

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110422\
 Data File : VX032599.D
 Acq On : 05 Nov 2022 02:50
 Operator : JC/MD
 Sample : N5483-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2D

Manual Integrations
 APPROVED

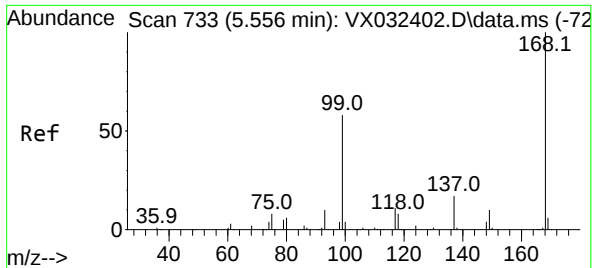
Reviewed By :John Carlone 11/07/2022
 Supervised By :Mahesh Dadoda 11/07/2022

Quant Time: Nov 07 05:07:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

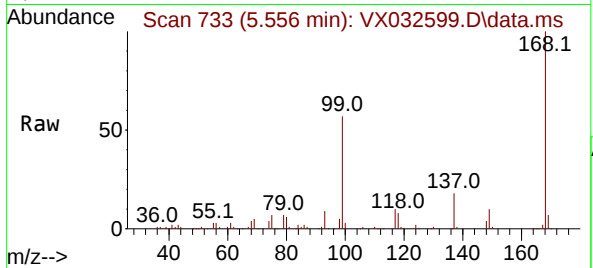
Internal Standards						
1) Pentafluorobenzene	5.556	168	125396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	204479	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84918	48.738	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.480%		
35) Dibromofluoromethane	5.391	113	65992	45.244	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.480%		
50) Toluene-d8	8.653	98	249746	49.242	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.480%		
62) 4-Bromofluorobenzene	11.079	95	102431	51.703	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.400%		
Target Compounds					Qvalue	
16) Acetone	2.380	43	5236m	8.268	ug/l	
30) Chloroform	5.092	83	3825m	1.398	ug/l	
31) Cyclohexane	5.477	56	96868	45.853	ug/l	90
39) Methylcyclohexane	7.379	83	64557	26.864	ug/l	93
40) Benzene	6.044	78	2405	0.418	ug/l	93
51) 4-Methyl-2-Pentanone	8.580	43	3666	1.793	ug/l	91
52) Toluene	8.720	92	71336	19.023	ug/l	99
67) Ethyl Benzene	10.195	91	748090	100.327	ug/l	100
68) m/p-Xylenes	10.305	106	618001	213.440	ug/l	100
69) o-Xylene	10.640	106	279896	99.425	ug/l	99
73) Isopropylbenzene	10.963	105	95309	12.104	ug/l	100
78) n-propylbenzene	11.305	91	188099	20.734	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	313799	46.630	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	985864	147.293	ug/l	99
85) sec-Butylbenzene	11.890	105	14819m	1.833	ug/l	
86) p-Isopropyltoluene	12.012	119	8749m	1.275	ug/l	
89) n-Butylbenzene	12.329	91	17308m	2.900	ug/l	
95) Naphthalene	13.774	128	296974	38.070	ug/l	100

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

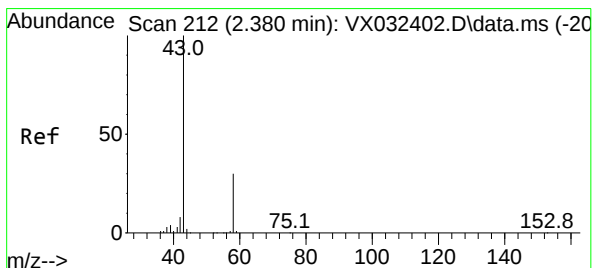
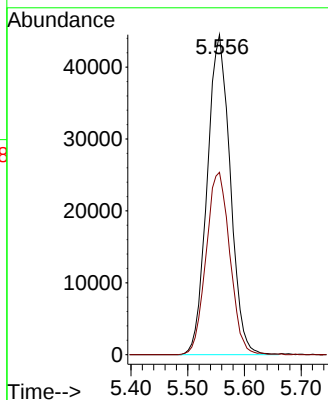
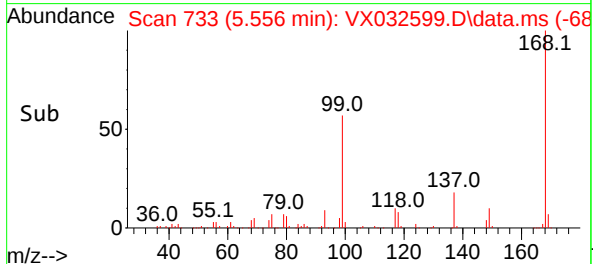
Instrument :
MSVOA_X
ClientSampleId :
MW-2D



Tgt Ion:168 Resp: 125390
Ion Ratio Lower Upper
168 100
99 57.0 46.1 69.1

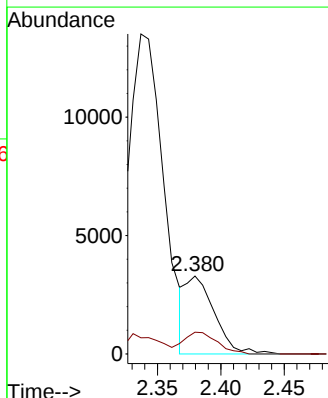
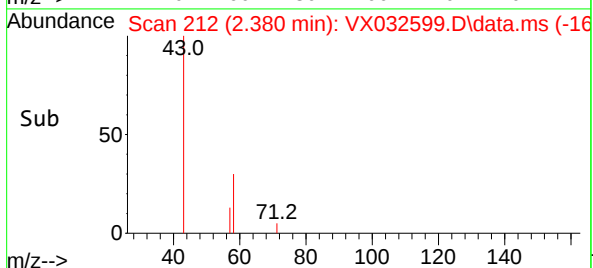
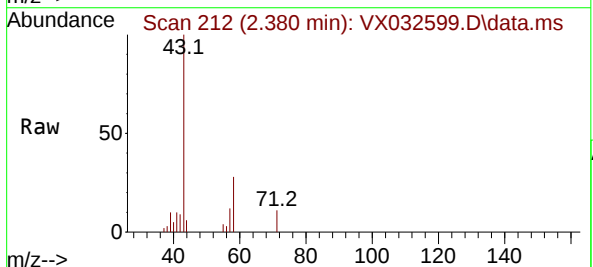
Manual Integrations
APPROVED

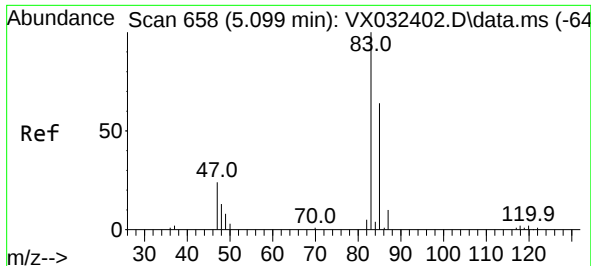
Reviewed By :John Carlone 11/07/2022
Supervised By :Mahesh Dadoda 11/07/2022



#16
Acetone
Concen: 8.268 ug/l m
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

Tgt Ion: 43 Resp: 5236
Ion Ratio Lower Upper
43 100
58 27.9 23.8 35.8





#30

Chloroform

Concen: 1.398 ug/l m

RT: 5.092 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX032599.D

Acq: 05 Nov 2022 02:50

Instrument :

MSVOA_X

ClientSampleId :

MW-2D

Tgt Ion: 83 Resp: 382

Ion Ratio Lower Upper

83 100

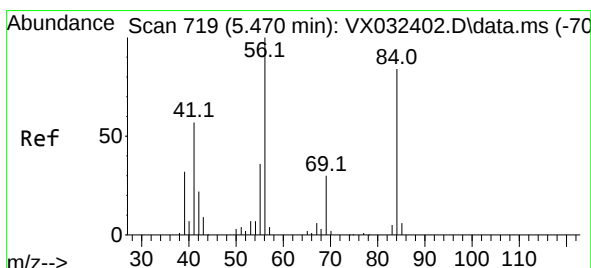
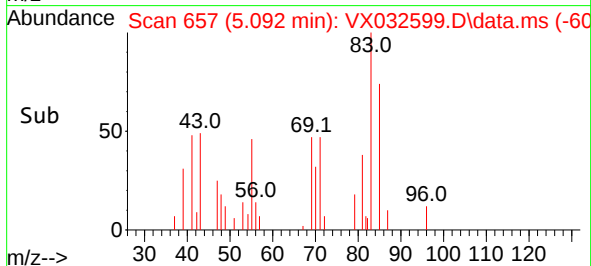
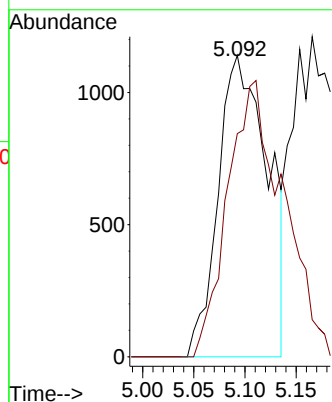
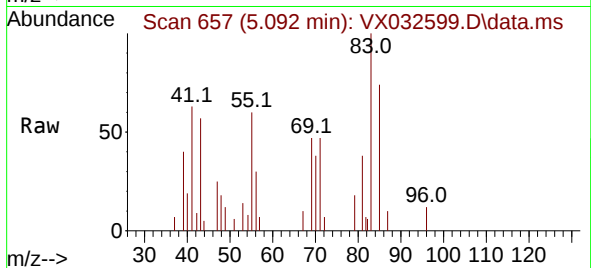
85 74.0 51.1 76.7

Manual Integrations

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Reviewed By :John Carlone 11/07/2022

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#31

Cyclohexane

Concen: 45.853 ug/l

RT: 5.477 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX032599.D

Acq: 05 Nov 2022 02:50

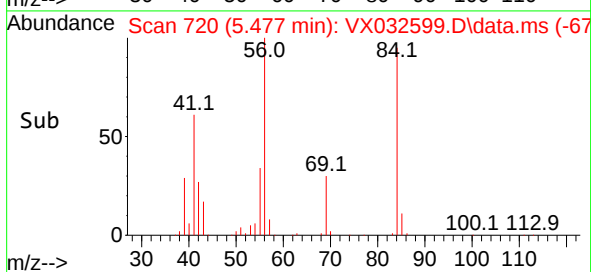
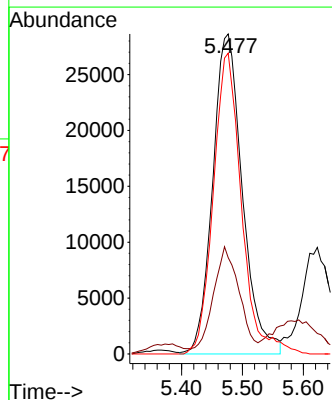
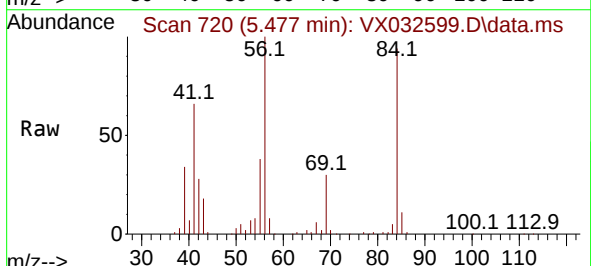
Tgt Ion: 56 Resp: 96868

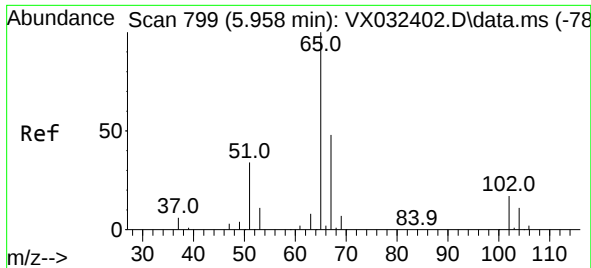
Ion Ratio Lower Upper

56 100

69 28.0 24.1 36.1

84 94.4 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 48.738 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032599.D

Acq: 05 Nov 2022 02:50

Instrument :

MSVOA_X

ClientSampleId :

MW-2D

Tgt Ion: 65 Resp: 84918

Ion Ratio Lower Upper

65 100

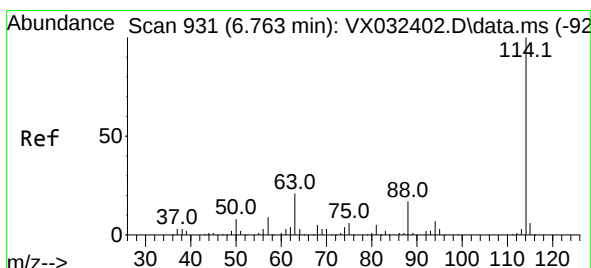
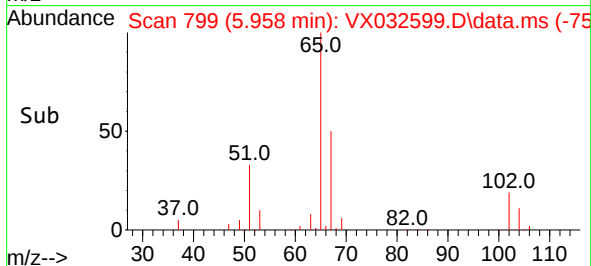
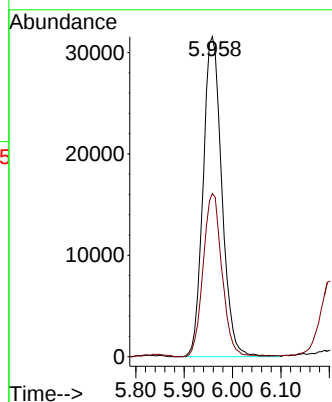
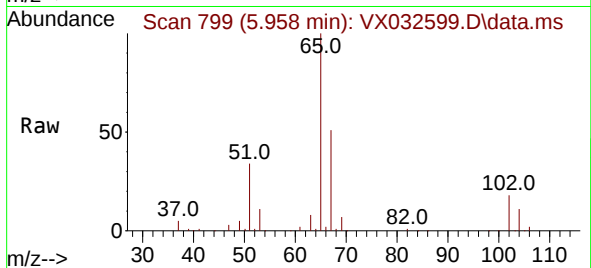
67 51.2 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/07/2022

Supervised By :Mahesh Dadoda 11/07/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032599.D

Acq: 05 Nov 2022 02:50

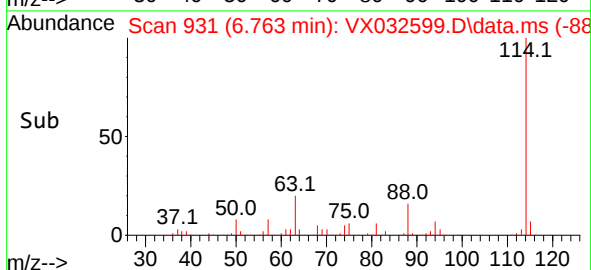
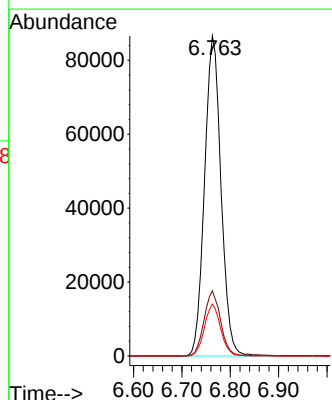
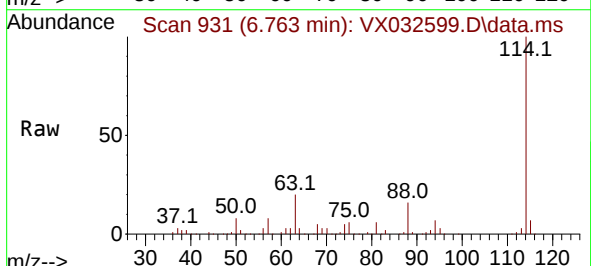
Tgt Ion:114 Resp: 204479

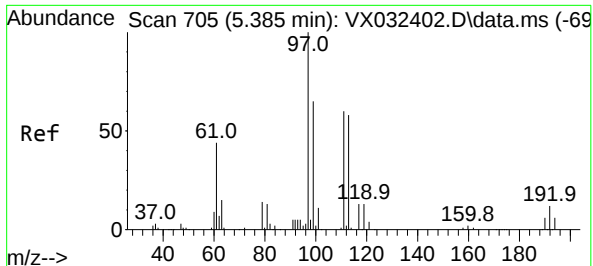
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

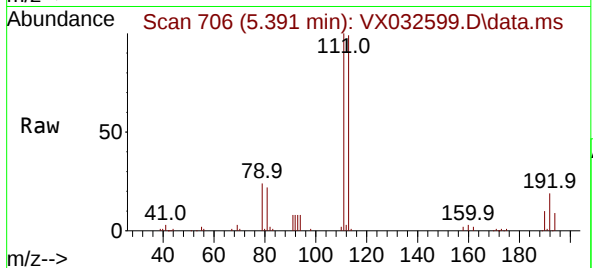
88 16.2 0.0 33.4





#35
Dibromofluoromethane
Concen: 45.244 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

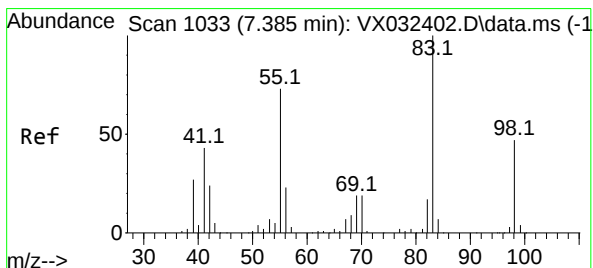
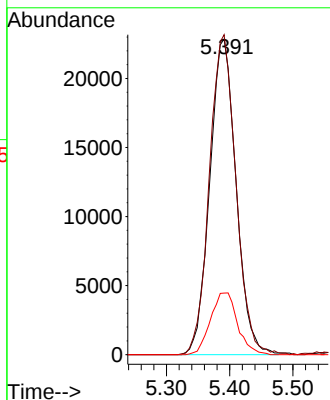
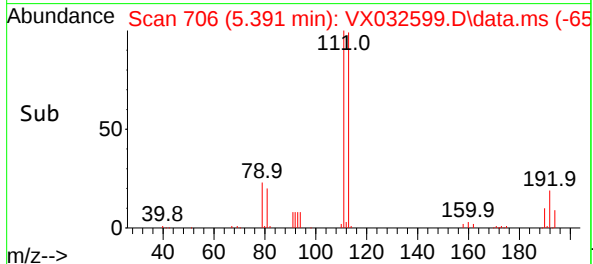
Instrument :
MSVOA_X
ClientSampleId :
MW-2D



Tgt Ion:113 Resp: 65992
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 20.1 15.4 23.2

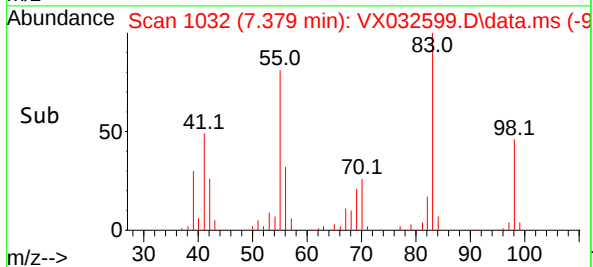
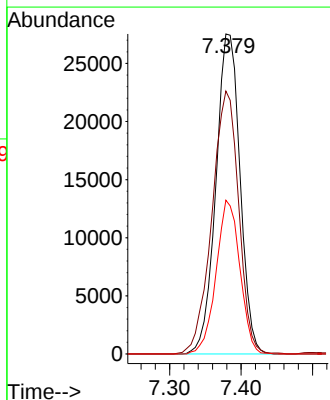
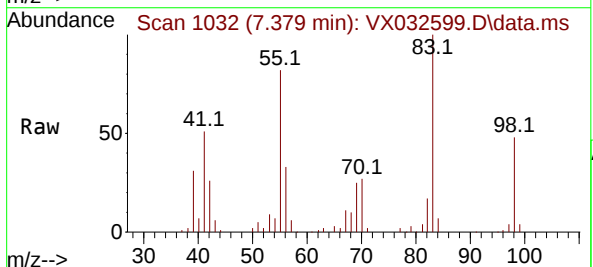
Manual Integrations
APPROVED

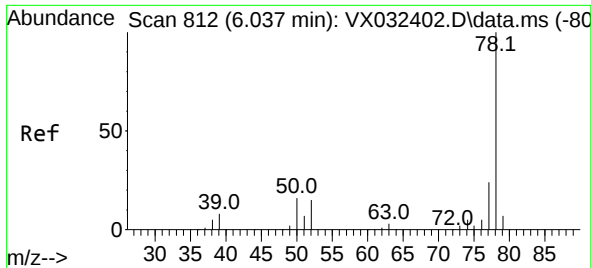
Reviewed By :John Carlone 11/07/2022
Supervised By :Mahesh Dadoda 11/07/2022



#39
Methylcyclohexane
Concen: 26.864 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

Tgt Ion: 83 Resp: 64557
Ion Ratio Lower Upper
83 100
55 81.9 58.4 87.6
98 48.1 37.2 55.8





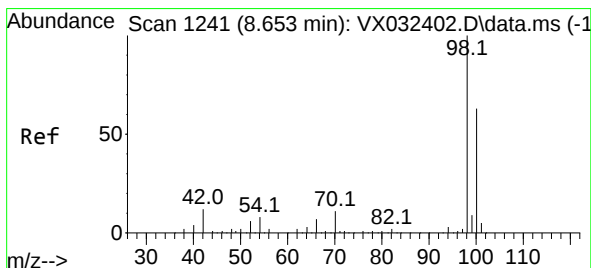
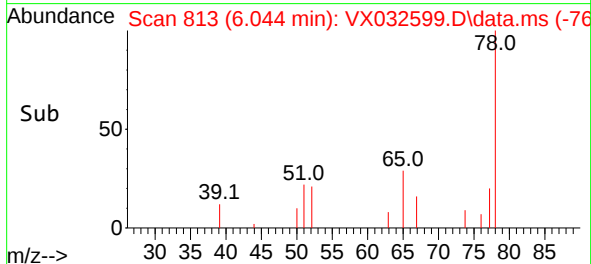
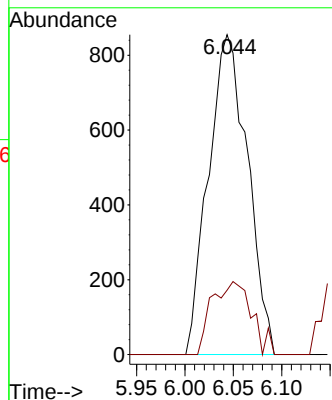
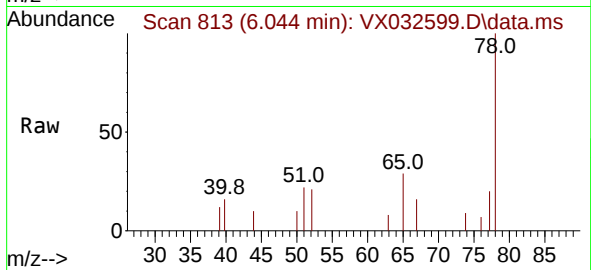
#40
Benzene
Concen: 0.418 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

Instrument :
MSVOA_X
Client SampleId :
MW-2D

Tgt Ion: 78 Resp: 240
Ion Ratio Lower Upper
78 100
77 20.1 19.0 28.4

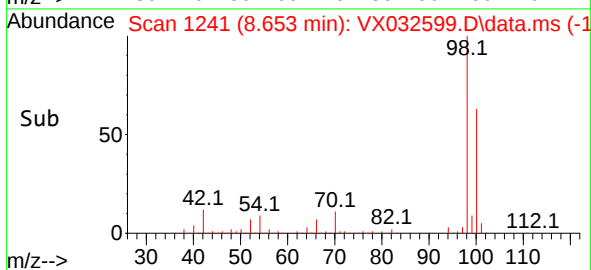
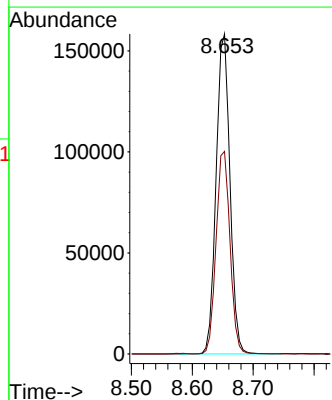
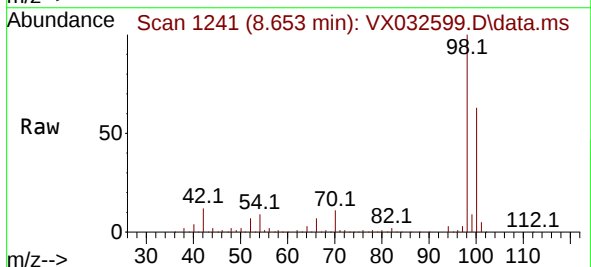
Manual Integrations
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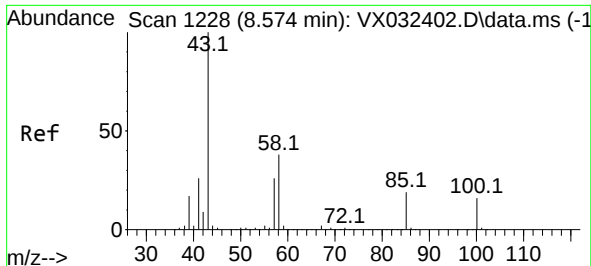
Reviewed By :John Carlone 11/07/2022
Supervised By :Mahesh Dadoda 11/07/2022



#50
Toluene-d8
Concen: 49.242 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

Tgt Ion: 98 Resp: 249746
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





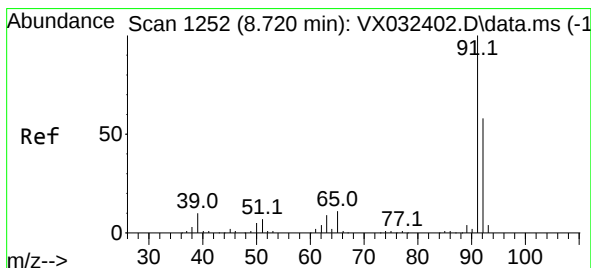
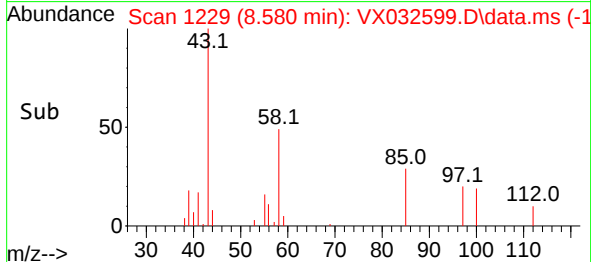
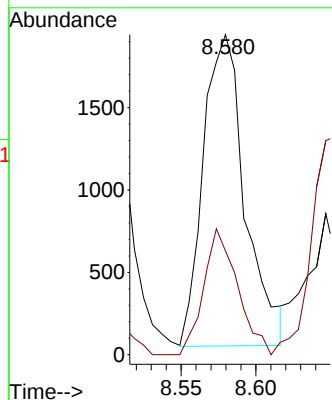
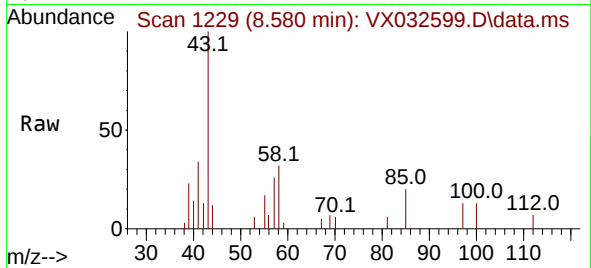
#51
4-Methyl-2-Pentanone
Concen: 1.793 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

Instrument :
MSVOA_X
ClientSampleId :
MW-2D

Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
58 32.8 30.9 46.3

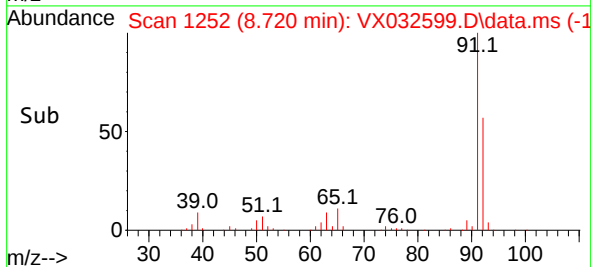
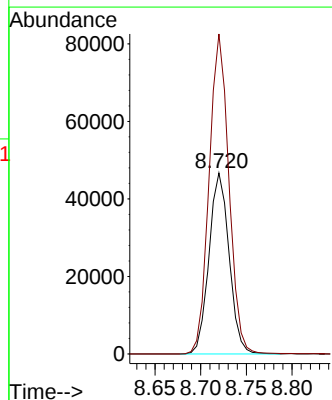
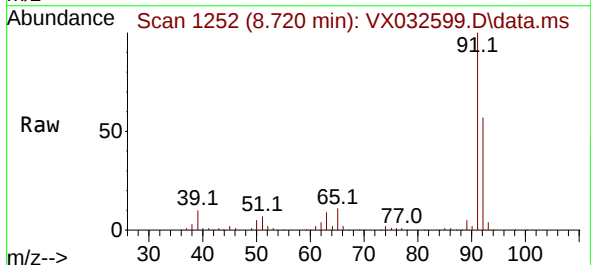
Manual Integrations
APPROVED

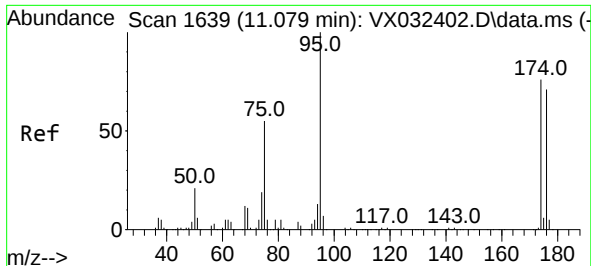
Reviewed By :John Carlone 11/07/2022
Supervised By :Mahesh Dadoda 11/07/2022



#52
Toluene
Concen: 19.023 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

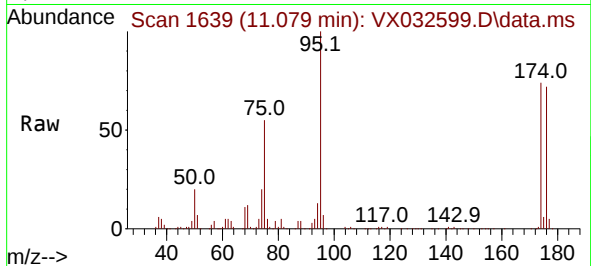
Tgt Ion: 92 Resp: 71336
Ion Ratio Lower Upper
92 100
91 174.1 138.3 207.5





#62
4-Bromofluorobenzene
Concen: 51.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

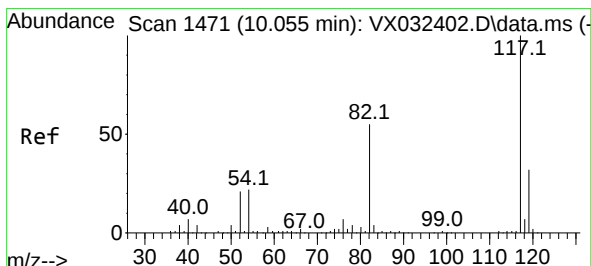
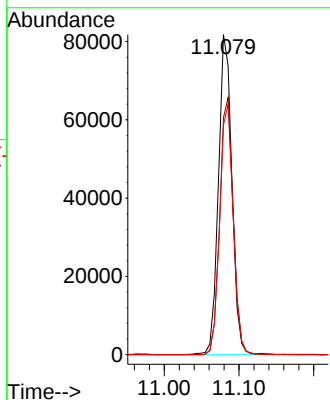
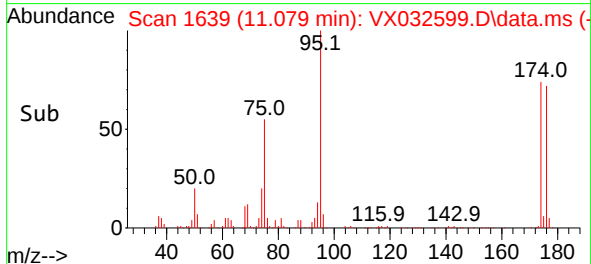
Instrument :
MSVOA_X
ClientSampleId :
MW-2D



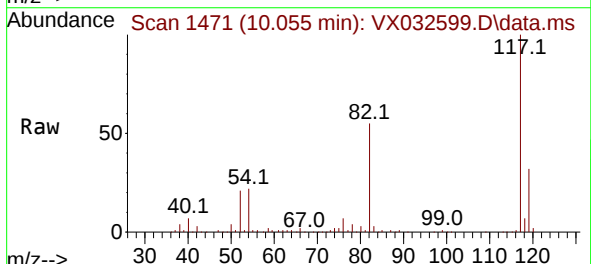
Tgt Ion: 95 Resp: 10243
Ion Ratio Lower Upper
95 100
174 80.6 0.0 164.0
176 78.3 0.0 154.4

Manual Integrations
APPROVED

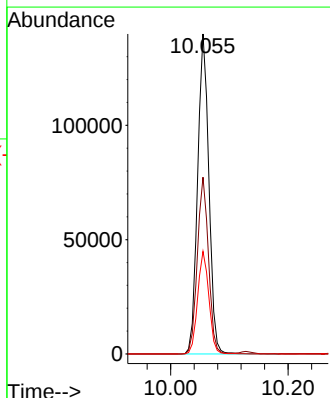
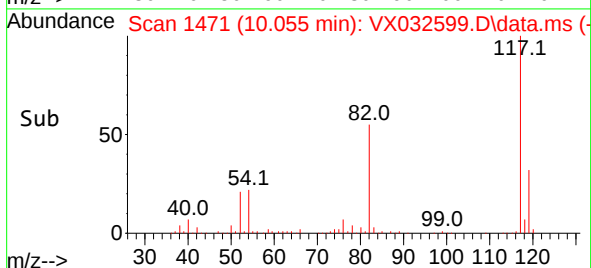
Reviewed By :John Carlone 11/07/2022
Supervised By :Mahesh Dadoda 11/07/2022

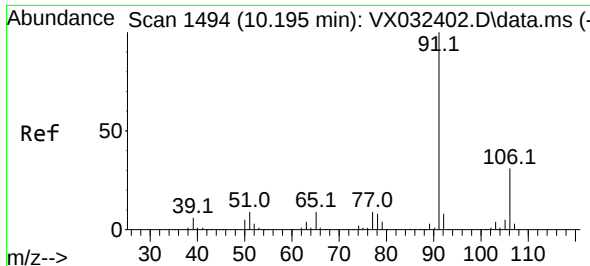


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50



Tgt Ion:117 Resp: 186147
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 32.1 25.7 38.5





#67

Ethyl Benzene

Concen: 100.327 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX032599.D

Acq: 05 Nov 2022 02:50

Instrument :

MSVOA_X

ClientSampleId :

MW-2D

Tgt Ion: 91 Resp: 748090

Ion Ratio Lower Upper

91 100

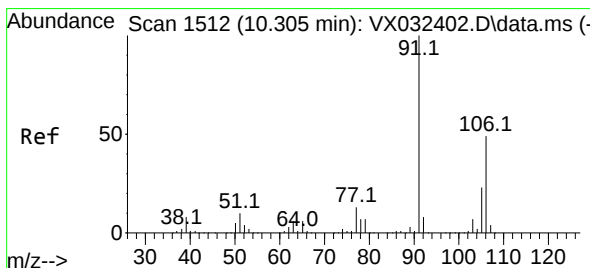
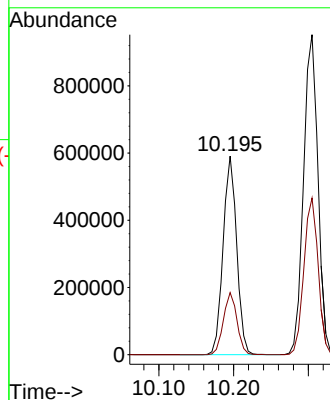
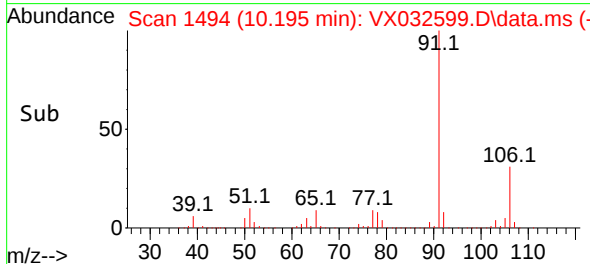
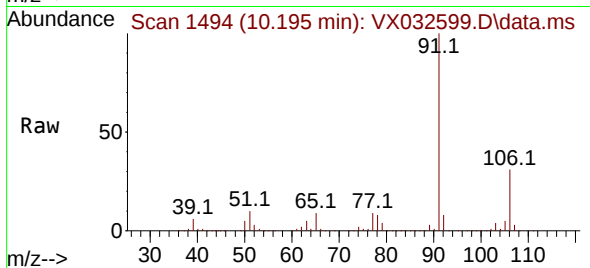
106 31.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/07/2022

Supervised By :Mahesh Dadoda 11/07/2022



#68

m/p-Xylenes

Concen: 213.440 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX032599.D

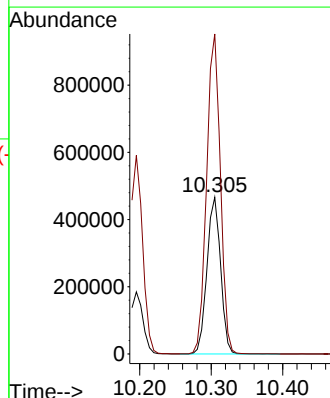
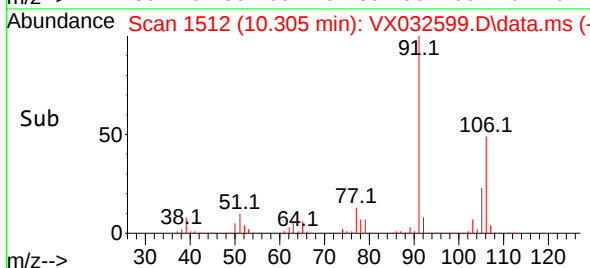
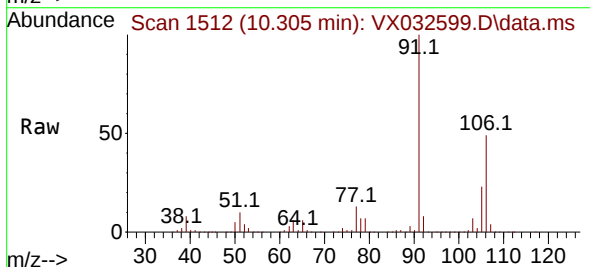
Acq: 05 Nov 2022 02:50

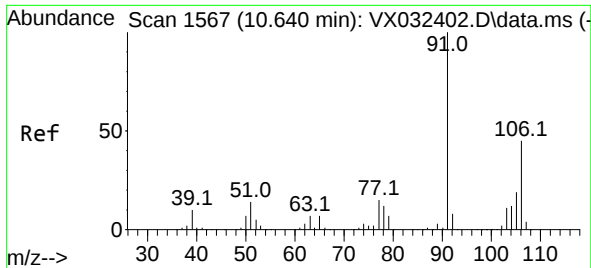
Tgt Ion:106 Resp: 618001

Ion Ratio Lower Upper

106 100

91 206.0 164.5 246.7





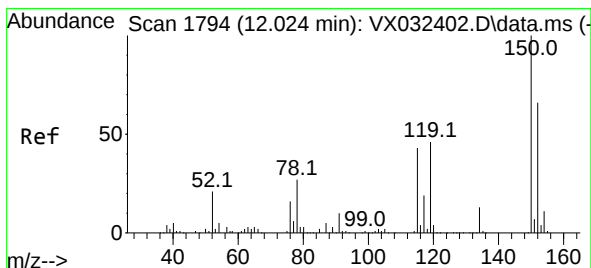
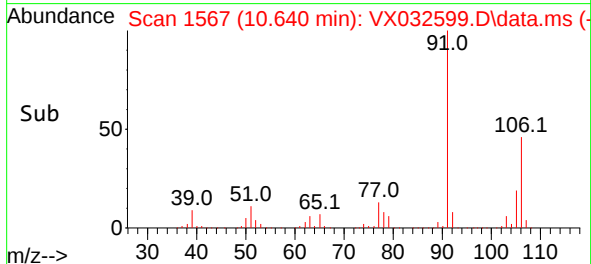
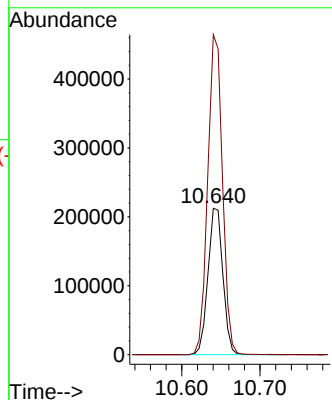
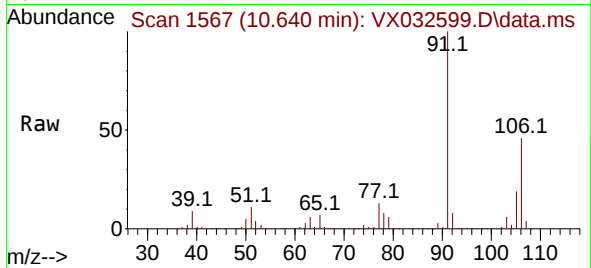
#69
o-Xylene
Concen: 99.425 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

Instrument :
MSVOA_X
ClientSampleId :
MW-2D

Tgt Ion:106 Resp: 279890
Ion Ratio Lower Upper
106 100
91 216.3 109.2 327.6

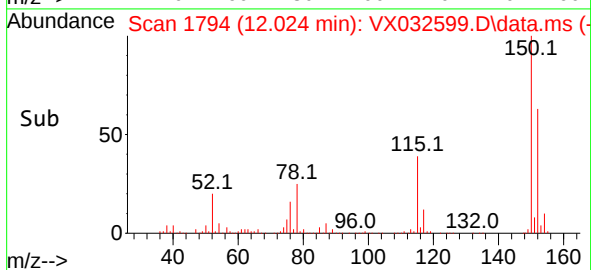
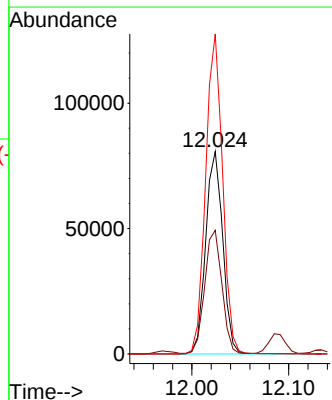
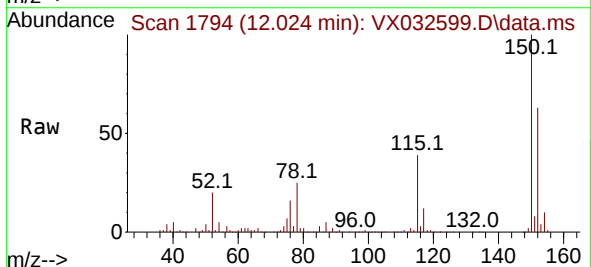
Manual Integrations
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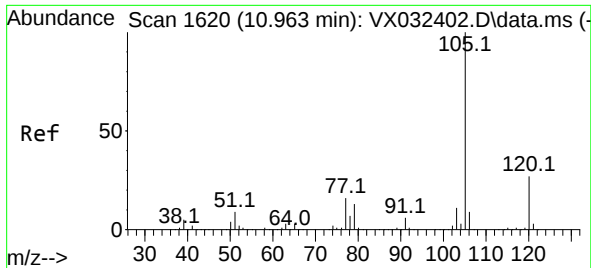
Reviewed By :John Carlone 11/07/2022
Supervised By :Mahesh Dadoda 11/07/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

Tgt Ion:152 Resp: 99366
Ion Ratio Lower Upper
152 100
115 61.8 44.0 132.0
150 156.5 0.0 351.8





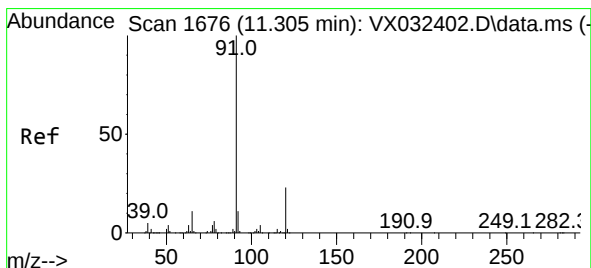
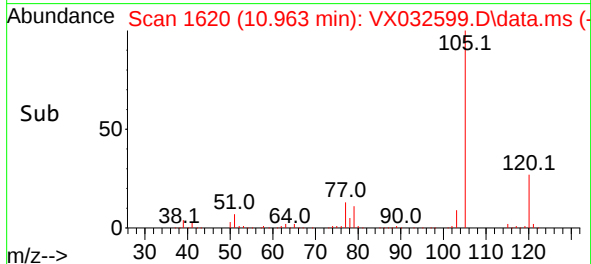
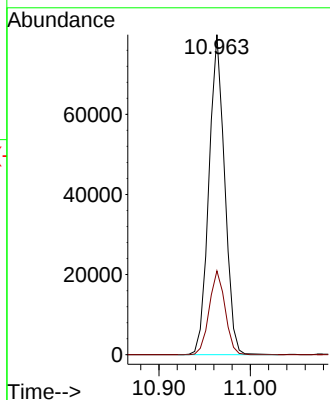
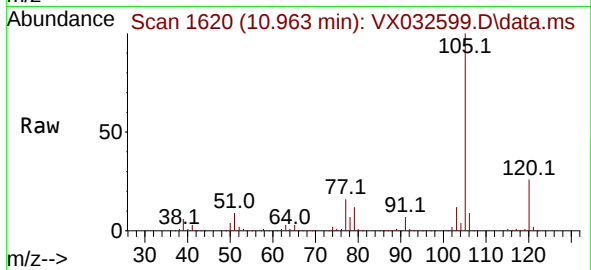
#73
Isopropylbenzene
Concen: 12.104 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

Instrument :
MSVOA_X
ClientSampleId :
MW-2D

Tgt Ion:105 Resp: 95309
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.3

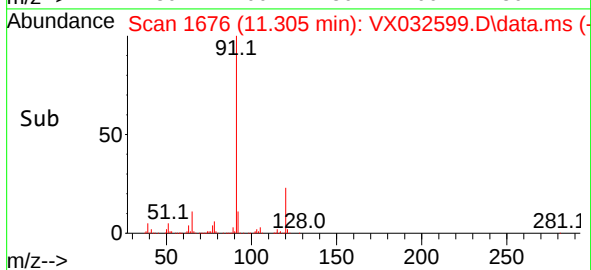
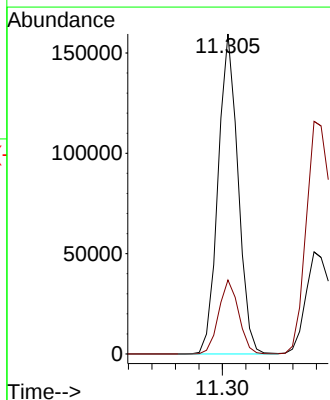
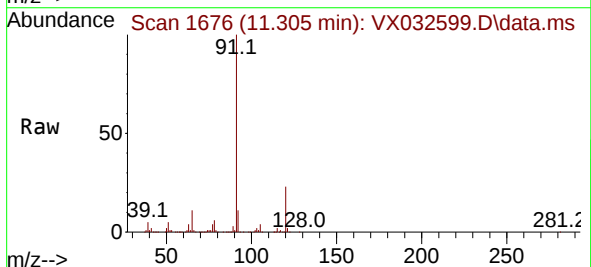
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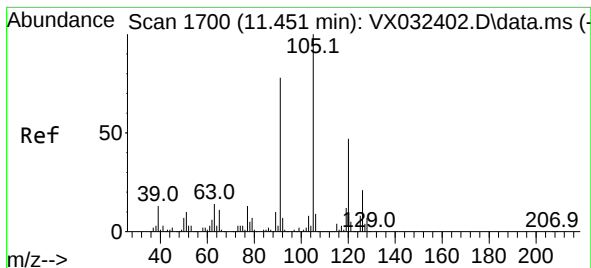
Reviewed By :John Carlone 11/07/2022
Supervised By :Mahesh Dadoda 11/07/2022



#78
n-propylbenzene
Concen: 20.734 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

Tgt Ion: 91 Resp: 188099
Ion Ratio Lower Upper
91 100
120 23.1 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 46.630 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX032599.D

Acq: 05 Nov 2022 02:50

Instrument :

MSVOA_X

ClientSampleId :

MW-2D

Tgt Ion:105 Resp: 313799

Ion Ratio Lower Upper

105 100

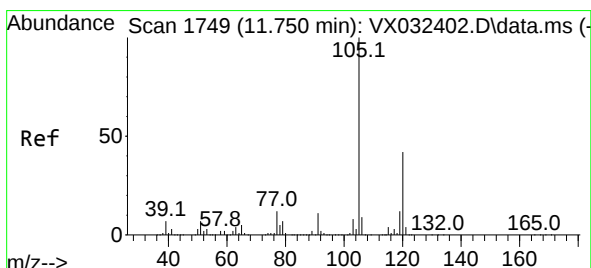
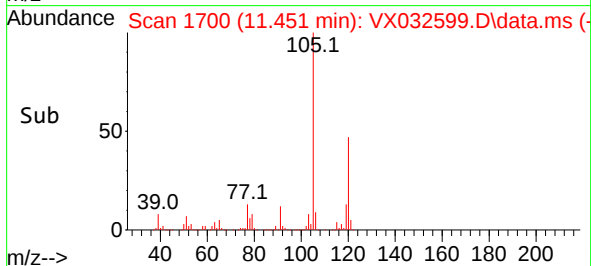
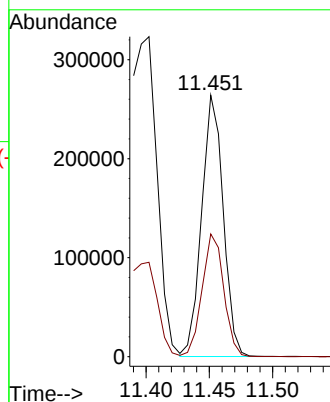
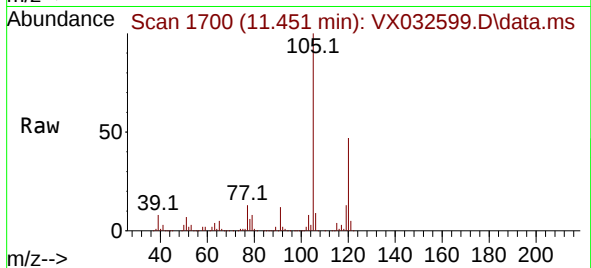
120 47.2 23.6 71.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/07/2022

Supervised By :Mahesh Dadoda 11/07/2022



#84

1,2,4-Trimethylbenzene

Concen: 147.293 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX032599.D

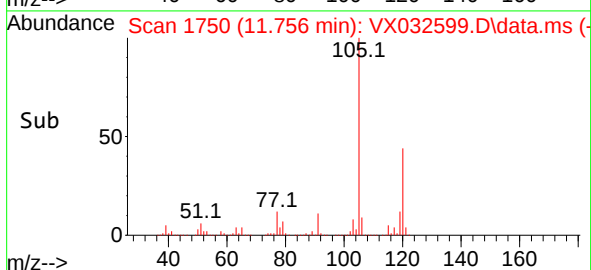
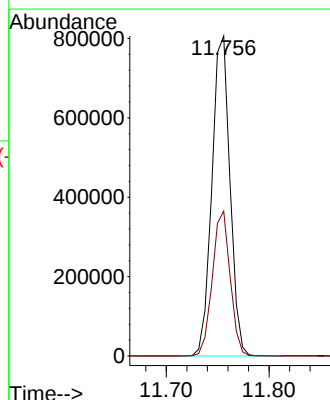
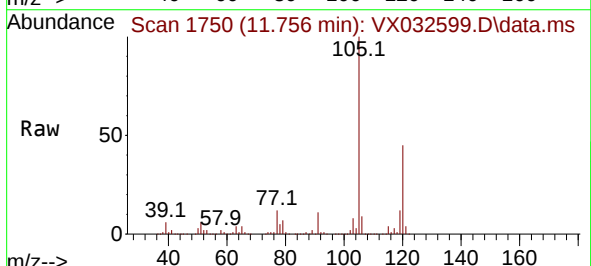
Acq: 05 Nov 2022 02:50

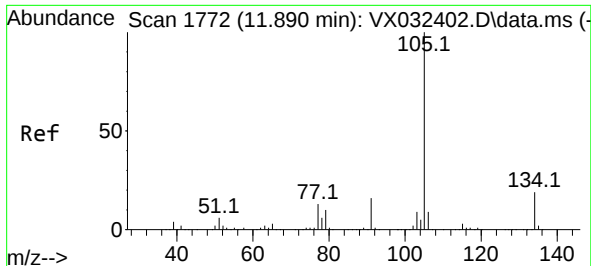
Tgt Ion:105 Resp: 985864

Ion Ratio Lower Upper

105 100

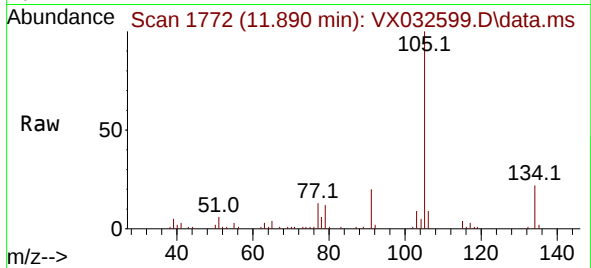
120 44.6 21.9 65.5





#85
 sec-Butylbenzene
 Concen: 1.833 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX032599.D
 Acq: 05 Nov 2022 02:50

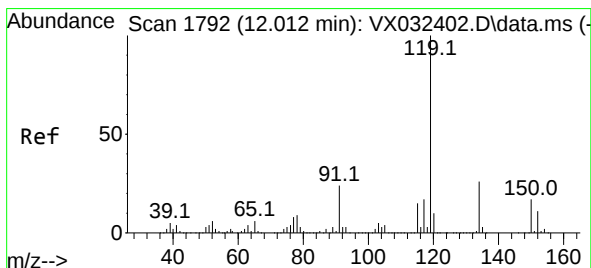
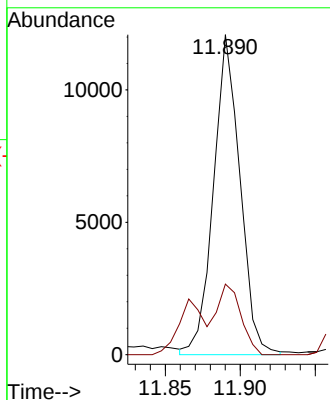
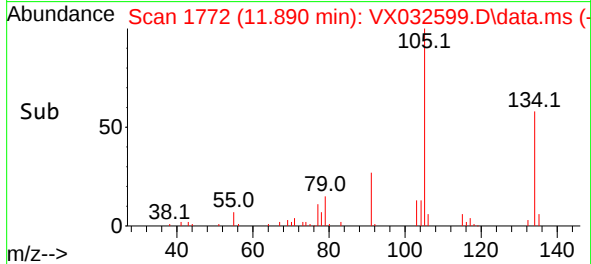
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2D



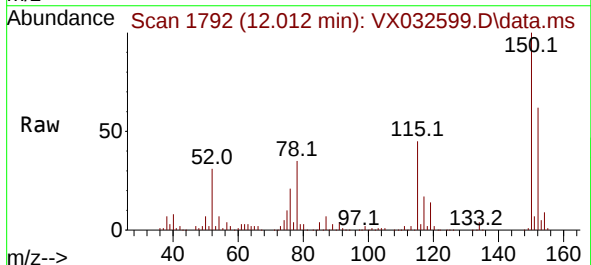
Tgt Ion:105 Resp: 14819
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7%

Manual Integrations
 APPROVED

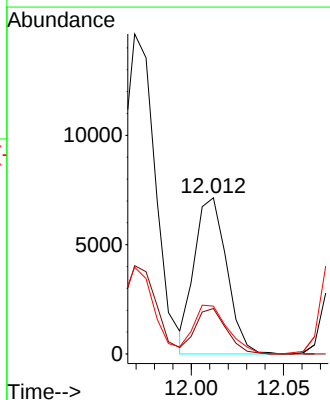
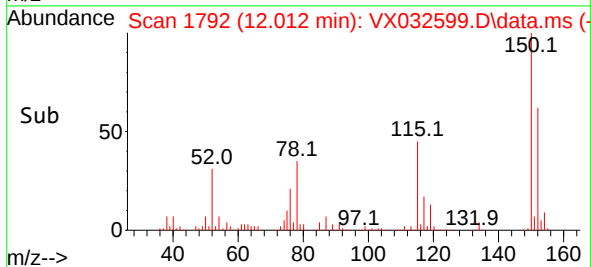
Reviewed By :John Carlone 11/07/2022
 Supervised By :Mahesh Dadoda 11/07/2022

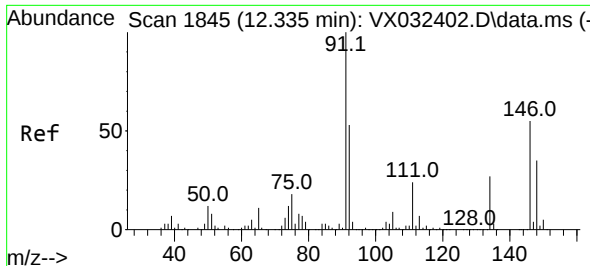


#86
 p-Isopropyltoluene
 Concen: 1.275 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX032599.D
 Acq: 05 Nov 2022 02:50



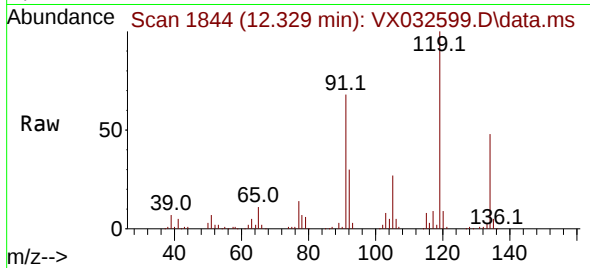
Tgt Ion:119 Resp: 8749
 Ion Ratio Lower Upper
 119 100
 134 58.8 12.9 38.7#
 91 56.2 12.5 37.5#





#89
n-Butylbenzene
Concen: 2.900 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50

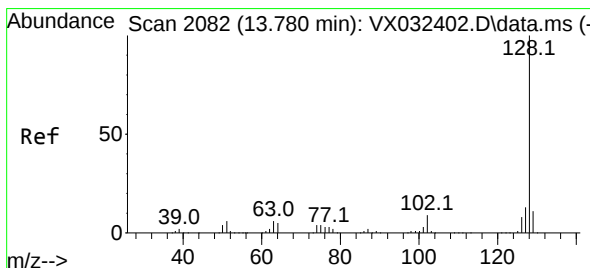
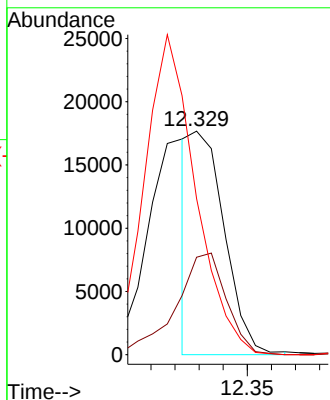
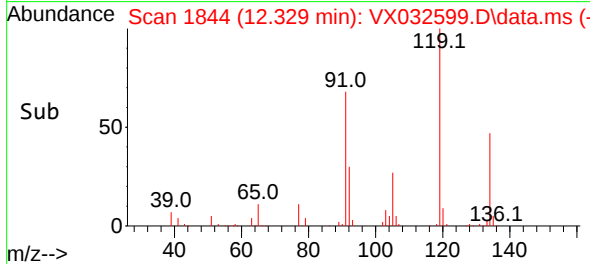
Instrument :
MSVOA_X
ClientSampleId :
MW-2D



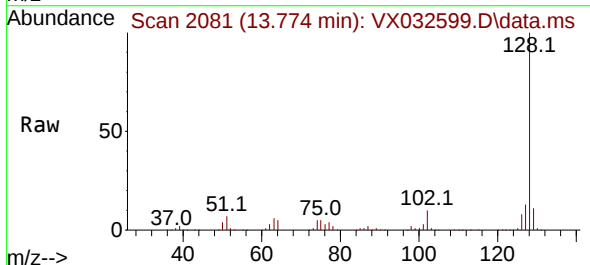
Tgt Ion: 91 Resp: 17308
Ion Ratio Lower Upper
91 100
92 68.1 26.2 78.6
134 213.7 12.9 38.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/07/2022
Supervised By :Mahesh Dadoda 11/07/2022



#95
Naphthalene
Concen: 38.070 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032599.D
Acq: 05 Nov 2022 02:50



Tgt Ion:128 Resp: 296974
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.3 8.9 13.3

