

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
 Data File : VX033155.D
 Acq On : 01 Dec 2022 12:05
 Operator : JC/MD
 Sample : N5815-13 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10

Quant Time: Dec 02 00:49:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/02/2022
 Supervised By : Mahesh Dadoda 12/02/2022

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	139530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222039	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72626	53.486	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.980%			
35) Dibromofluoromethane	5.385	113	57611	46.023	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.040%			
50) Toluene-d8	8.647	98	200659	53.425	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.840%			
62) 4-Bromofluorobenzene	11.079	95	80807	49.143	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.280%			
Target Compounds					Qvalue	
16) Acetone	2.386	43	1458	2.298	ug/l #	88
19) Methyl tert-butyl Ether	3.111	73	29481	6.981	ug/l #	1
22) Diisopropyl ether	3.757	45	1718	0.401	ug/l #	67
25) 2-Butanone	4.593	43	2019	2.307	ug/l	92
31) Cyclohexane	5.470	56	42048	19.098	ug/l	90
39) Methylcyclohexane	7.379	83	28954	12.678	ug/l	89
40) Benzene	6.037	78	68364	12.182	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	3679	2.064	ug/l	98
52) Toluene	8.720	92	14282	3.868	ug/l	98
67) Ethyl Benzene	10.195	91	1072571	151.122	ug/l	100
68) m/p-Xylenes	10.305	106	556055	200.074	ug/l	99
69) o-Xylene	10.640	106	104050	38.693	ug/l	100
73) Isopropylbenzene	10.963	105	142659	17.935	ug/l	99
78) n-propylbenzene	11.305	91	488937	53.761	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	611313	91.483	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	2163649	324.727	ug/l	98
85) sec-Butylbenzene	11.890	105	35458m	4.456	ug/l	
86) p-Isopropyltoluene	12.012	119	12283m	1.822	ug/l	
89) n-Butylbenzene	12.323	91	104868m	18.055	ug/l	
95) Naphthalene	13.774	128	314948	44.247	ug/l	100

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

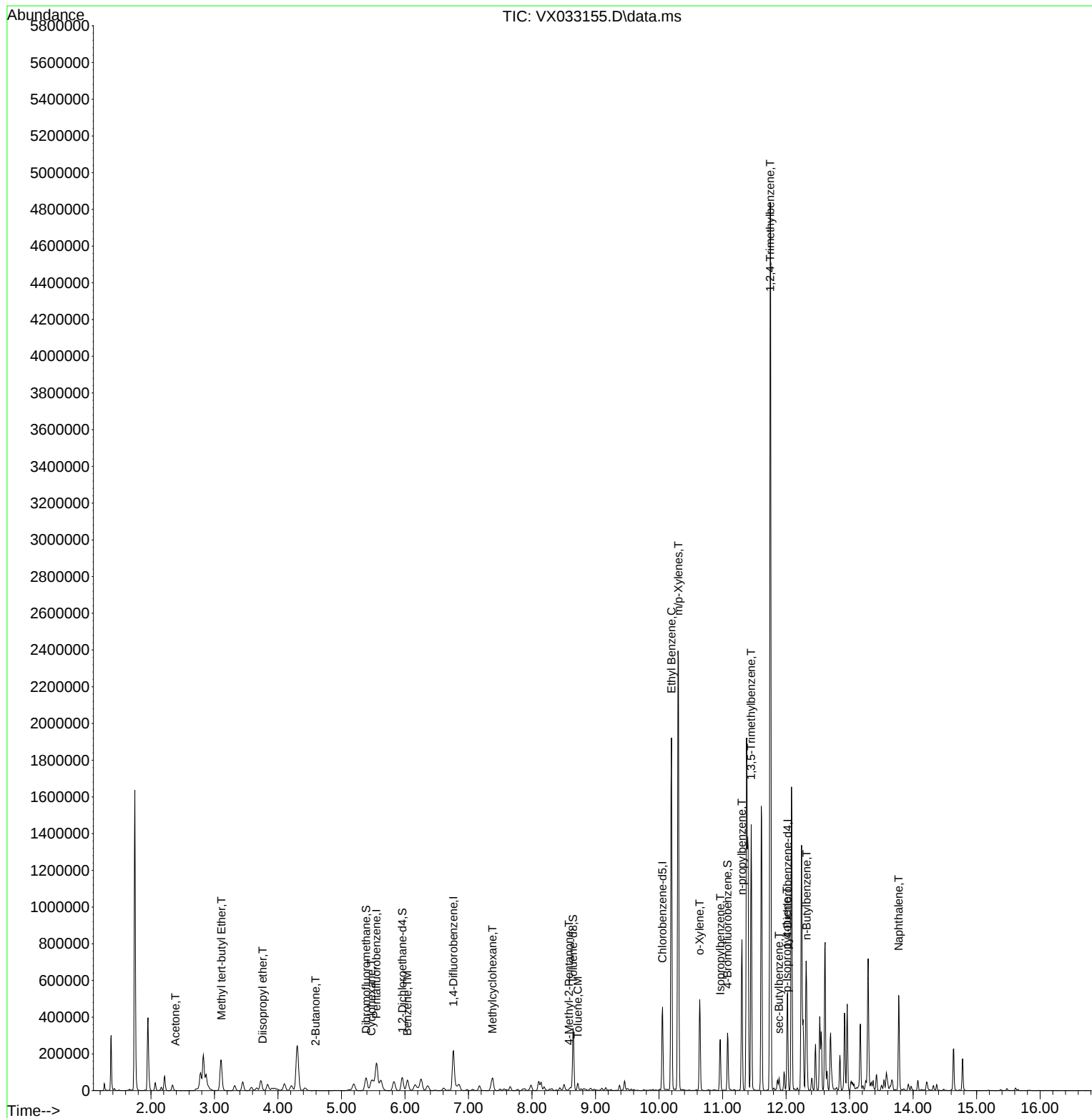
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration

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APPROVED

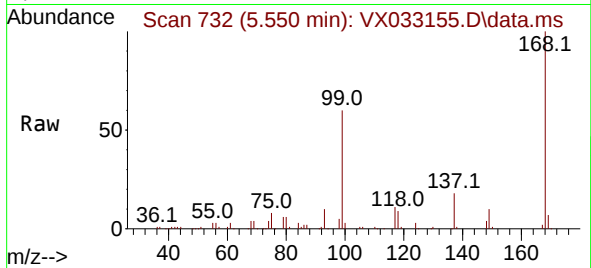
Reviewed By : John Carlone 12/02/2022
Supervised By : Mahesh Dadoda 12/02/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

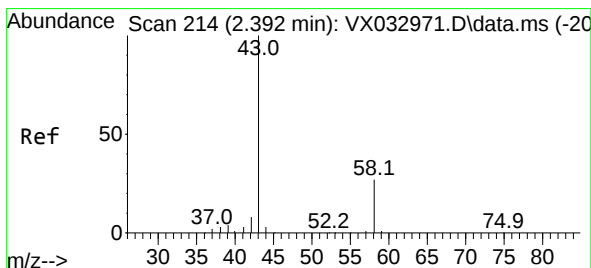
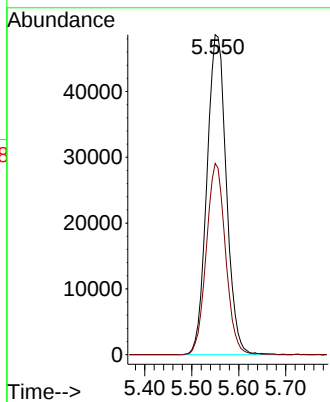
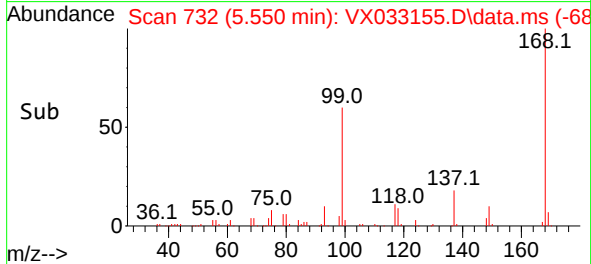
Instrument :
MSVOA_X
Client Sample Id :
MW-10



Tgt Ion:168 Resp: 139530
Ion Ratio Lower Upper
168 100
99 59.8 46.1 69.1

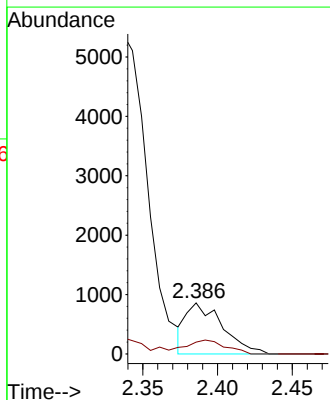
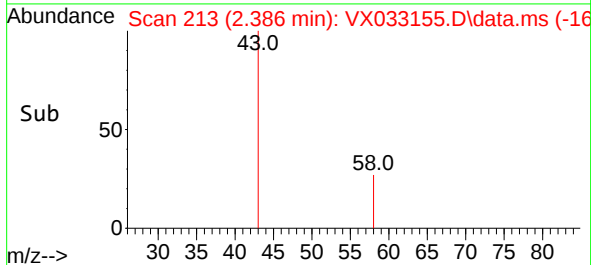
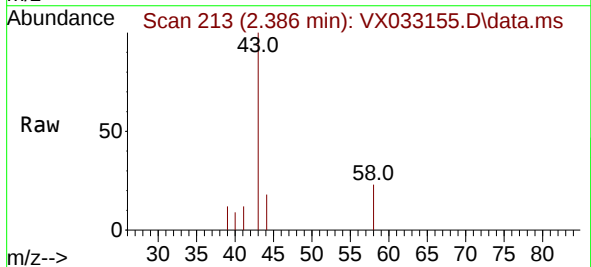
Manual Integrations
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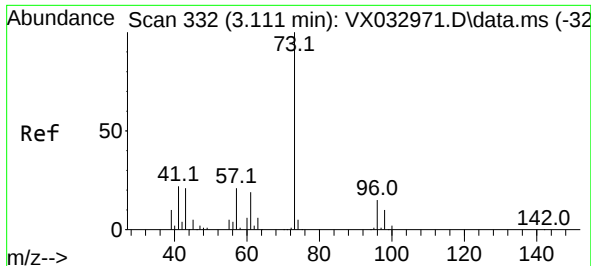
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#16
Acetone
Concen: 2.298 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 23.1 23.8 35.8#





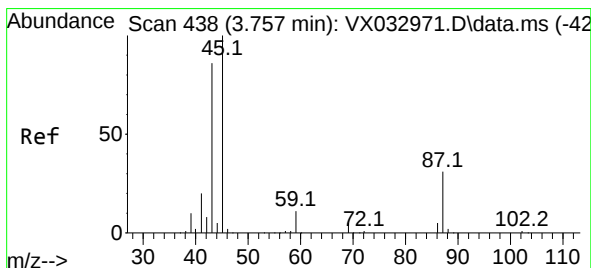
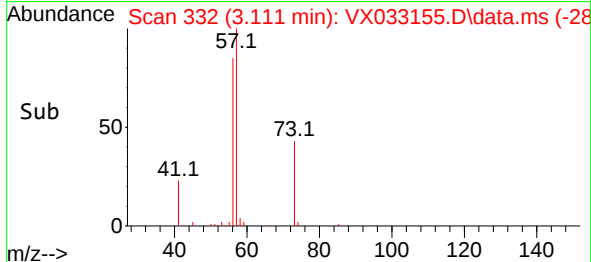
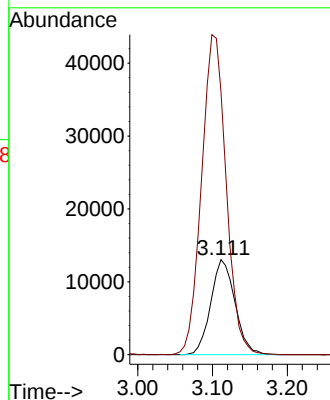
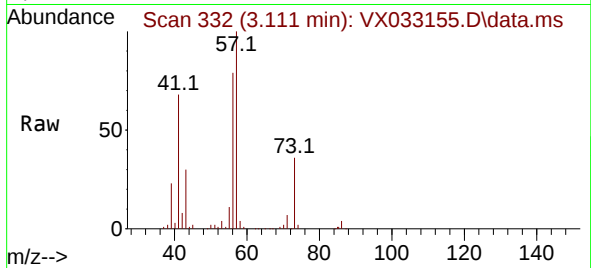
#19
Methyl tert-butyl Ether
Concen: 6.981 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

Instrument :
MSVOA_X
ClientSampleId :
MW-10

Tgt Ion: 73 Resp: 2948
Ion Ratio Lower Upper
73 100
57 276.5 16.6 25.0

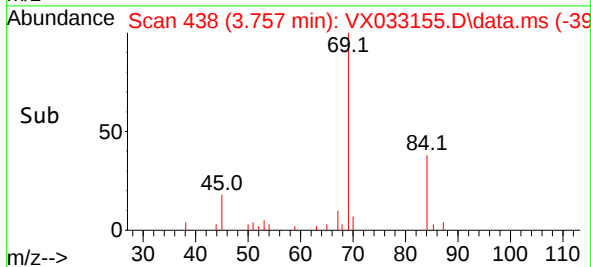
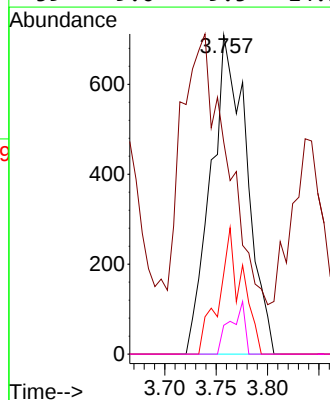
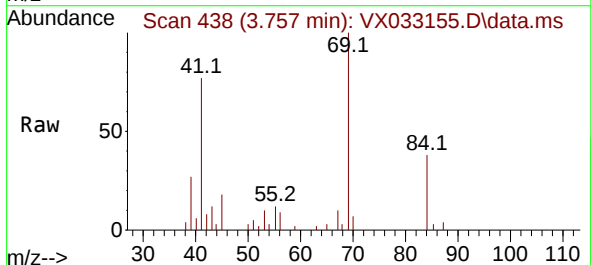
Manual Integrations
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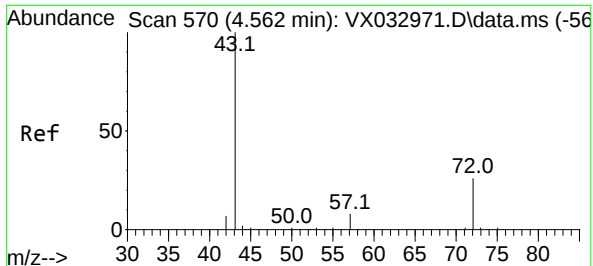
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#22
Diisopropyl ether
Concen: 0.401 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

Tgt Ion: 45 Resp: 1718
Ion Ratio Lower Upper
45 100
43 31.3 56.4 84.6#
87 25.2 24.4 36.6
59 9.0 9.5 14.3#





#25

2-Butanone

Concen: 2.307 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX033155.D

Acq: 01 Dec 2022 12:05

Instrument :

MSVOA_X

ClientSampleId :

MW-10

Tgt Ion: 43 Resp: 2019

Ion Ratio Lower Upper

43 100

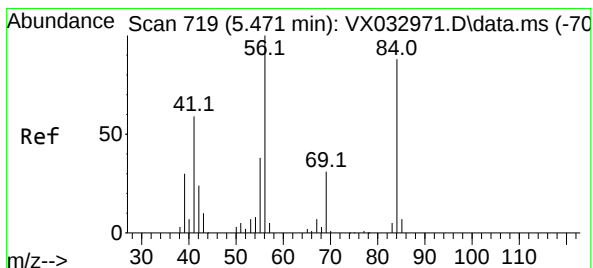
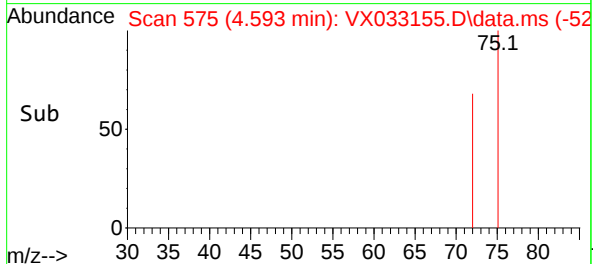
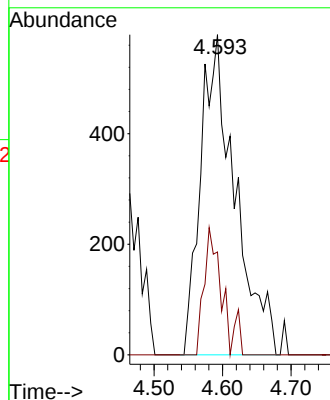
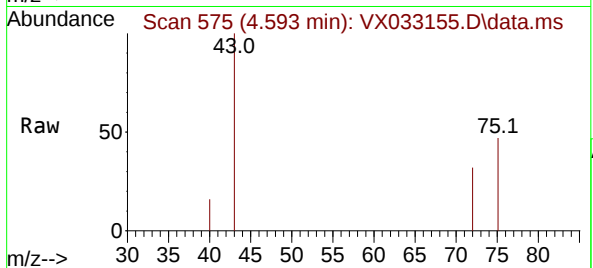
72 32.1 22.2 33.2

Manual Integrations

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#31

Cyclohexane

Concen: 19.098 ug/l

RT: 5.470 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX033155.D

Acq: 01 Dec 2022 12:05

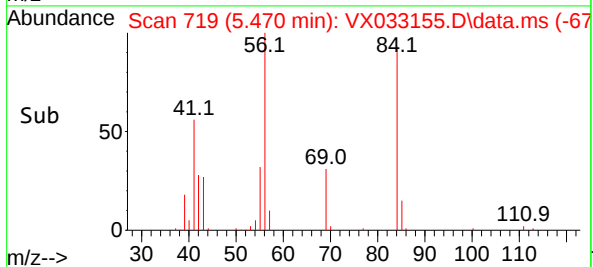
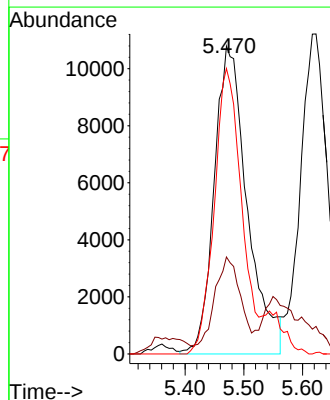
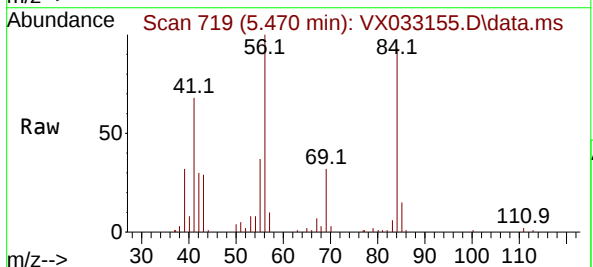
Tgt Ion: 56 Resp: 42048

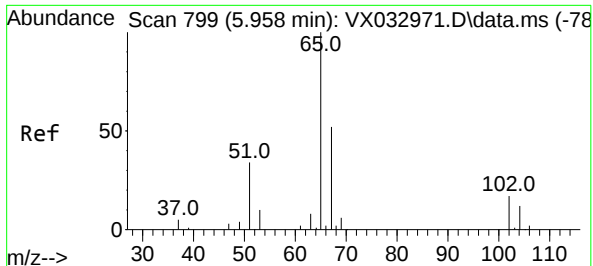
Ion Ratio Lower Upper

56 100

69 27.1 24.1 36.1

84 93.5 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 53.486 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033155.D

Acq: 01 Dec 2022 12:05

Instrument :

MSVOA_X

ClientSampleId :

MW-10

Tgt Ion: 65 Resp: 72620

Ion Ratio Lower Upper

65 100

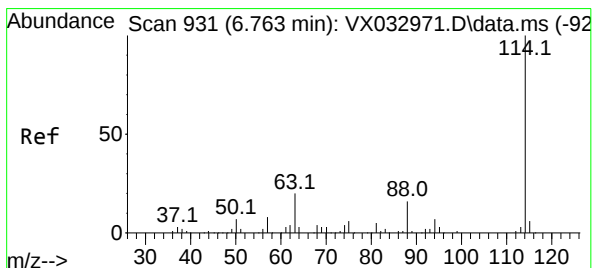
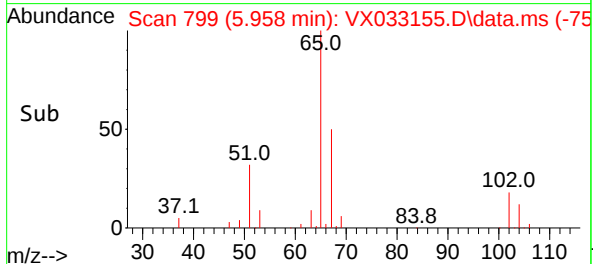
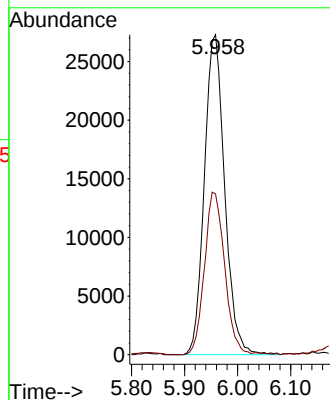
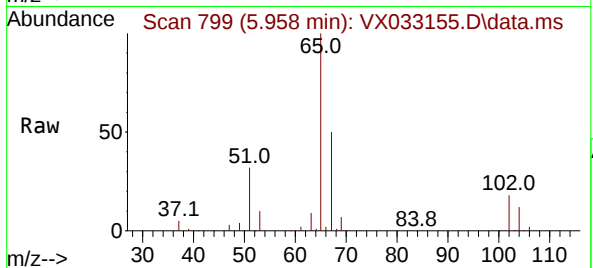
67 50.6 0.0 101.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/02/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033155.D

Acq: 01 Dec 2022 12:05

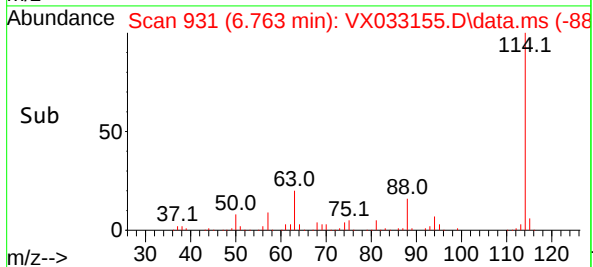
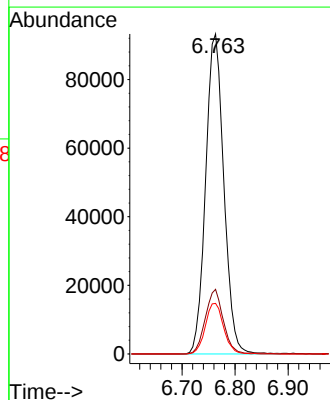
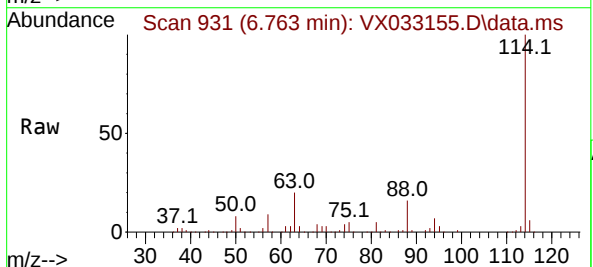
Tgt Ion:114 Resp: 222039

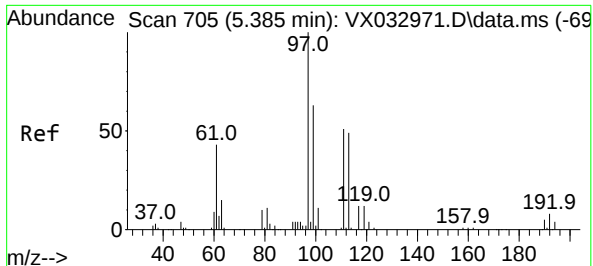
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

88 15.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.023 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033155.D

Acq: 01 Dec 2022 12:05

Instrument :

MSVOA_X

ClientSampleId :

MW-10

Tgt Ion:113 Resp: 5761

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

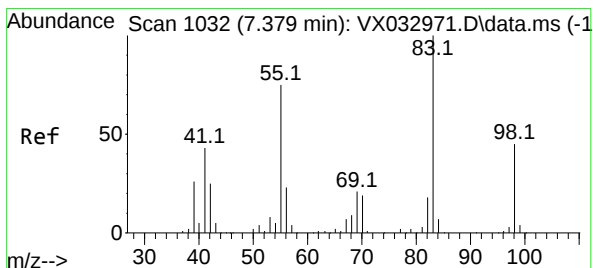
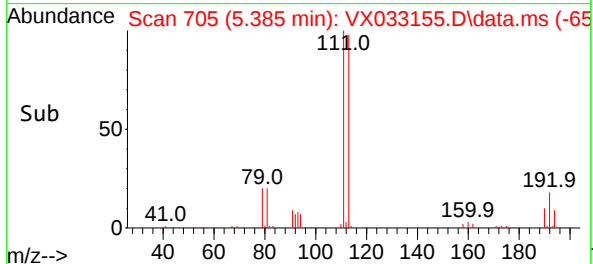
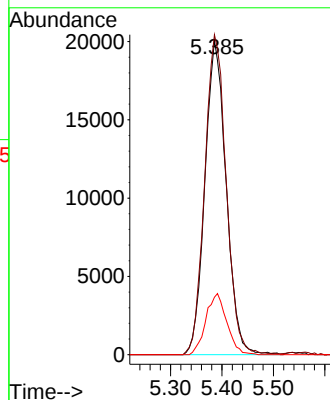
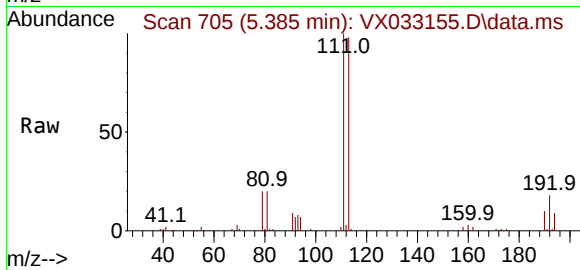
192 19.2 15.4 23.2

Manual Integrations

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Reviewed By :John Carlone 12/02/2022

Supervised By :Mahesh Dadoda 12/02/2022



#39

Methylcyclohexane

Concen: 12.678 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX033155.D

Acq: 01 Dec 2022 12:05

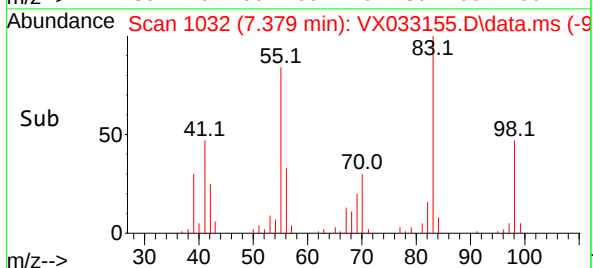
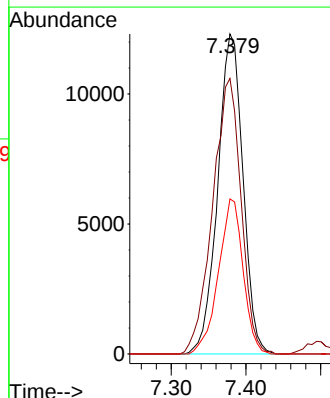
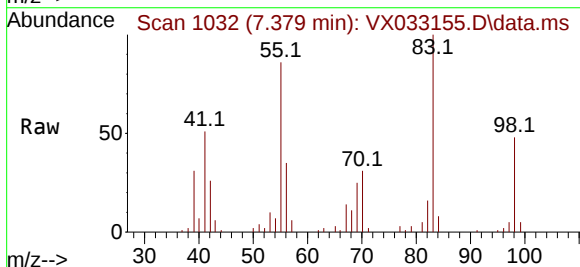
Tgt Ion: 83 Resp: 28954

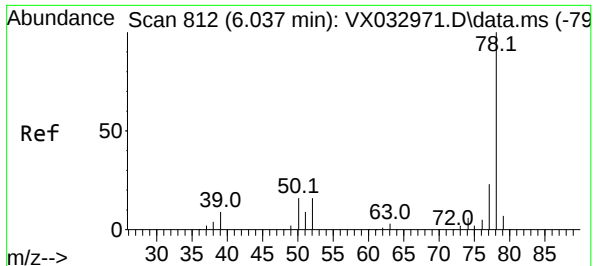
Ion Ratio Lower Upper

83 100

55 86.1 58.4 87.6

98 48.5 37.2 55.8





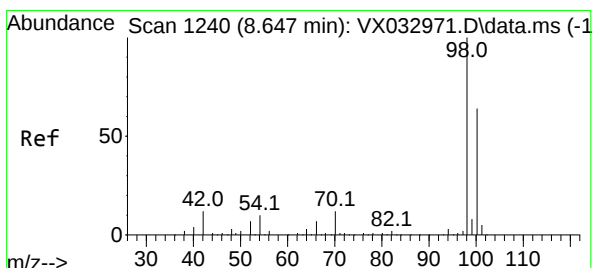
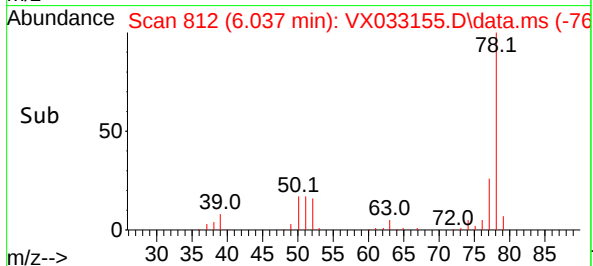
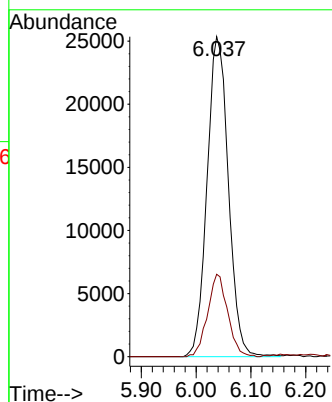
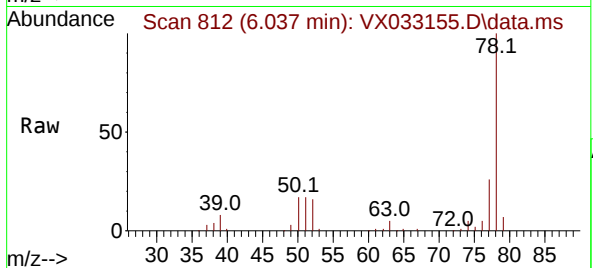
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Benzene
Concen: 12.182 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

Instrument :
MSVOA_X
ClientSampleId :
MW-10

Tgt Ion: 78 Resp: 68364
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.4

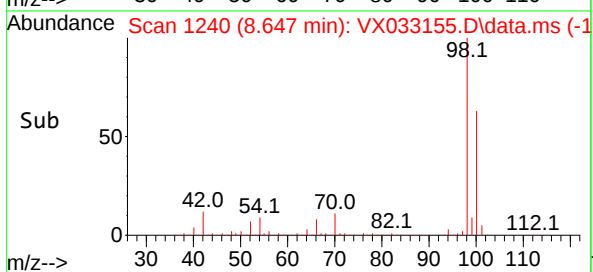
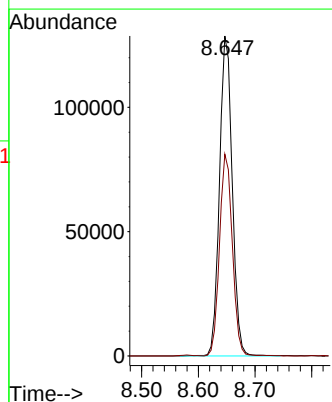
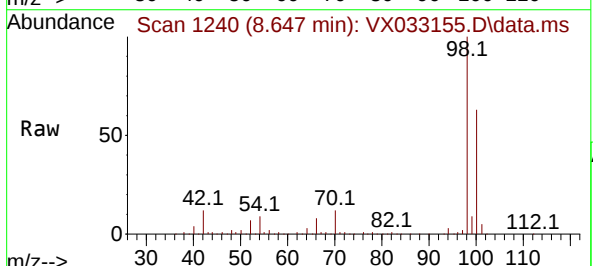
Manual Integrations
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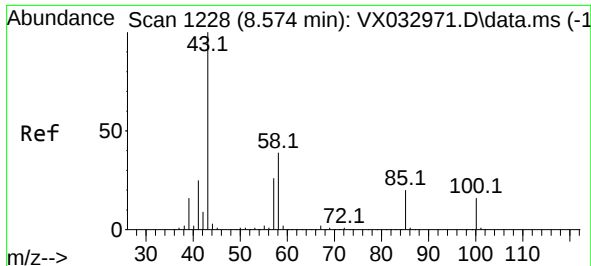
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#50
Toluene-d8
Concen: 53.425 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

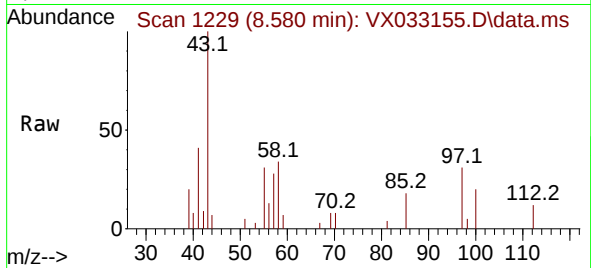
Tgt Ion: 98 Resp: 200659
Ion Ratio Lower Upper
98 100
100 63.4 50.9 76.3





#51
4-Methyl-2-Pentanone
Concen: 2.064 ug/l
RT: 8.580 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

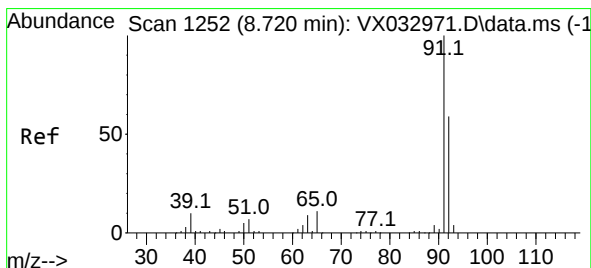
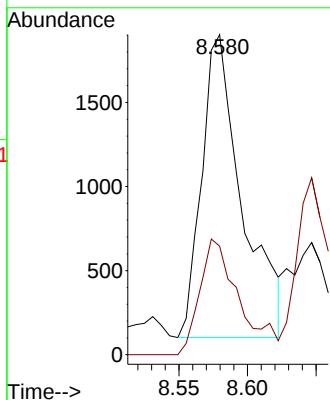
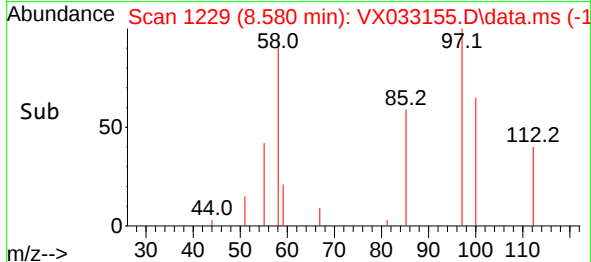
Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion: 43 Resp: 3679
Ion Ratio Lower Upper
43 100
58 37.5 30.9 46.3

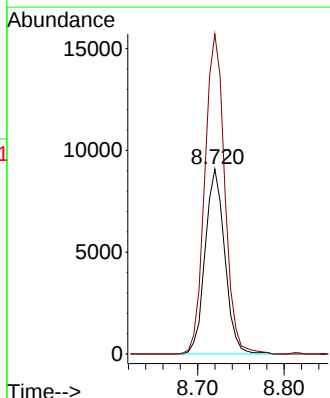
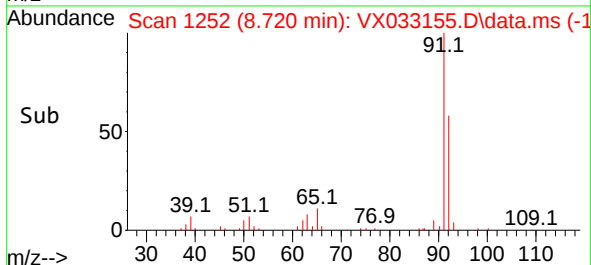
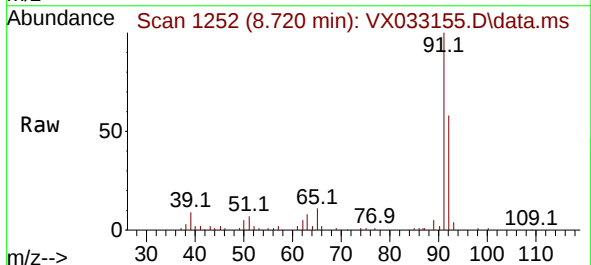
Manual Integrations
APPROVED

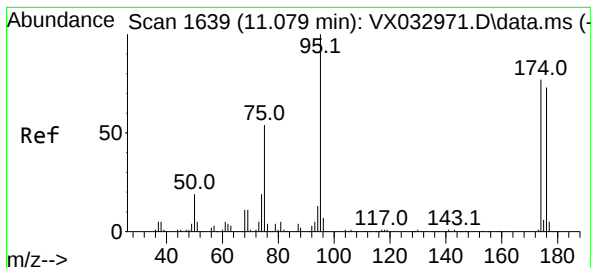
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#52
Toluene
Concen: 3.868 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

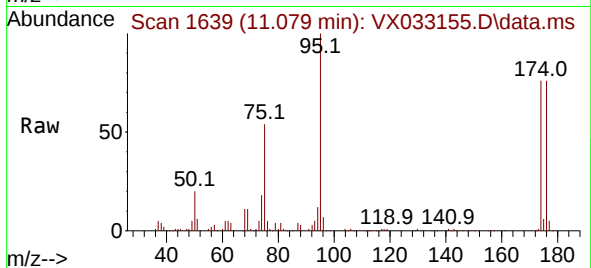
Tgt Ion: 92 Resp: 14282
Ion Ratio Lower Upper
92 100
91 175.8 138.3 207.5





#62
4-Bromofluorobenzene
Concen: 49.143 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

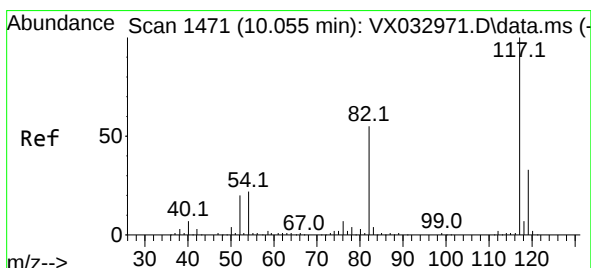
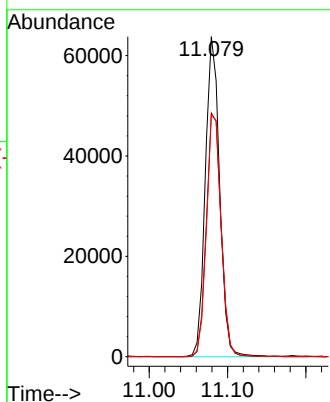
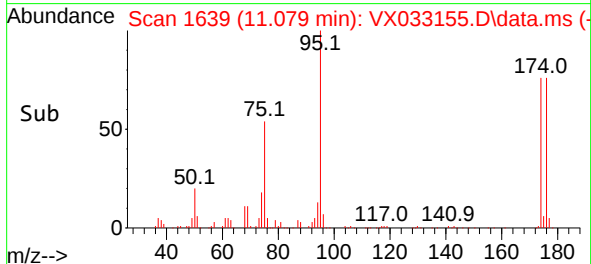
Instrument :
MSVOA_X
ClientSampleId :
MW-10



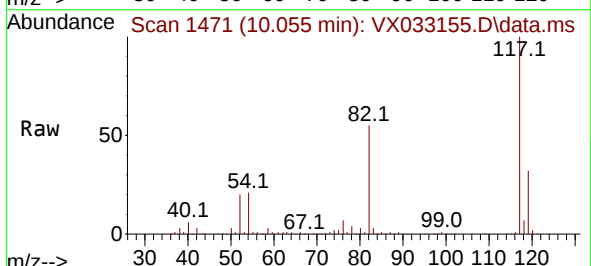
Tgt Ion: 95 Resp: 8080
Ion Ratio Lower Upper
95 100
174 78.4 0.0 164.0
176 77.4 0.0 154.4

Manual Integrations
APPROVED

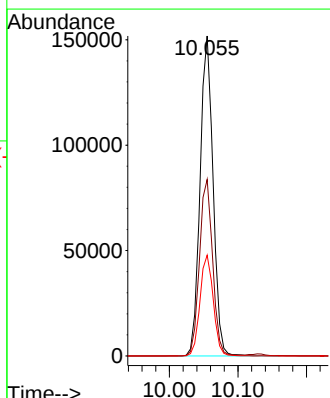
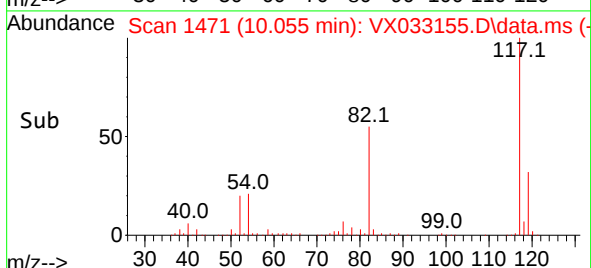
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022

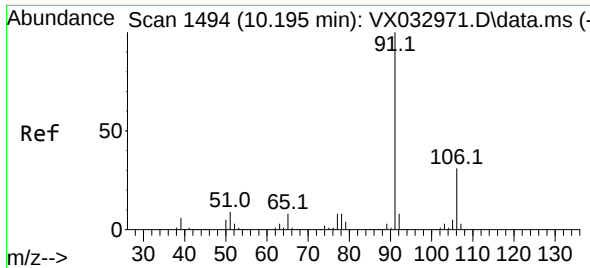


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05



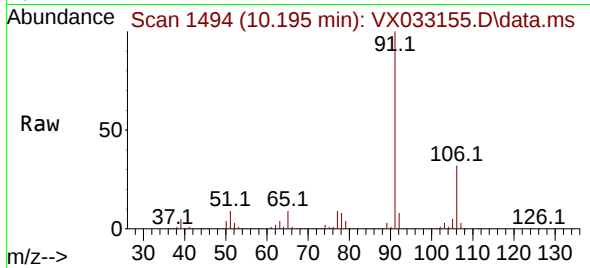
Tgt Ion:117 Resp: 200681
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 31.5 25.7 38.5





#67
Ethyl Benzene
Concen: 151.122 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

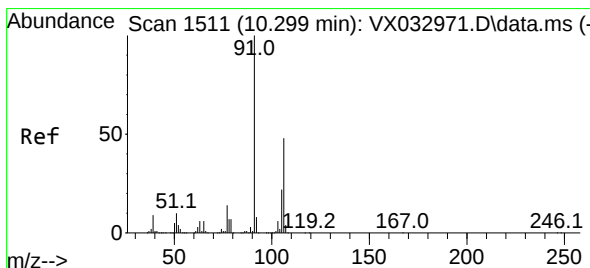
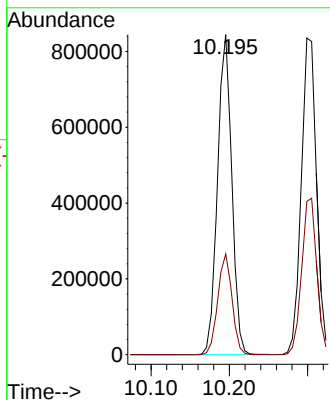
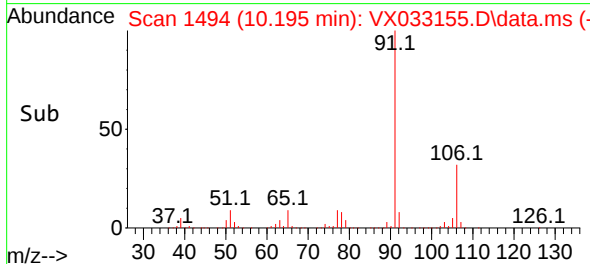
Instrument :
MSVOA_X
ClientSampleId :
MW-10



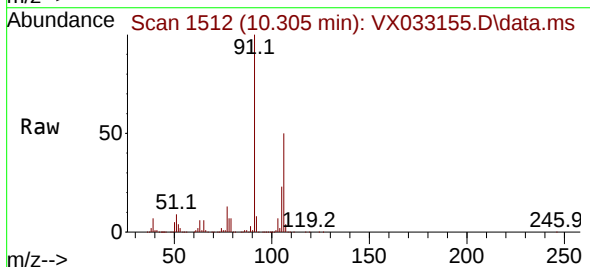
Tgt Ion: 91 Resp: 107257
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

Manual Integrations
APPROVED

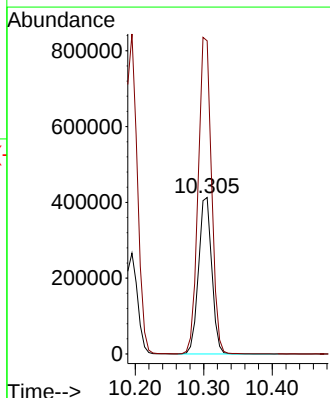
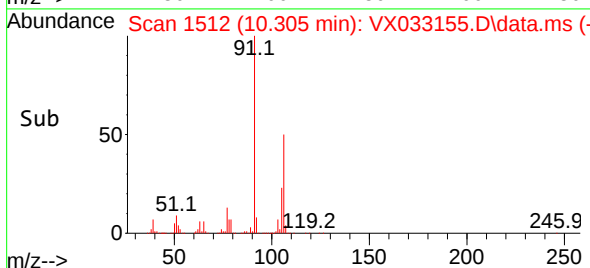
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022

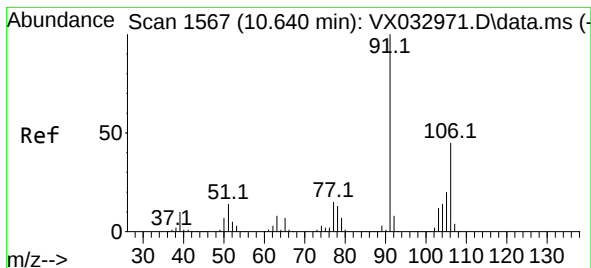


#68
m/p-Xylenes
Concen: 200.074 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05



Tgt Ion:106 Resp: 556055
Ion Ratio Lower Upper
106 100
91 203.9 164.5 246.7





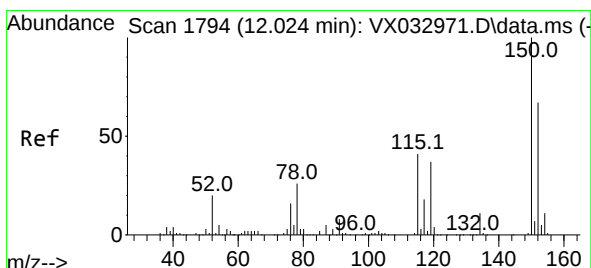
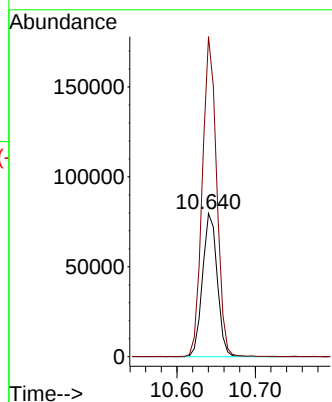
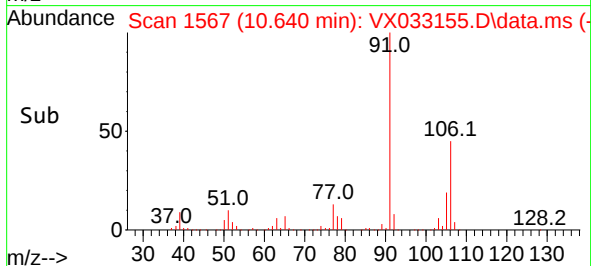
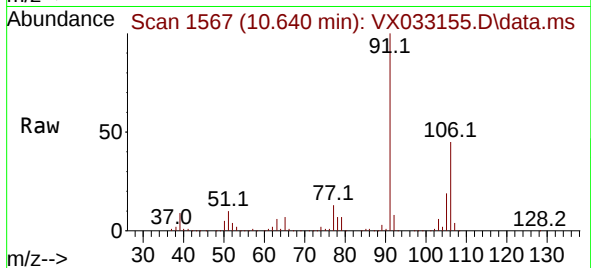
#69
o-Xylene
Concen: 38.693 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

Instrument :
MSVOA_X
ClientSampleId :
MW-10

Tgt Ion:106 Resp: 104050
Ion Ratio Lower Upper
106 100
91 217.8 109.2 327.6

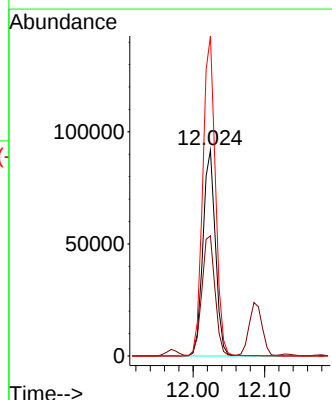
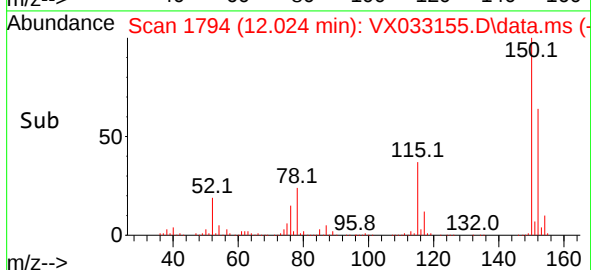
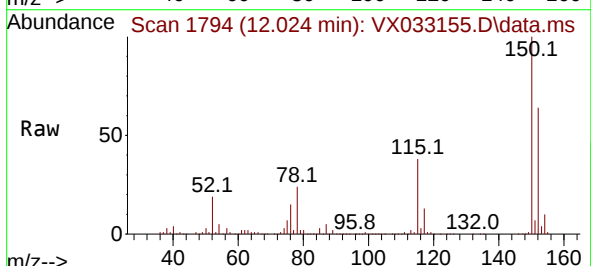
Manual Integrations
APPROVED

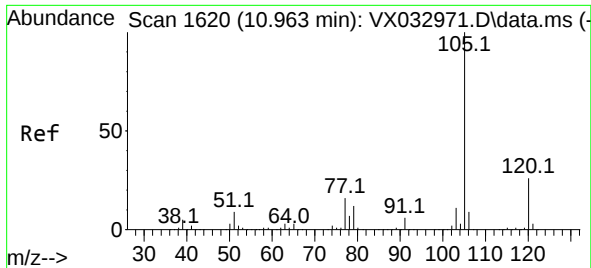
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

Tgt Ion:152 Resp: 111314
Ion Ratio Lower Upper
152 100
115 61.1 44.0 132.0
150 157.4 0.0 351.8





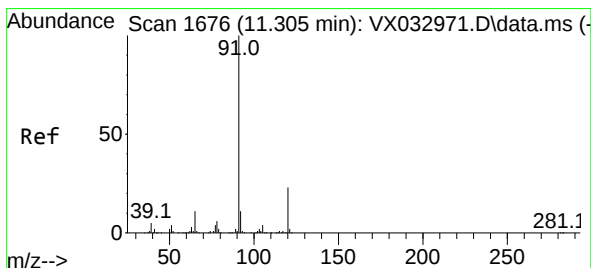
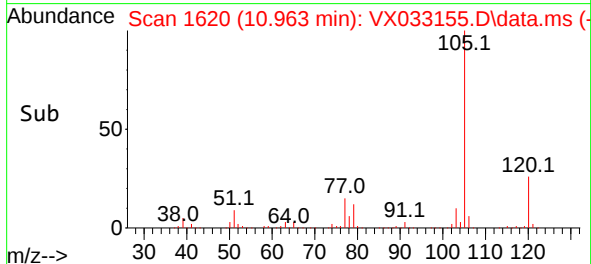
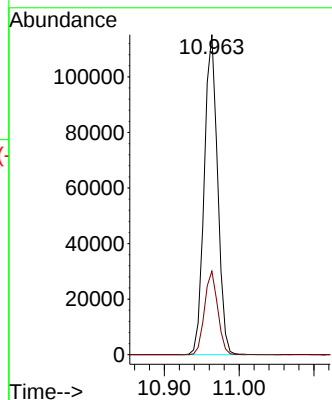
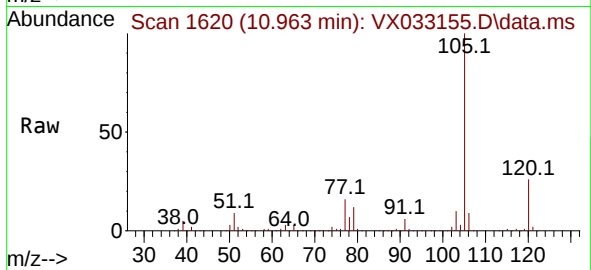
#73
Isopropylbenzene
Concen: 17.935 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

Instrument :
MSVOA_X
ClientSampleId :
MW-10

Tgt Ion:105 Resp: 142659
Ion Ratio Lower Upper
105 100
120 25.7 13.1 39.3

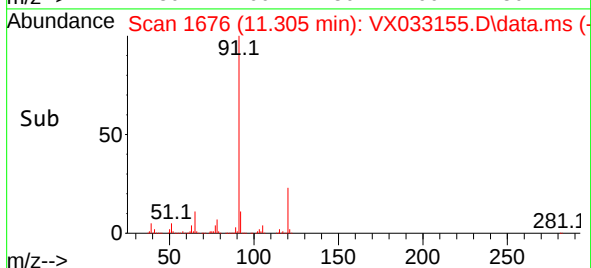
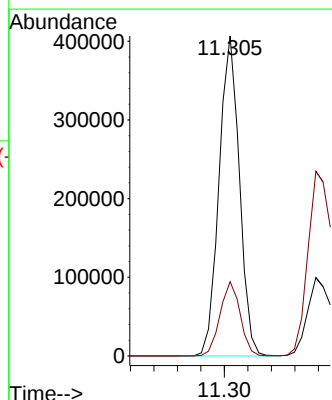
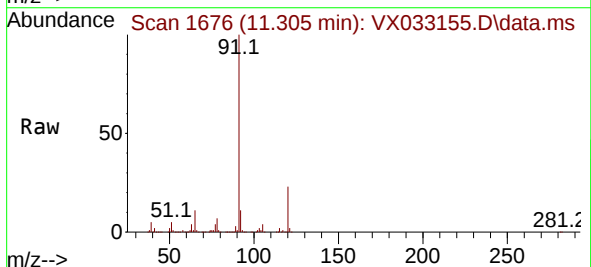
Manual Integrations
APPROVED

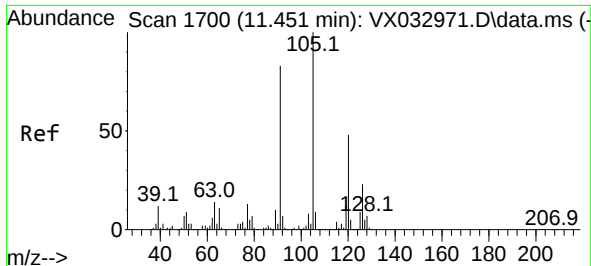
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#78
n-propylbenzene
Concen: 53.761 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

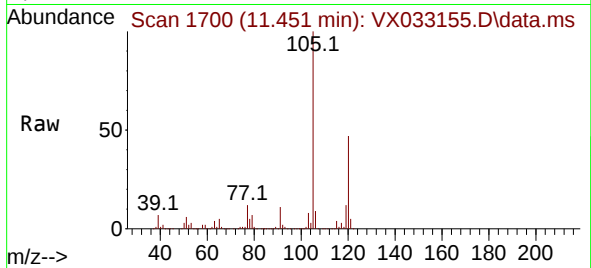
Tgt Ion: 91 Resp: 488937
Ion Ratio Lower Upper
91 100
120 23.0 11.6 34.8





#80
1,3,5-Trimethylbenzene
Concen: 91.483 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

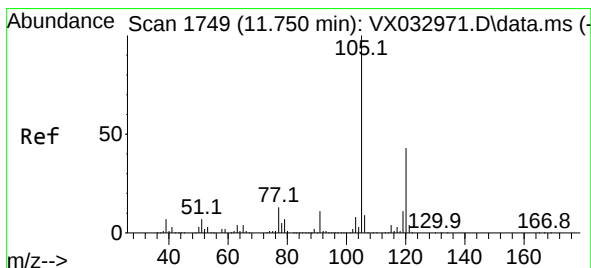
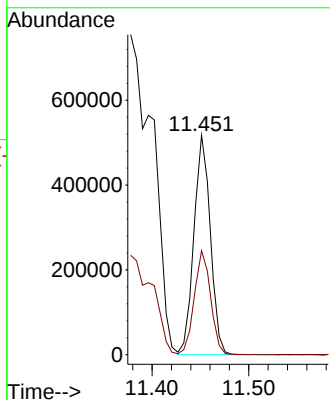
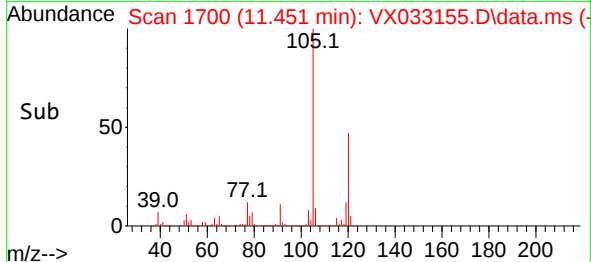
Instrument :
MSVOA_X
ClientSampleId :
MW-10



Tgt Ion:105 Resp: 611311
Ion Ratio Lower Upper
105 100
120 47.2 23.6 71.0

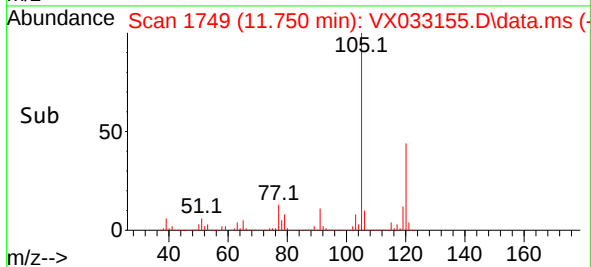
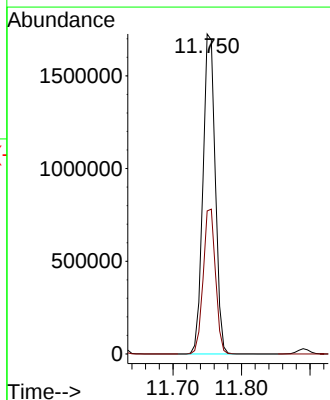
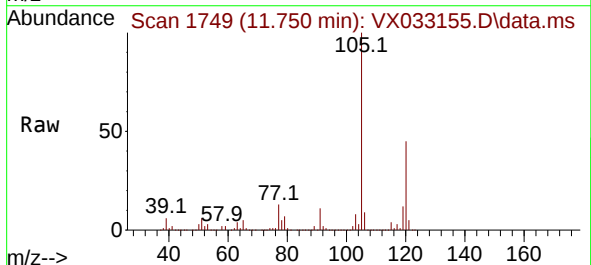
Manual Integrations
APPROVED

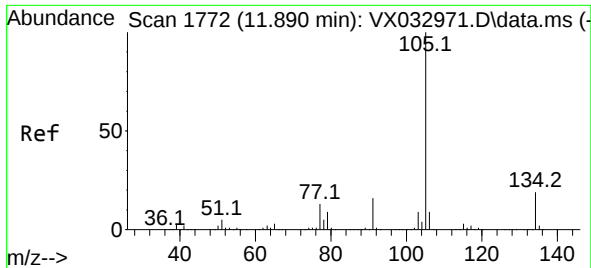
Reviewed By :John Carlone 12/02/2022
Supervised By :Mahesh Dadoda 12/02/2022



#84
1,2,4-Trimethylbenzene
Concen: 324.727 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX033155.D
Acq: 01 Dec 2022 12:05

Tgt Ion:105 Resp: 2163649
Ion Ratio Lower Upper
105 100
120 45.2 21.9 65.5





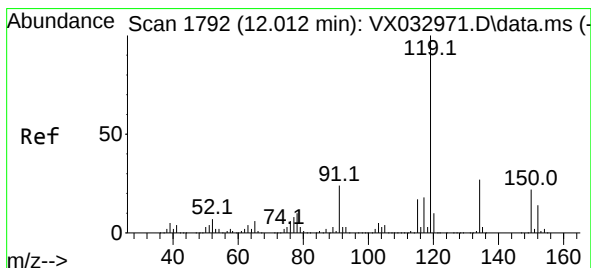
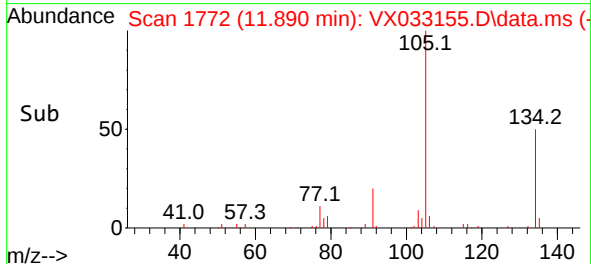
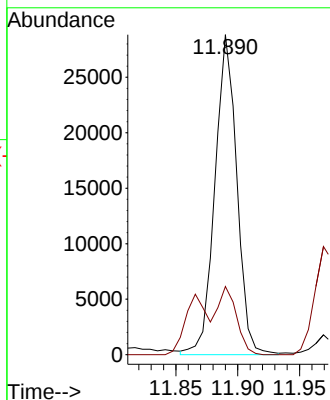
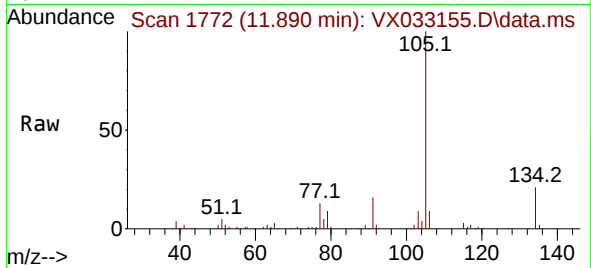
#85
 sec-Butylbenzene
 Concen: 4.456 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033155.D
 Acq: 01 Dec 2022 12:05

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10

Tgt Ion:105 Resp: 3545
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7

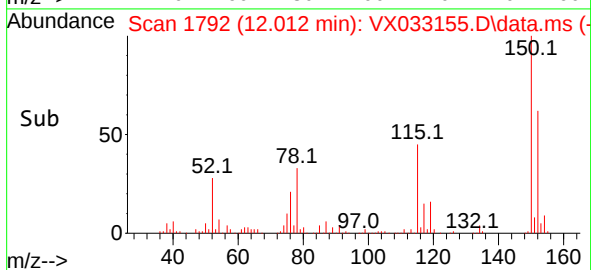
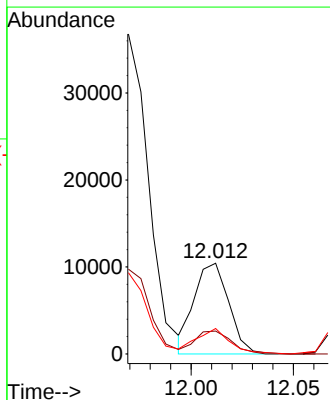
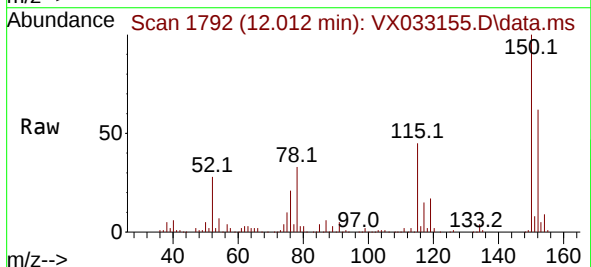
Manual Integrations
 APPROVED

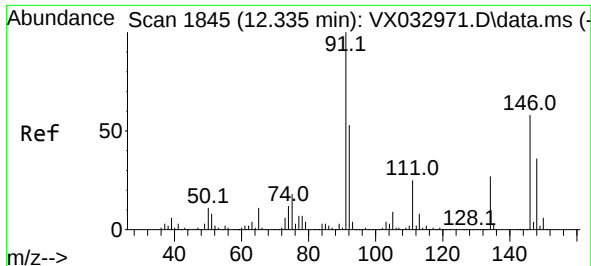
Reviewed By :John Carlone 12/02/2022
 Supervised By :Mahesh Dadoda 12/02/2022



#86
 p-Isopropyltoluene
 Concen: 1.822 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX033155.D
 Acq: 01 Dec 2022 12:05

Tgt Ion:119 Resp: 12283
 Ion Ratio Lower Upper
 119 100
 134 97.9 12.9 38.7#
 91 90.4 12.5 37.5#





#89

n-Butylbenzene

Concen: 18.055 ug/l m

RT: 12.323 min Scan# 1

Delta R.T. -0.012 min

Lab File: VX033155.D

Acq: 01 Dec 2022 12:05

Instrument :

MSVOA_X

ClientSampleId :

MW-10

Tgt Ion: 91 Resp: 10486

Ion Ratio Lower Upper

91 100

92 30.3 26.2 78.6

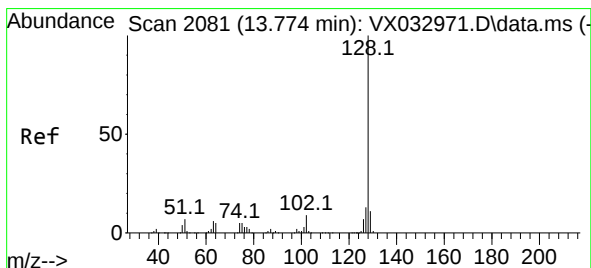
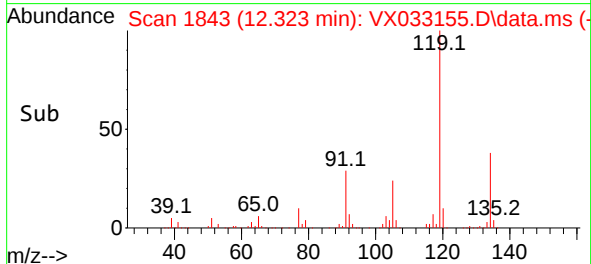
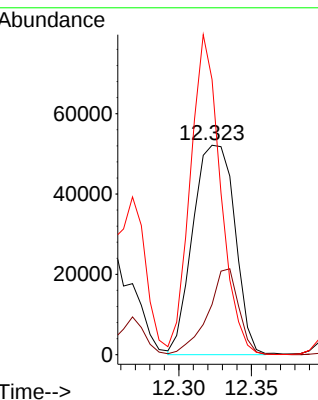
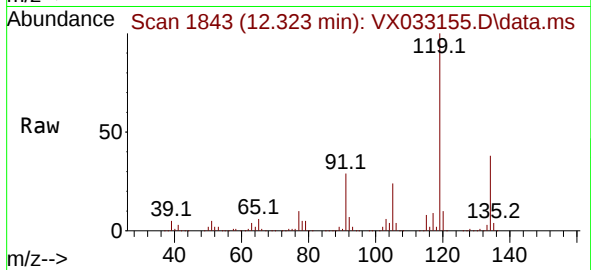
134 109.4 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2022

Supervised By :Mahesh Dadoda 12/02/2022



#95

Naphthalene

Concen: 44.247 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX033155.D

Acq: 01 Dec 2022 12:05

Tgt Ion:128 Resp: 314948

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.1 8.9 13.3

