampleId :

MW10

Tgt Ion:105 Resp: 26339

Ion Ratio Lower Upper

105 100

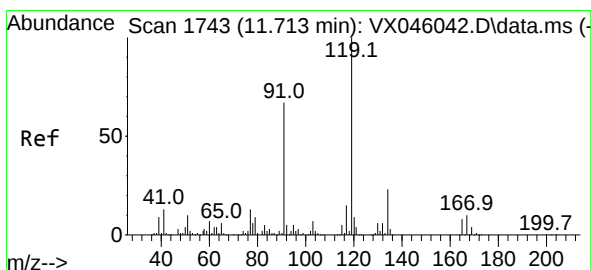
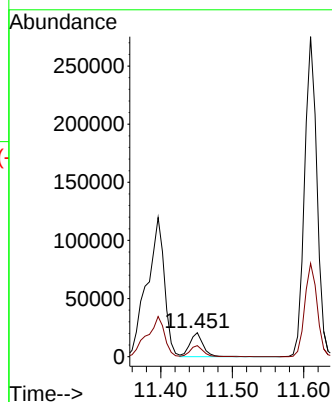
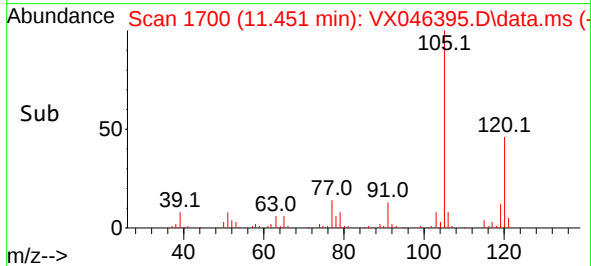
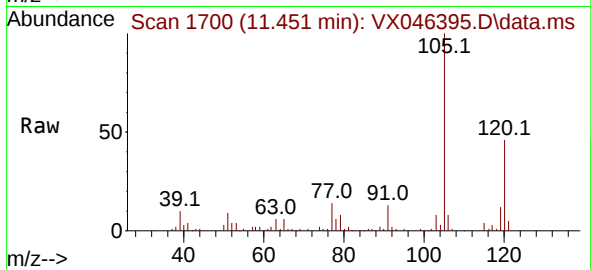
120 46.6 23.1 69.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#83

tert-Butylbenzene

Concen: 3.621 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX046395.D

Acq: 29 May 2025 13:30

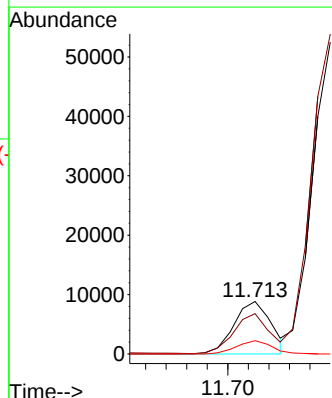
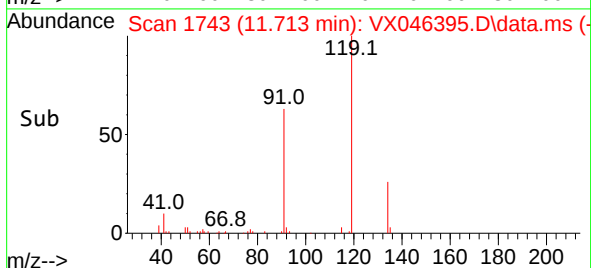
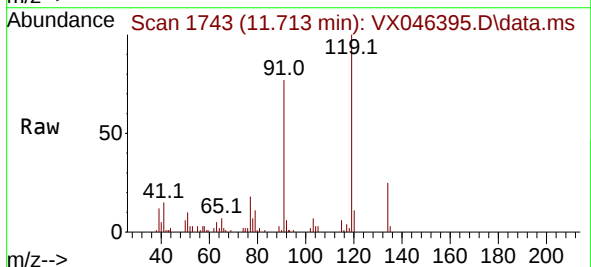
Tgt Ion:119 Resp: 11050

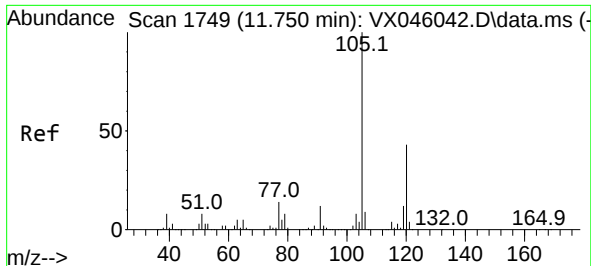
Ion Ratio Lower Upper

119 100

91 73.6 32.9 98.7

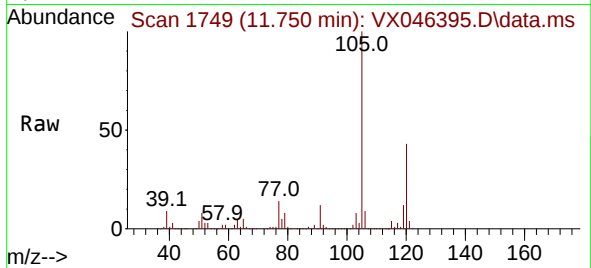
134 24.0 11.4 34.1





#84
1,2,4-Trimethylbenzene
Concen: 174.084 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

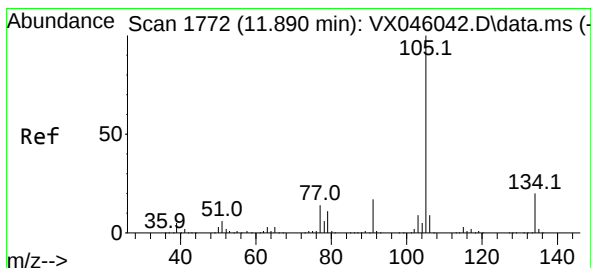
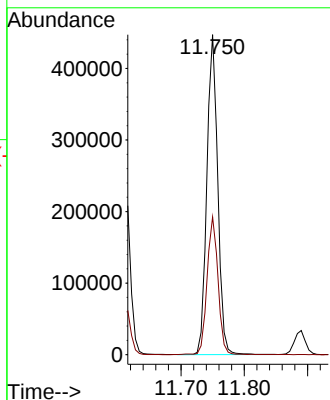
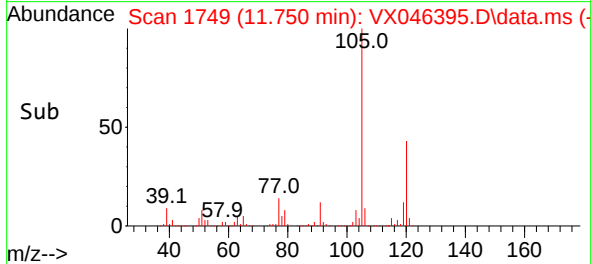
Instrument :
MSVOA_X
ClientSampleId :
MW10



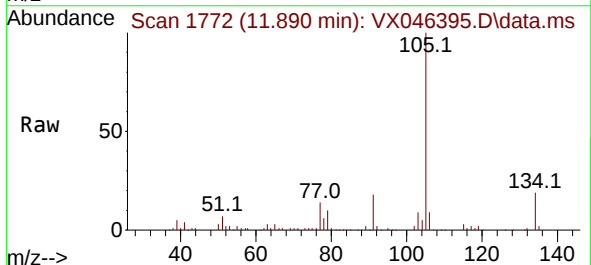
Tgt Ion:105 Resp: 534070
Ion Ratio Lower Upper
105 100
120 43.4 21.2 63.6

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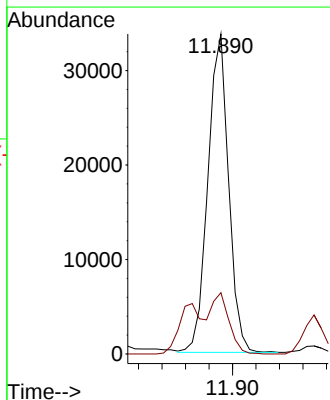
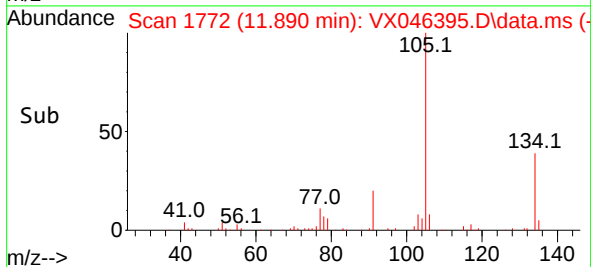
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

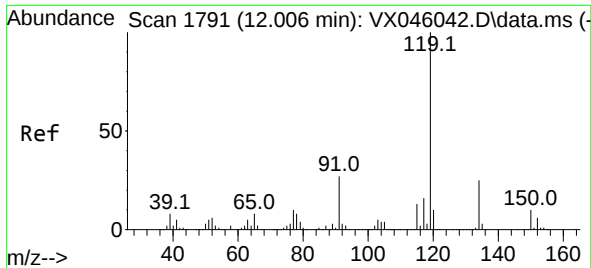


#85
sec-Butylbenzene
Concen: 11.027 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30



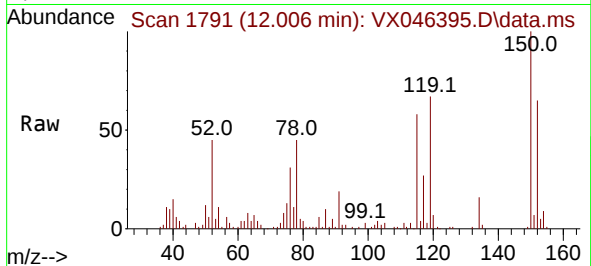
Tgt Ion:105 Resp: 41314
Ion Ratio Lower Upper
105 100
134 16.0 9.7 29.1





#86
p-Isopropyltoluene
Concen: 2.928 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30

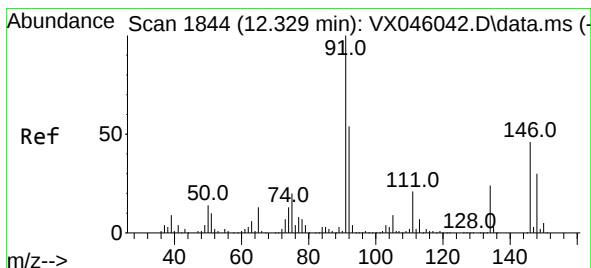
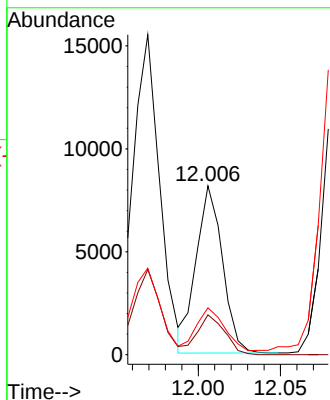
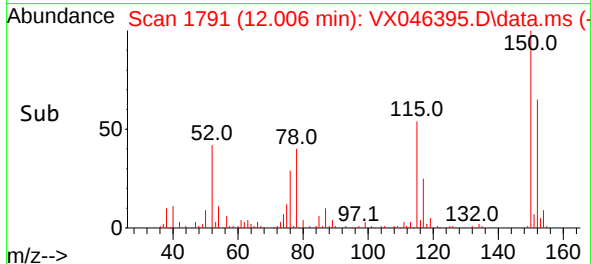
Instrument :
MSVOA_X
ClientSampleId :
MW10



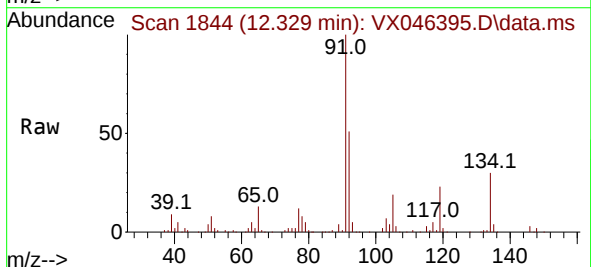
Tgt Ion: 119 Resp: 905
Ion Ratio Lower Upper
119 100
134 25.1 12.5 37.5
91 26.6 13.8 41.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#89
n-Butylbenzene
Concen: 11.915 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046395.D
Acq: 29 May 2025 13:30



Tgt Ion: 91 Resp: 32322
Ion Ratio Lower Upper
91 100
92 61.3 26.9 80.7
134 123.0 11.8 35.3#

