

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033136.D
 Acq On : 30 Nov 2022 16:51
 Operator : JC/MD
 Sample : N5815-21 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-3R

Quant Time: Dec 01 00:22:12 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 12/01/2022
 Supervised By :Mahesh Dadoda 12/01/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	148962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	236943	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78426	54.139	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.280%			
35) Dibromofluoromethane	5.391	113	61433	45.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.980%			
50) Toluene-d8	8.647	98	212045	52.883	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.760%			
62) 4-Bromofluorobenzene	11.079	95	83343	47.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.000%			
Target Compounds					Qvalue	
16) Acetone	2.398	43	17136	25.293	ug/l	99
25) 2-Butanone	4.574	43	20245	21.671	ug/l	100
31) Cyclohexane	5.477	56	42660	18.149	ug/l #	96
39) Methylcyclohexane	7.379	83	28664	11.762	ug/l #	89
40) Benzene	6.038	78	102909	17.184	ug/l	100
52) Toluene	8.720	92	9471	2.404	ug/l	96
59) 2-Hexanone	9.433	43	3988	2.839	ug/l	97
67) Ethyl Benzene	10.195	91	895734	118.072	ug/l	99
68) m/p-Xylenes	10.305	106	245128	82.514	ug/l	99
69) o-Xylene	10.640	106	33936	11.806	ug/l	96
73) Isopropylbenzene	10.964	105	77762	9.546	ug/l	99
78) n-propylbenzene	11.305	91	257839	27.684	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	69056	10.091	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	914197	133.980	ug/l	99
85) sec-Butylbenzene	11.890	105	14315m	1.757	ug/l	
86) p-Isopropyltoluene	12.012	119	5400	0.782	ug/l #	72
89) n-Butylbenzene	12.335	91	27162	4.566	ug/l #	69
95) Naphthalene	13.774	128	189739	26.030	ug/l	100

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

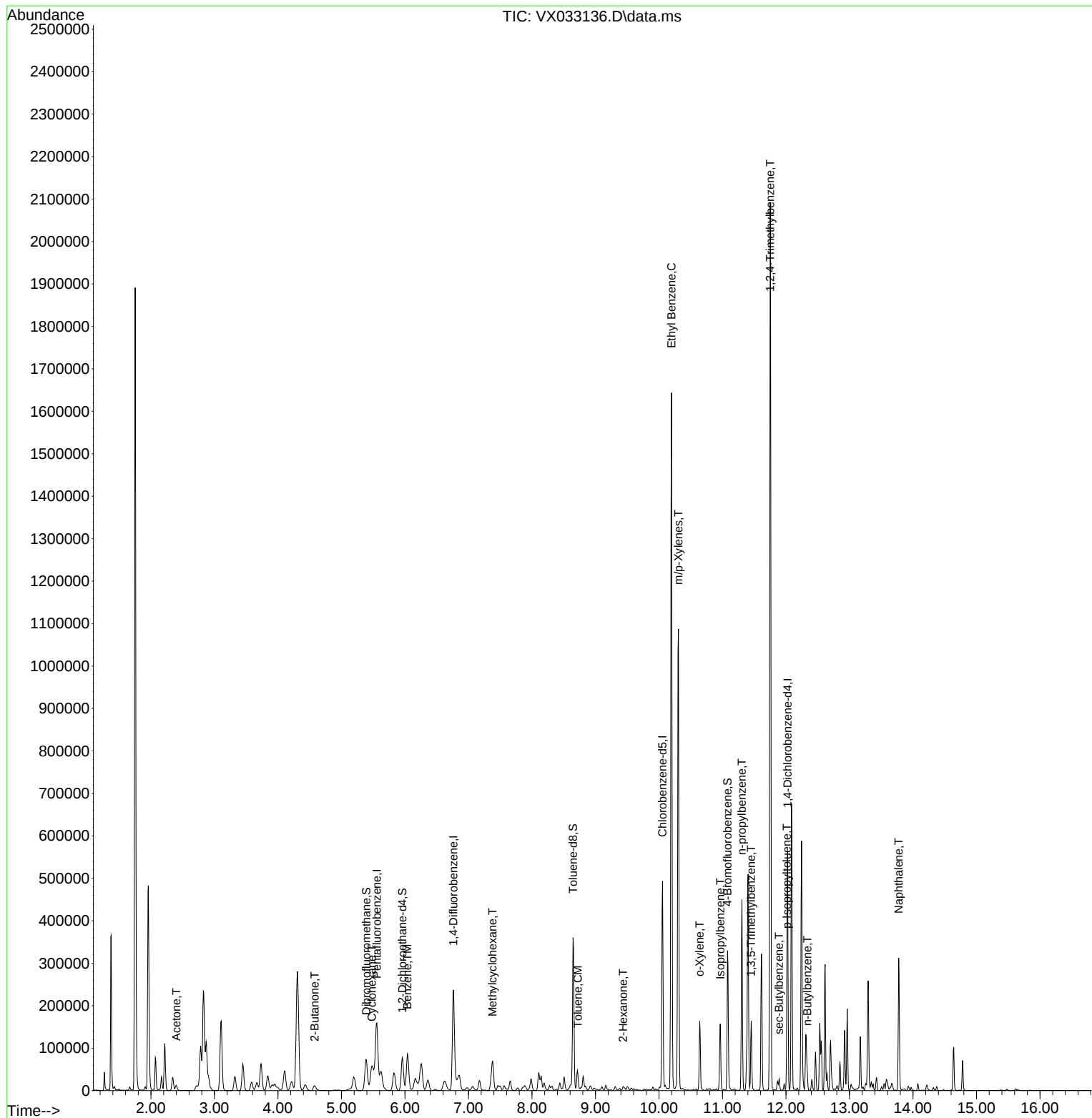
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
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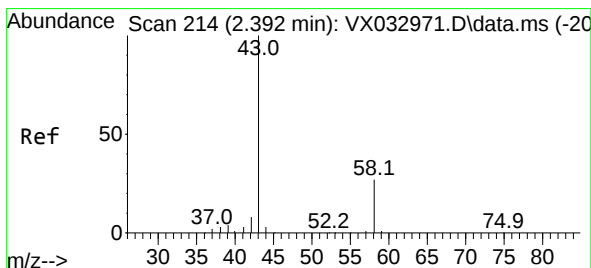
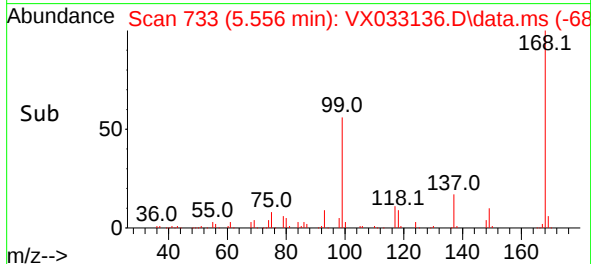
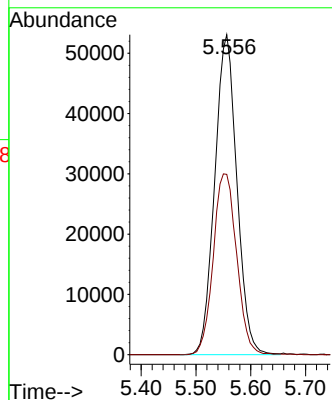
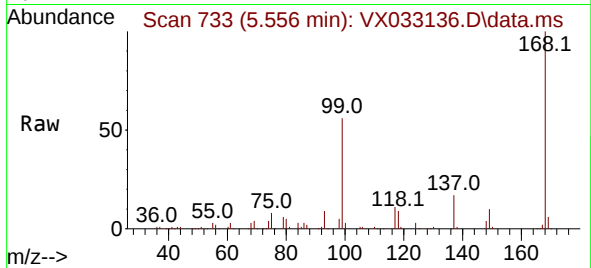
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion:168 Resp: 148962
Ion Ratio Lower Upper
168 100
99 56.3 46.1 69.1

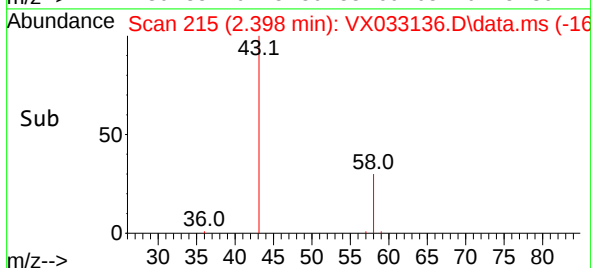
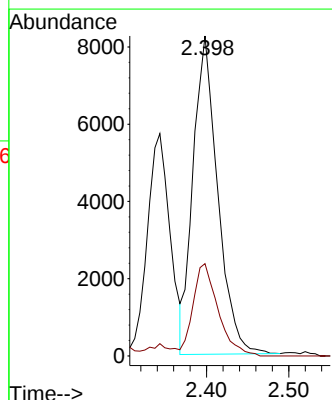
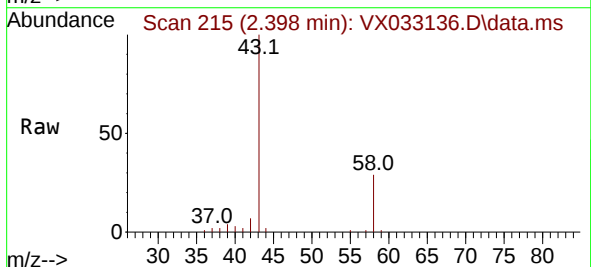
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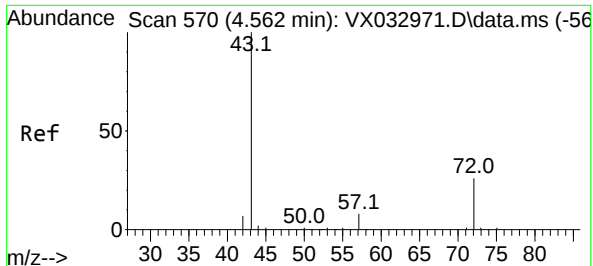
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#16
Acetone
Concen: 25.293 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.018 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

Tgt Ion: 43 Resp: 17136
Ion Ratio Lower Upper
43 100
58 29.1 23.8 35.8





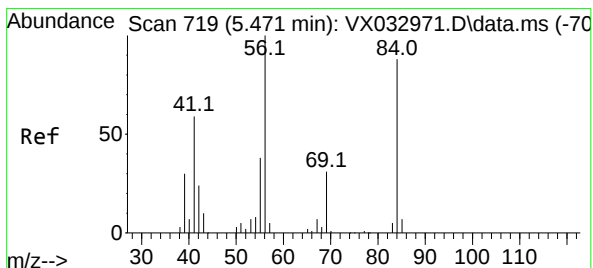
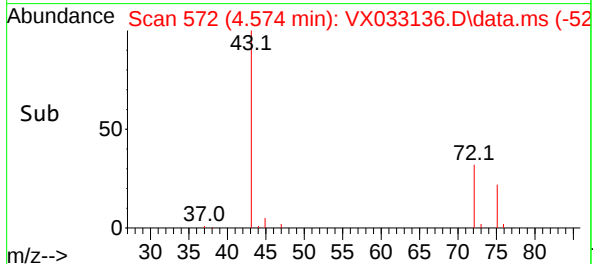
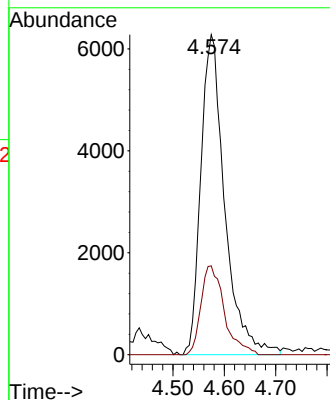
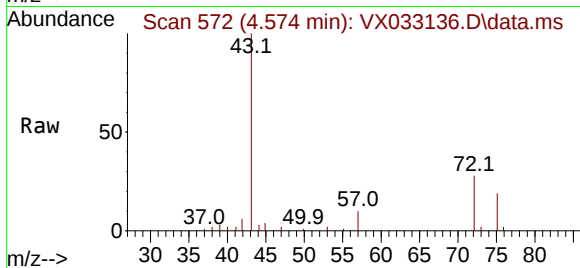
#25
2-Butanone
Concen: 21.671 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion: 43 Resp: 2024
Ion Ratio Lower Upper
43 100
72 27.8 22.2 33.2

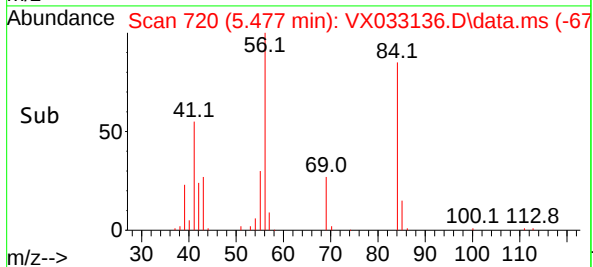
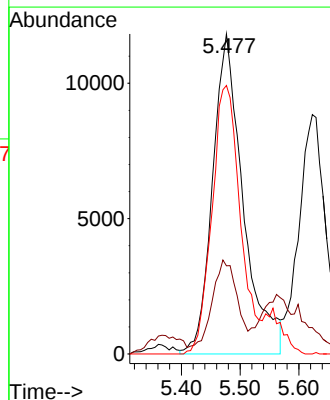
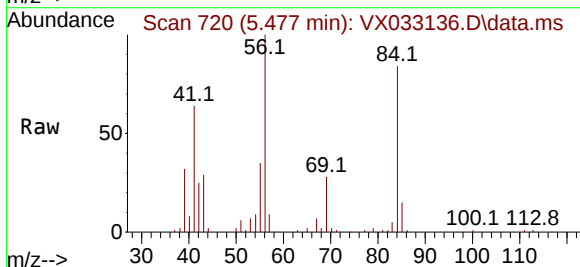
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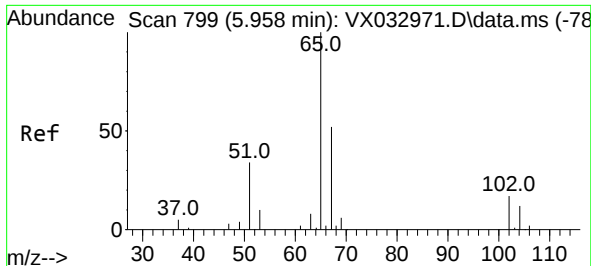
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#31
Cyclohexane
Concen: 18.149 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.007 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

Tgt Ion: 56 Resp: 42660
Ion Ratio Lower Upper
56 100
69 23.2 24.1 36.1#
84 84.8 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 54.139 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033136.D

Acq: 30 Nov 2022 16:51

Instrument :

MSVOA_X

ClientSampleId :

PZ-3R

Tgt Ion: 65 Resp: 78420

Ion Ratio Lower Upper

65 100

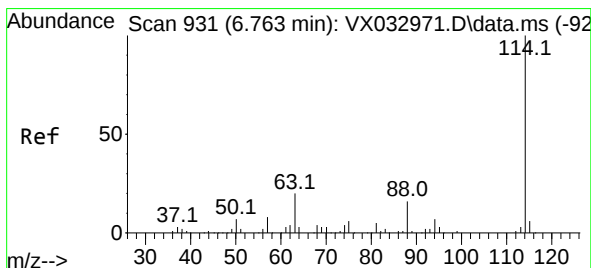
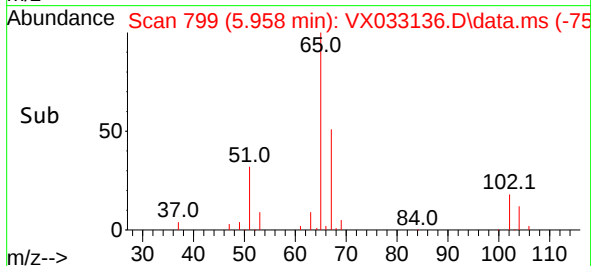
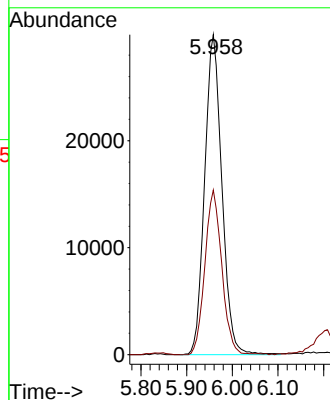
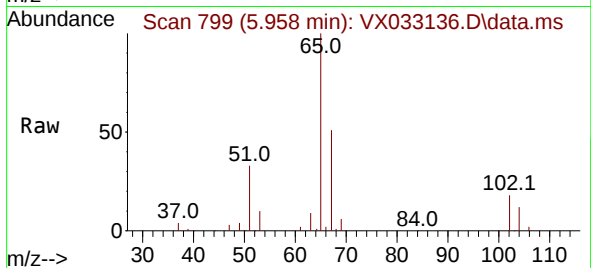
67 50.6 0.0 101.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033136.D

Acq: 30 Nov 2022 16:51

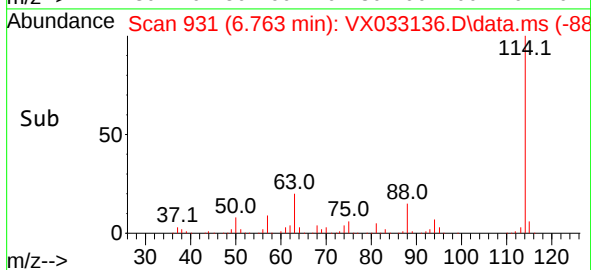
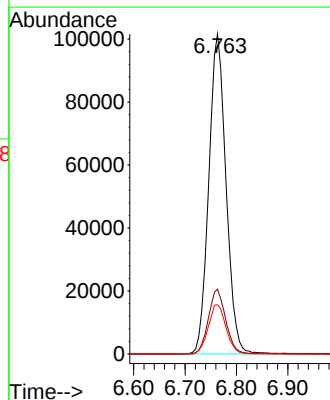
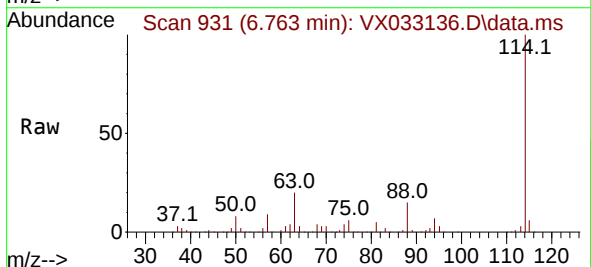
Tgt Ion:114 Resp: 236943

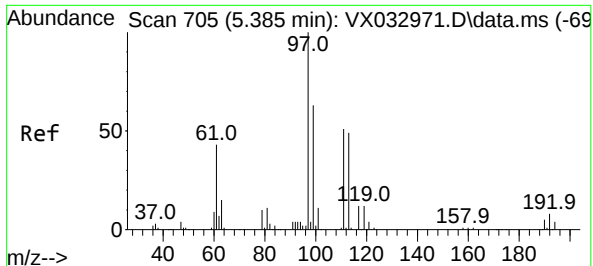
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

88 15.3 0.0 33.4





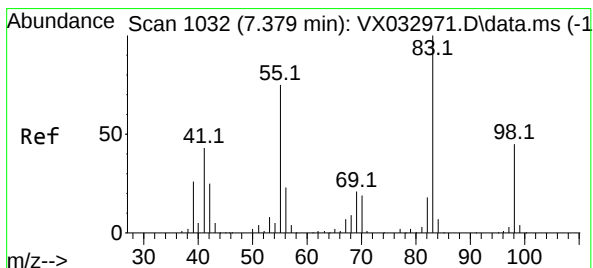
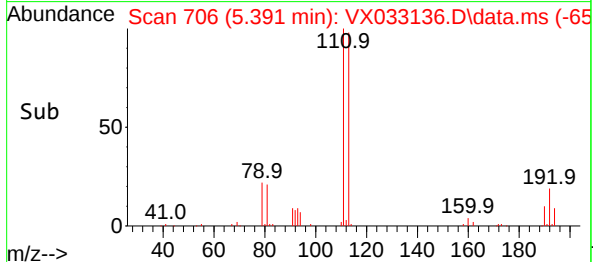
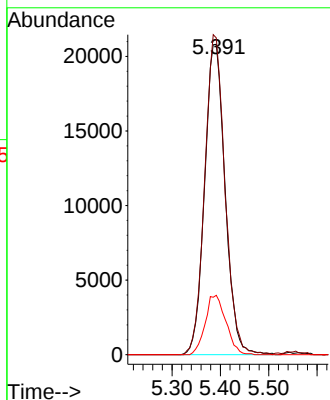
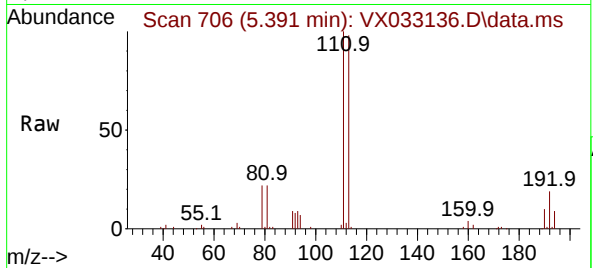
#35
Dibromofluoromethane
Concen: 45.990 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion:113 Resp: 61438
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 19.3 15.4 23.2

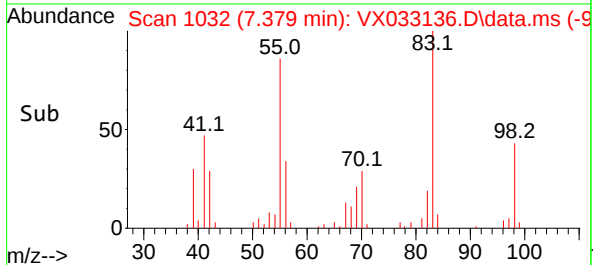
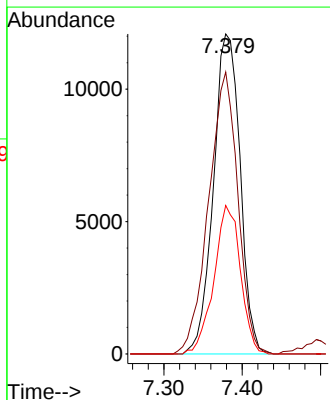
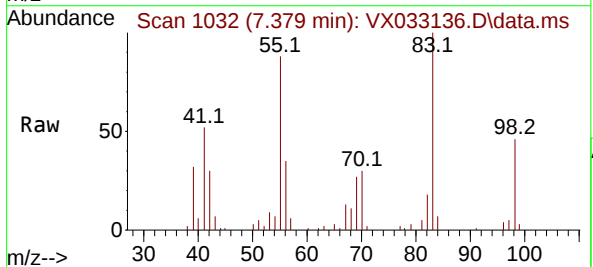
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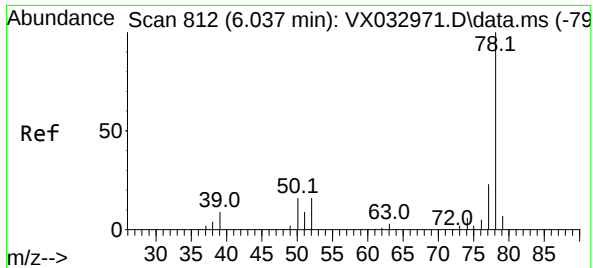
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#39
Methylcyclohexane
Concen: 11.762 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

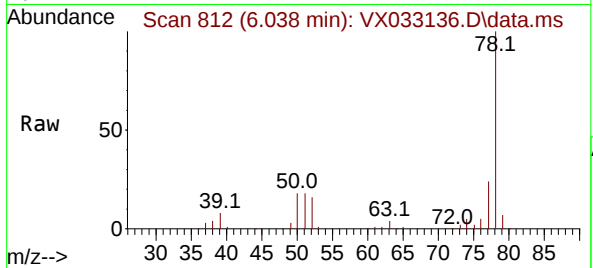
Tgt Ion: 83 Resp: 28664
Ion Ratio Lower Upper
83 100
55 88.1 58.4 87.6#
98 46.4 37.2 55.8





#40
Benzene
Concen: 17.184 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

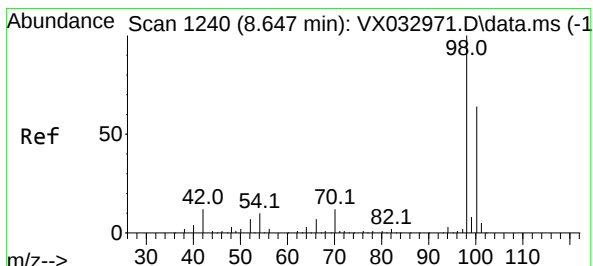
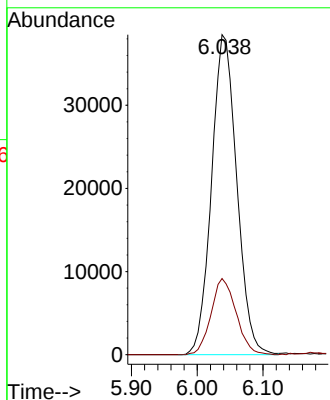
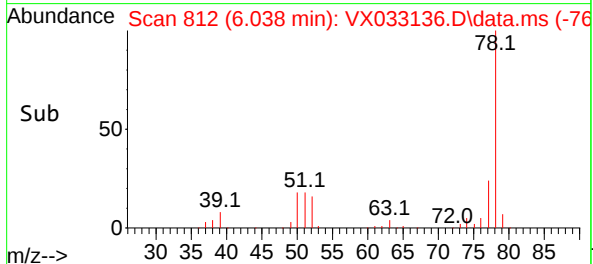
Instrument :
MSVOA_X
ClientSampleId :
PZ-3R



Tgt Ion: 78 Resp: 102909
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

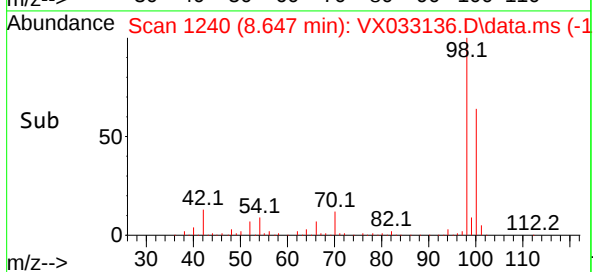
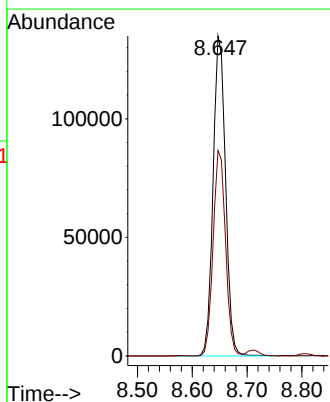
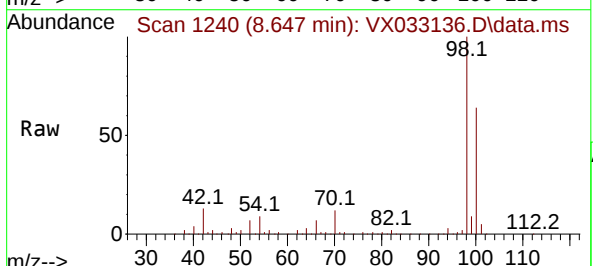
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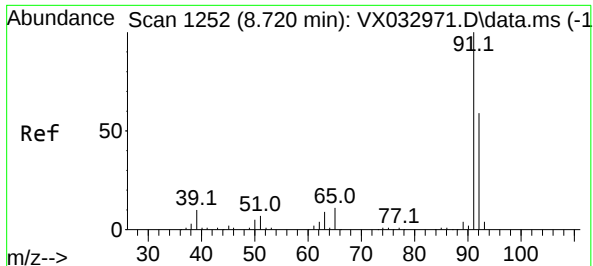
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#50
Toluene-d8
Concen: 52.883 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

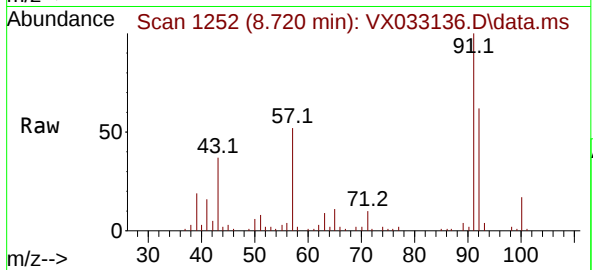
Tgt Ion: 98 Resp: 212045
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3





#52
Toluene
Concen: 2.404 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

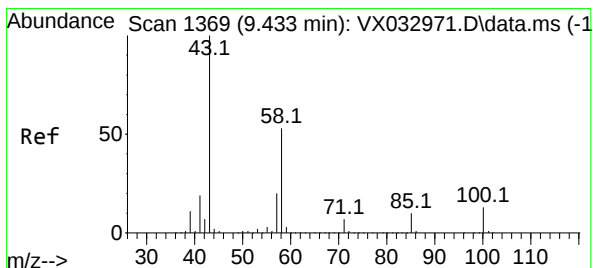
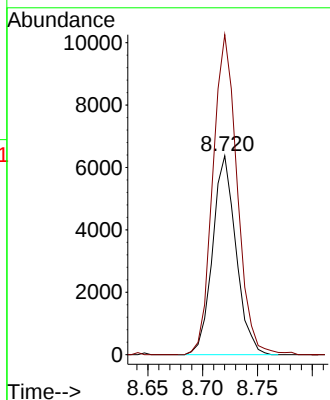
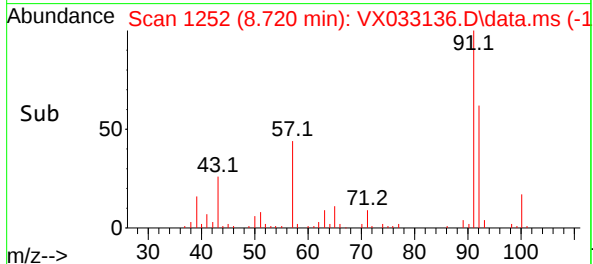
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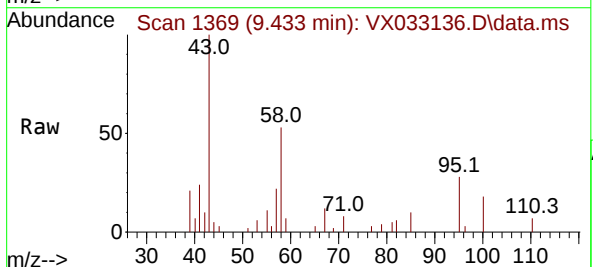
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Ion Ratio Lower Upper
92 100
91 167.5 138.3 207.5

Manual Integrations
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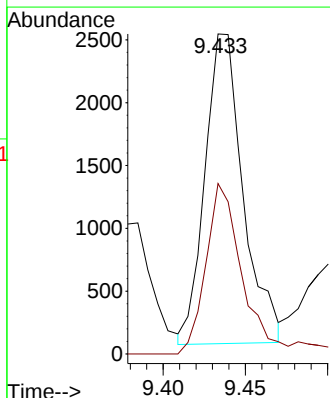
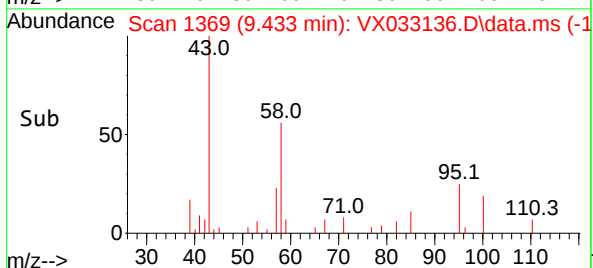
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022

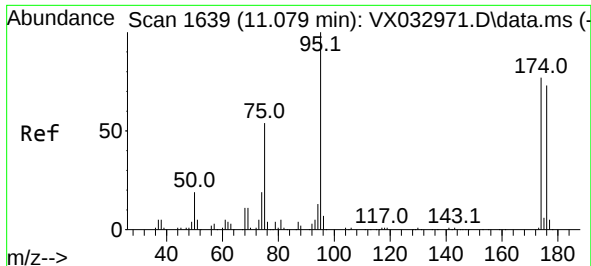


#59
2-Hexanone
Concen: 2.839 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51



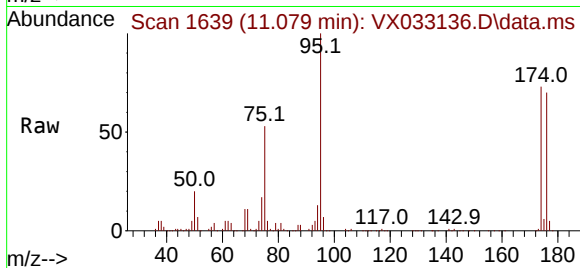
Tgt Ion: 43 Resp: 3988
Ion Ratio Lower Upper
43 100
58 51.1 26.5 79.5





#62
4-Bromofluorobenzene
Concen: 47.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

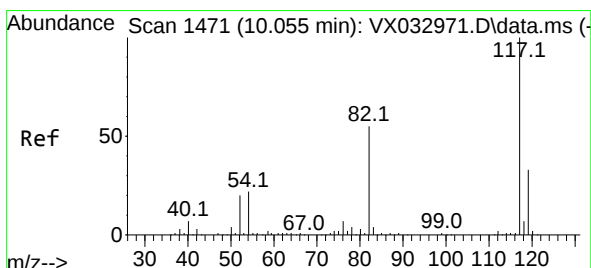
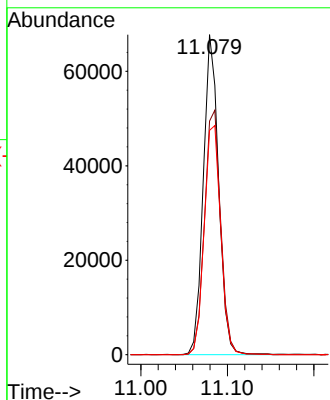
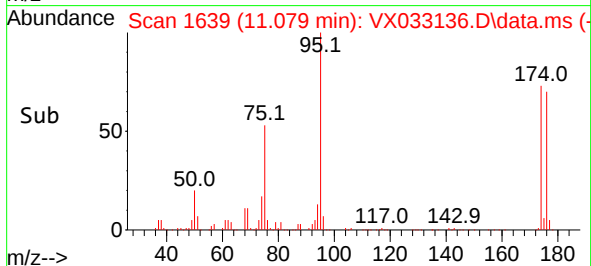
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MSVOA_X
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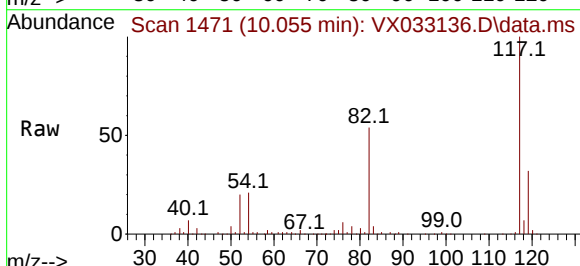
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Ion Ratio Lower Upper
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Manual Integrations
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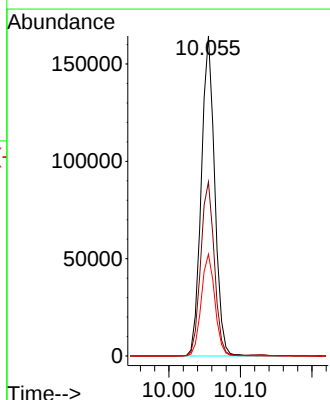
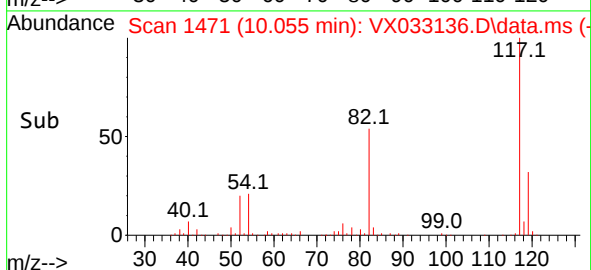
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022

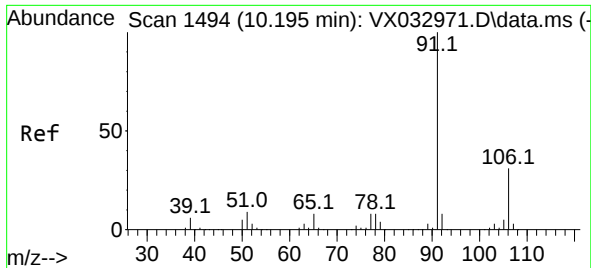


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51



Tgt Ion:117 Resp: 214507
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 31.8 25.7 38.5





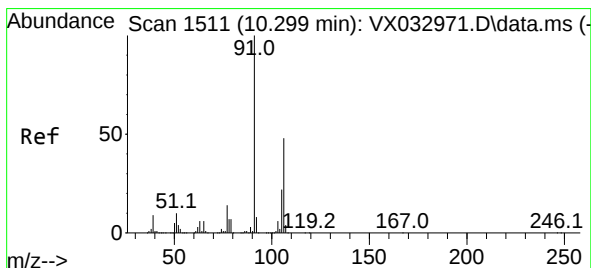
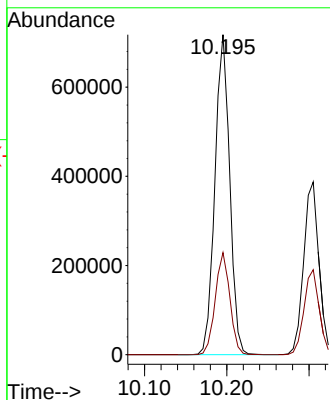
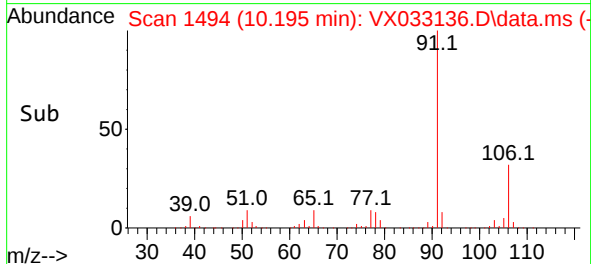
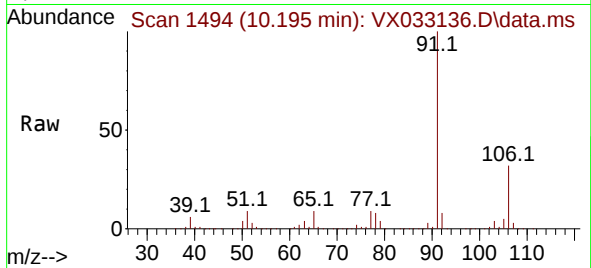
#67
Ethyl Benzene
Concen: 118.072 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion: 91 Resp: 895734
Ion Ratio Lower Upper
91 100
106 31.9 25.0 37.6

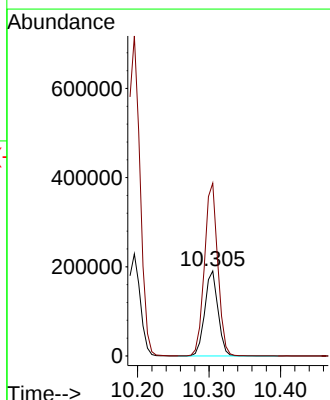
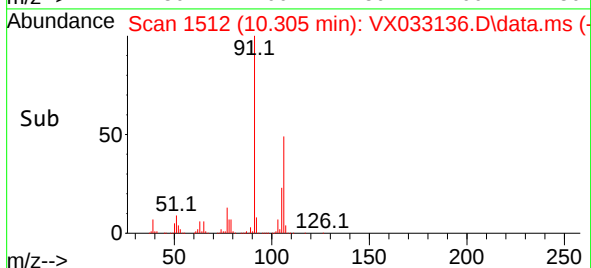
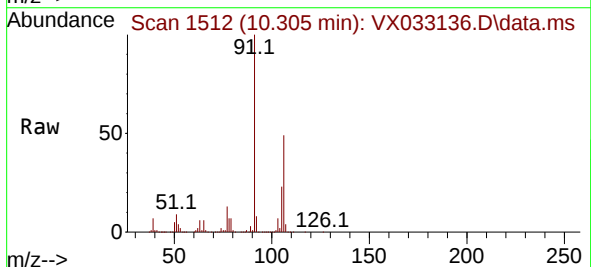
Manual Integrations
APPROVED

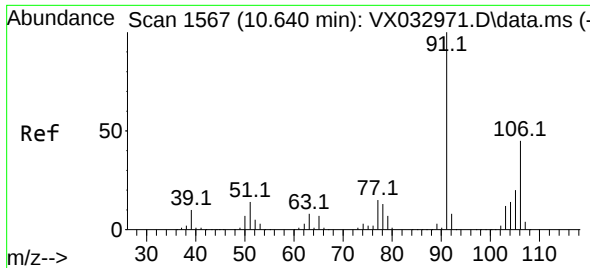
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#68
m/p-Xylenes
Concen: 82.514 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

Tgt Ion:106 Resp: 245128
Ion Ratio Lower Upper
106 100
91 204.2 164.5 246.7





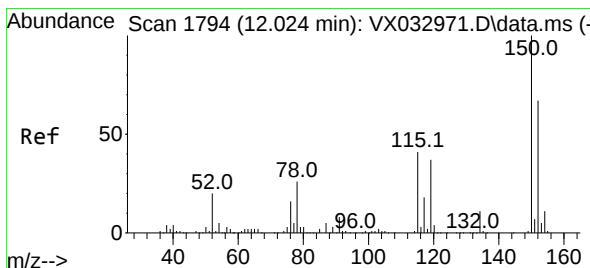
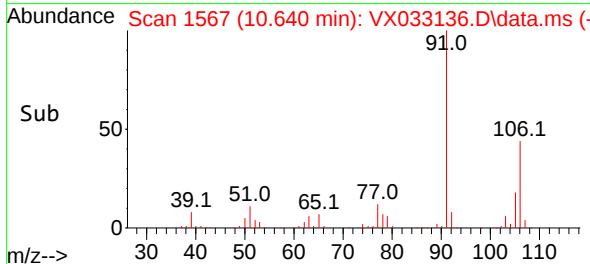
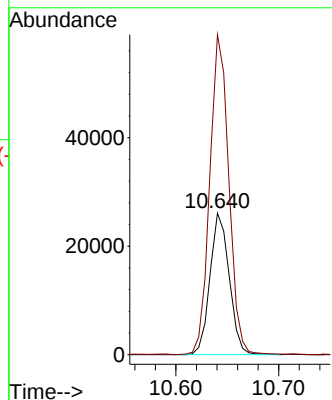
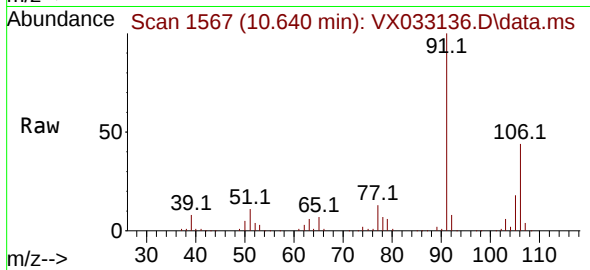
#69
o-Xylene
Concen: 11.806 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion:106 Resp: 33930
Ion Ratio Lower Upper
106 100
91 224.3 109.2 327.6

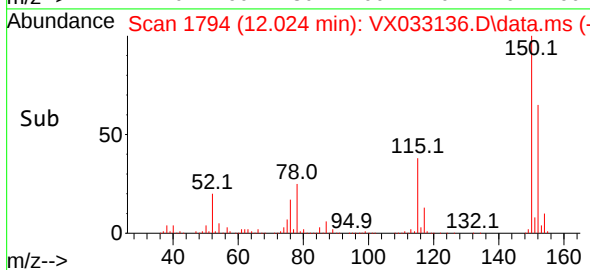
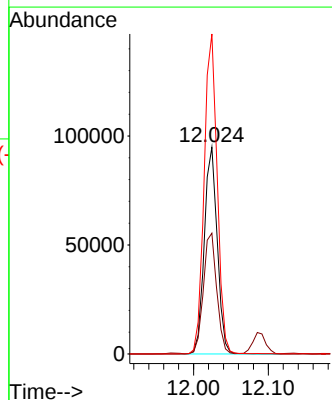
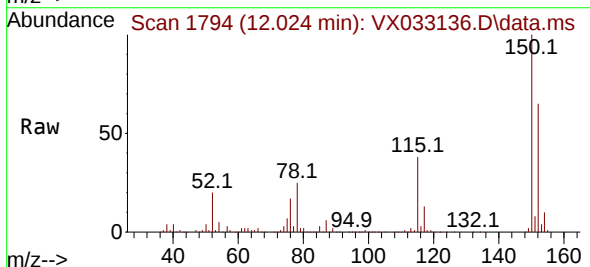
Manual Integrations
APPROVED

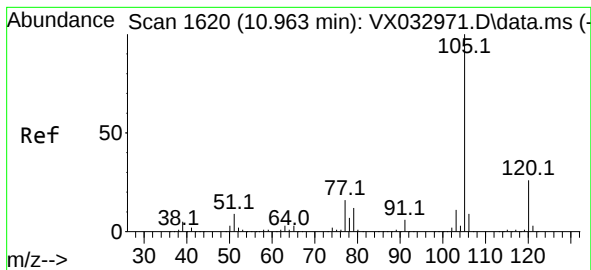
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

Tgt Ion:152 Resp: 113994
Ion Ratio Lower Upper
152 100
115 59.9 44.0 132.0
150 156.0 0.0 351.8





#73

Isopropylbenzene

Concen: 9.546 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX033136.D

Acq: 30 Nov 2022 16:51

Instrument :

MSVOA_X

ClientSampleId :

PZ-3R

Tgt Ion:105 Resp: 77762

Ion Ratio Lower Upper

105 100

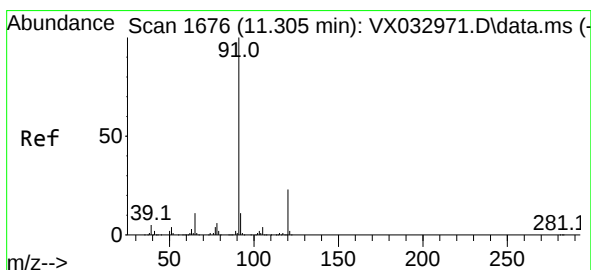
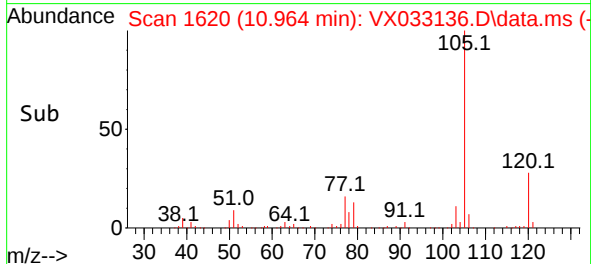
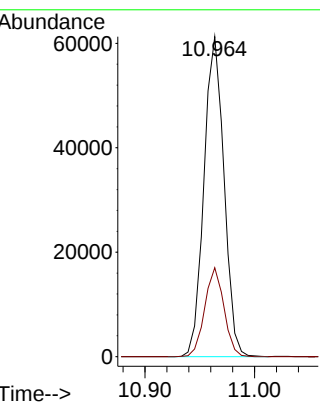
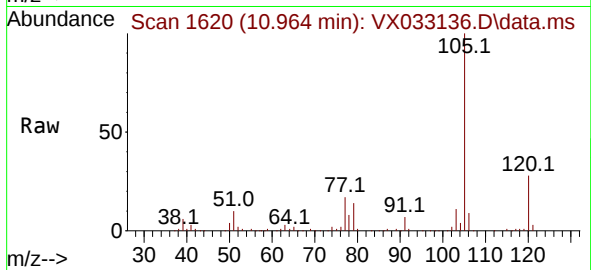
120 26.7 13.1 39.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2022

Supervised By :Mahesh Dadoda 12/01/2022



#78

n-propylbenzene

Concen: 27.684 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033136.D

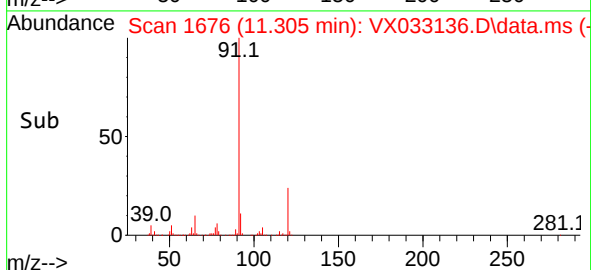
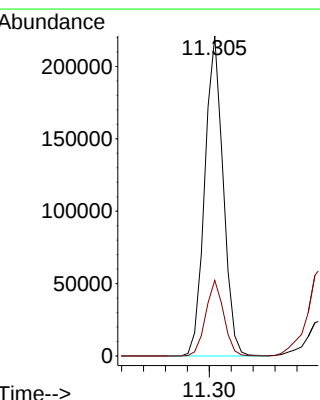
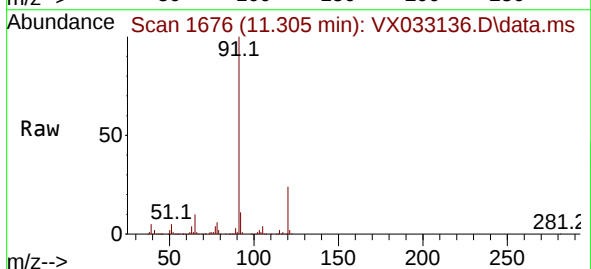
Acq: 30 Nov 2022 16:51

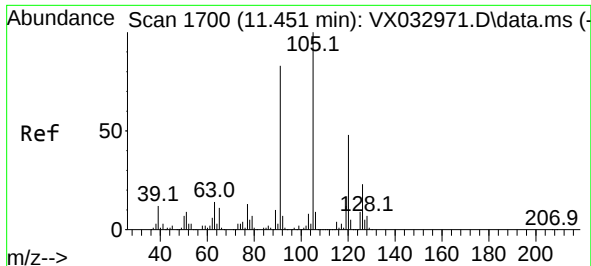
Tgt Ion: 91 Resp: 257839

Ion Ratio Lower Upper

91 100

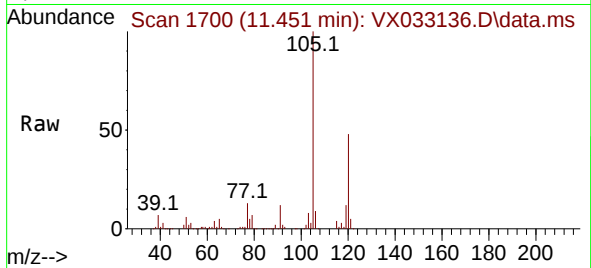
120 23.0 11.6 34.8





#80
1,3,5-Trimethylbenzene
Concen: 10.091 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51

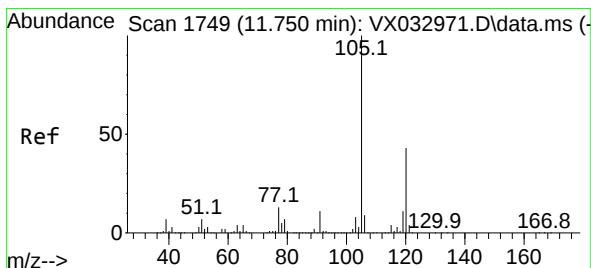
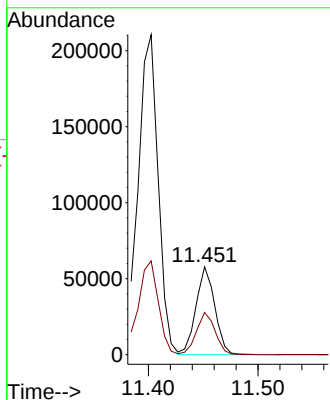
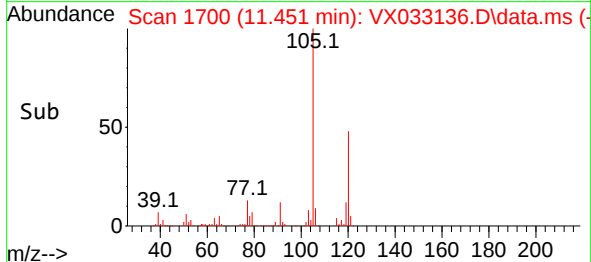
Instrument :
MSVOA_X
ClientSampleId :
PZ-3R



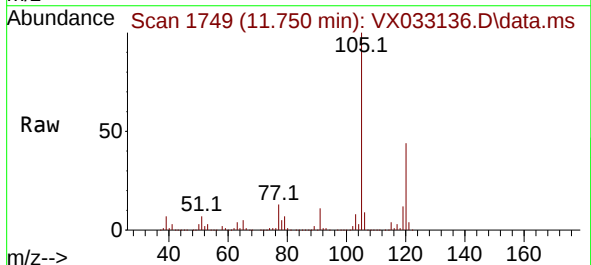
Tgt Ion:105 Resp: 69050
Ion Ratio Lower Upper
105 100
120 47.9 23.6 71.0

Manual Integrations
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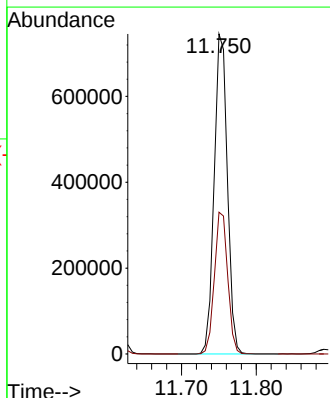
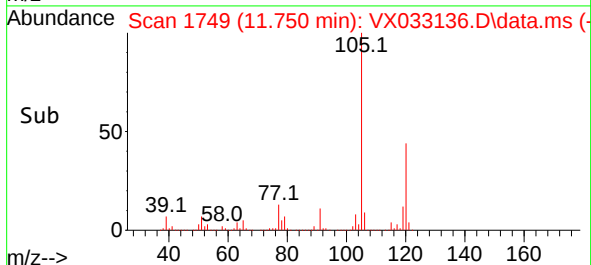
Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022

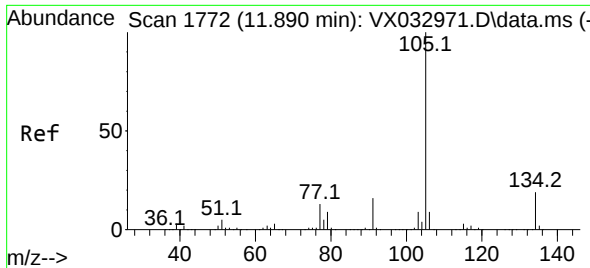


#84
1,2,4-Trimethylbenzene
Concen: 133.980 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033136.D
Acq: 30 Nov 2022 16:51



Tgt Ion:105 Resp: 914197
Ion Ratio Lower Upper
105 100
120 44.6 21.9 65.5





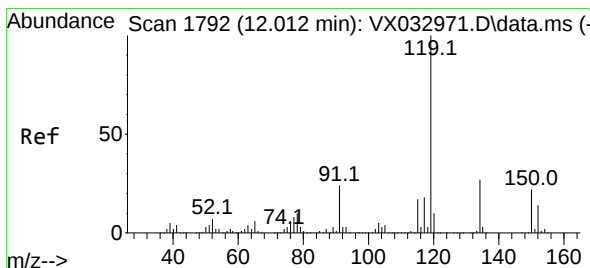
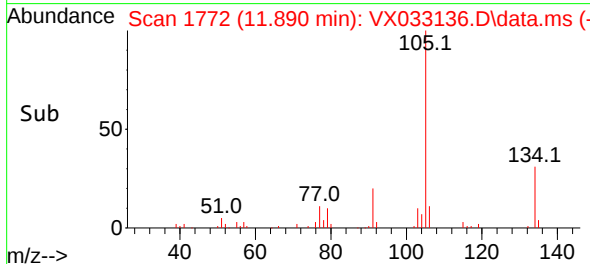
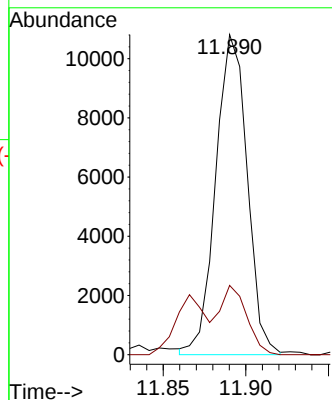
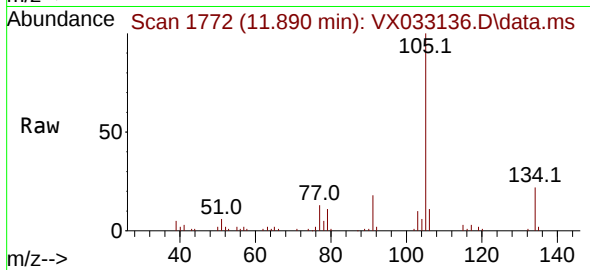
#85
 sec-Butylbenzene
 Concen: 1.757 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033136.D
 Acq: 30 Nov 2022 16:51

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-3R

Tgt Ion:105 Resp: 14315
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.75

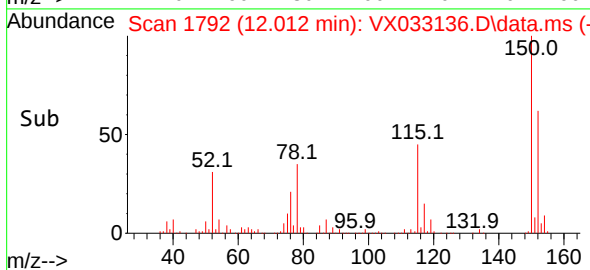
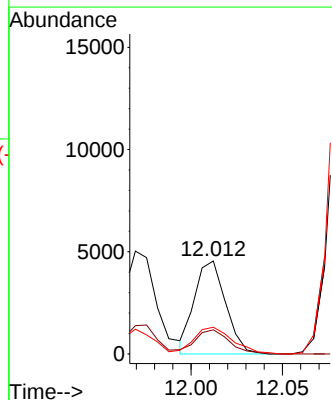
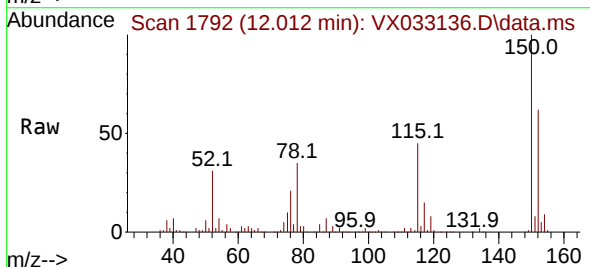
Manual Integrations
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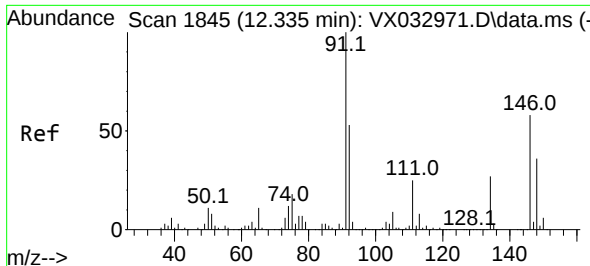
Reviewed By :John Carlone 12/01/2022
 Supervised By :Mahesh Dadoda 12/01/2022



#86
 p-Isopropyltoluene
 Concen: 0.782 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX033136.D
 Acq: 30 Nov 2022 16:51

Tgt Ion:119 Resp: 5400
 Ion Ratio Lower Upper
 119 100
 134 29.0 12.9 38.7
 91 0.0 12.5 37.5#





#89

n-Butylbenzene

Concen: 4.566 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX033136.D

Acq: 30 Nov 2022 16:51

Instrument :

MSVOA_X

ClientSampleId :

PZ-3R

Tgt Ion: 91 Resp: 27162

Ion Ratio Lower Upper

91 100

92 36.8 26.2 78.6

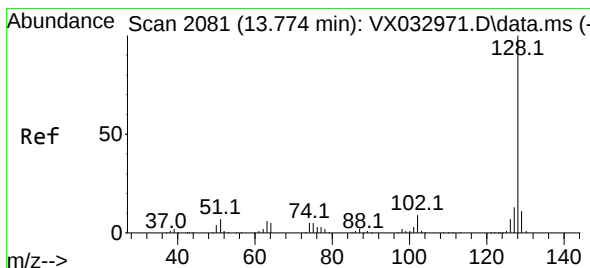
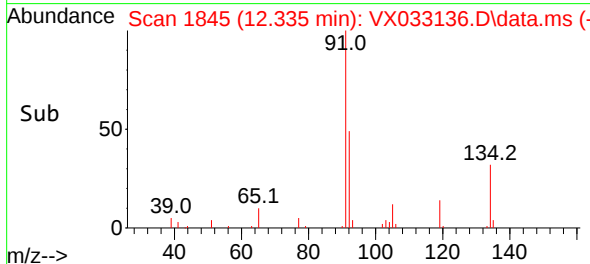
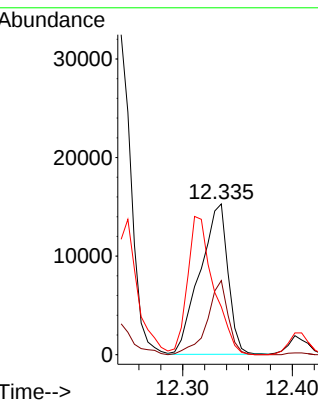
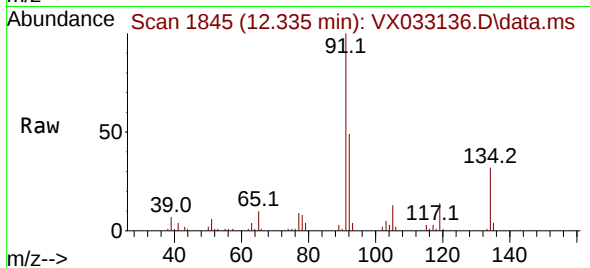
134 0.0 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/01/2022

Supervised By :Mahesh Dadoda 12/01/2022



#95

Naphthalene

Concen: 26.030 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX033136.D

Acq: 30 Nov 2022 16:51

Tgt Ion:128 Resp: 189739

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

129 11.2 8.9 13.3

