

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039212.D
 Acq On : 14 Dec 2023 16:42
 Operator : JC/MD
 Sample : 05829-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

Quant Time: Dec 15 03:02:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/15/2023
 Supervised By : Mahesh Dadoda 12/15/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	108636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	219732	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93770	47.117	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.240%		
35) Dibromofluoromethane	5.385	113	72980	48.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.160%		
50) Toluene-d8	8.647	98	278087	49.344	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.680%		
62) 4-Bromofluorobenzene	11.079	95	136033	58.502	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.000%		
Target Compounds					Qvalue	
31) Cyclohexane	5.507	56	10640	4.139	ug/l #	52
39) Methylcyclohexane	7.379	83	17372	6.037	ug/l #	85
40) Benzene	6.043	78	3554	0.524	ug/l	98
52) Toluene	8.714	92	1805	0.441	ug/l	79
67) Ethyl Benzene	10.195	91	94484	10.028	ug/l	98
68) m/p-Xylenes	10.305	106	2559	0.758	ug/l	97
69) o-Xylene	10.640	106	9948	3.046	ug/l	86
70) Styrene	10.659	104	4177	0.875	ug/l #	61
73) Isopropylbenzene	10.963	105	542584	57.194	ug/l	100
78) n-propylbenzene	11.305	91	592575	50.697	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	116242	14.383	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	2885174	348.123	ug/l	99
85) sec-Butylbenzene	11.890	105	32907m	3.362	ug/l	
86) p-Isopropyltoluene	12.006	119	94136m	11.461	ug/l	

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

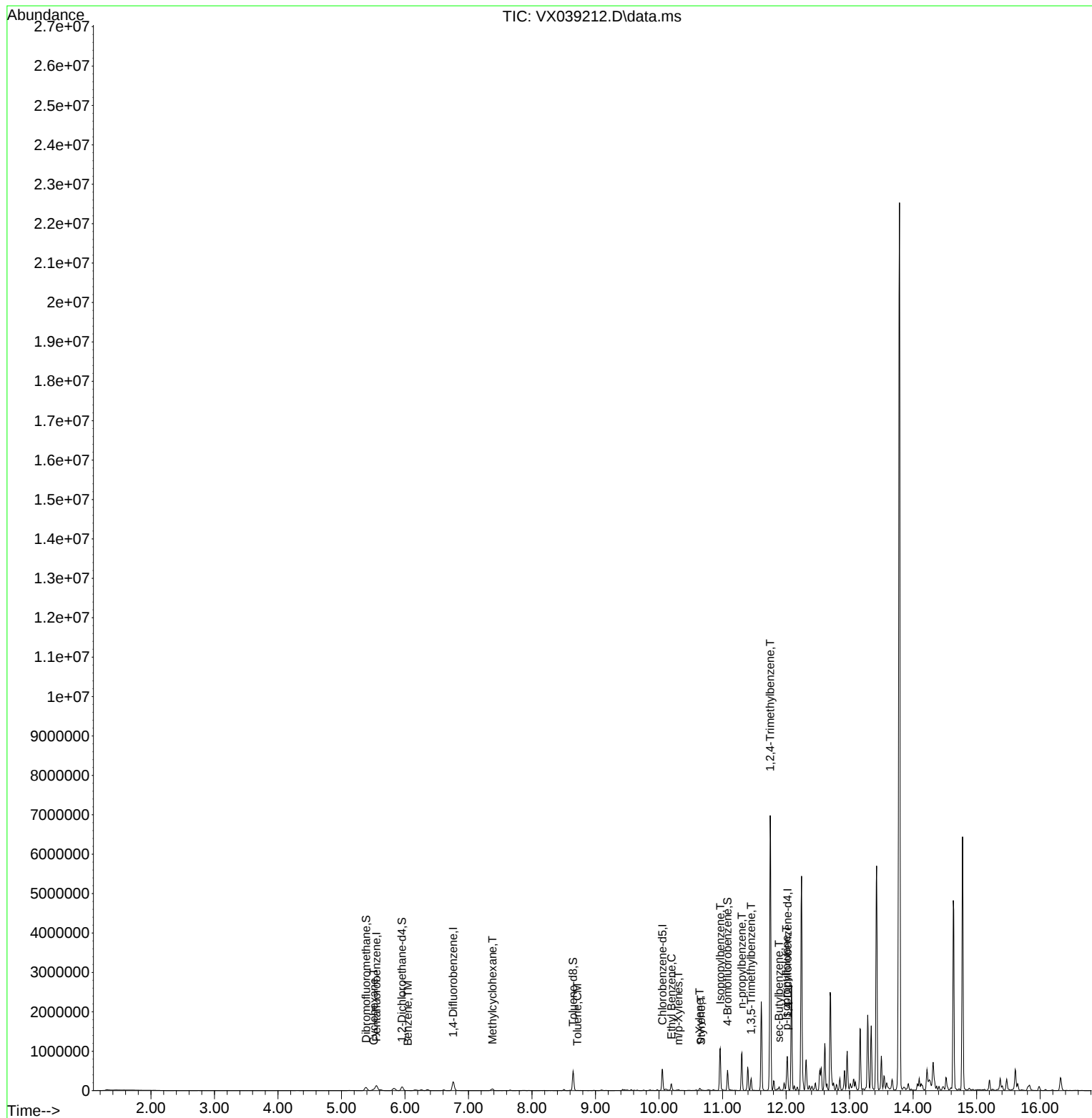
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
Data File : VX039212.D
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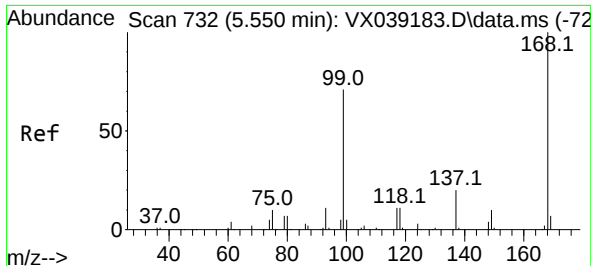
Instrument :
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ClientSampleId :
MW-14

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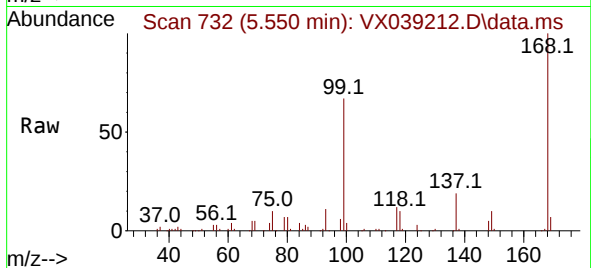
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.000 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

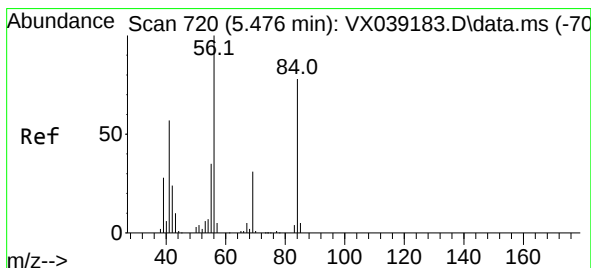
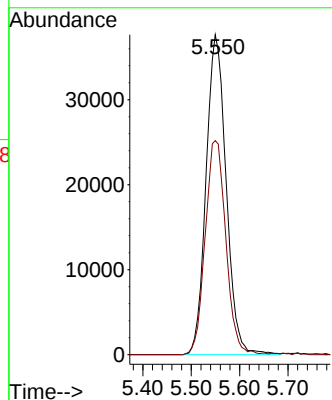
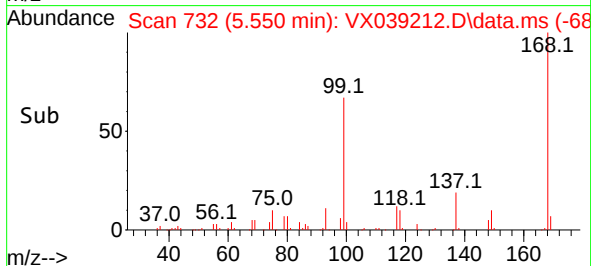
Instrument :
MSVOA_X
ClientSampleId :
MW-14



Tgt Ion:168 Resp: 108630
Ion Ratio Lower Upper
168 100
99 66.9 56.6 85.0

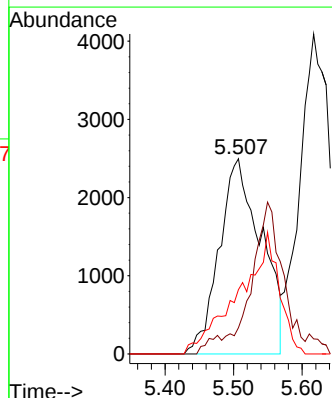
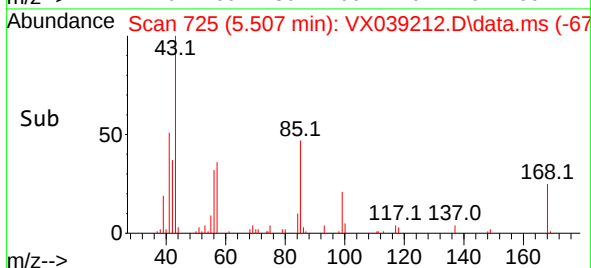
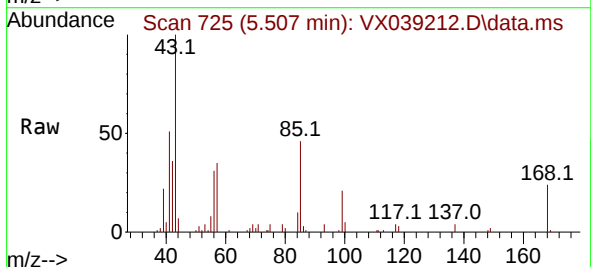
Manual Integrations
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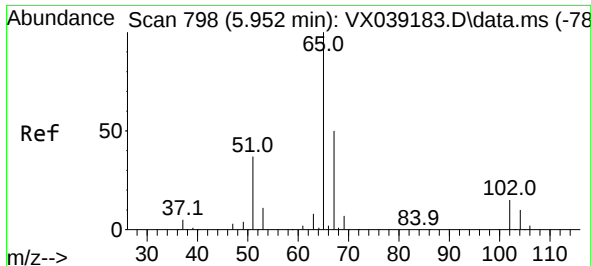
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#31
Cyclohexane
Concen: 4.139 ug/l
RT: 5.507 min Scan# 725
Delta R.T. 0.031 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

Tgt Ion: 56 Resp: 10640
Ion Ratio Lower Upper
56 100
69 13.4 23.4 35.2#
84 32.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.117 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX039212.D

Acq: 14 Dec 2023 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW-14

Tgt Ion: 65 Resp: 93770

Ion Ratio Lower Upper

65 100

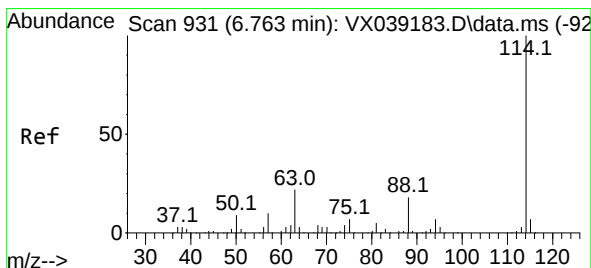
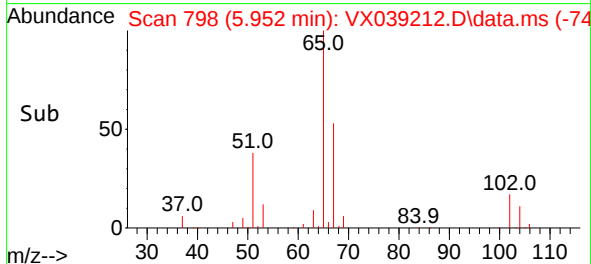
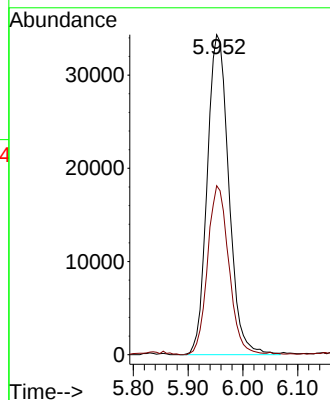
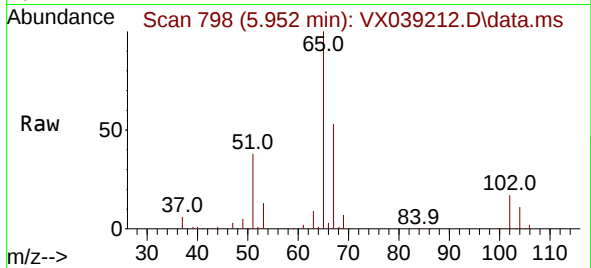
67 52.0 0.0 100.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039212.D

Acq: 14 Dec 2023 16:42

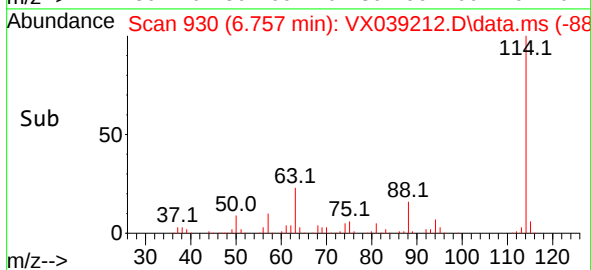
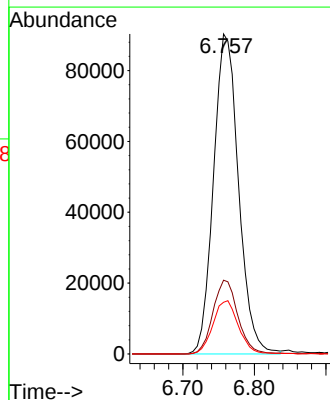
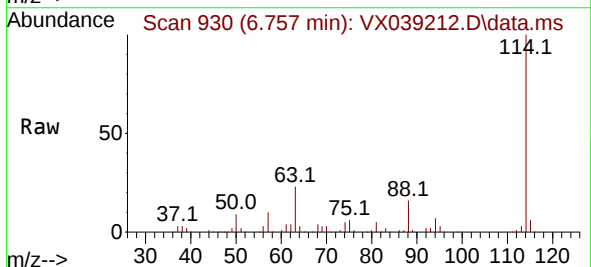
Tgt Ion:114 Resp: 219732

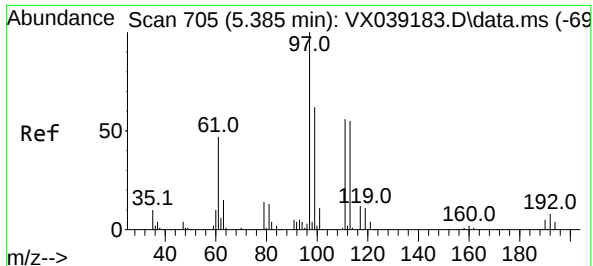
Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

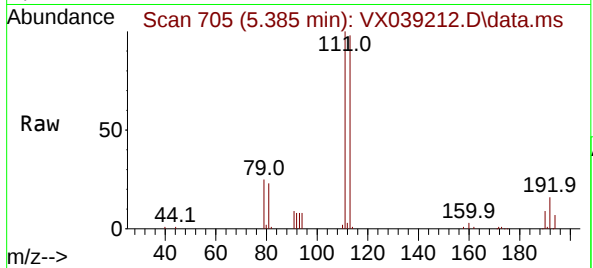
88 16.1 0.0 36.6





#35
Dibromofluoromethane
Concen: 48.076 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

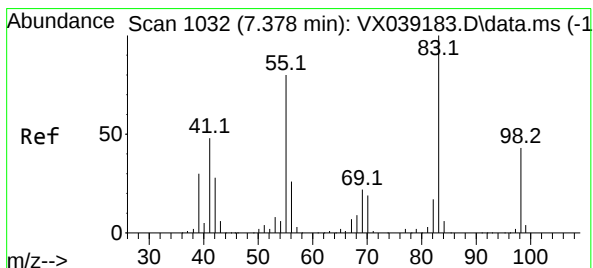
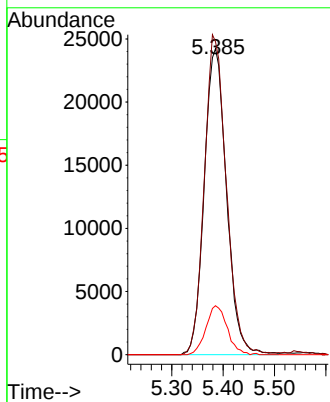
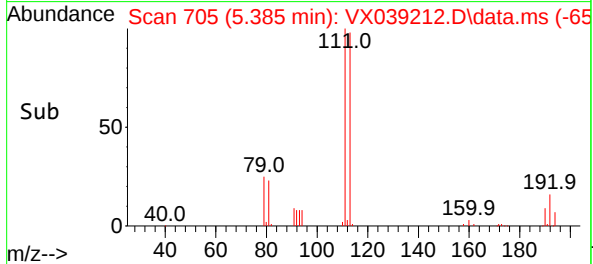
Instrument :
MSVOA_X
ClientSampleId :
MW-14



Tgt Ion: 113 Resp: 72980
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 15.3 13.3 19.9

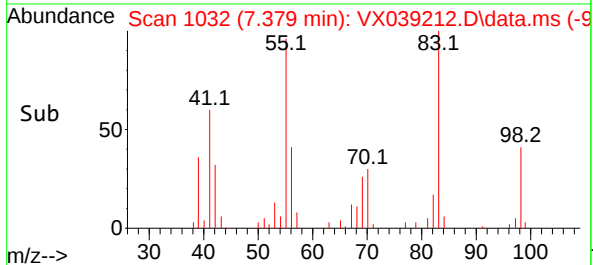
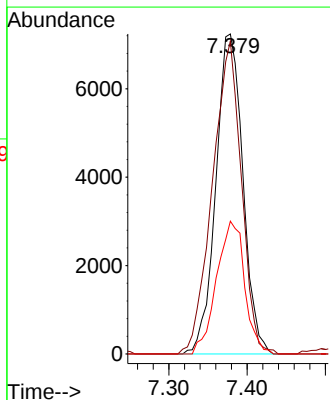
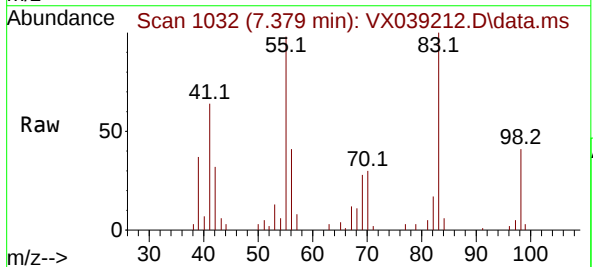
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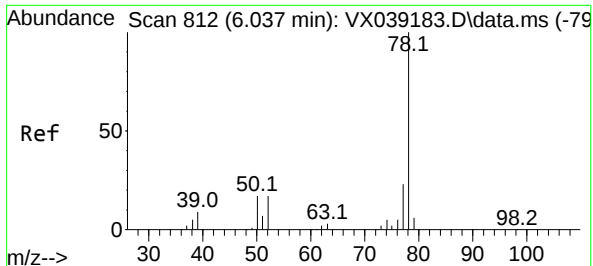
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#39
Methylcyclohexane
Concen: 6.037 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

Tgt Ion: 83 Resp: 17372
Ion Ratio Lower Upper
83 100
55 97.7 64.6 97.0#
98 41.5 36.7 55.1





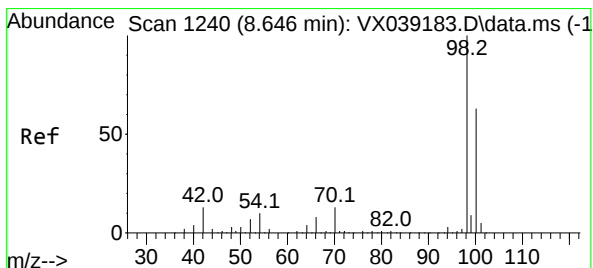
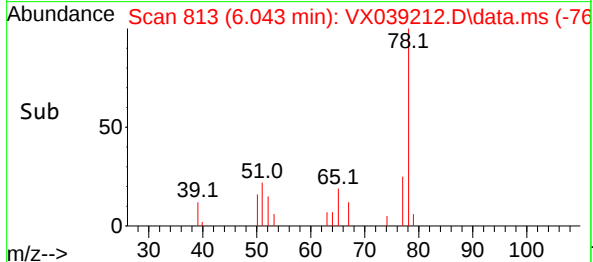
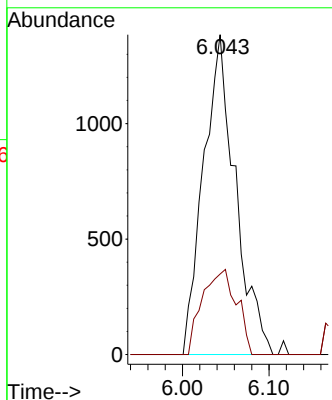
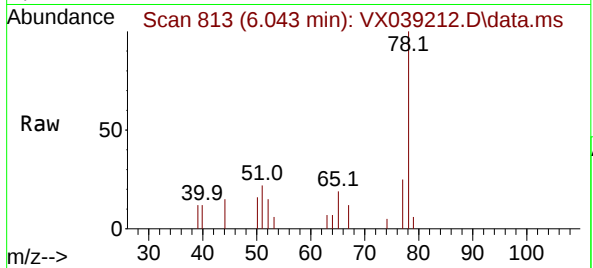
#40
Benzene
Concen: 0.524 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion: 78 Resp: 3554
Ion Ratio Lower Upper
78 100
77 25.2 19.3 28.9

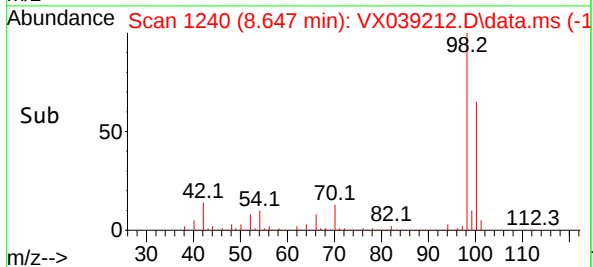
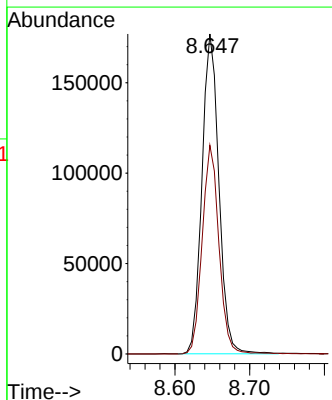
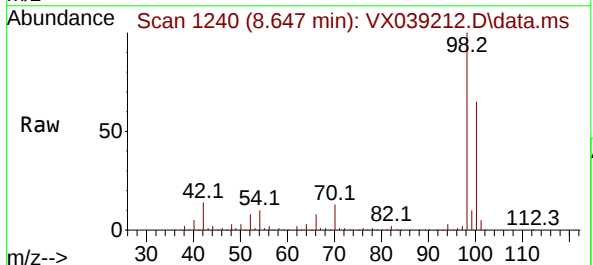
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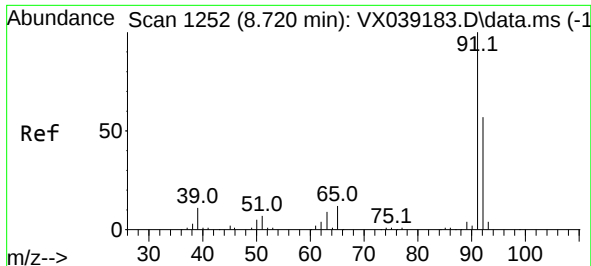
Reviewed By :John Carlone 12/15/2023
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#50
Toluene-d8
Concen: 49.344 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

Tgt Ion: 98 Resp: 278087
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7





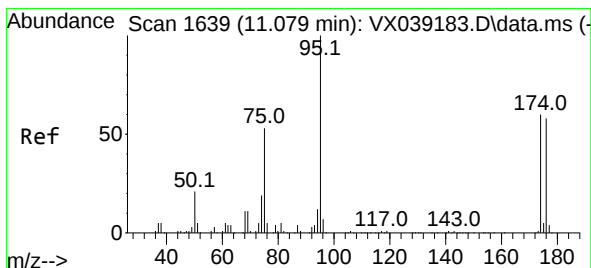
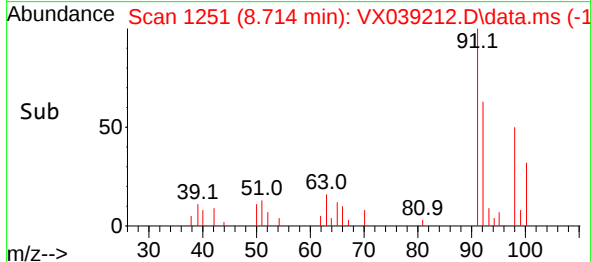
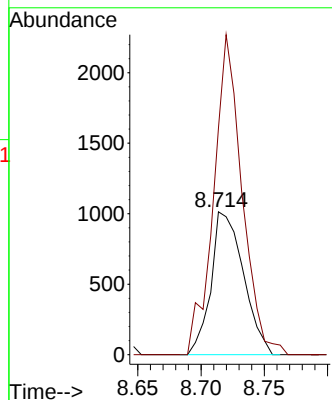
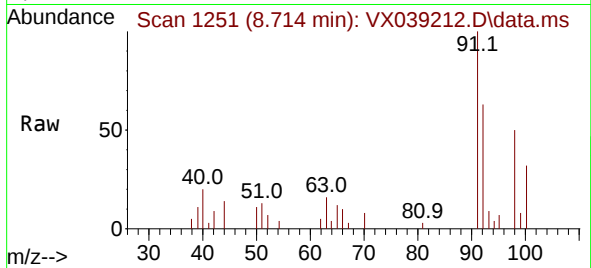
#52
Toluene
Concen: 0.441 ug/l
RT: 8.714 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion: 92 Resp: 180
Ion Ratio Lower Upper
92 100
91 196.4 134.2 201.2

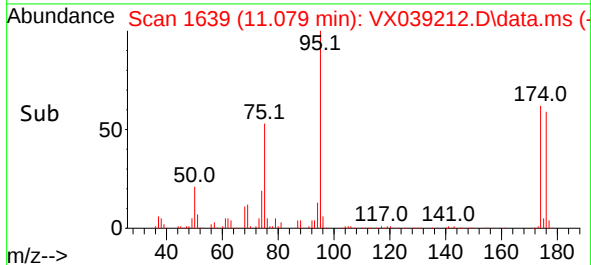
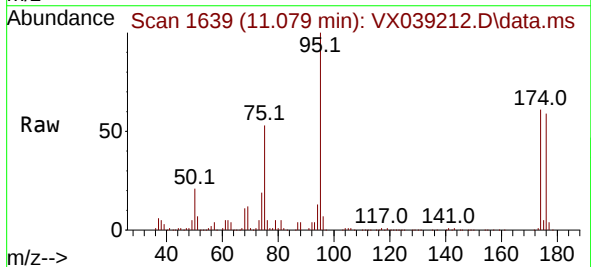
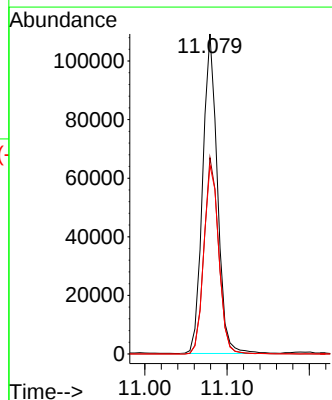
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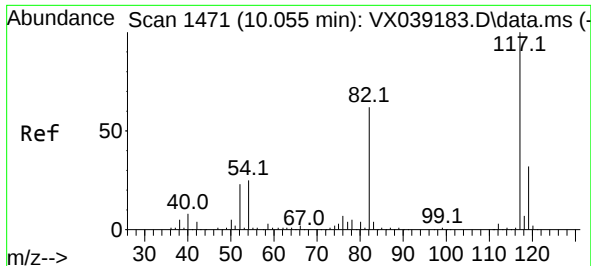
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#62
4-Bromofluorobenzene
Concen: 58.502 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

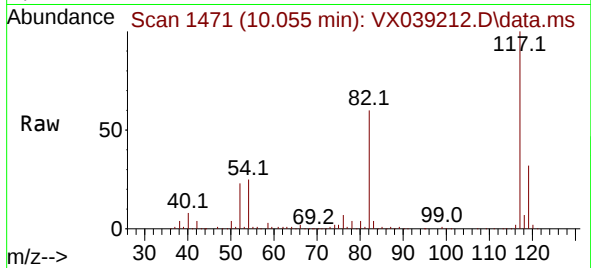
Tgt Ion: 95 Resp: 136033
Ion Ratio Lower Upper
95 100
174 60.9 0.0 135.6
176 60.0 0.0 131.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

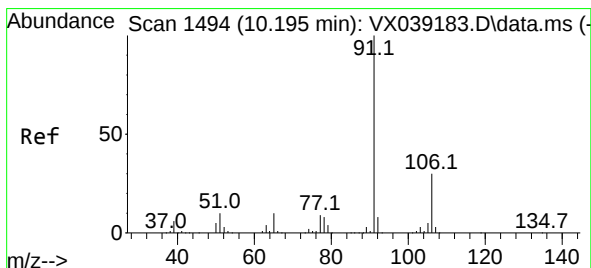
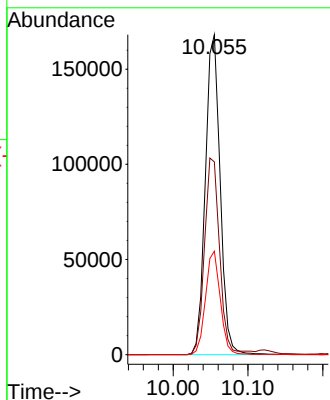
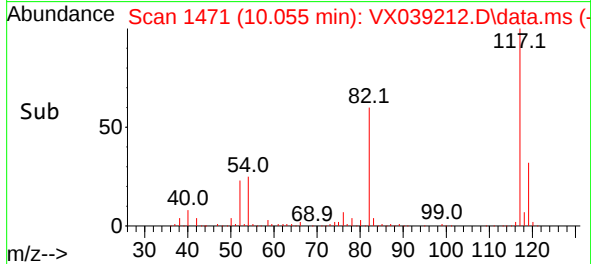
Instrument :
MSVOA_X
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MW-14



Tgt Ion:117 Resp: 23189
Ion Ratio Lower Upper
117 100
82 60.2 46.2 69.4
119 32.3 25.5 38.3

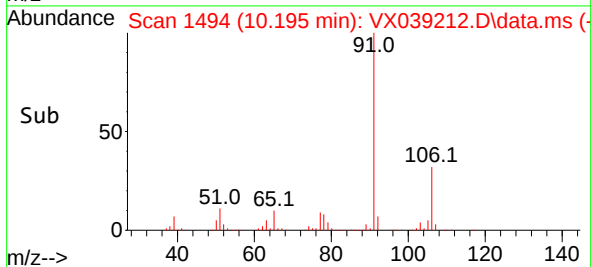
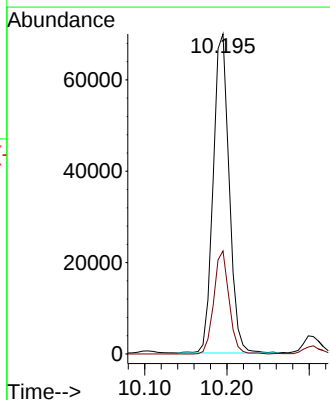
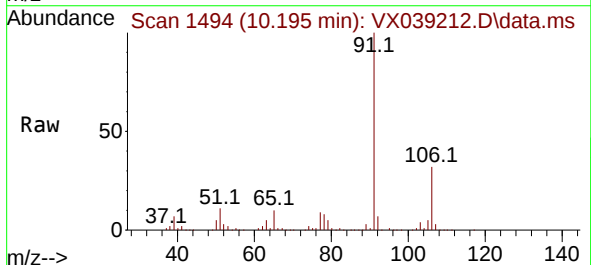
Manual Integrations
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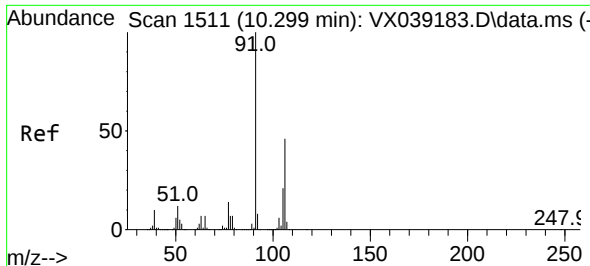
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#67
Ethyl Benzene
Concen: 10.028 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

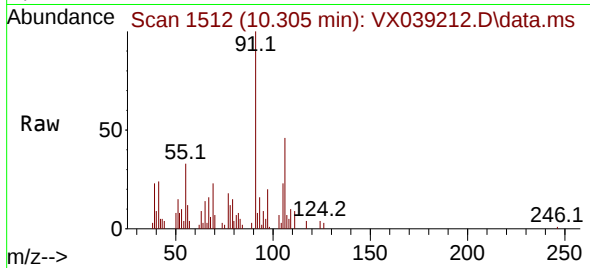
Tgt Ion: 91 Resp: 94484
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3





#68
m/p-Xylenes
Concen: 0.758 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

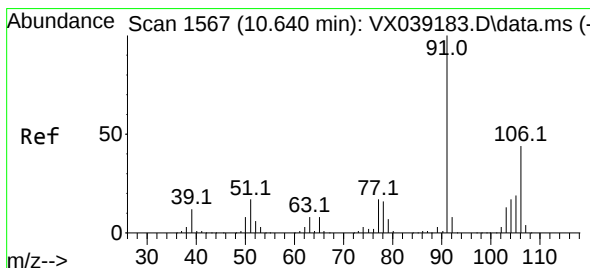
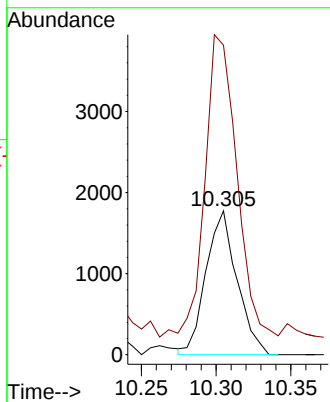
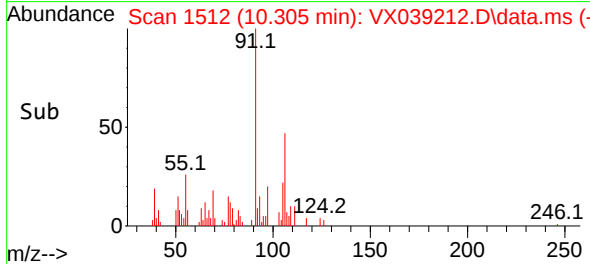
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MW-14



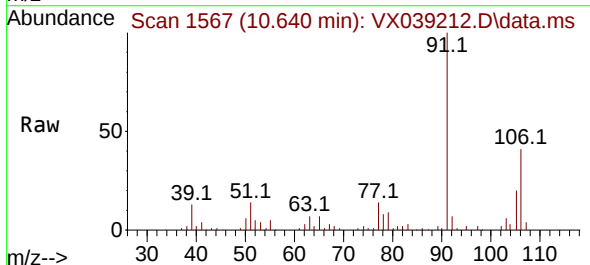
Tgt Ion:106 Resp: 2559
Ion Ratio Lower Upper
106 100
91 211.1 165.5 248.3

Manual Integrations
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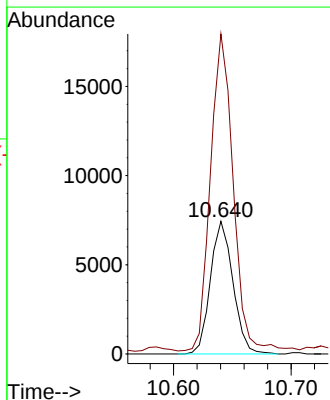
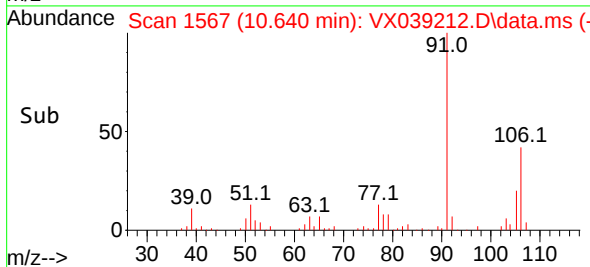
Reviewed By :John Carlone 12/15/2023
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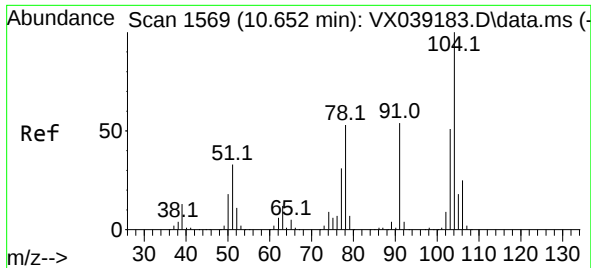


#69
o-Xylene
Concen: 3.046 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42



Tgt Ion:106 Resp: 9948
Ion Ratio Lower Upper
106 100
91 239.5 108.9 326.8





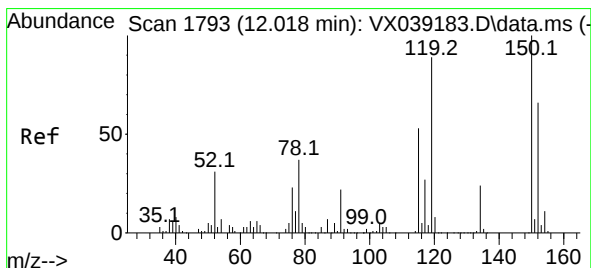
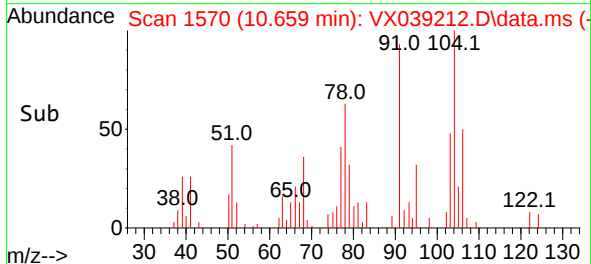
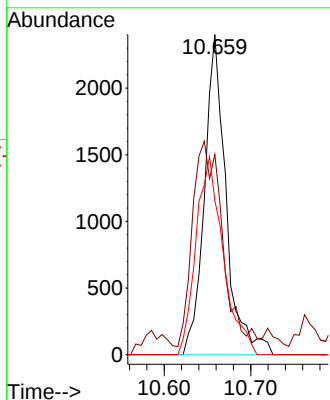
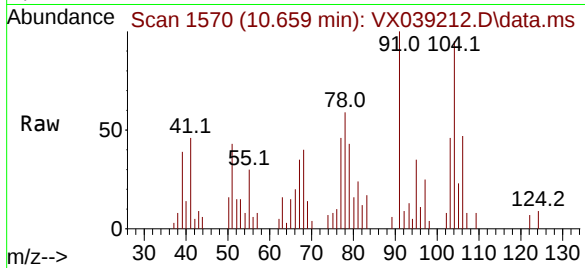
#70
Styrene
Concen: 0.875 ug/l
RT: 10.659 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion:104 Resp: 417
Ion Ratio Lower Upper
104 100
78 88.3 43.6 65.4
103 77.5 43.6 65.4

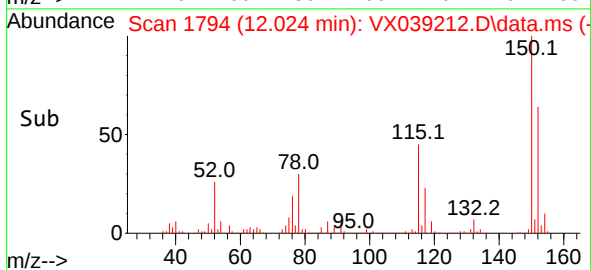
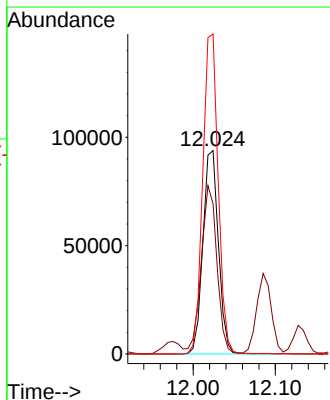
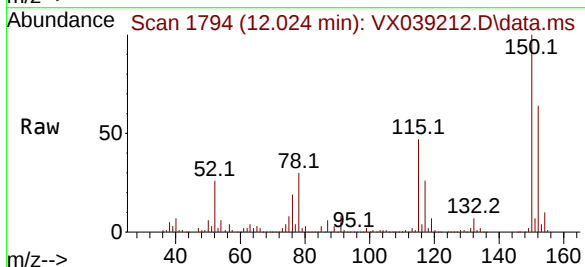
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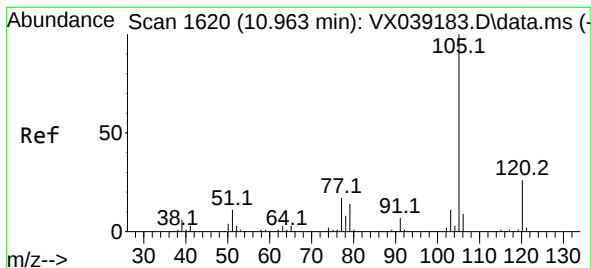
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039212.D
Acq: 14 Dec 2023 16:42

Tgt Ion:152 Resp: 122959
Ion Ratio Lower Upper
152 100
115 82.4 43.3 129.9
150 157.0 0.0 345.0





#73

Isopropylbenzene

Concen: 57.194 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039212.D

Acq: 14 Dec 2023 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW-14

Tgt Ion:105 Resp: 542584

Ion Ratio Lower Upper

105 100

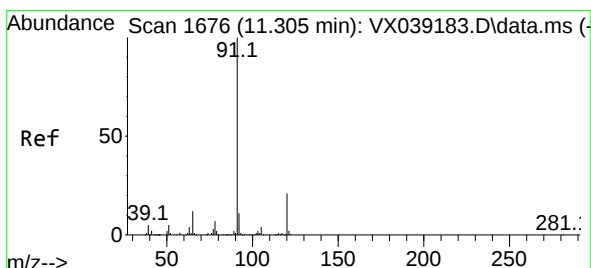
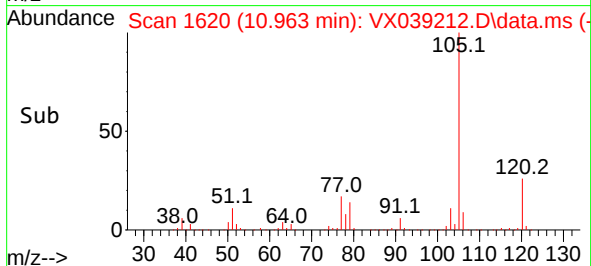
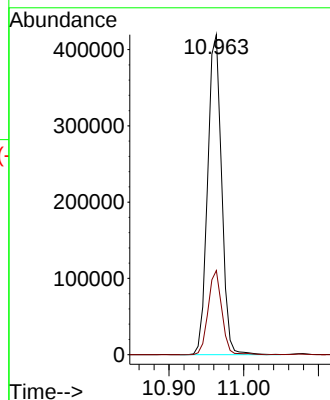
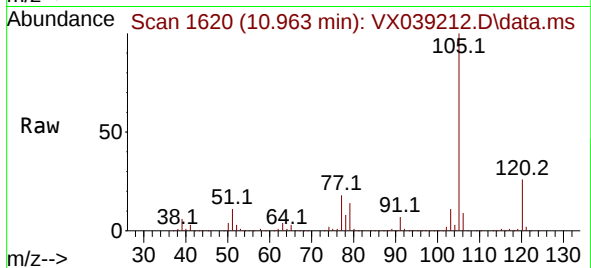
120 25.8 12.9 38.6

Manual Integrations

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Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#78

n-propylbenzene

Concen: 50.697 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039212.D

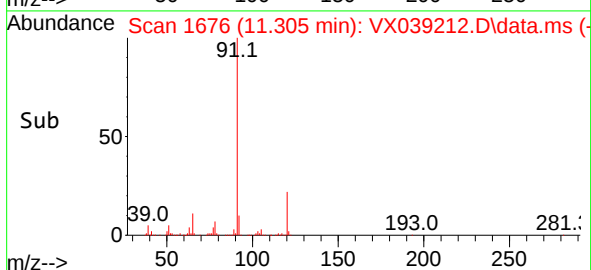
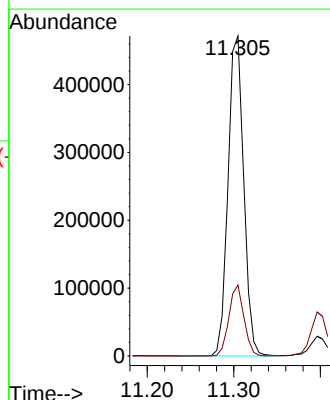
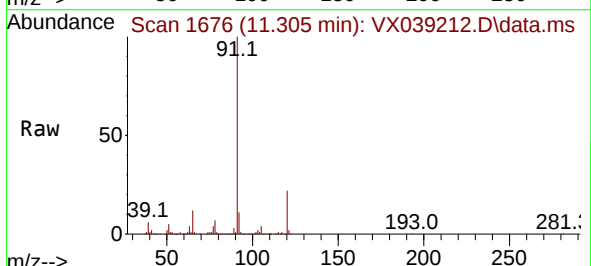
Acq: 14 Dec 2023 16:42

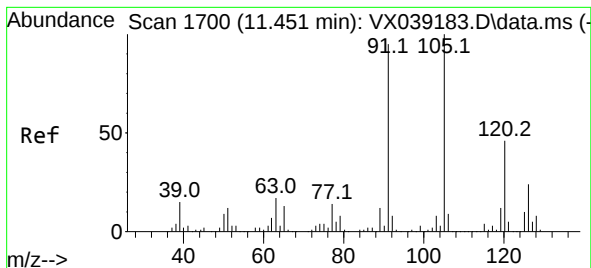
Tgt Ion: 91 Resp: 592575

Ion Ratio Lower Upper

91 100

120 21.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 14.383 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039212.D

Acq: 14 Dec 2023 16:42

Instrument :

MSVOA_X

ClientSampleId :

MW-14

Tgt Ion:105 Resp: 11624

Ion Ratio Lower Upper

105 100

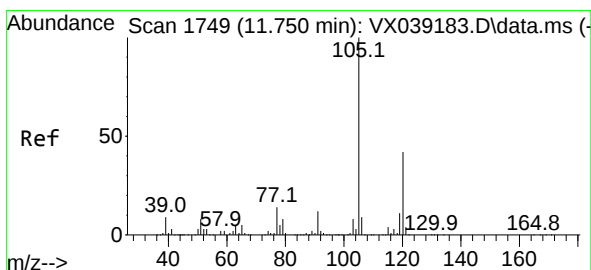
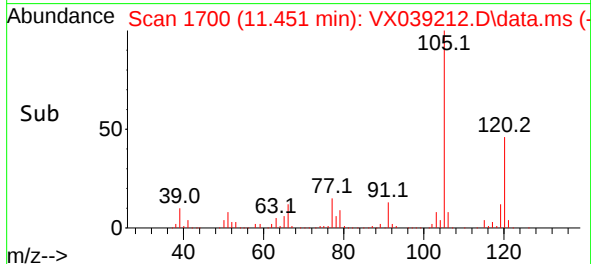
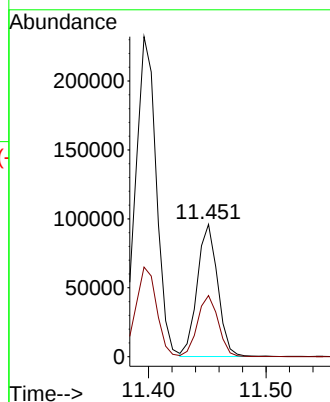
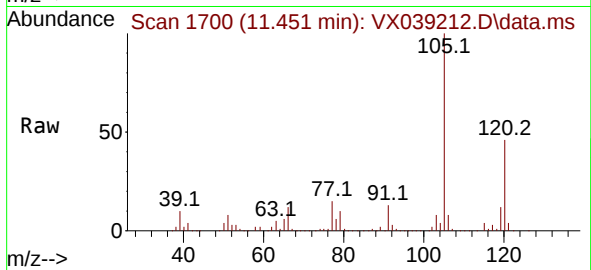
120 47.2 24.1 72.3

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Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#84

1,2,4-Trimethylbenzene

Concen: 348.123 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039212.D

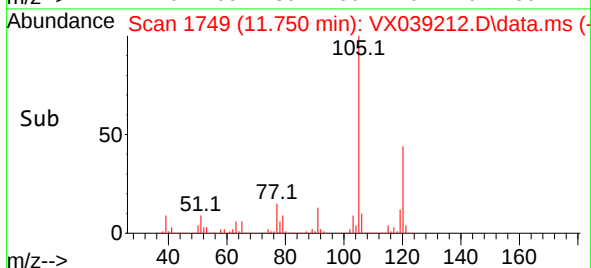
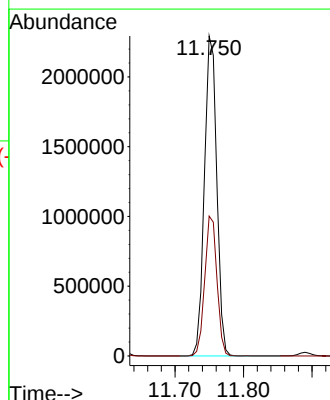
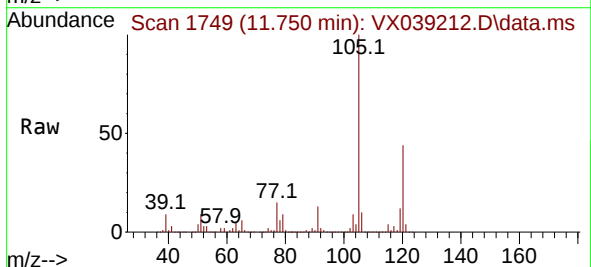
Acq: 14 Dec 2023 16:42

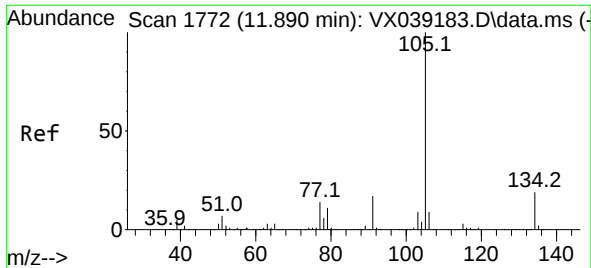
Tgt Ion:105 Resp: 2885174

Ion Ratio Lower Upper

105 100

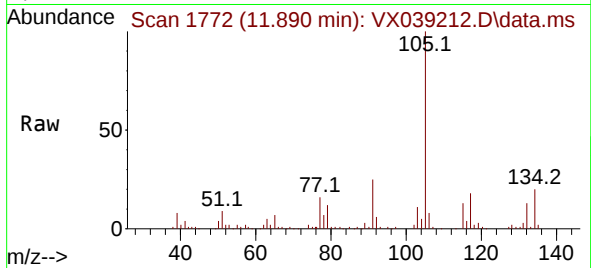
120 43.3 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 3.362 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX039212.D
 Acq: 14 Dec 2023 16:42

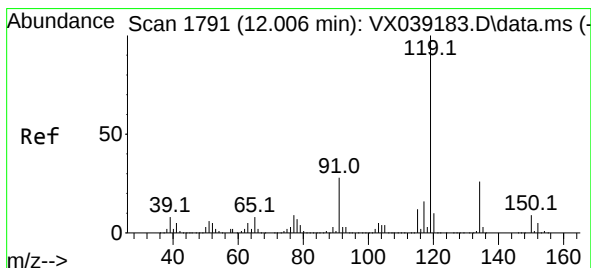
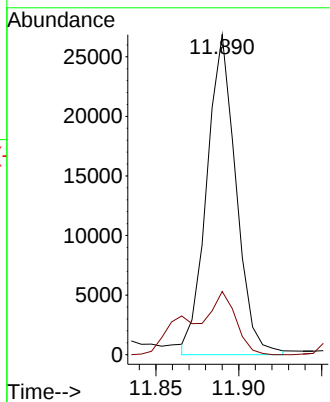
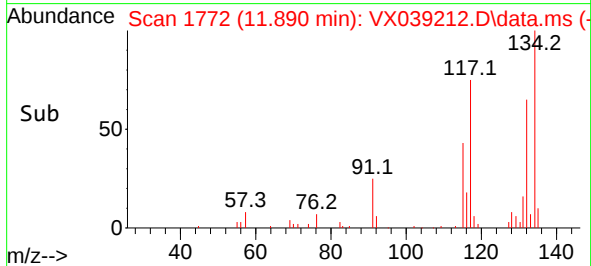
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14



Tgt Ion:105 Resp: 3290
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4

Manual Integrations
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Reviewed By :John Carlone 12/15/2023
 Supervised By :Mahesh Dadoda 12/15/2023



#86
 p-Isopropyltoluene
 Concen: 11.461 ug/l m
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX039212.D
 Acq: 14 Dec 2023 16:42

Tgt Ion:119 Resp: 94136
 Ion Ratio Lower Upper
 119 100
 134 21.9 12.8 38.3
 91 23.4 13.1 39.3

