

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045096.D
 Acq On : 28 Feb 2025 18:04
 Operator : JC/MD
 Sample : Q1462-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/03/2025
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 23:11:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	67549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129283	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	53449	49.745	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.480%			
35) Dibromofluoromethane	5.385	113	45091	52.160	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	8.647	98	158977	50.726	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	58965	56.777	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.560%			
Target Compounds					Qvalue	
31) Cyclohexane	5.465	56	73222	50.089	ug/l	96
39) Methylcyclohexane	7.373	83	79287	55.814	ug/l	91
40) Benzene	6.038	78	5424	1.449	ug/l	90
52) Toluene	8.720	92	3152	1.435	ug/l	100
67) Ethyl Benzene	10.195	91	14198	3.204	ug/l	91
68) m/p-Xylenes	10.305	106	6398	3.944	ug/l	99
69) o-Xylene	10.640	106	6434	3.932	ug/l	96
73) Isopropylbenzene	10.964	105	100492	23.912	ug/l	98
78) n-propylbenzene	11.299	91	494860	104.238	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	387454	114.020	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	1375816	402.383	ug/l	99
85) sec-Butylbenzene	11.890	105	45438	10.864	ug/l	94
86) p-Isopropyltoluene	12.006	119	18332m	5.424	ug/l	
89) n-Butylbenzene	12.329	91	101856	34.989	ug/l #	38
95) Naphthalene	13.774	128	12131	3.125	ug/l #	86

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

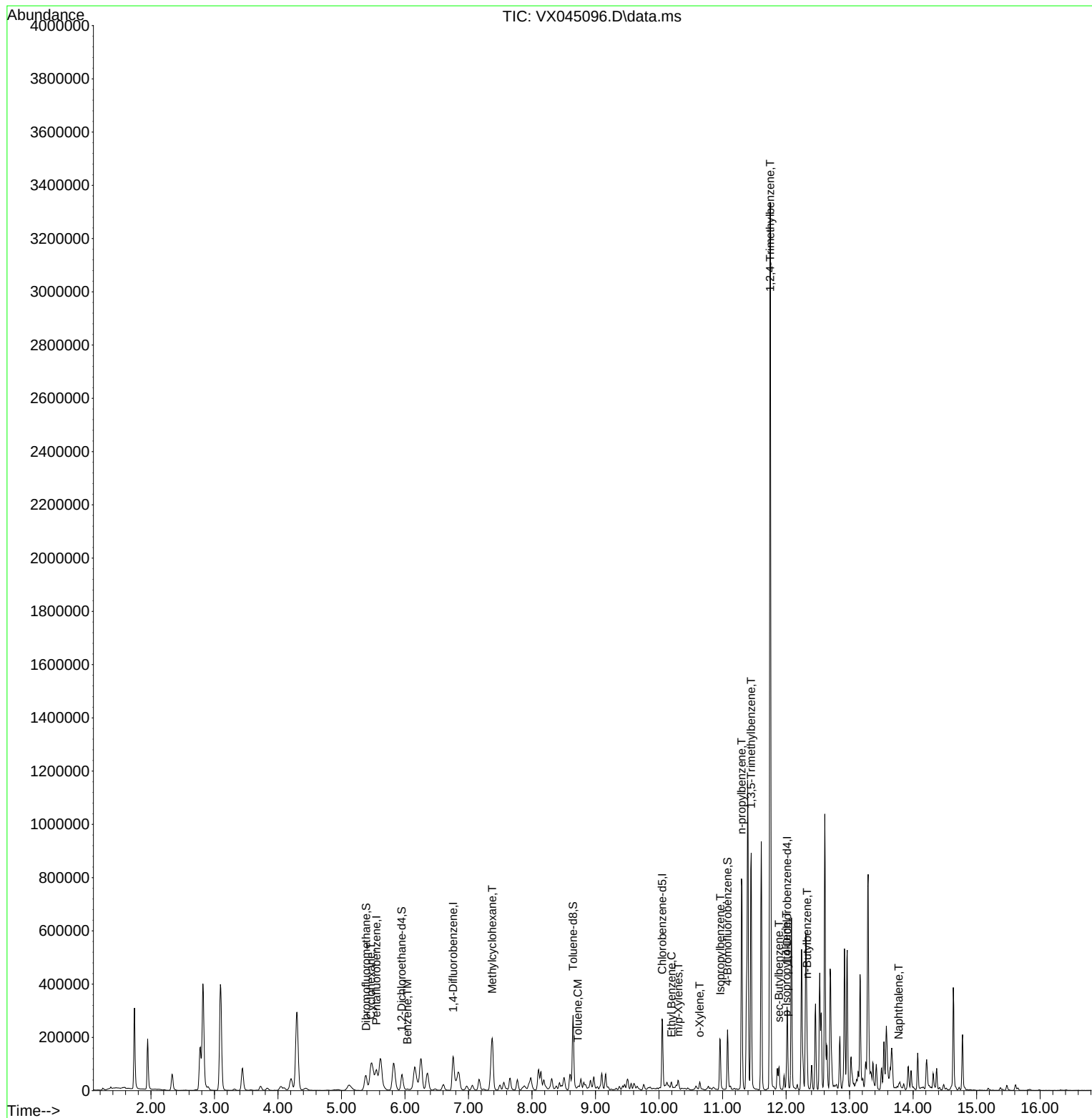
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045096.D
Acq On : 28 Feb 2025 18:04
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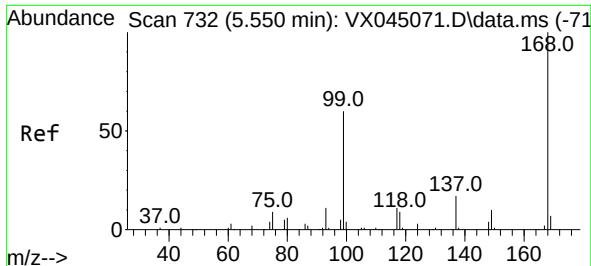
Instrument :
MSVOA_X
ClientSampleId :
MW2

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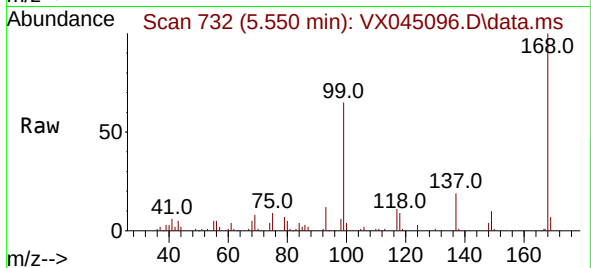
Quant Time: Feb 28 23:11:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

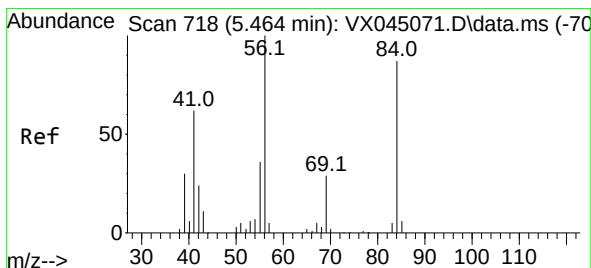
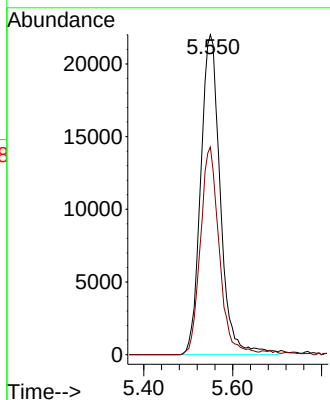
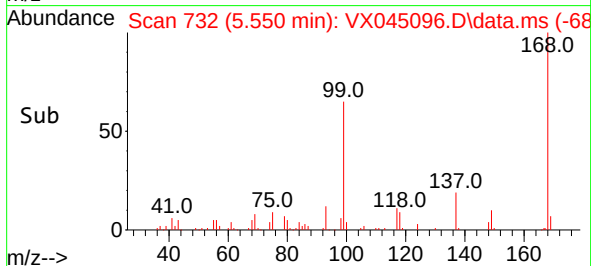
Instrument :
MSVOA_X
ClientSampleId :
MW2



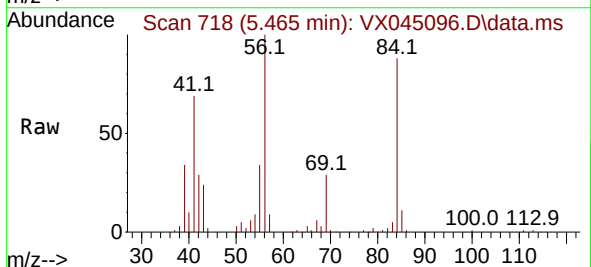
Tgt Ion:168 Resp: 67549
Ion Ratio Lower Upper
168 100
99 64.9 48.2 72.4

Manual Integrations
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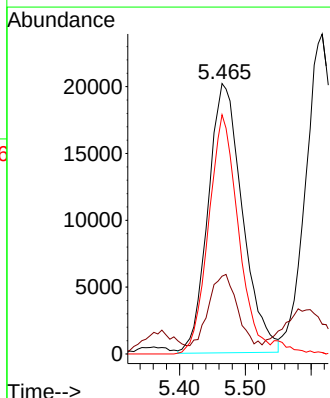
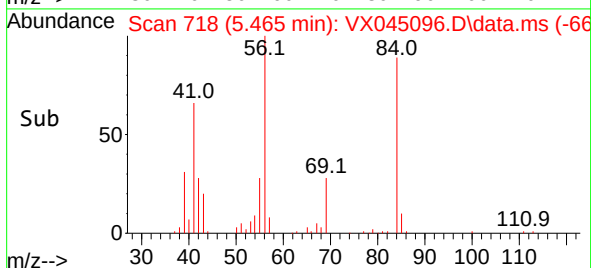
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

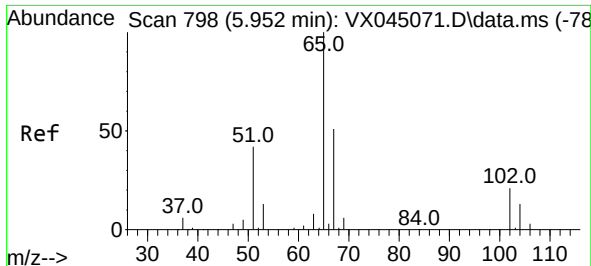


#31
Cyclohexane
Concen: 50.089 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04



Tgt Ion: 56 Resp: 73222
Ion Ratio Lower Upper
56 100
69 24.2 23.4 35.2
84 89.2 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 49.745 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA_X

ClientSampleId :

MW2

Tgt Ion: 65 Resp: 53449

Ion Ratio Lower Upper

65 100

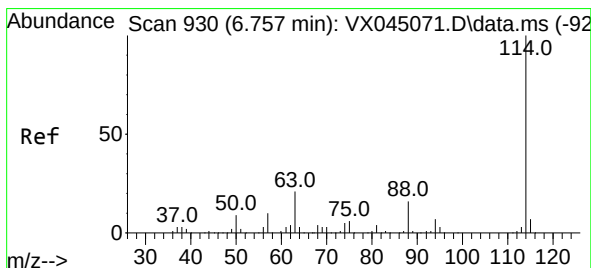
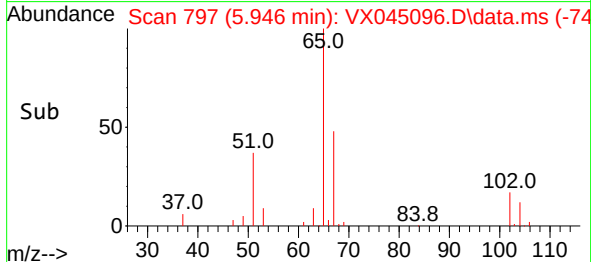
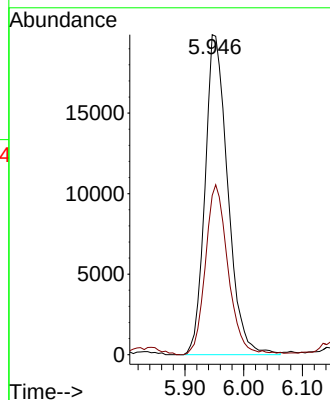
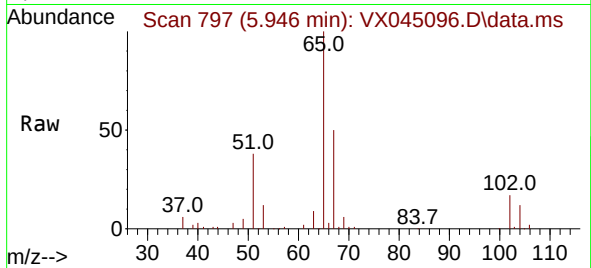
67 52.9 0.0 106.2

Manual Integrations

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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: VX045096.D

Acq: 28 Feb 2025 18:04

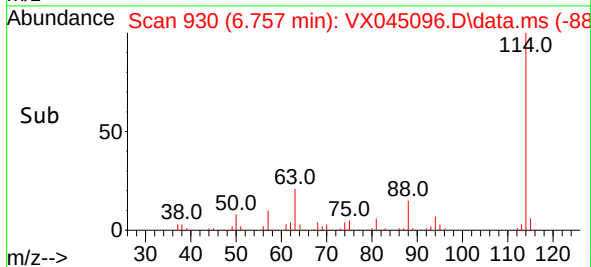
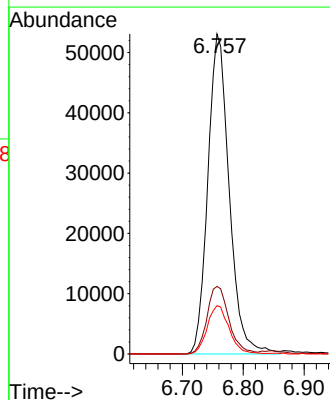
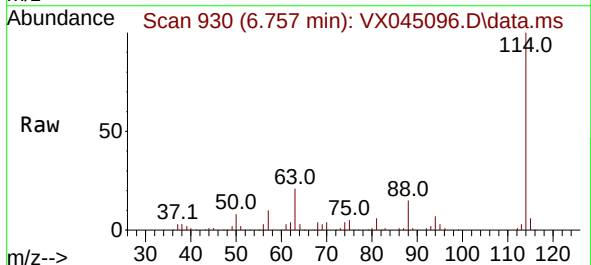
Tgt Ion:114 Resp: 129283

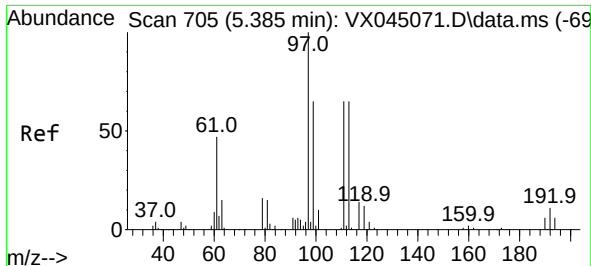
Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.8

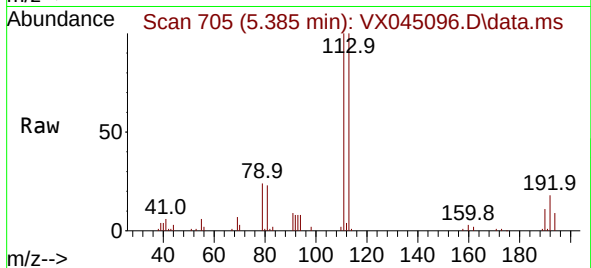
88 15.1 0.0 32.8





#35
Dibromofluoromethane
Concen: 52.160 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

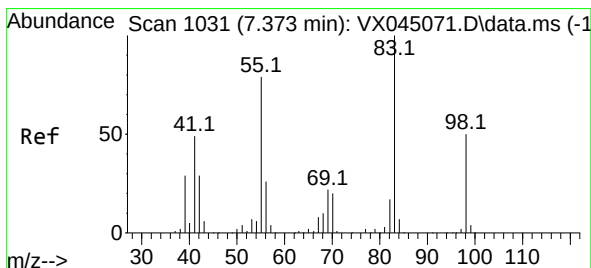
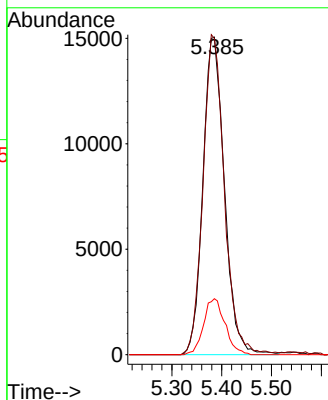
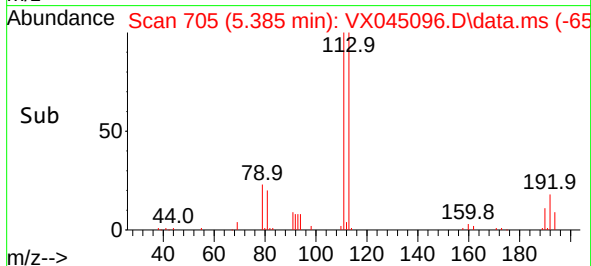
Instrument :
MSVOA_X
ClientSampleId :
MW2



Tgt Ion: 113 Resp: 4509
Ion Ratio Lower Upper
113 100
111 100.2 81.8 122.6
192 17.6 14.3 21.5

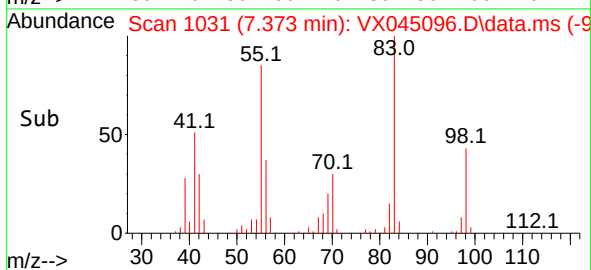
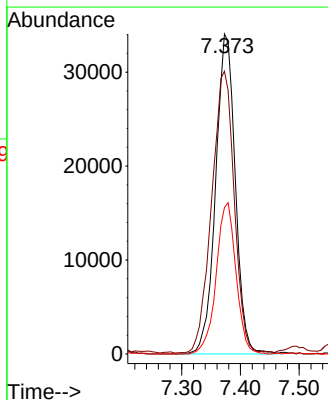
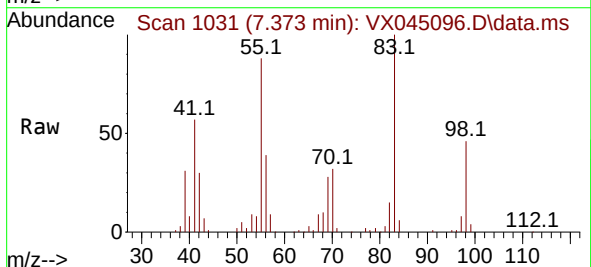
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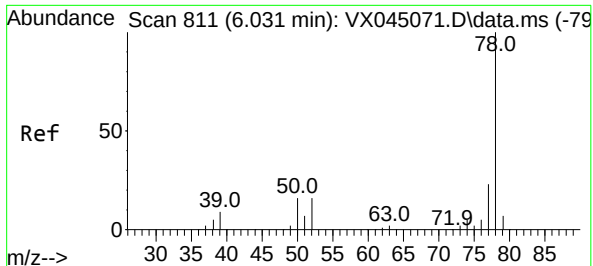
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#39
Methylcyclohexane
Concen: 55.814 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

Tgt Ion: 83 Resp: 79287
Ion Ratio Lower Upper
83 100
55 88.0 63.0 94.4
98 45.8 39.7 59.5





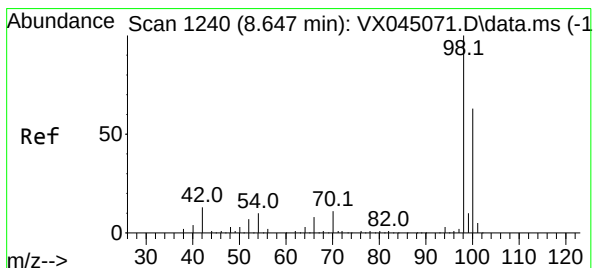
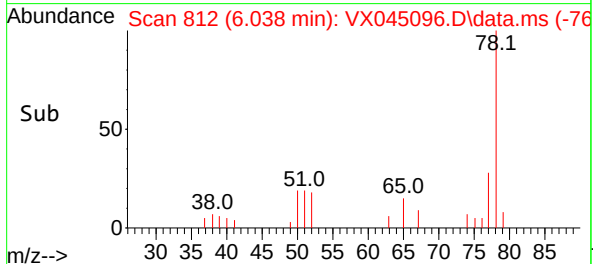
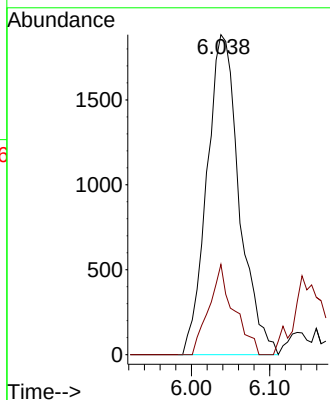
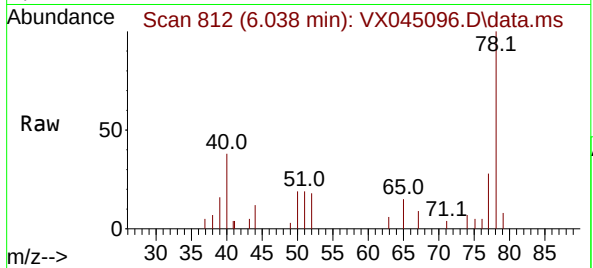
#40
Benzene
Concen: 1.449 ug/l
RT: 6.038 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

Instrument :
MSVOA_X
ClientSampleId :
MW2

Tgt Ion: 78 Resp: 5424
Ion Ratio Lower Upper
78 100
77 28.2 18.8 28.2

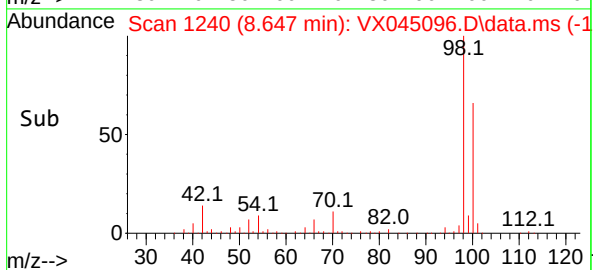
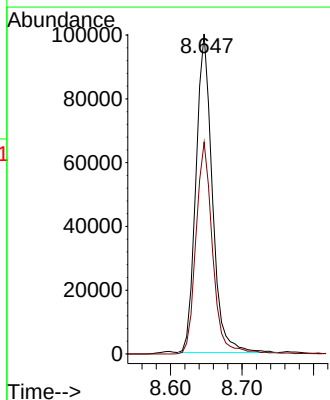
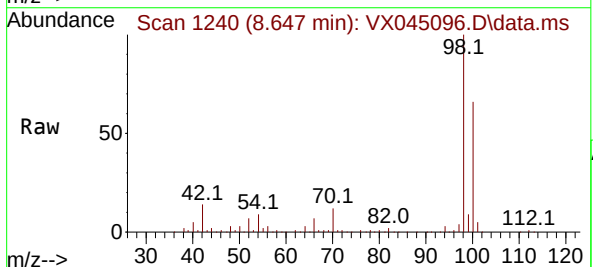
Manual Integrations
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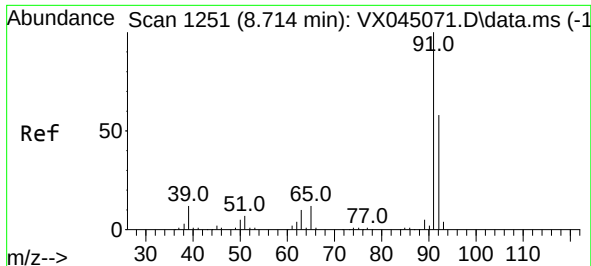
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#50
Toluene-d8
Concen: 50.726 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

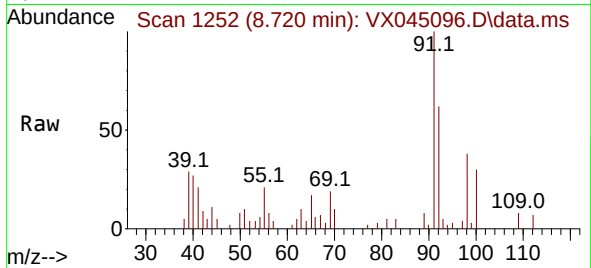
Tgt Ion: 98 Resp: 158977
Ion Ratio Lower Upper
98 100
100 67.8 52.0 78.0





#52
Toluene
Concen: 1.435 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

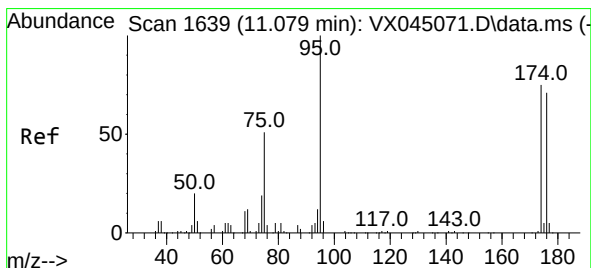
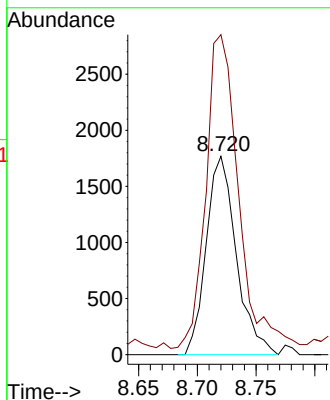
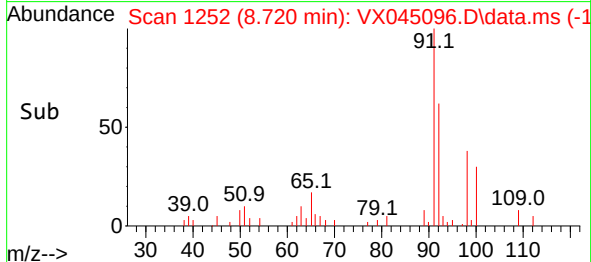
Instrument :
MSVOA_X
ClientSampleId :
MW2



Tgt Ion: 92 Resp: 3152
Ion Ratio Lower Upper
92 100
91 173.1 138.9 208.3

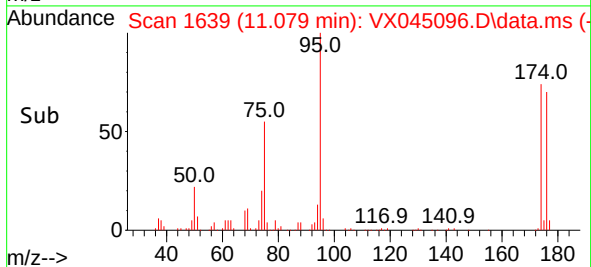
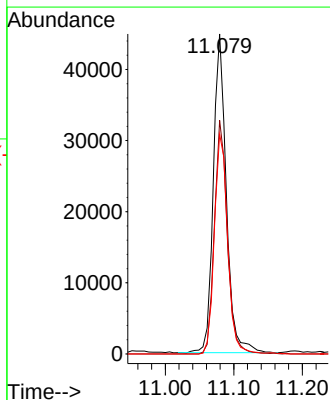
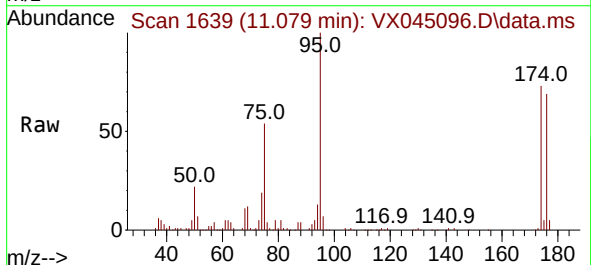
Manual Integrations
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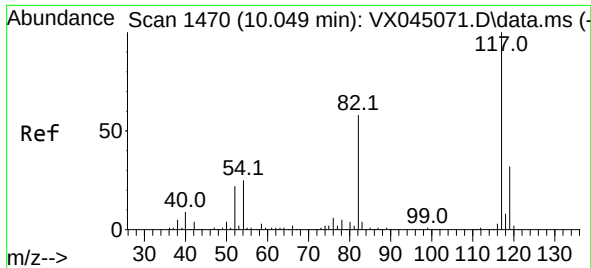
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#62
4-Bromofluorobenzene
Concen: 56.777 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

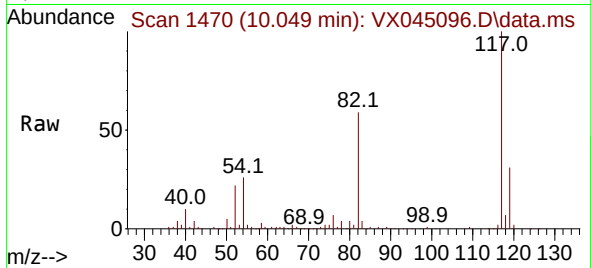
Tgt Ion: 95 Resp: 58965
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.2
176 70.4 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

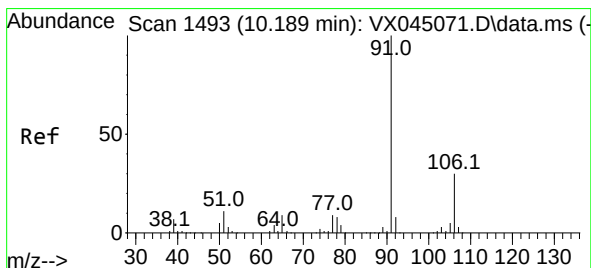
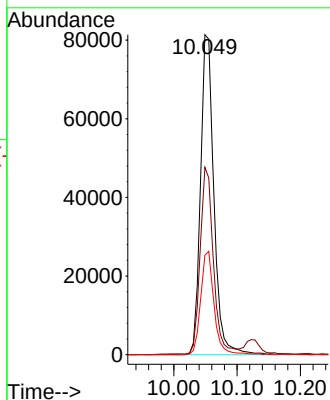
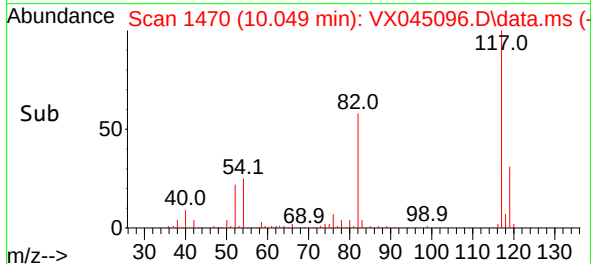
Instrument :
MSVOA_X
ClientSampleId :
MW2



Tgt Ion: 117 Resp: 12020
Ion Ratio Lower Upper
117 100
82 58.3 46.3 69.5
119 31.1 25.7 38.5

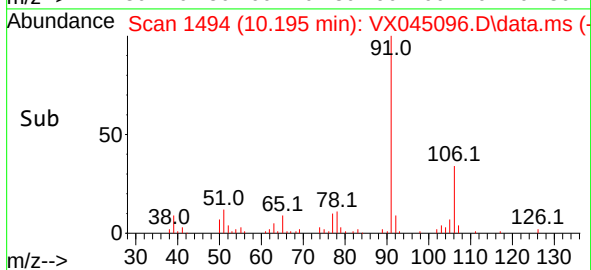
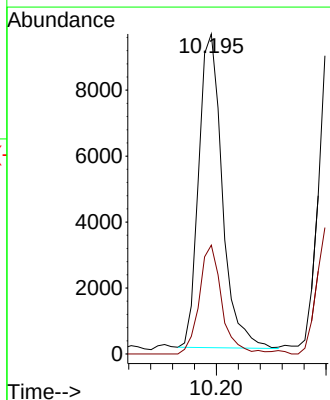
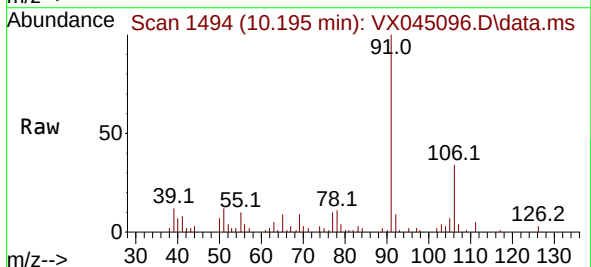
Manual Integrations
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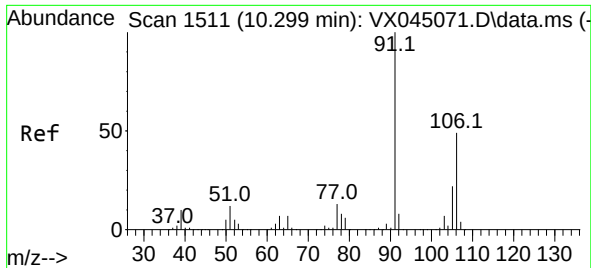
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#67
Ethyl Benzene
Concen: 3.204 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

Tgt Ion: 91 Resp: 14198
Ion Ratio Lower Upper
91 100
106 34.7 23.9 35.9





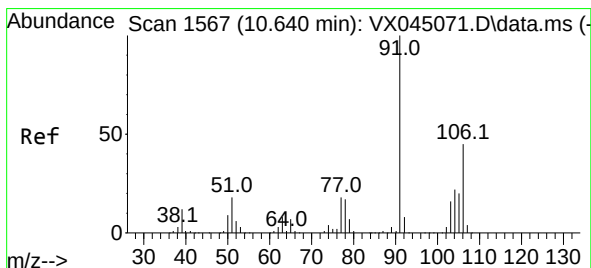
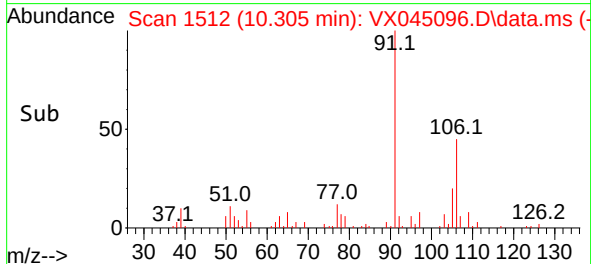
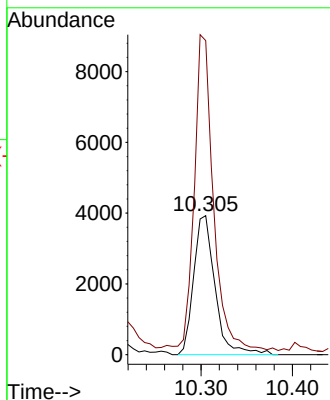
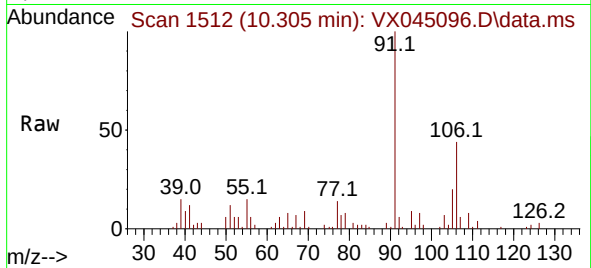
#68
m/p-Xylenes
Concen: 3.944 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

Instrument :
MSVOA_X
ClientSampleId :
MW2

Tgt Ion:106 Resp: 6398
Ion Ratio Lower Upper
106 100
91 204.5 165.4 248.0

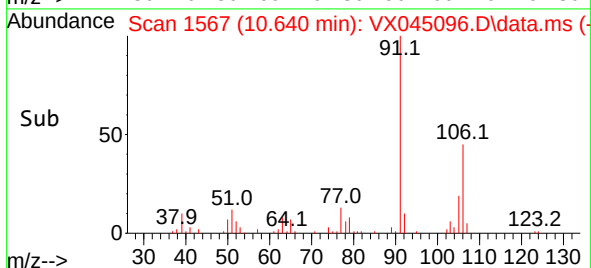
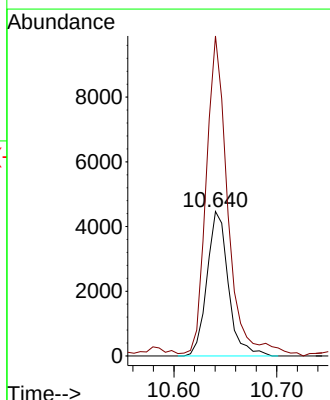
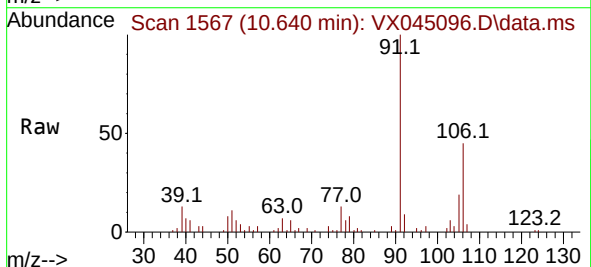
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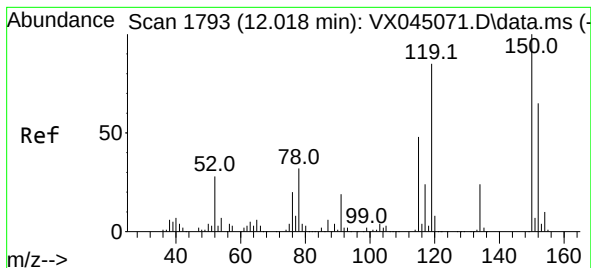
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#69
o-Xylene
Concen: 3.932 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

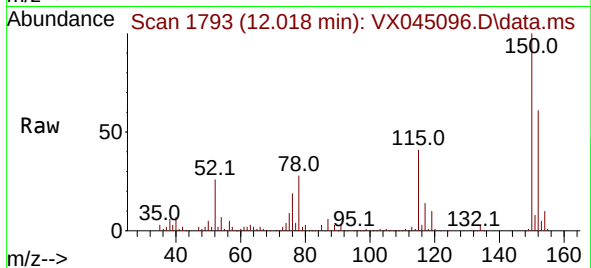
Tgt Ion:106 Resp: 6434
Ion Ratio Lower Upper
106 100
91 225.8 109.9 329.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

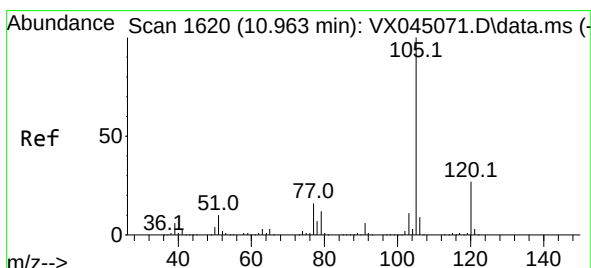
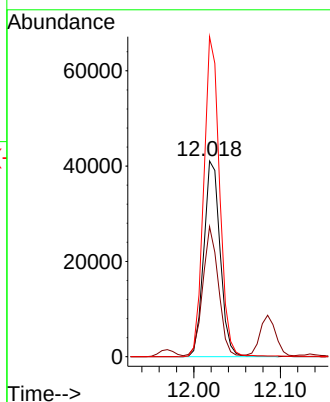
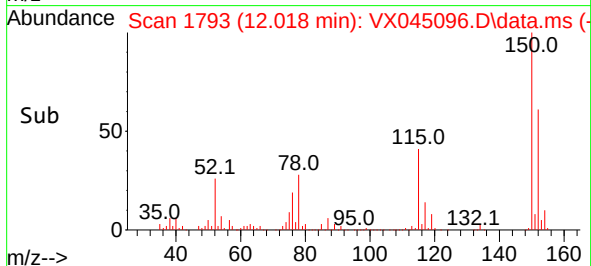
Instrument :
MSVOA_X
ClientSampleId :
MW2



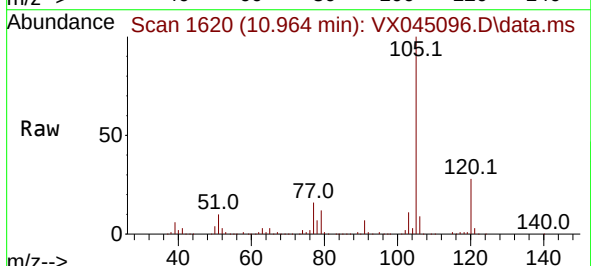
Tgt Ion:152 Resp: 5384
Ion Ratio Lower Upper
152 100
115 63.5 44.2 132.6
150 158.6 0.0 349.0

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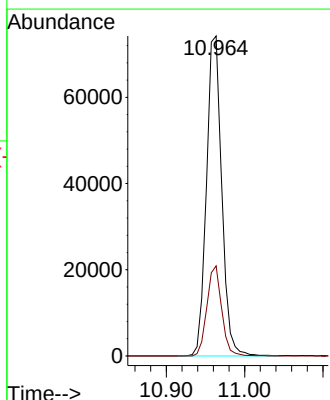
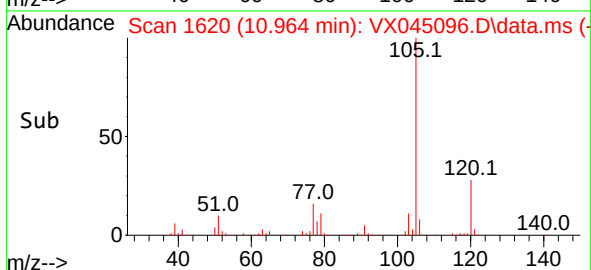
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

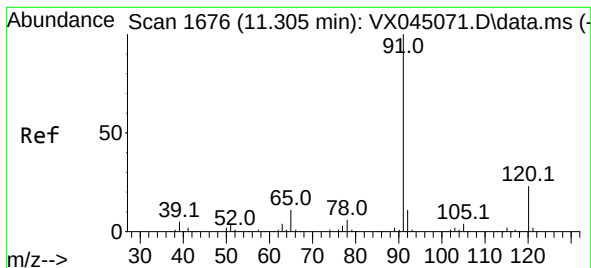


#73
Isopropylbenzene
Concen: 23.912 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04



Tgt Ion:105 Resp: 100492
Ion Ratio Lower Upper
105 100
120 27.1 13.2 39.5





#78

n-propylbenzene

Concen: 104.238 ug/l

RT: 11.299 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA_X

ClientSampleId :

MW2

Tgt Ion: 91 Resp: 494860

Ion Ratio Lower Upper

91 100

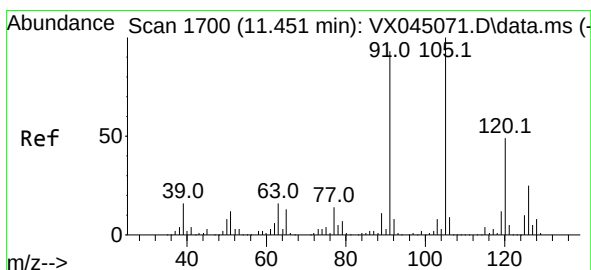
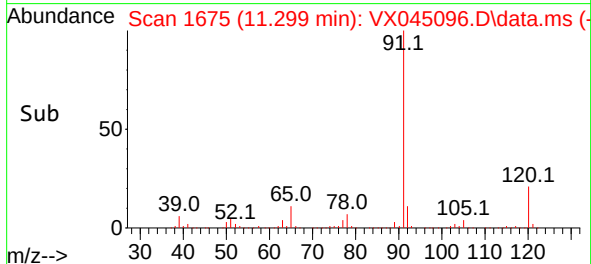
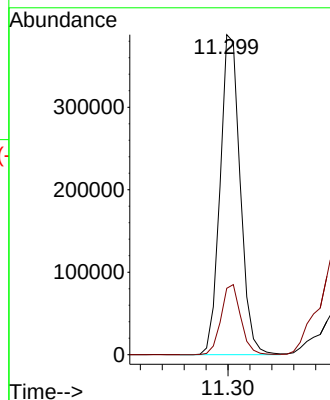
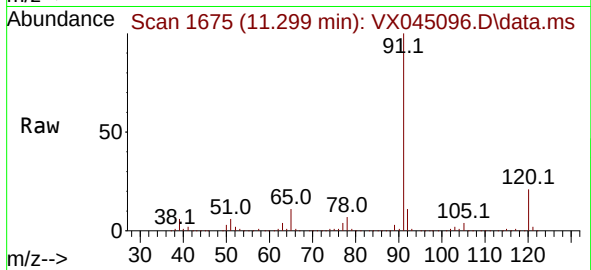
120 21.5 11.2 33.6

Manual Integrations

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Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 114.020 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045096.D

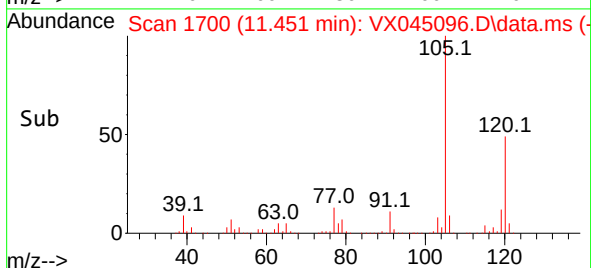
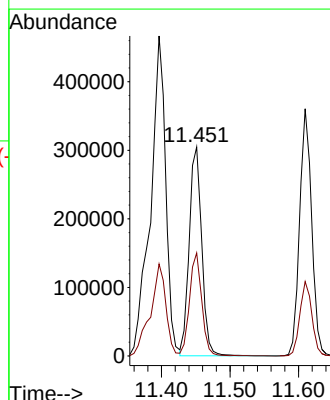
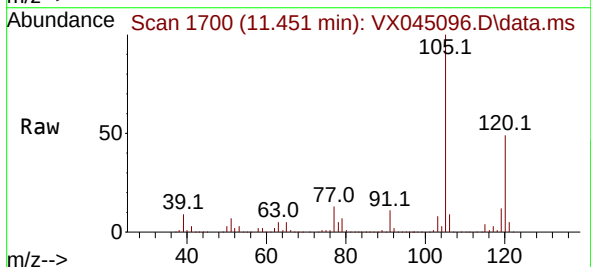
Acq: 28 Feb 2025 18:04

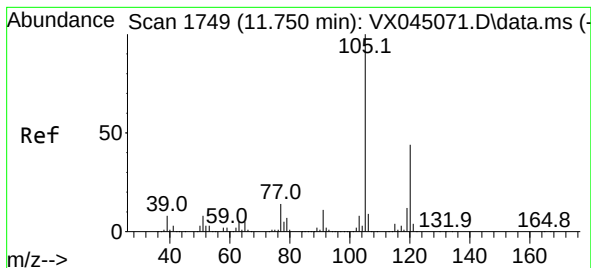
Tgt Ion:105 Resp: 387454

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.2





#84

1,2,4-Trimethylbenzene

Concen: 402.383 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA_X

ClientSampleId :

MW2

Tgt Ion:105 Resp: 1375810

Ion Ratio Lower Upper

105 100

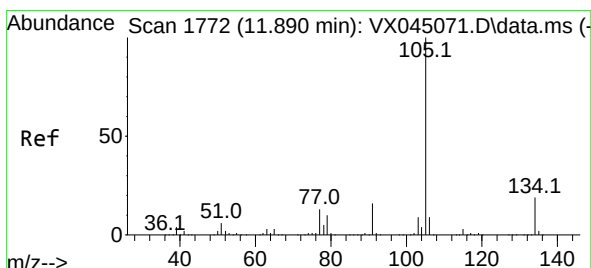
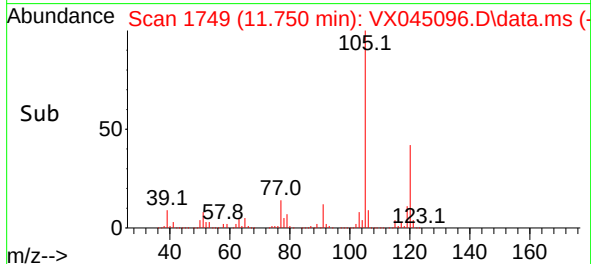
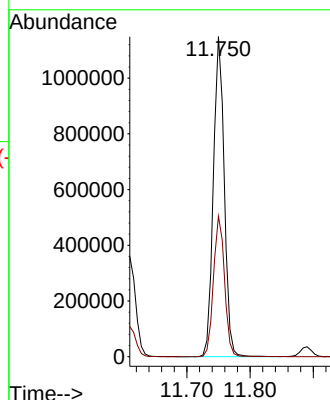
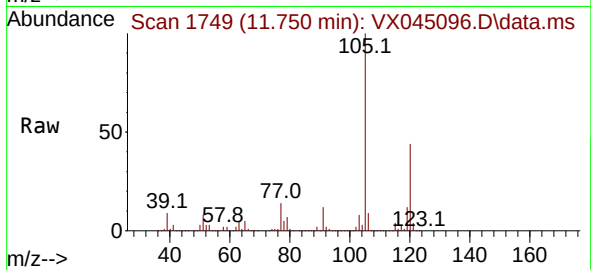
120 44.6 22.1 66.1

Manual Integrations

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Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#85

sec-Butylbenzene

Concen: 10.864 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX045096.D

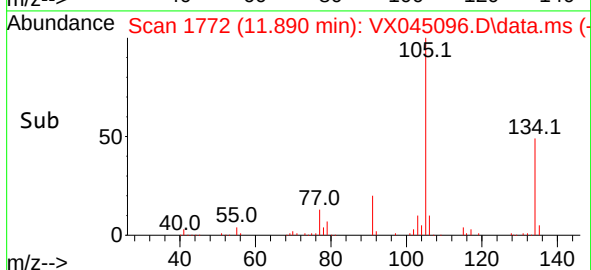
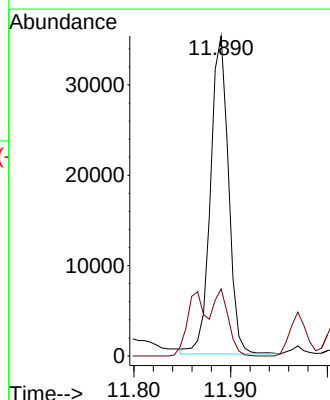
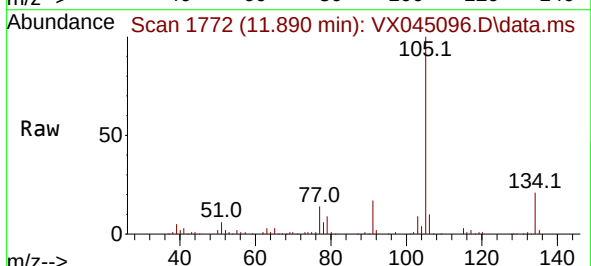
Acq: 28 Feb 2025 18:04

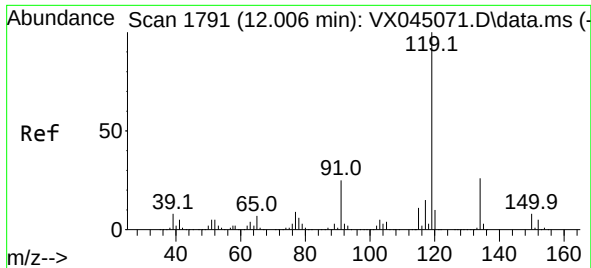
Tgt Ion:105 Resp: 45438

Ion Ratio Lower Upper

105 100

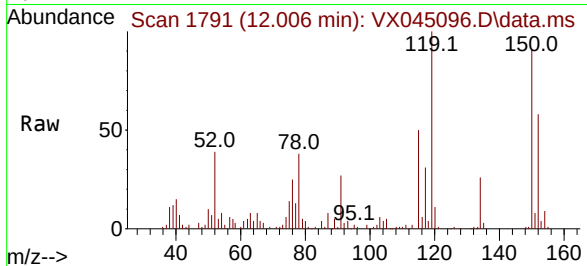
134 17.0 9.8 29.4





#86
p-Isopropyltoluene
Concen: 5.424 ug/l m
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04

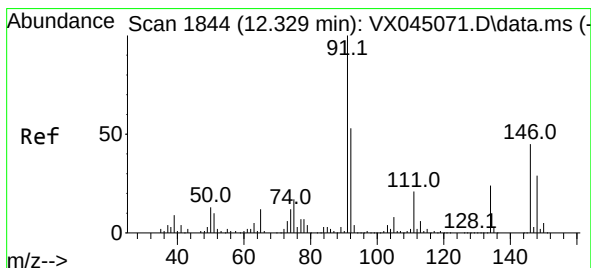
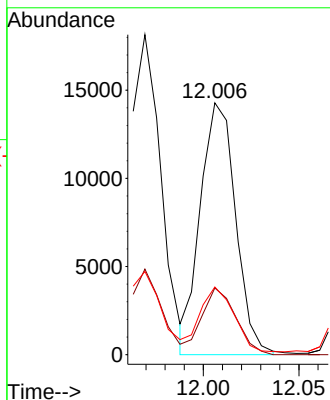
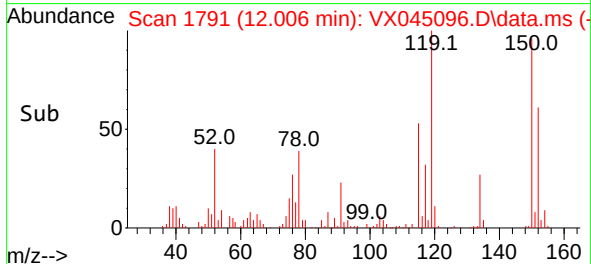
Instrument :
MSVOA_X
ClientSampleId :
MW2



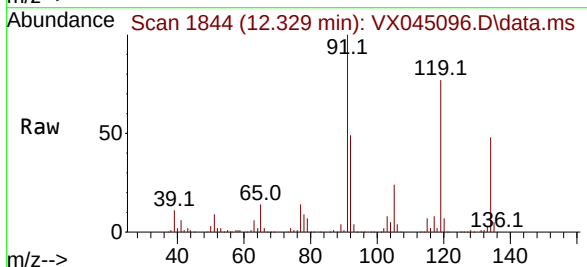
Tgt Ion:119 Resp: 1833
Ion Ratio Lower Upper
119 100
134 31.3 12.9 38.6
91 31.4 12.7 38.0

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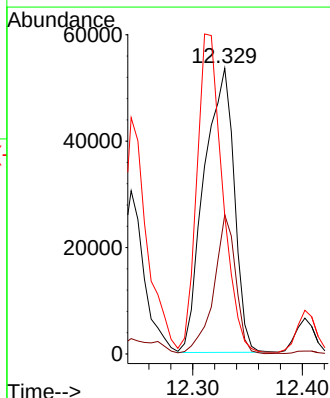
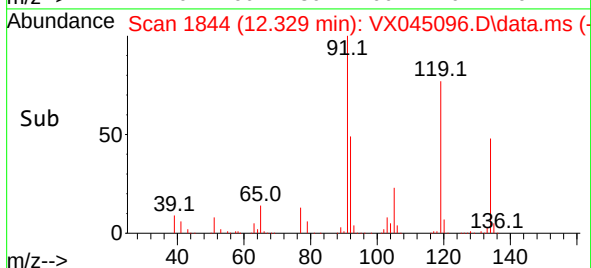
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

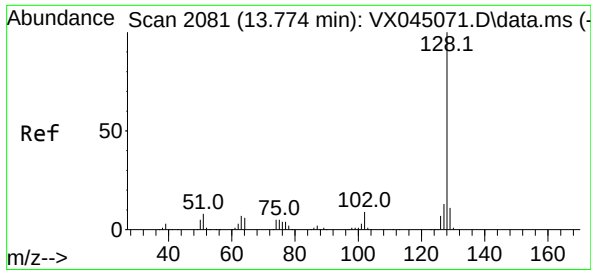


#89
n-Butylbenzene
Concen: 34.989 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX045096.D
Acq: 28 Feb 2025 18:04



Tgt Ion: 91 Resp: 101856
Ion Ratio Lower Upper
91 100
92 35.6 26.7 80.0
134 95.5 12.2 36.6#





#95

Naphthalene

Concen: 3.125 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA_X

ClientSampleId :

MW2

Tgt Ion:128 Resp: 1213

Ion Ratio Lower Upper

128 100

127 19.2 10.3 15.5

129 15.1 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025

