

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039213.D
 Acq On : 14 Dec 2023 17:05
 Operator : JC/MD
 Sample : 05829-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 03:03:27 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

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	104449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213789	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94200	49.231	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.460%		
35) Dibromofluoromethane	5.385	113	72228	48.903	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.800%		
50) Toluene-d8	8.647	98	275420	50.229	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.460%		
62) 4-Bromofluorobenzene	11.079	95	132486	58.561	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.120%		
Target Compounds					Qvalue	
19) Methyl tert-butyl Ether	3.111	73	139505	28.718	ug/l	95
21) trans-1,2-Dichloroethene	3.099	96	680	0.465	ug/l #	76
27) cis-1,2-Dichloroethene	4.501	96	1141	0.707	ug/l	81
31) Cyclohexane	5.464	56	2516	1.018	ug/l	93
39) Methylcyclohexane	7.379	83	6263	2.237	ug/l	96
40) Benzene	6.038	78	545488	82.738	ug/l	99
44) Trichloroethene	7.123	130	11607	6.977	ug/l	96
52) Toluene	8.726	92	5548	1.394	ug/l	98
64) Tetrachloroethene	9.275	164	388	0.264	ug/l #	69
67) Ethyl Benzene	10.189	91	672791	73.753	ug/l	96
68) m/p-Xylenes	10.305	106	27776	8.492	ug/l	89
69) o-Xylene	10.640	106	49555	15.670	ug/l	89
73) Isopropylbenzene	10.963	105	116806	12.969	ug/l	100
78) n-propylbenzene	11.305	91	85871	7.738	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	39182	5.107	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	344039	43.726	ug/l	100
85) sec-Butylbenzene	11.890	105	18436	1.984	ug/l	95
86) p-Isopropyltoluene	12.006	119	6369m	0.817	ug/l	

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

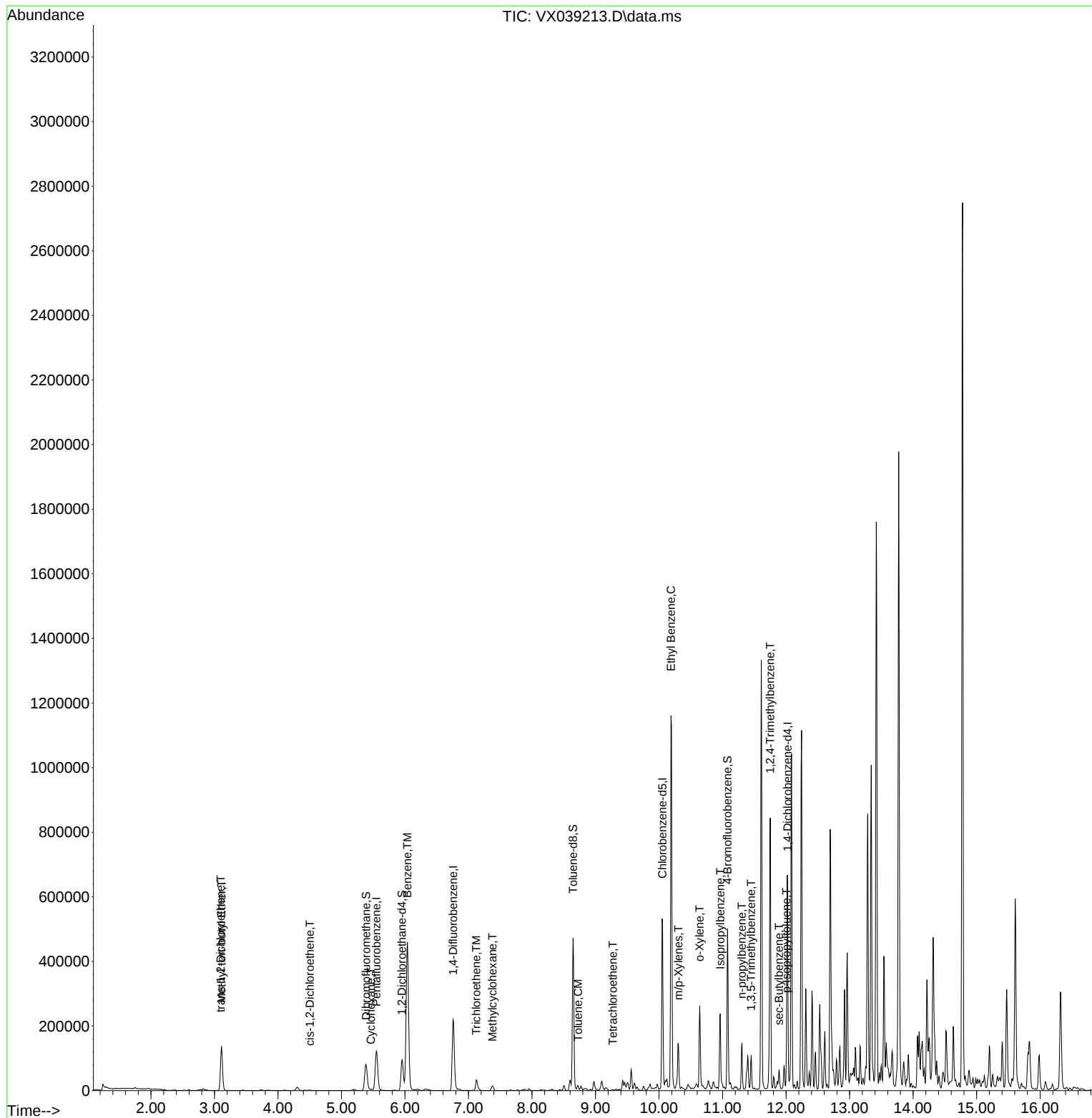
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
Data File : VX039213.D
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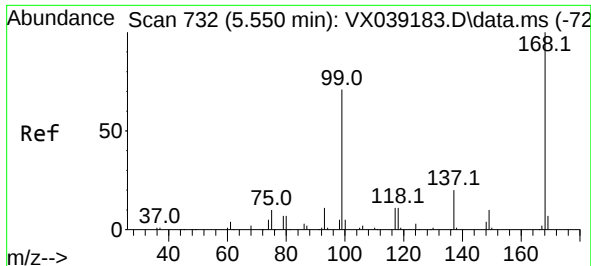
Instrument :
MSVOA_X
ClientSampleId :
MW-12

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Supervised By : Mahesh Dadoda 12/15/2023

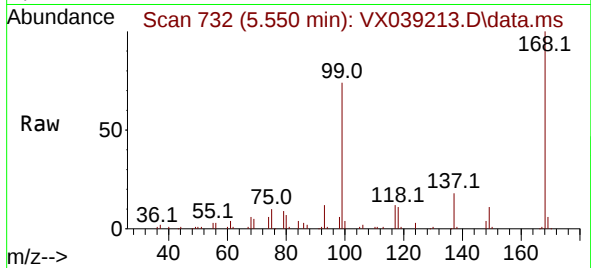
Quant Time: Dec 15 03:03:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

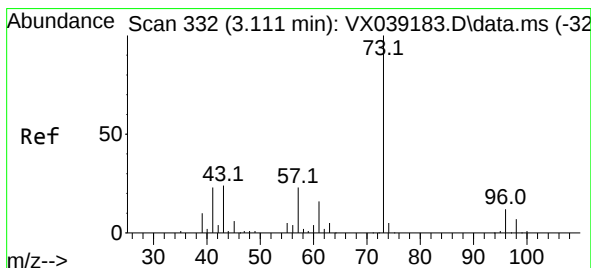
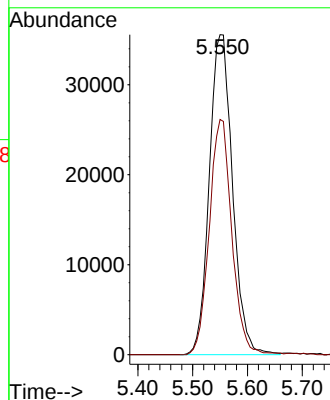
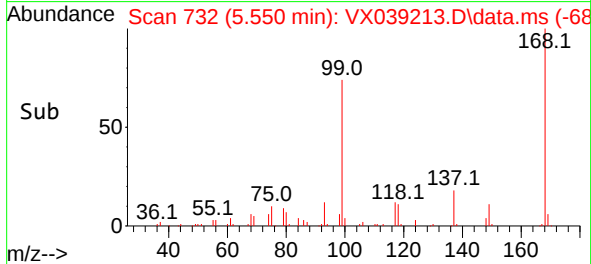
Instrument :
MSVOA_X
ClientSampleId :
MW-12



Tgt Ion:168 Resp: 104449
Ion Ratio Lower Upper
168 100
99 73.5 56.6 85.0

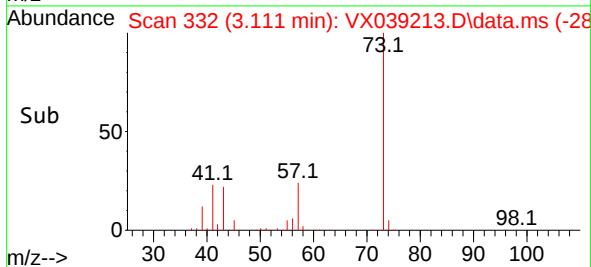
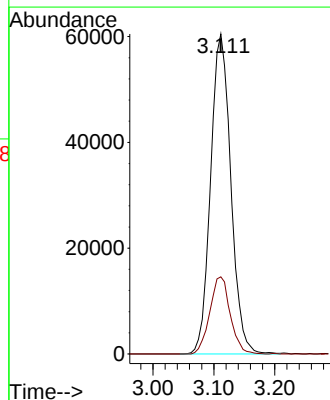
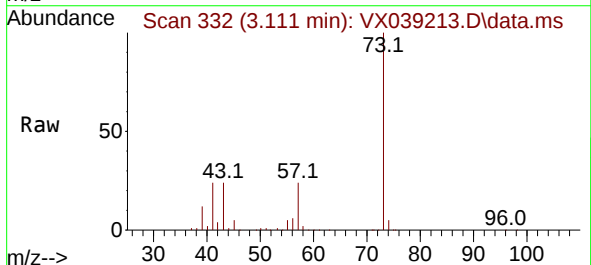
Manual Integrations
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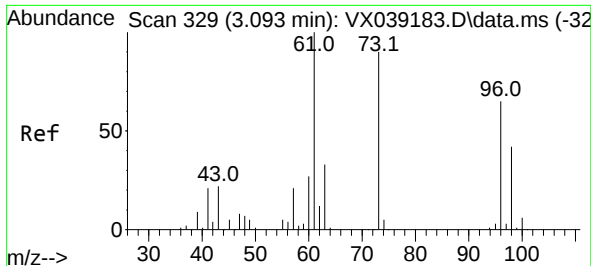
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#19
Methyl tert-butyl Ether
Concen: 28.718 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

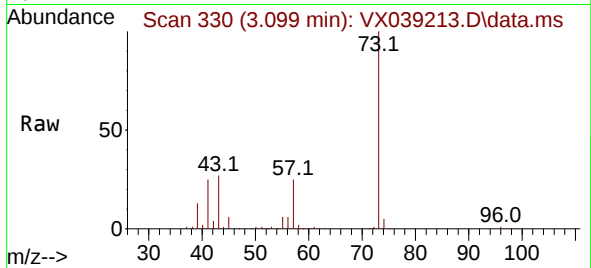
Tgt Ion: 73 Resp: 139505
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9





#21
trans-1,2-Dichloroethene
Concen: 0.465 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

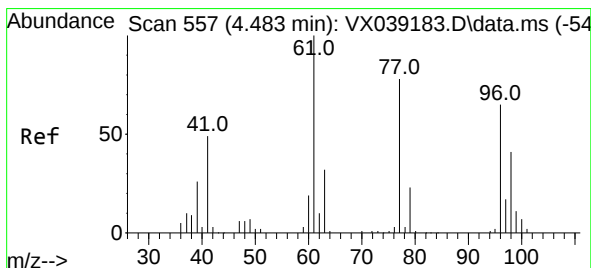
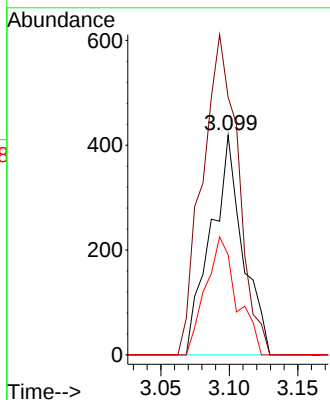
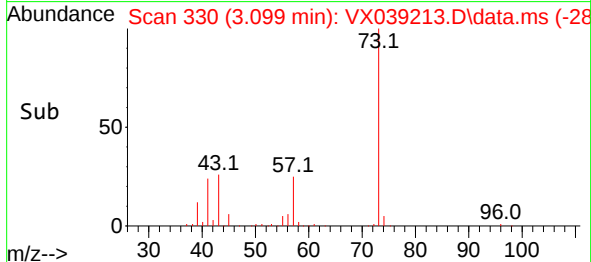
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ClientSampleId :
MW-12



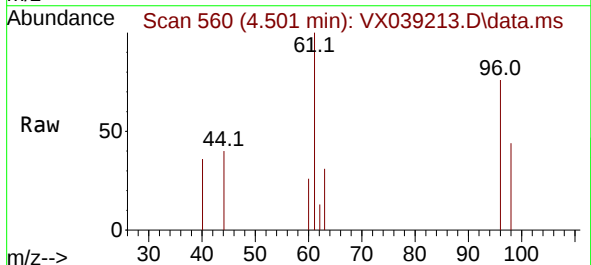
Tgt Ion: 96 Resp: 680
Ion Ratio Lower Upper
96 100
61 117.4 119.2 178.8
98 45.6 48.7 73.1

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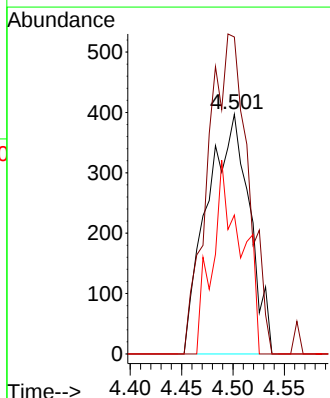
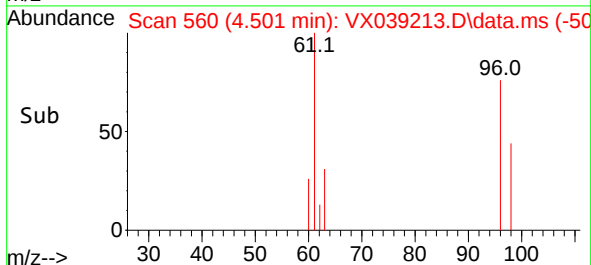
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

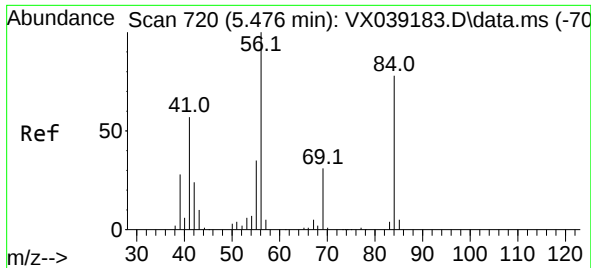


#27
cis-1,2-Dichloroethene
Concen: 0.707 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.019 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05



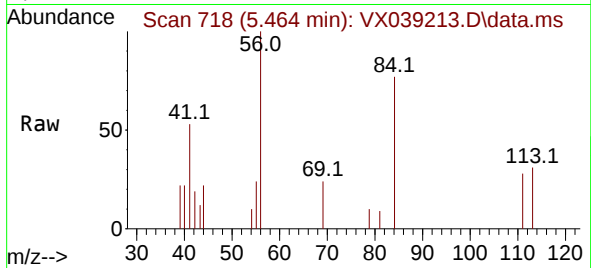
Tgt Ion: 96 Resp: 1141
Ion Ratio Lower Upper
96 100
61 126.6 0.0 312.2
98 55.5 0.0 129.0





#31
Cyclohexane
Concen: 1.018 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.012 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

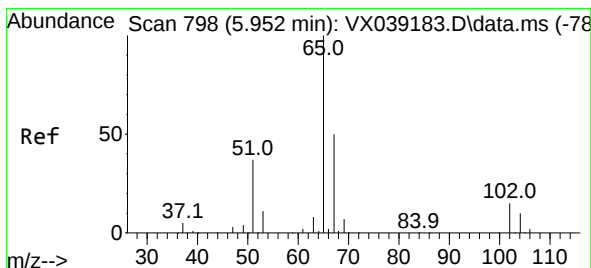
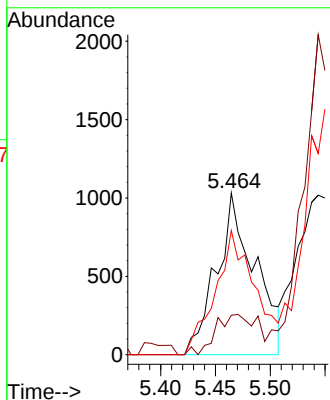
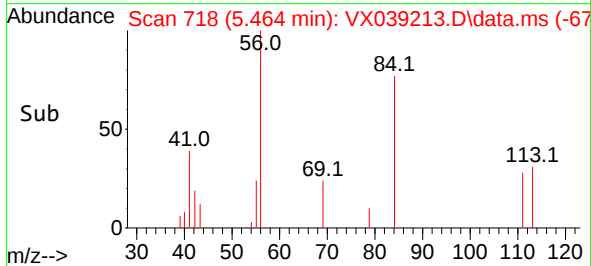
Instrument :
MSVOA_X
ClientSampleId :
MW-12



Tgt Ion: 56 Resp: 2510
Ion Ratio Lower Upper
56 100
69 24.3 23.4 35.2
84 76.6 65.9 98.9

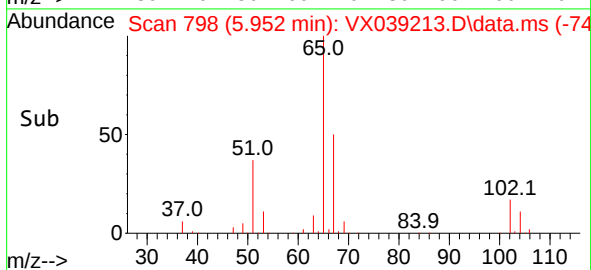
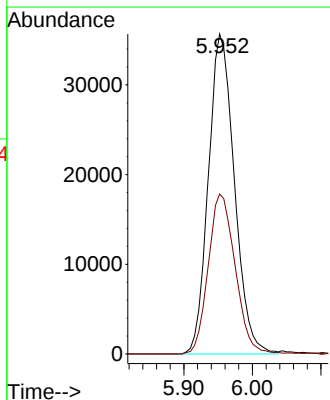
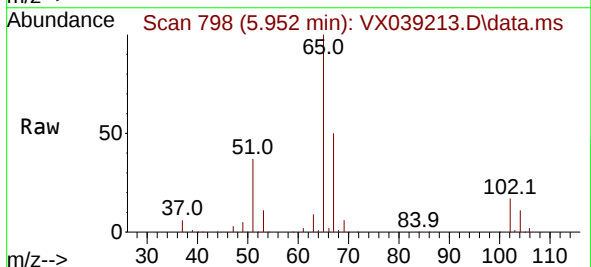
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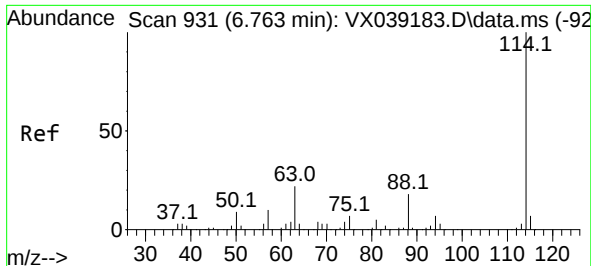
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#33
1,2-Dichloroethane-d4
Concen: 49.231 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

Tgt Ion: 65 Resp: 94200
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX039213.D

Acq: 14 Dec 2023 17:05

Instrument :

MSVOA_X

ClientSampleId :

MW-12

Tgt Ion:114 Resp: 213789

Ion Ratio Lower Upper

114 100

63 24.0 0.0 45.0

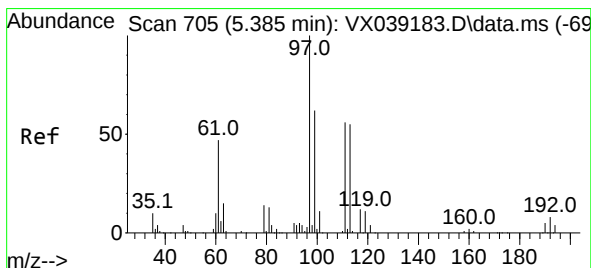
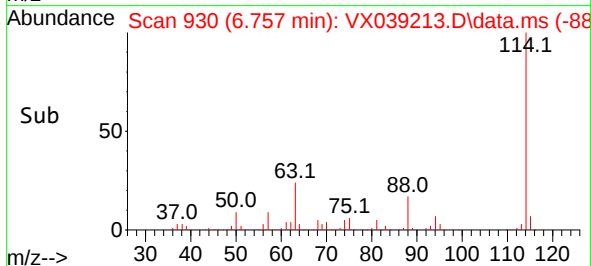
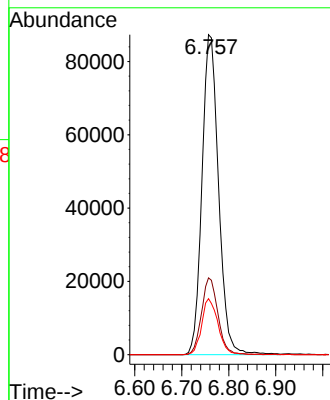
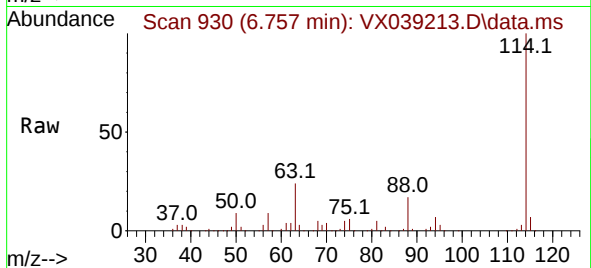
88 17.5 0.0 36.6

Manual Integrations

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Supervised By :Mahesh Dadoda 12/15/2023



#35

Dibromofluoromethane

Concen: 48.903 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX039213.D

Acq: 14 Dec 2023 17:05

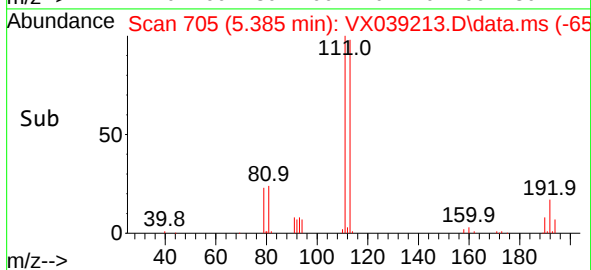
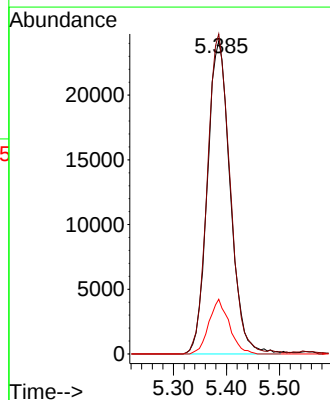
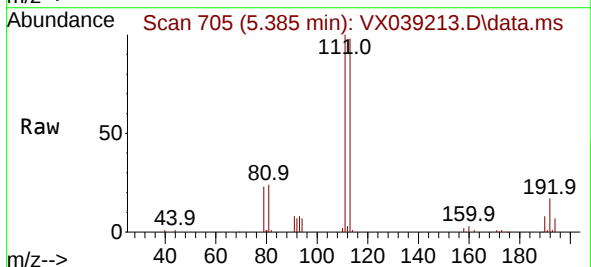
Tgt Ion:113 Resp: 72228

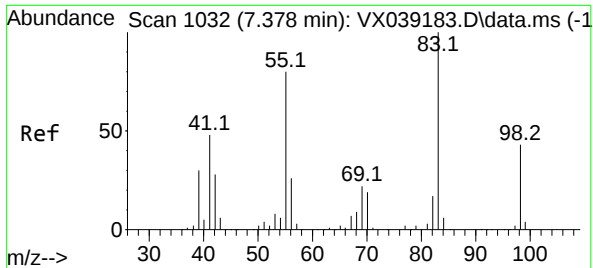
Ion Ratio Lower Upper

113 100

111 101.1 82.9 124.3

192 15.7 13.3 19.9





#39

Methylcyclohexane

Concen: 2.237 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX039213.D

Acq: 14 Dec 2023 17:05

Instrument :

MSVOA_X

ClientSampleId :

MW-12

Tgt Ion: 83 Resp: 626

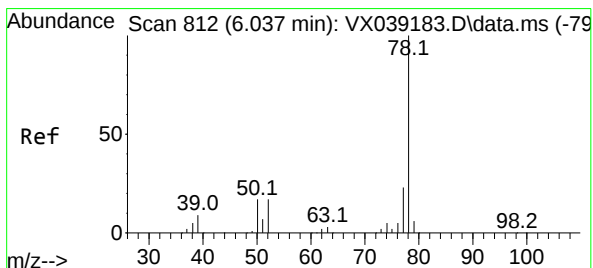
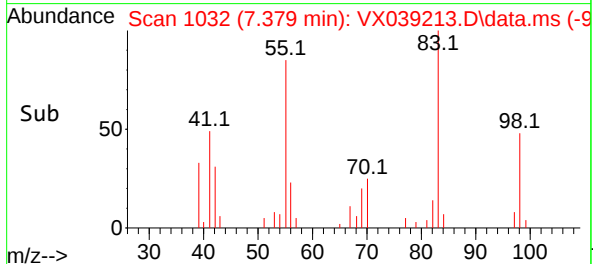
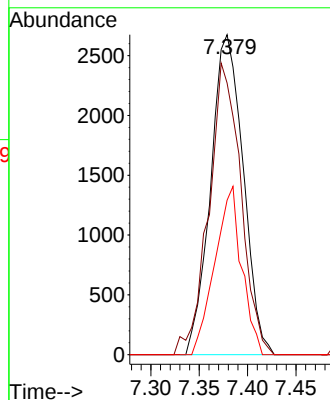
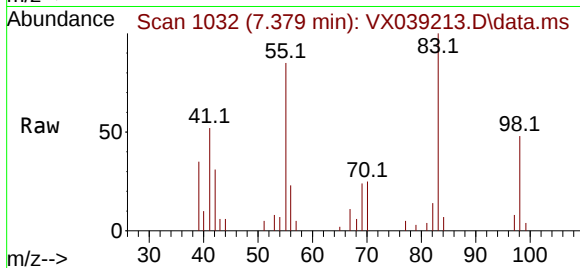
Ion	Ratio	Lower	Upper
83	100		
55	84.9	64.6	97.0
98	48.3	36.7	55.1

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Supervised By :Mahesh Dadoda 12/15/2023



#40

Benzene

Concen: 82.738 ug/l

RT: 6.038 min Scan# 812

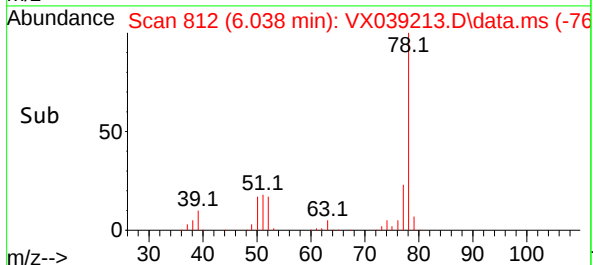
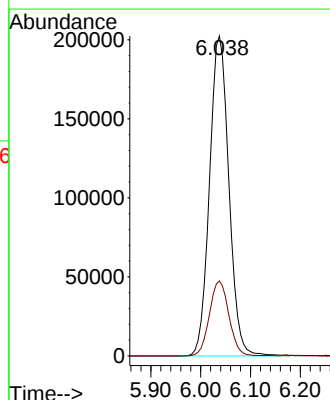
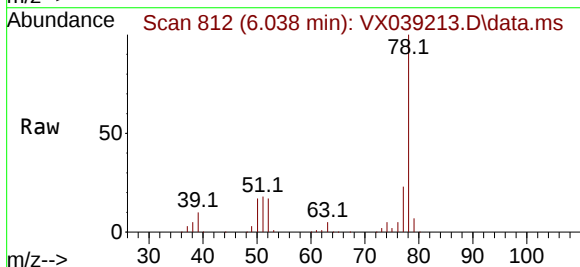
Delta R.T. 0.000 min

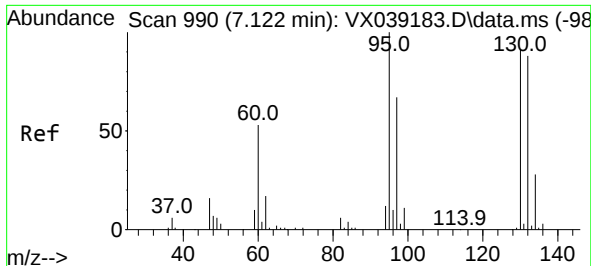
Lab File: VX039213.D

Acq: 14 Dec 2023 17:05

Tgt Ion: 78 Resp: 545488

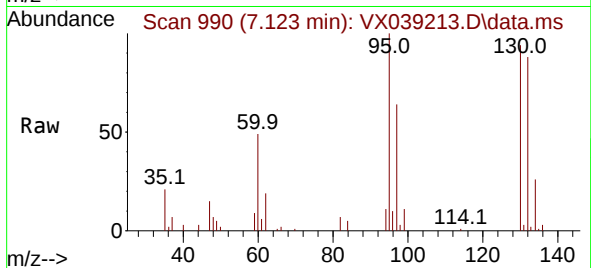
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9





#44
Trichloroethene
Concen: 6.977 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

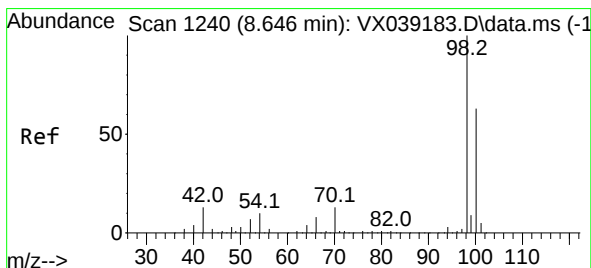
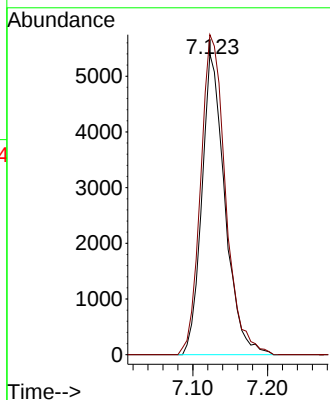
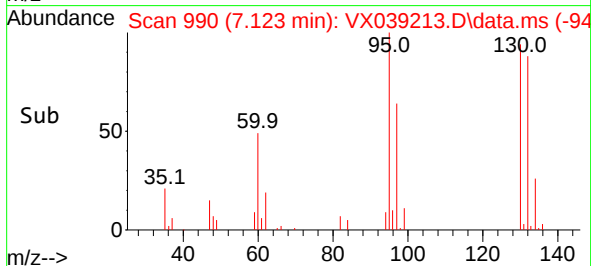
Instrument :
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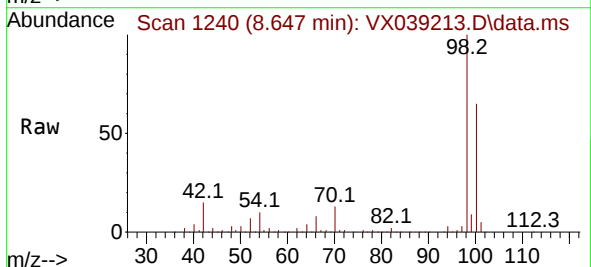
Tgt Ion:130 Resp: 1160
Ion Ratio Lower Upper
130 100
95 106.4 0.0 204.4

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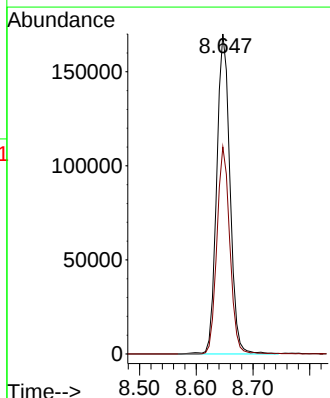
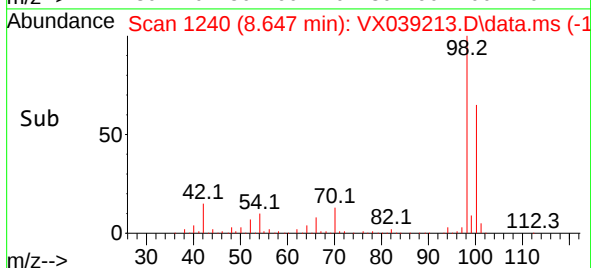
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

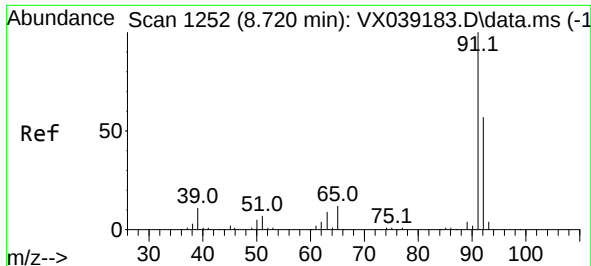


#50
Toluene-d8
Concen: 50.229 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05



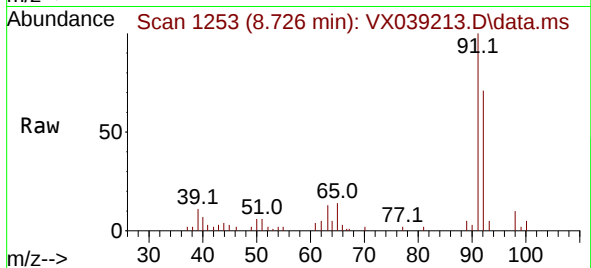
Tgt Ion: 98 Resp: 275420
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7





#52
Toluene
Concen: 1.394 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

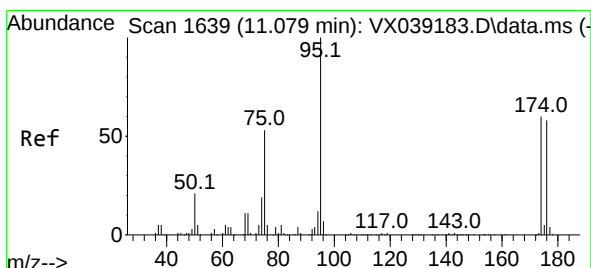
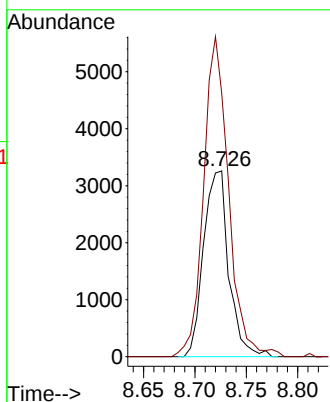
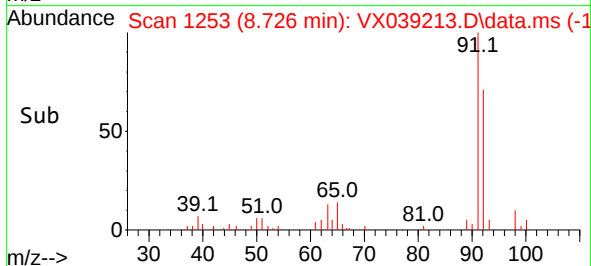
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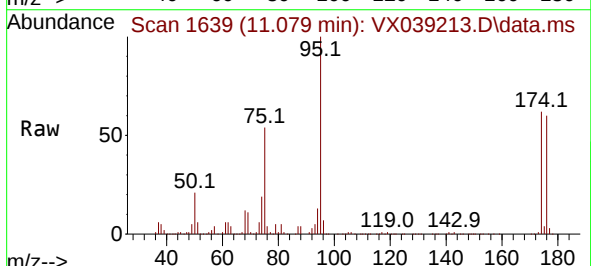
Tgt Ion: 92 Resp: 5548
Ion Ratio Lower Upper
92 100
91 170.6 134.2 201.2

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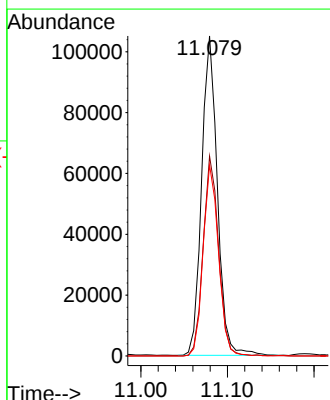
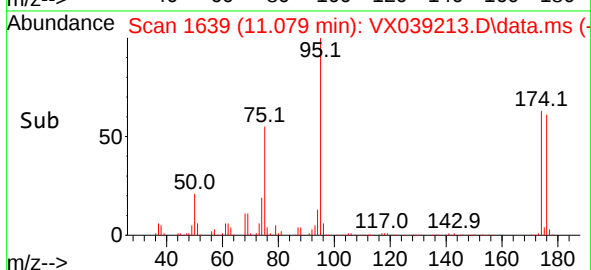
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023

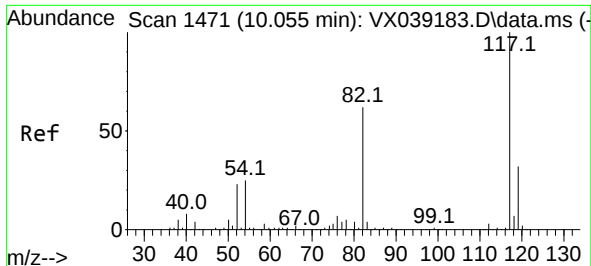


#62
4-Bromofluorobenzene
Concen: 58.561 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05



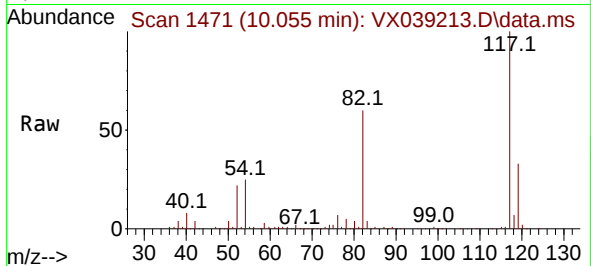
Tgt Ion: 95 Resp: 132486
Ion Ratio Lower Upper
95 100
174 61.4 0.0 135.6
176 58.5 0.0 131.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

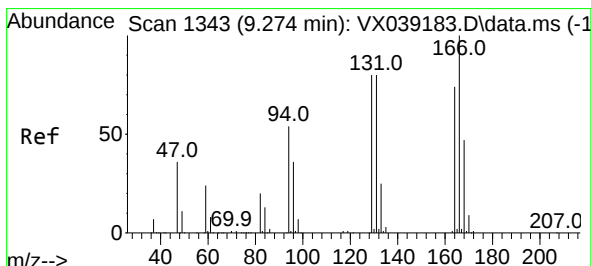
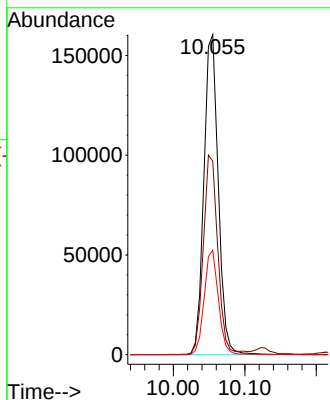
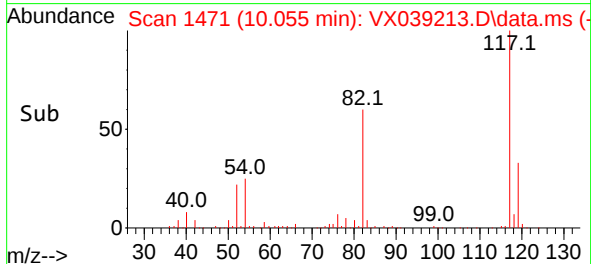
Instrument :
MSVOA_X
ClientSampleId :
MW-12



Tgt Ion:117 Resp: 22452
Ion Ratio Lower Upper
117 100
82 60.4 46.2 69.4
119 32.7 25.5 38.3

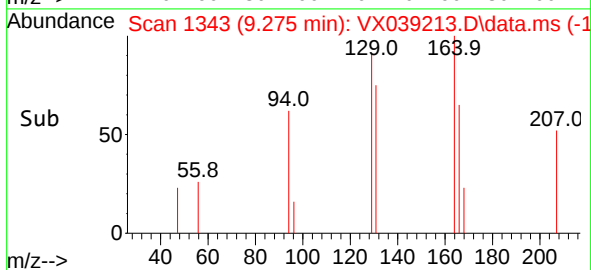
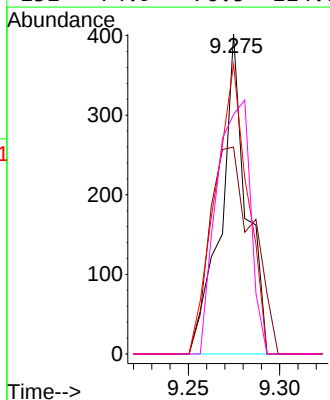
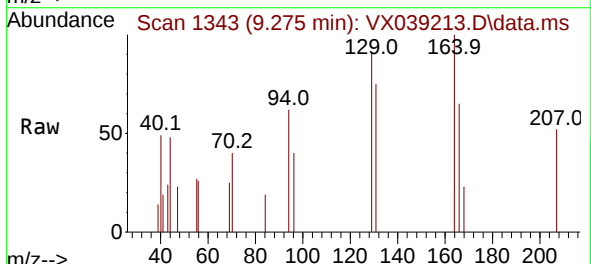
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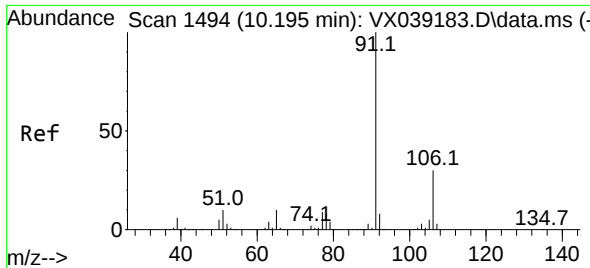
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#64
Tetrachloroethene
Concen: 0.264 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

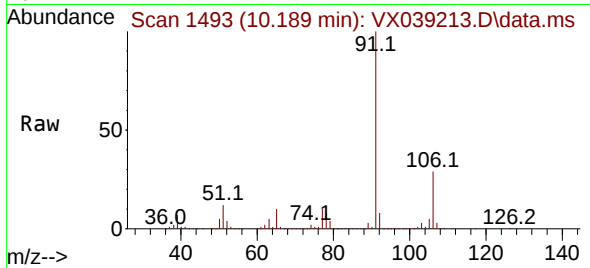
Tgt Ion:164 Resp: 388
Ion Ratio Lower Upper
164 100
166 64.7 102.7 154.1#
129 90.5 80.4 120.6
131 74.9 76.5 114.7#





#67
Ethyl Benzene
Concen: 73.753 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.006 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

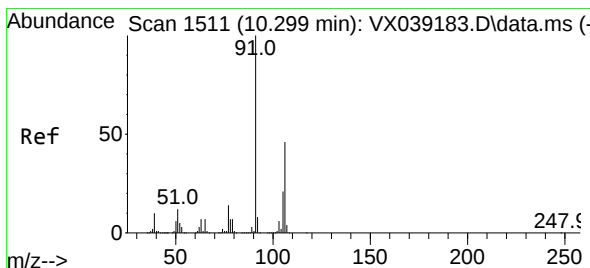
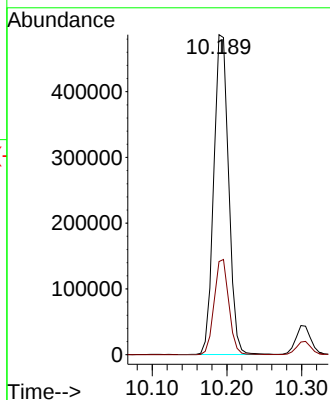
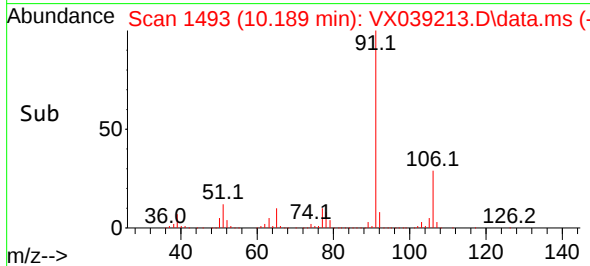
Instrument :
MSVOA_X
ClientSampleId :
MW-12



Tgt Ion: 91 Resp: 67279
Ion Ratio Lower Upper
91 100
106 29.1 24.9 37.3

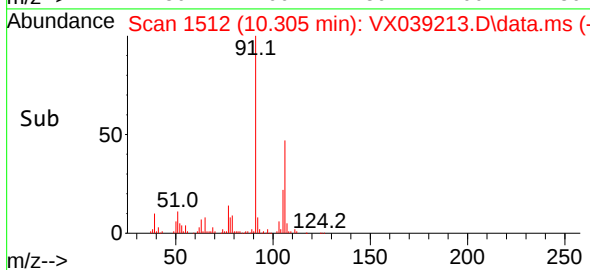
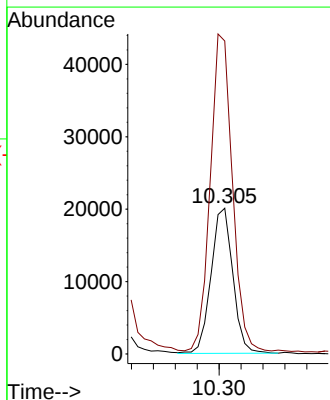
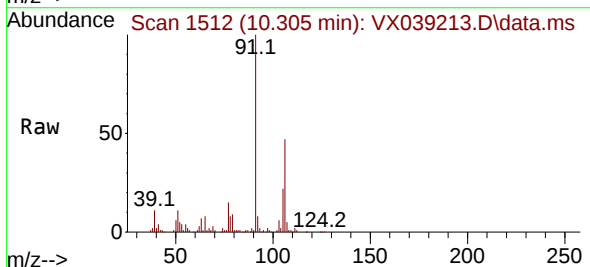
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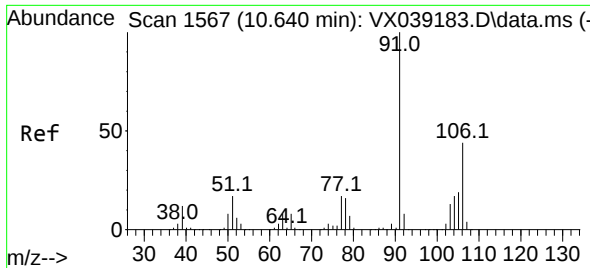
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#68
m/p-Xylenes
Concen: 8.492 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

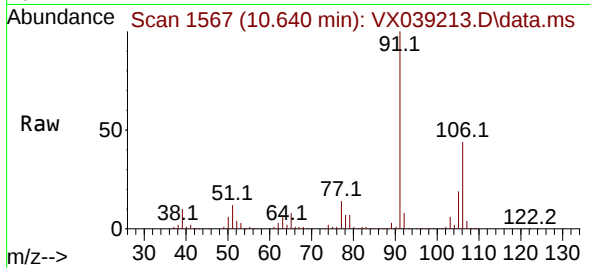
Tgt Ion:106 Resp: 27776
Ion Ratio Lower Upper
106 100
91 223.4 165.5 248.3





#69
o-Xylene
Concen: 15.670 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

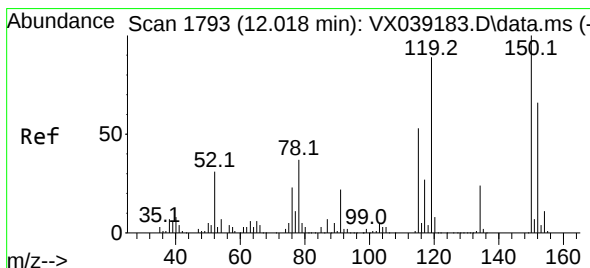
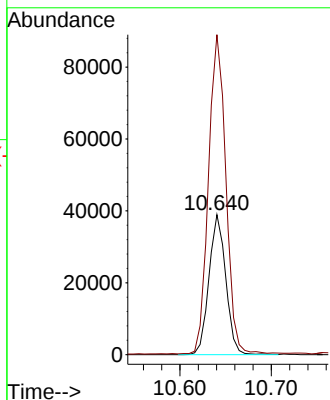
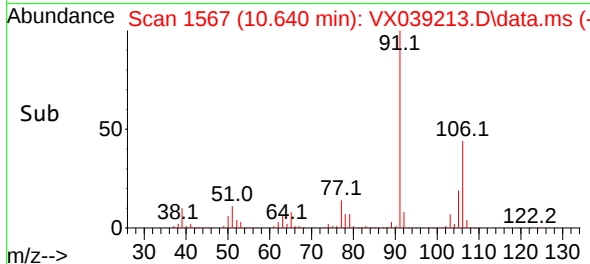
Instrument :
MSVOA_X
ClientSampleId :
MW-12



Tgt Ion:106 Resp: 4955
Ion Ratio Lower Upper
106 100
91 236.1 108.9 326.8

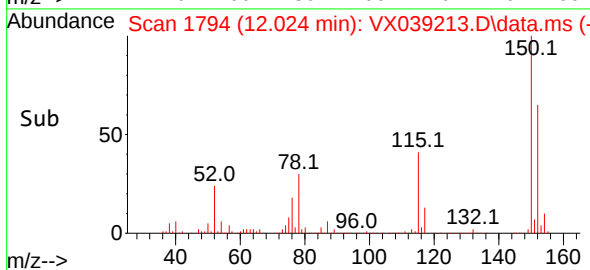
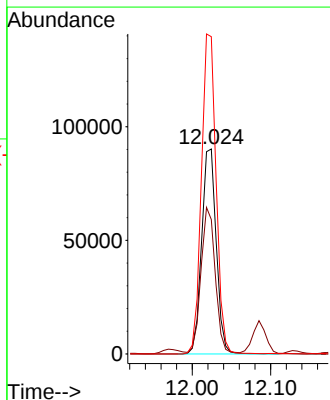
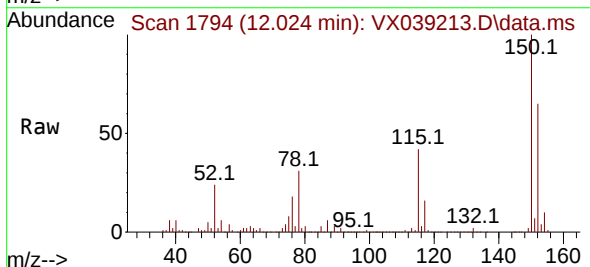
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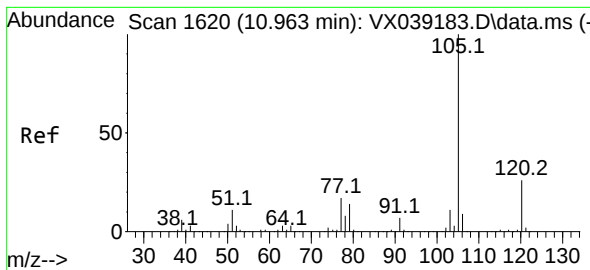
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

Tgt Ion:152 Resp: 116733
Ion Ratio Lower Upper
152 100
115 69.3 43.3 129.9
150 156.7 0.0 345.0





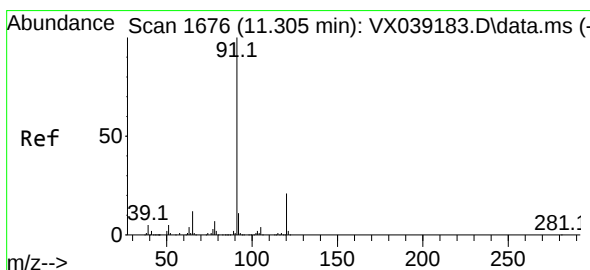
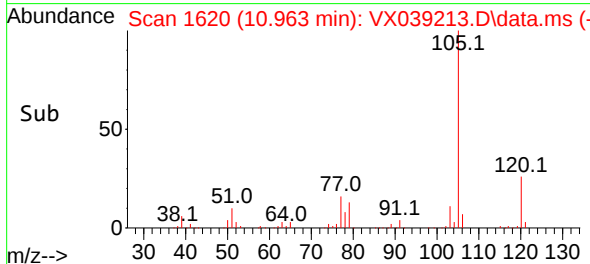
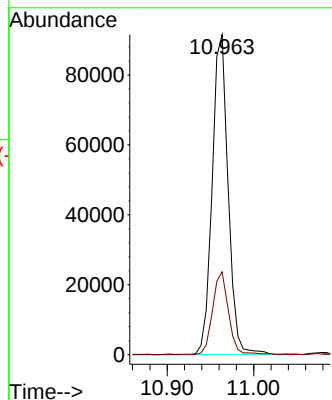
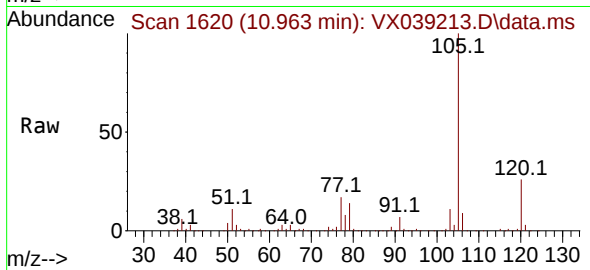
#73
Isopropylbenzene
Concen: 12.969 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

Instrument :
MSVOA_X
ClientSampleId :
MW-12

Tgt Ion:105 Resp: 116800
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.6

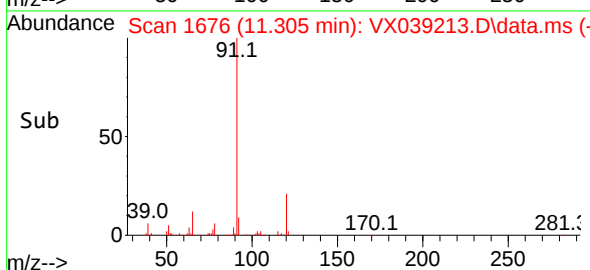
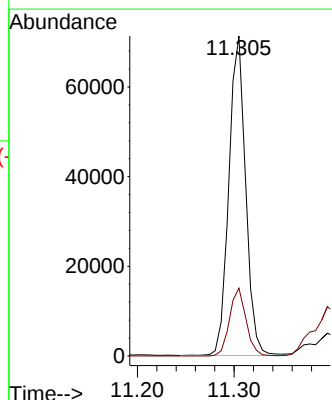
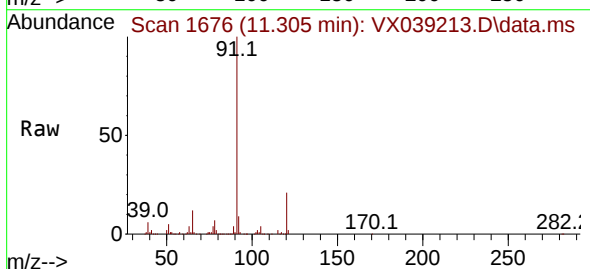
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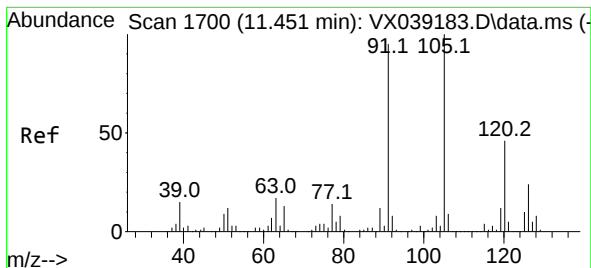
Reviewed By :John Carlone 12/15/2023
Supervised By :Mahesh Dadoda 12/15/2023



#78
n-propylbenzene
Concen: 7.738 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX039213.D
Acq: 14 Dec 2023 17:05

Tgt Ion: 91 Resp: 85871
Ion Ratio Lower Upper
91 100
120 20.8 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 5.107 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039213.D

Acq: 14 Dec 2023 17:05

Instrument :

MSVOA_X

ClientSampleId :

MW-12

Tgt Ion:105 Resp: 3918

Ion Ratio Lower Upper

105 100

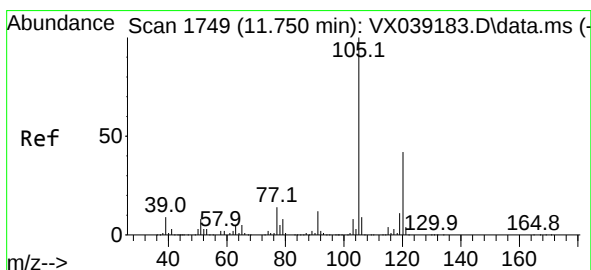
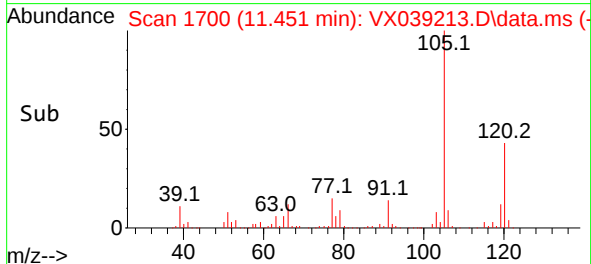
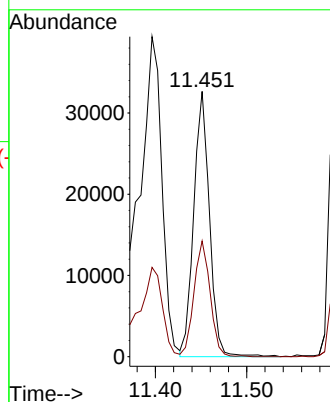
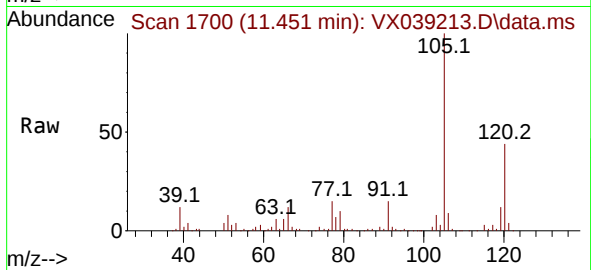
120 44.9 24.1 72.3

Manual Integrations

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Reviewed By :John Carlone 12/15/2023

Supervised By :Mahesh Dadoda 12/15/2023



#84

1,2,4-Trimethylbenzene

Concen: 43.726 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039213.D

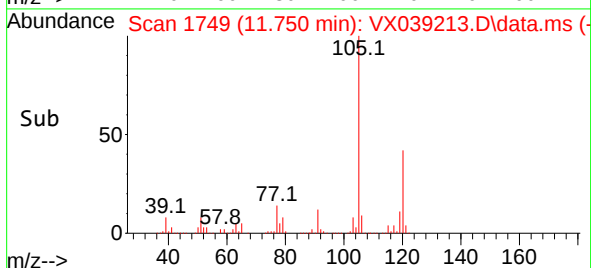
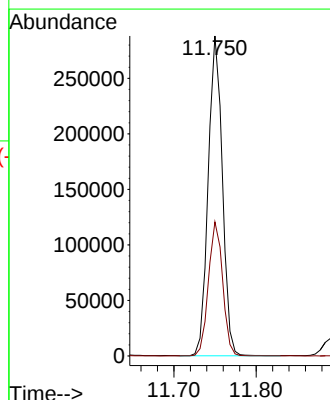
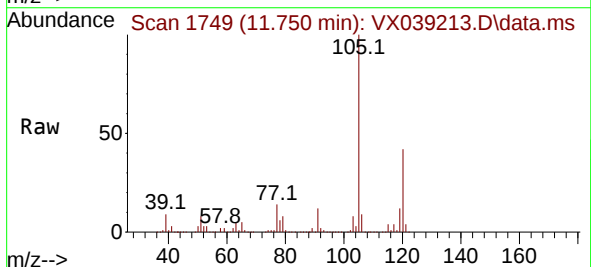
Acq: 14 Dec 2023 17:05

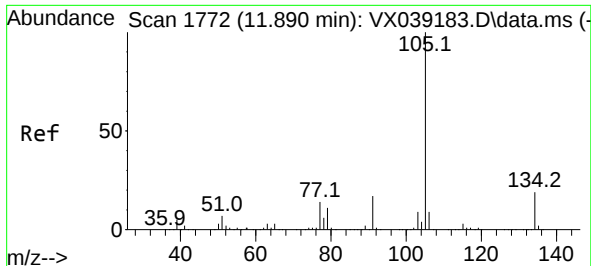
Tgt Ion:105 Resp: 344039

Ion Ratio Lower Upper

105 100

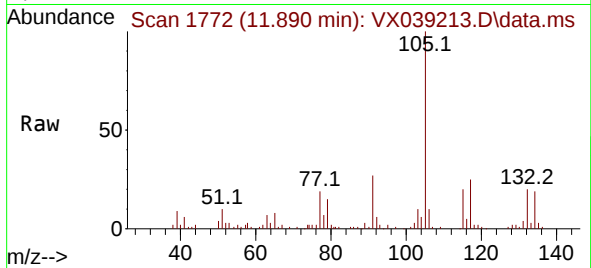
120 42.1 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 1.984 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX039213.D
 Acq: 14 Dec 2023 17:05

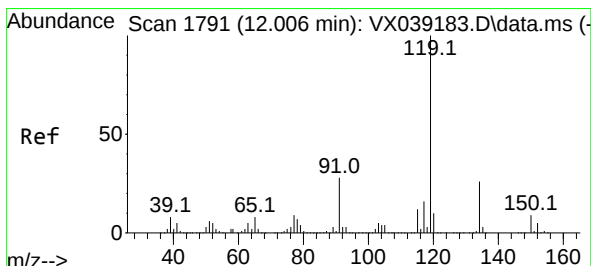
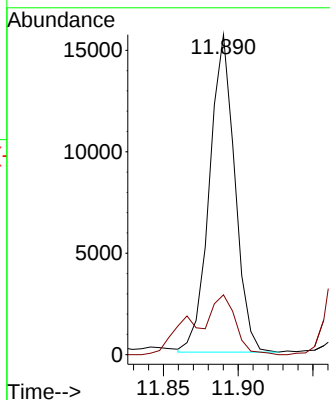
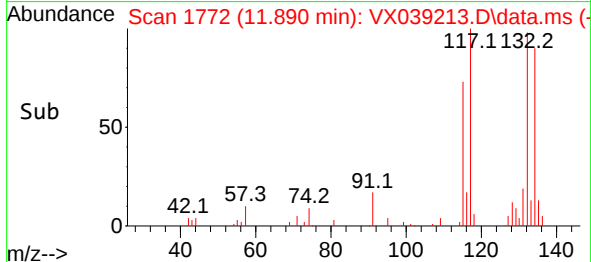
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12



Tgt Ion:105 Resp: 18436
 Ion Ratio Lower Upper
 105 100
 134 17.3 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: 0.817 ug/l m
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX039213.D
 Acq: 14 Dec 2023 17:05

Tgt Ion:119 Resp: 6369
 Ion Ratio Lower Upper
 119 100
 134 117.6 12.8 38.3#
 91 135.7 13.1 39.3#

