

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031994.D
 Acq On : 08 Oct 2022 05:25
 Operator : JC/MD
 Sample : N4937-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-093022

Quant Time: Oct 10 04:51:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/10/2022
 Supervised By : Mahesh Dadoda 10/10/2022

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	57416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	90701	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	102840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60159	50.735	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.460%			
35) Dibromofluoromethane	5.385	113	49742	48.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.900%			
50) Toluene-d8	8.653	98	187159	50.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	79430	60.817	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.640%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.983	59	44279	300.138	ug/l	99
16) Acetone	2.386	43	39496	98.006	ug/l	99
17) Carbon Disulfide	2.508	76	1123	0.598	ug/l #	94
19) Methyl tert-butyl Ether	3.117	73	78424	26.722	ug/l #	35
22) Diisopropyl ether	3.764	45	22504	8.044	ug/l #	77
25) 2-Butanone	4.562	43	36865	58.518	ug/l	98
31) Cyclohexane	5.471	56	98039	69.210	ug/l	91
39) Methylcyclohexane	7.379	83	40946	25.214	ug/l	96
40) Benzene	6.050	78	8077351	2026.127	ug/l	95
42) 1,2-Dichloroethane	6.092	62	135224m	93.083	ug/l	
45) 1,2-Dichloropropane	7.440	63	3118	3.183	ug/l	100
51) 4-Methyl-2-Pentanone	8.580	43	18458	14.323	ug/l	92
52) Toluene	8.726	92	4576817	1755.886	ug/l	90
67) Ethyl Benzene	10.195	91	2266623	429.978	ug/l	99
68) m/p-Xylenes	10.311	106	4522889	2159.058	ug/l	86
69) o-Xylene	10.646	106	1954906	960.107	ug/l	95
73) Isopropylbenzene	10.963	105	161622	27.771	ug/l	98
78) n-propylbenzene	11.305	91	428986	64.805	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	866950	179.609	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	3070234	626.133	ug/l	98
85) sec-Butylbenzene	11.890	105	15586m	2.635	ug/l	
86) p-Isopropyltoluene	12.012	119	7246m	1.455	ug/l	
95) Naphthalene	13.774	128	347330	61.537	ug/l	100

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

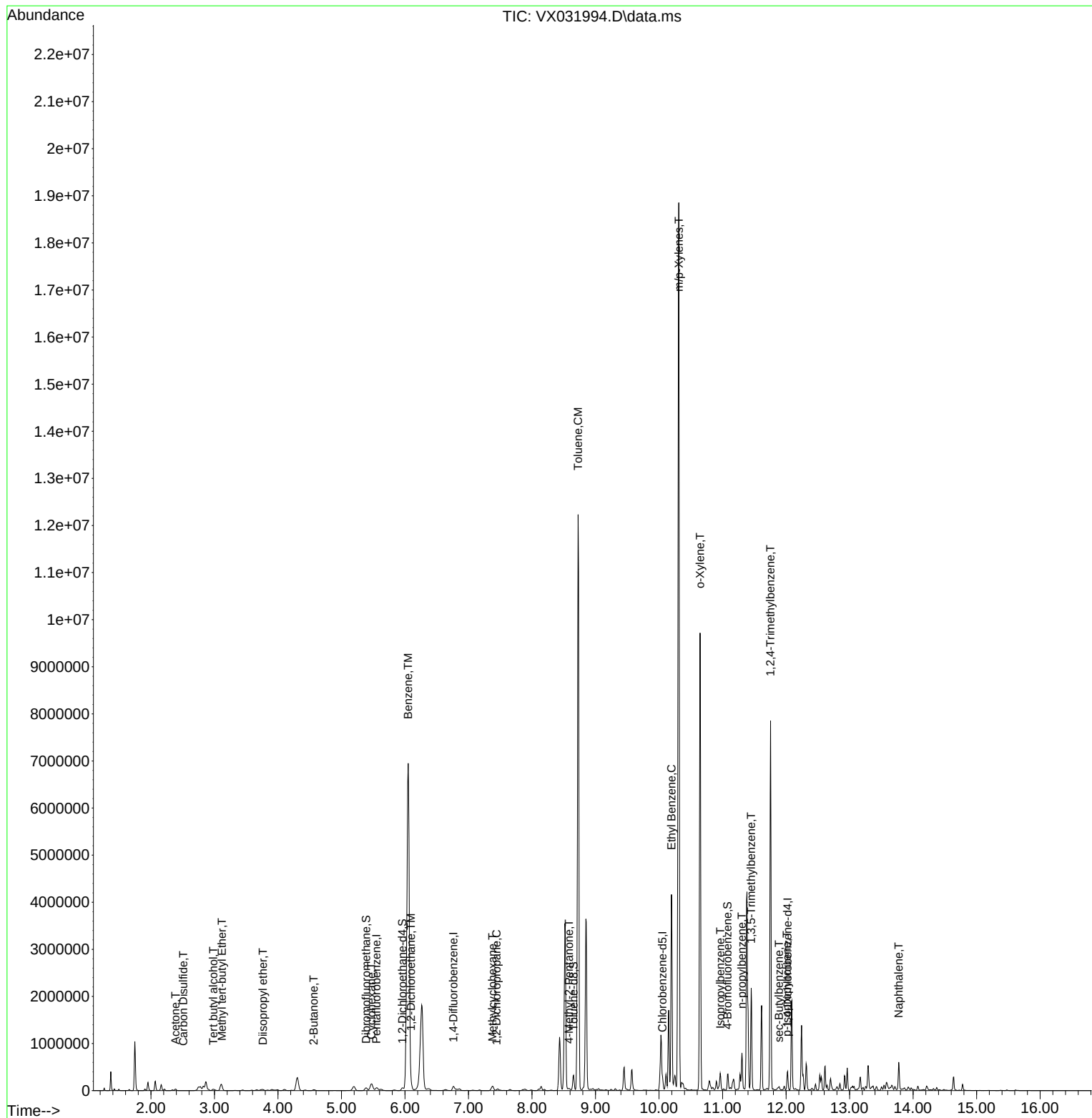
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
Data File : VX031994.D
Acq On : 08 Oct 2022 05:25
Operator : JC/MD
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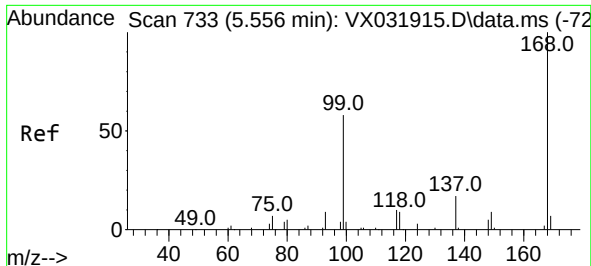
Instrument :
MSVOA_X
ClientSampleId :
DUP-093022

Quant Time: Oct 10 04:51:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 06 14:28:46 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

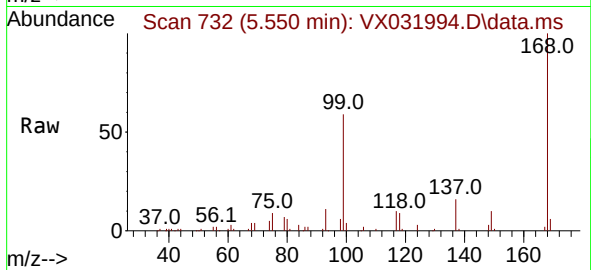
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

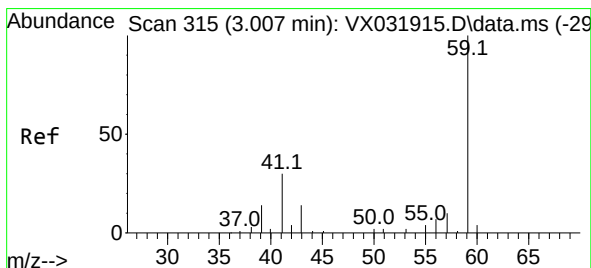
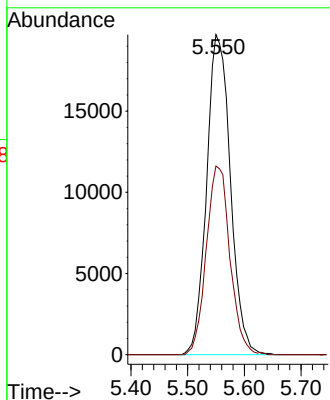
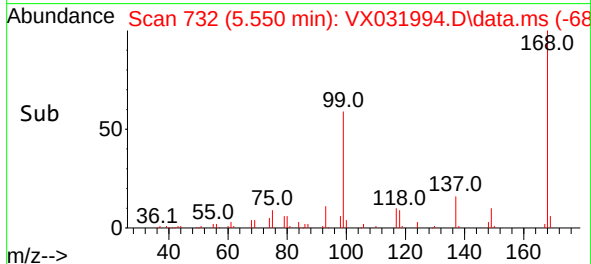
Instrument :
MSVOA_X
ClientSampleId :
DUP-093022



Tgt Ion:168 Resp: 57410
Ion Ratio Lower Upper
168 100
99 59.0 48.8 73.2

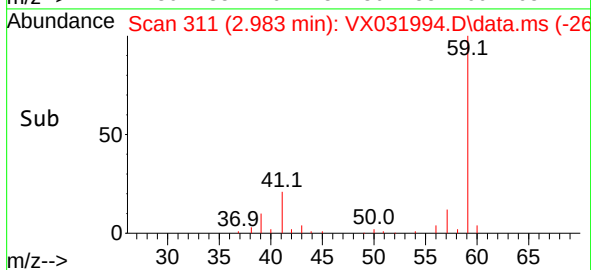
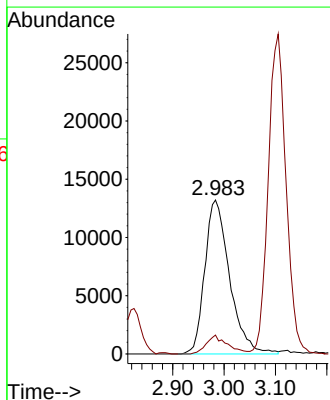
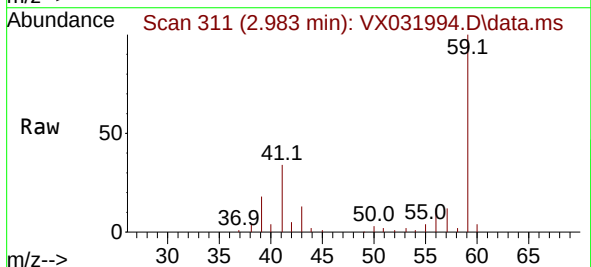
Manual Integrations
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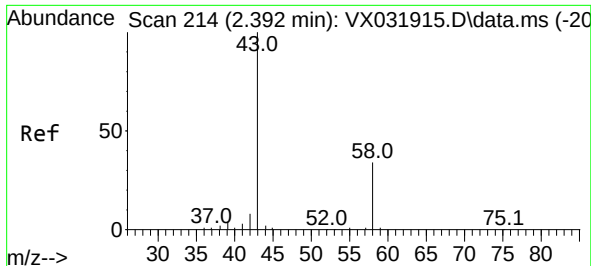
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022



#11
Tert butyl alcohol
Concen: 300.138 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.024 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Tgt Ion: 59 Resp: 44279
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2





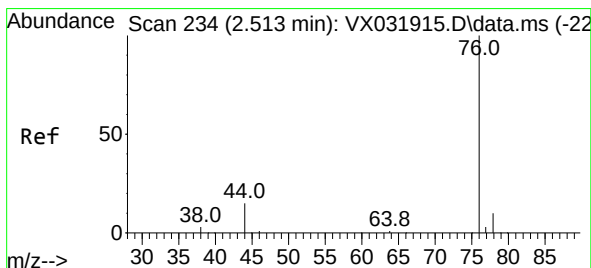
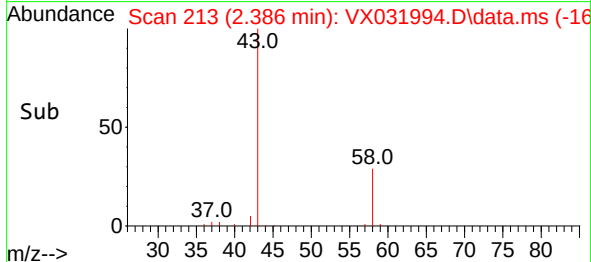
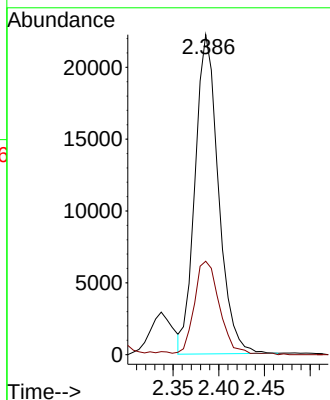
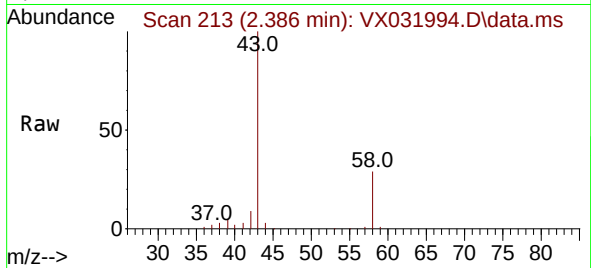
#16
Acetone
Concen: 98.006 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :
DUP-093022

Tgt Ion: 43 Resp: 39490
Ion Ratio Lower Upper
43 100
58 29.3 23.8 35.8

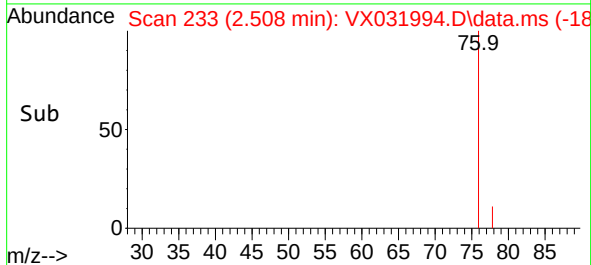
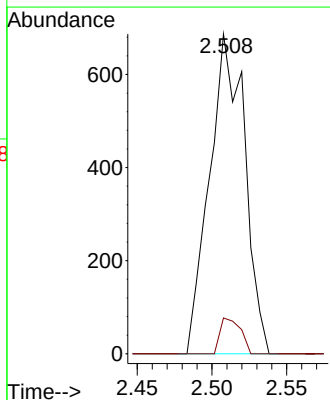
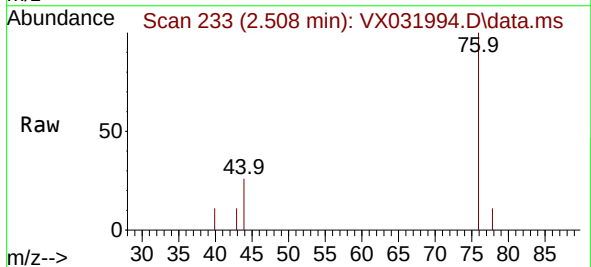
Manual Integrations
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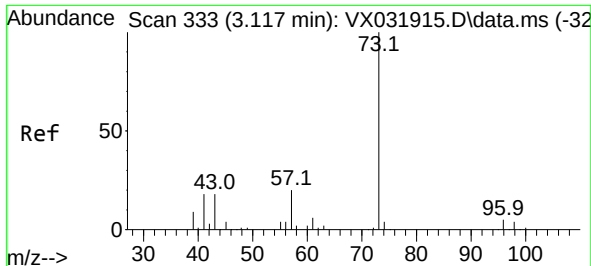
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022



#17
Carbon Disulfide
Concen: 0.598 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.005 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Tgt Ion: 76 Resp: 1123
Ion Ratio Lower Upper
76 100
78 11.2 7.2 10.8





#19
Methyl tert-butyl Ether
Concen: 26.722 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

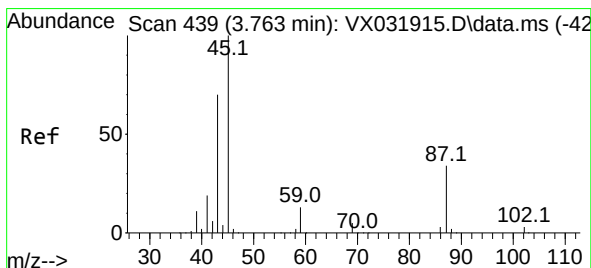
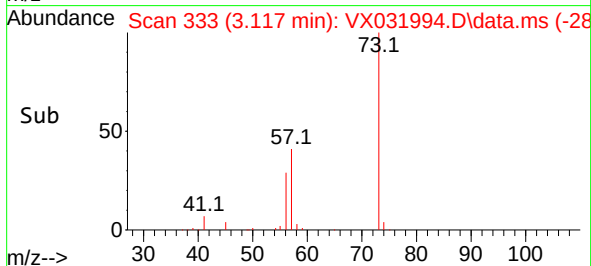
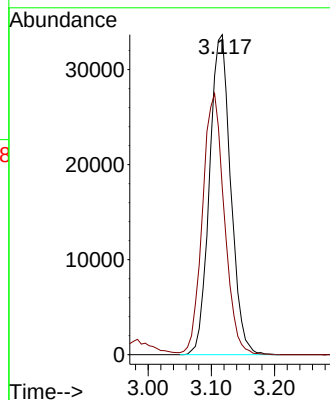
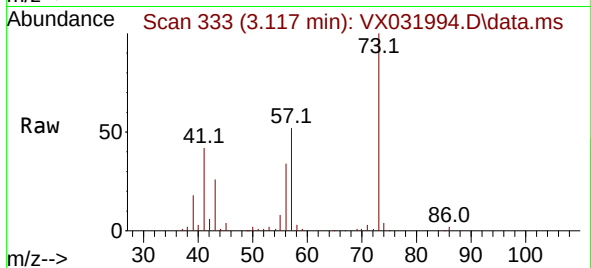
DUP-093022

Tgt Ion: 73 Resp: 78424
Ion Ratio Lower Upper
73 100
57 52.0 17.2 25.8

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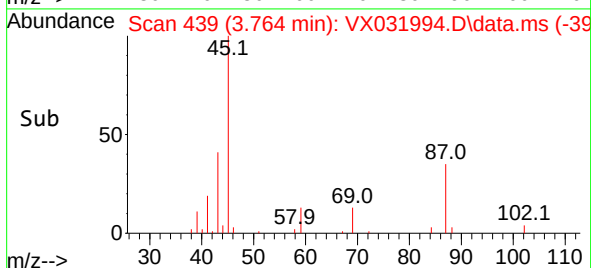
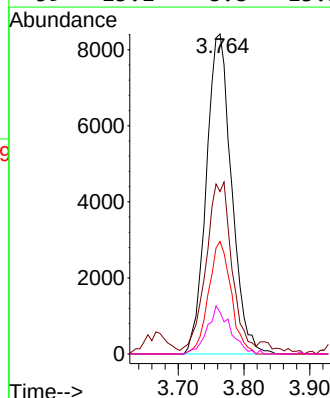
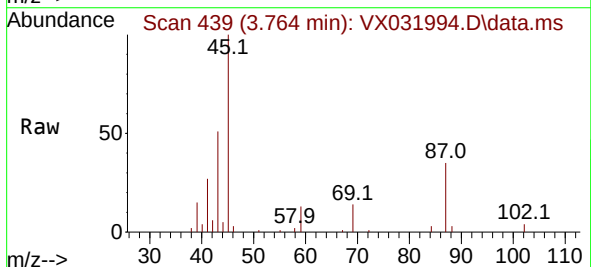
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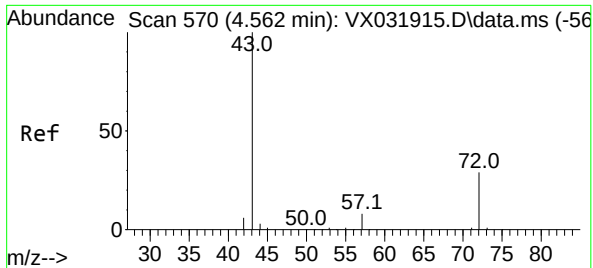
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022



#22
Diisopropyl ether
Concen: 8.044 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.001 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Tgt Ion: 45 Resp: 22504
Ion Ratio Lower Upper
45 100
43 49.6 59.0 88.6#
87 35.2 22.6 33.8#
59 13.1 8.8 13.2





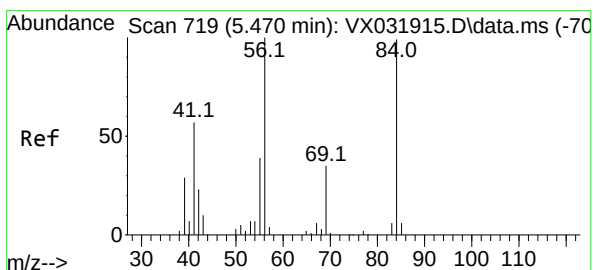
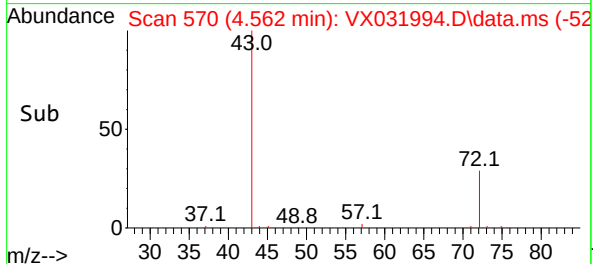
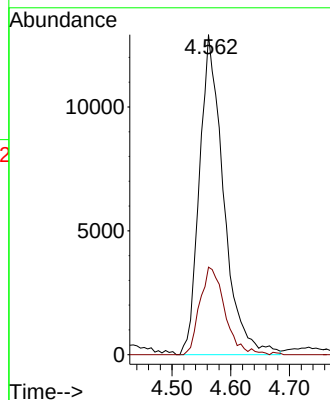
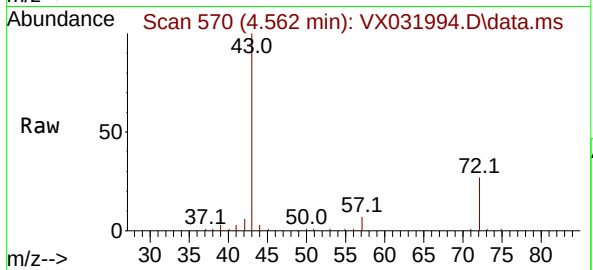
#25
2-Butanone
Concen: 58.518 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :
DUP-093022

Tgt Ion: 43 Resp: 3686
Ion Ratio Lower Upper
43 100
72 27.4 21.1 31.7

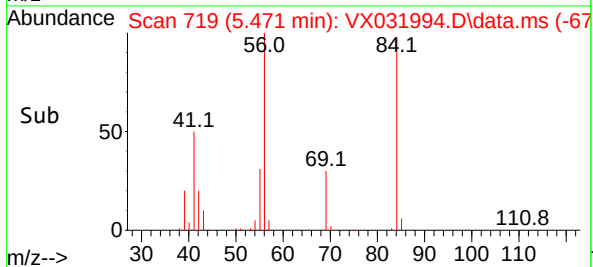
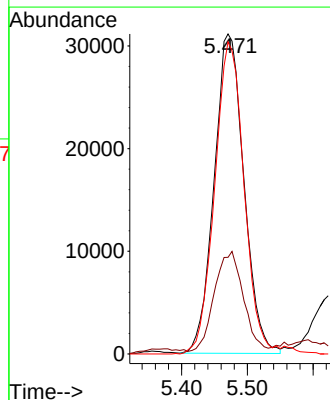
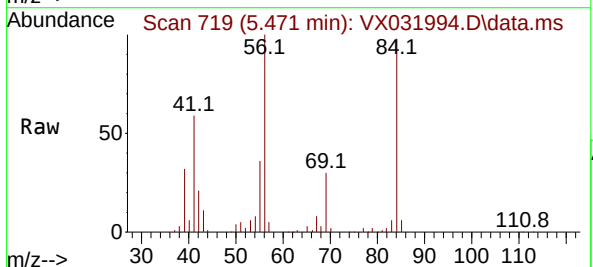
Manual Integrations
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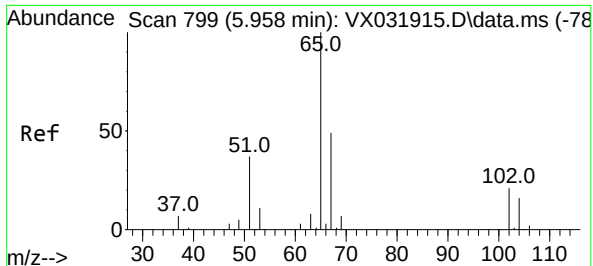
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022



#31
Cyclohexane
Concen: 69.210 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.001 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Tgt Ion: 56 Resp: 98039
Ion Ratio Lower Upper
56 100
69 29.2 25.1 37.7
84 97.8 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 50.735 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031994.D

Acq: 08 Oct 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

DUP-093022

Tgt Ion: 65 Resp: 60159

Ion Ratio Lower Upper

65 100

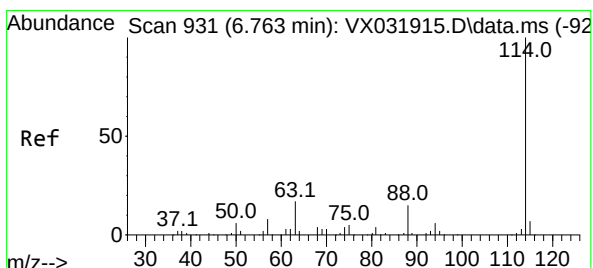
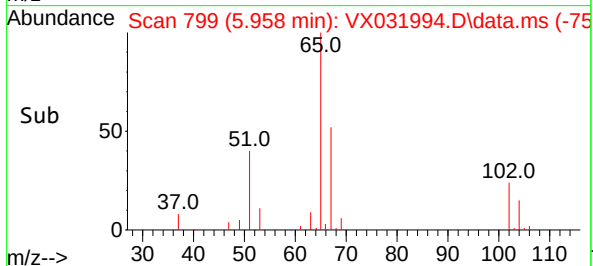
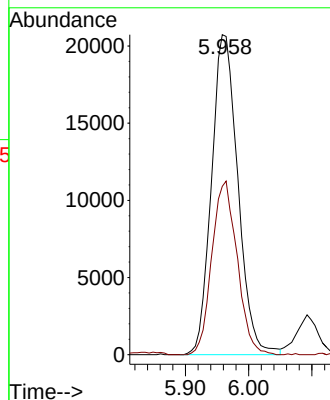
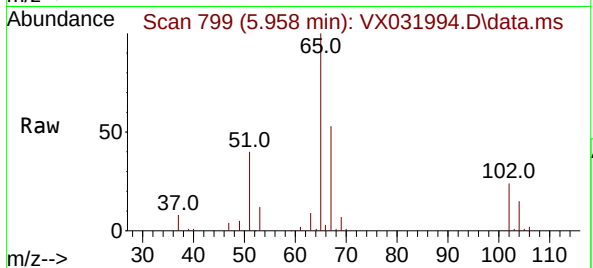
67 51.9 0.0 102.4

Manual Integrations

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Reviewed By :John Carlone 10/10/2022

Supervised By :Mahesh Dadoda 10/10/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031994.D

Acq: 08 Oct 2022 05:25

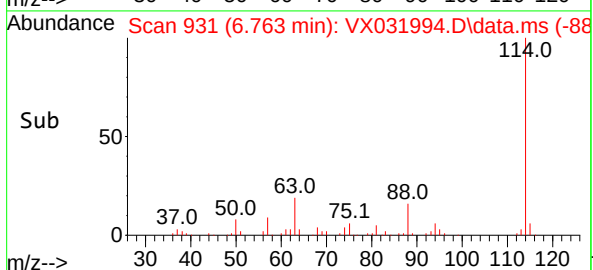
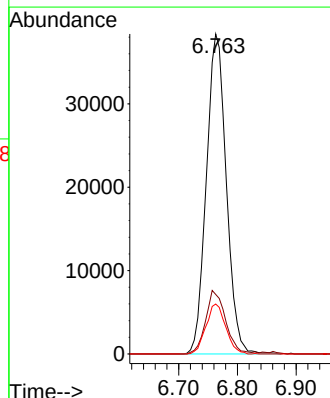
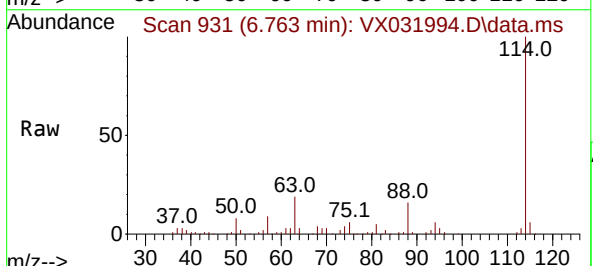
Tgt Ion:114 Resp: 90701

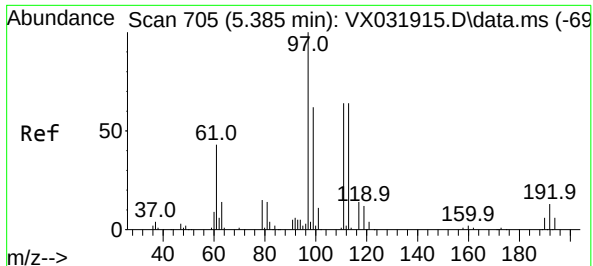
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.6

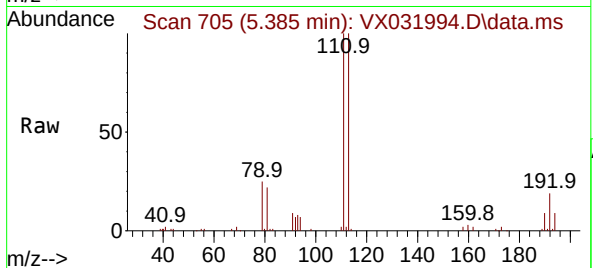
88 15.6 0.0 33.0





#35
Dibromofluoromethane
Concen: 48.449 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

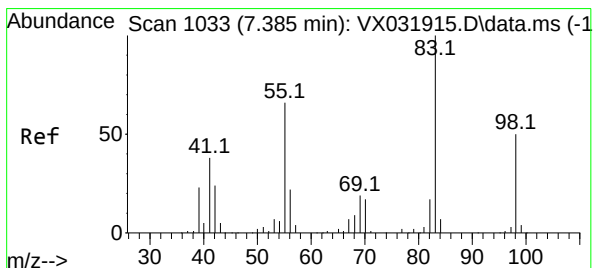
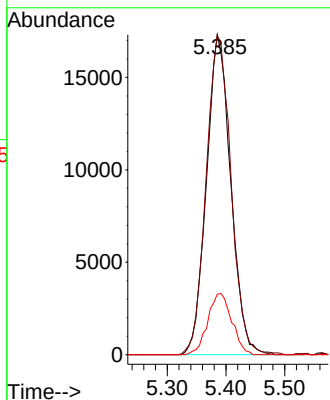
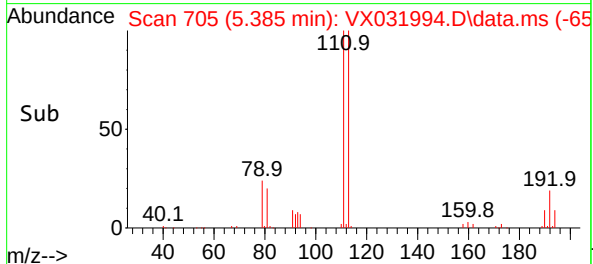
Instrument :
MSVOA_X
ClientSampleId :
DUP-093022



Tgt Ion: 113 Resp: 4974
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 18.9 14.1 21.1

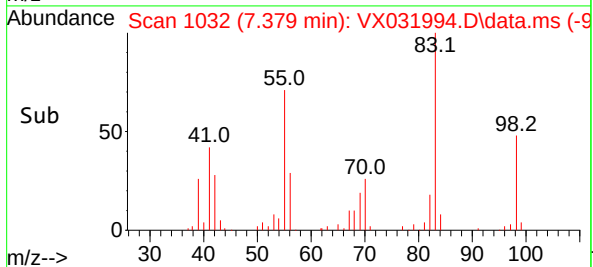
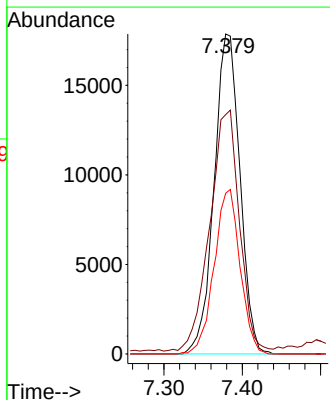
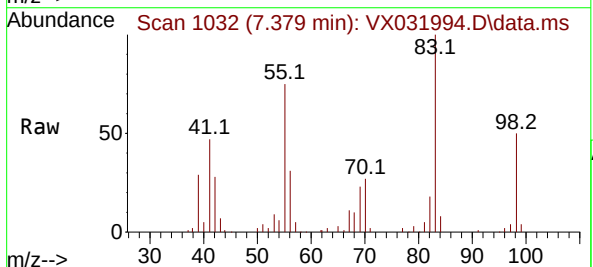
Manual Integrations
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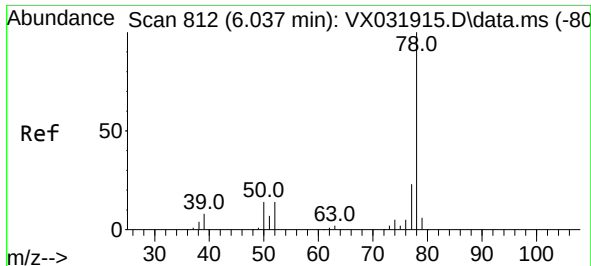
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022



#39
Methylcyclohexane
Concen: 25.214 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Tgt Ion: 83 Resp: 40946
Ion Ratio Lower Upper
83 100
55 73.7 61.0 91.4
98 50.2 37.7 56.5





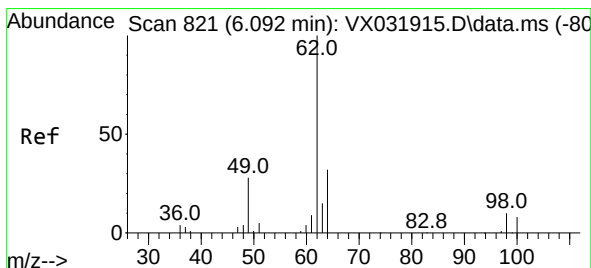
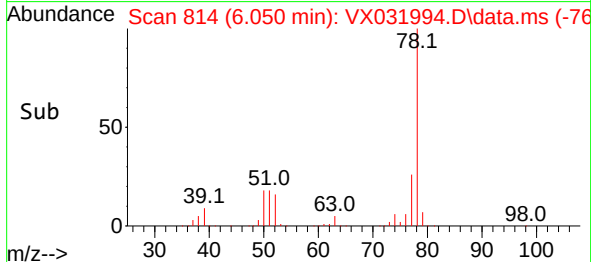
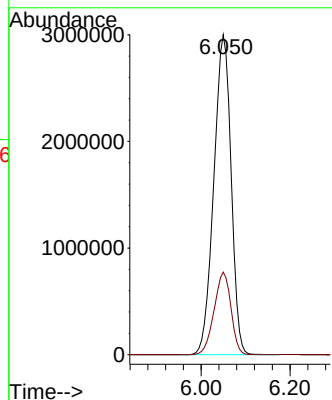
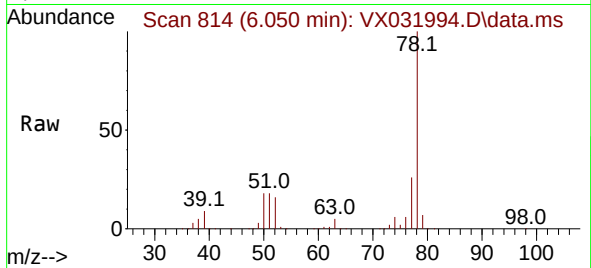
#40
Benzene
Concen: 2026.127 ug/l
RT: 6.050 min Scan# 812
Delta R.T. 0.013 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :
DUP-093022

Tgt Ion: 78 Resp: 807735
Ion Ratio Lower Upper
78 100
77 25.8 18.7 28.1

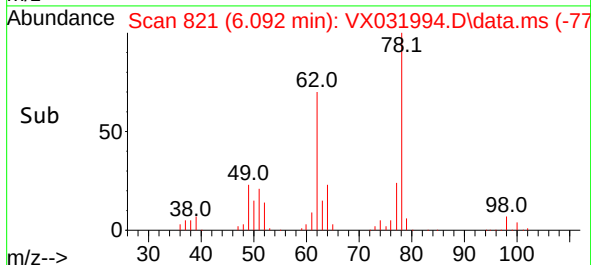
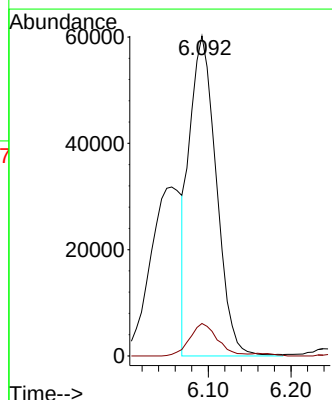
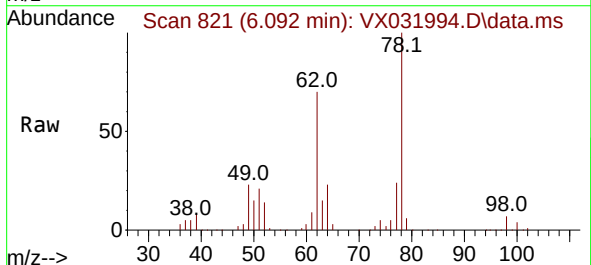
Manual Integrations
APPROVED

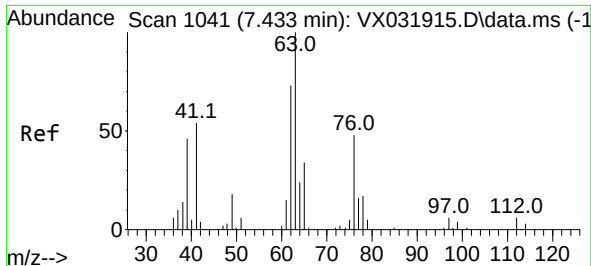
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022



#42
1,2-Dichloroethane
Concen: 93.083 ug/l m
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Tgt Ion: 62 Resp: 135224
Ion Ratio Lower Upper
62 100
98 10.6 0.0 17.8





#45

1,2-Dichloropropane

Concen: 3.183 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.007 min

Lab File: VX031994.D

Acq: 08 Oct 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

DUP-093022

Tgt Ion: 63 Resp: 3118

Ion Ratio Lower Upper

63 100

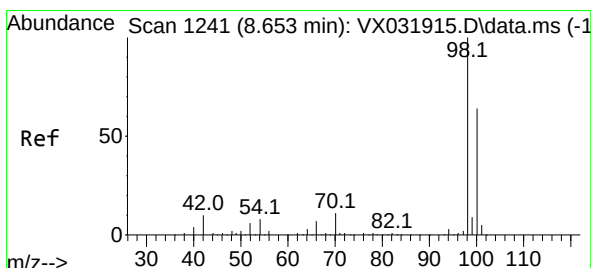
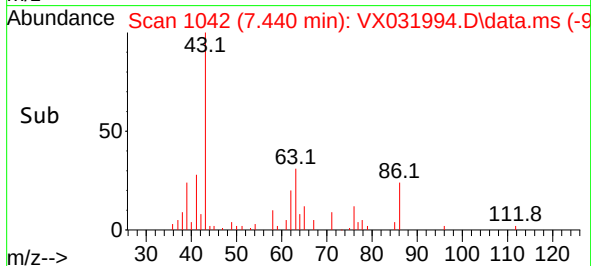
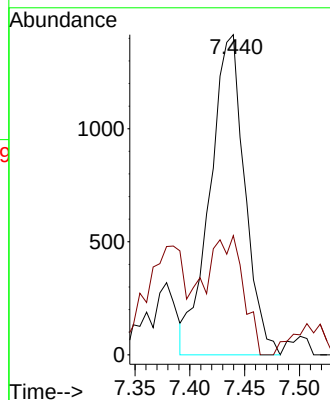
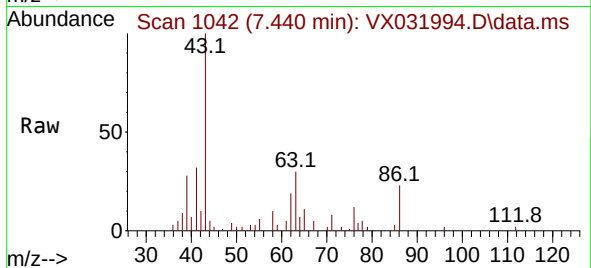
65 33.1 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2022

Supervised By :Mahesh Dadoda 10/10/2022



#50

Toluene-d8

Concen: 50.661 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031994.D

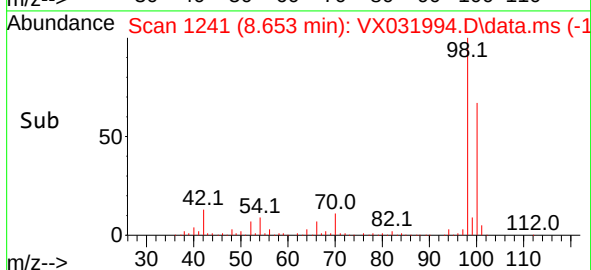
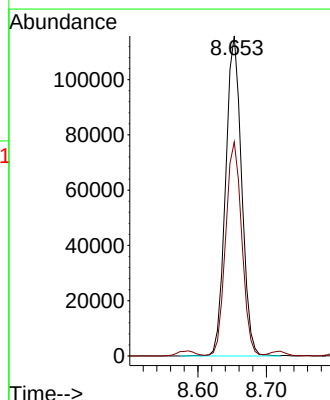
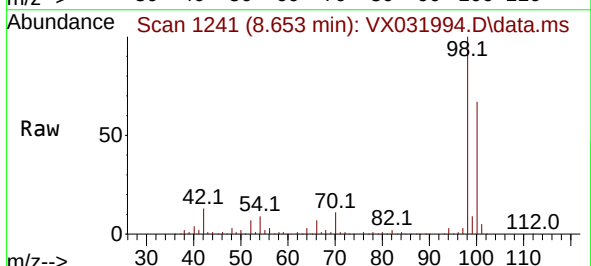
Acq: 08 Oct 2022 05:25

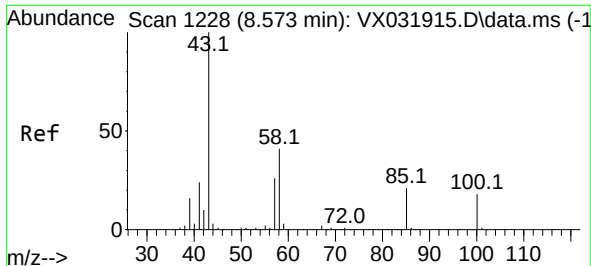
Tgt Ion: 98 Resp: 187159

Ion Ratio Lower Upper

98 100

100 67.4 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 14.323 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

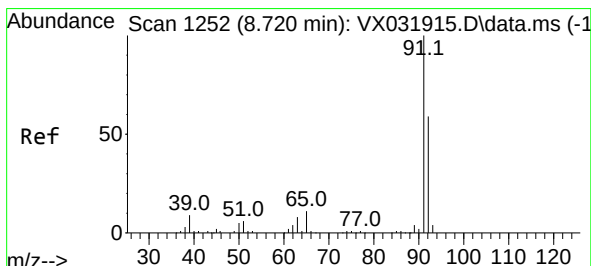
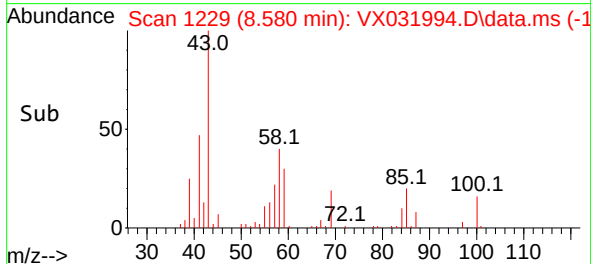
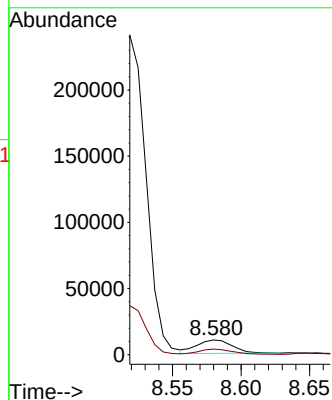
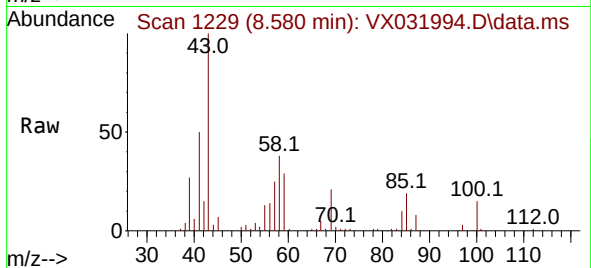
DUP-093022

Tgt Ion: 43 Resp: 18458
Ion Ratio Lower Upper
43 100
58 42.9 30.6 46.0

Manual Integrations

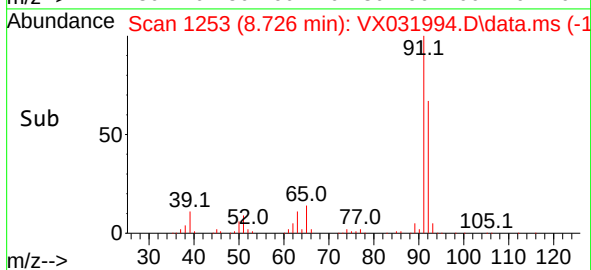
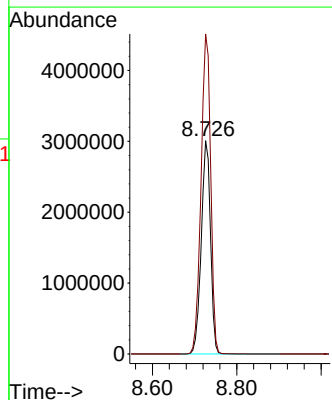
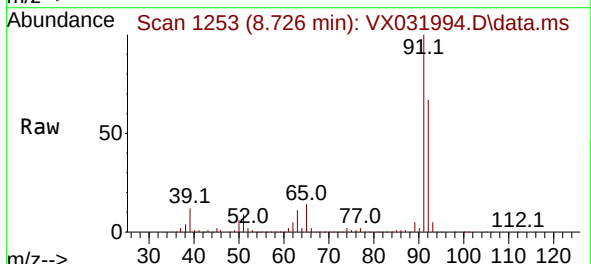
APPROVED

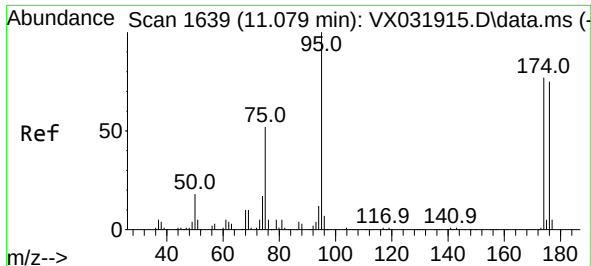
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022



#52
Toluene
Concen: 1755.886 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Tgt Ion: 92 Resp: 4576817
Ion Ratio Lower Upper
92 100
91 157.0 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 60.817 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031994.D

Acq: 08 Oct 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

DUP-093022

Tgt Ion: 95 Resp: 79430

Ion Ratio Lower Upper

95 100

174 76.4 0.0 153.2

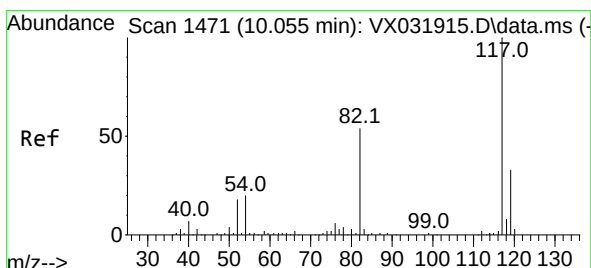
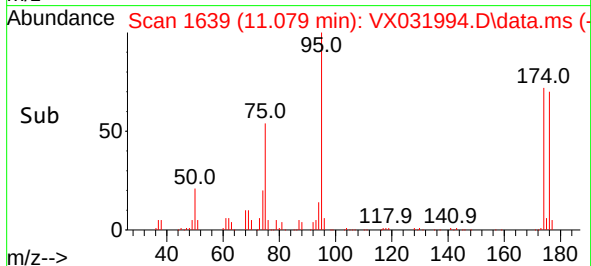
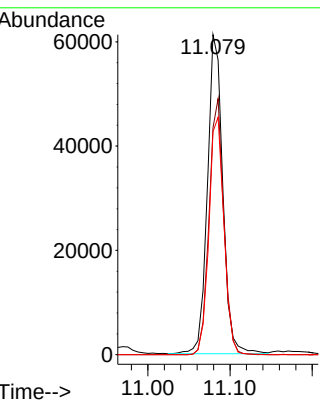
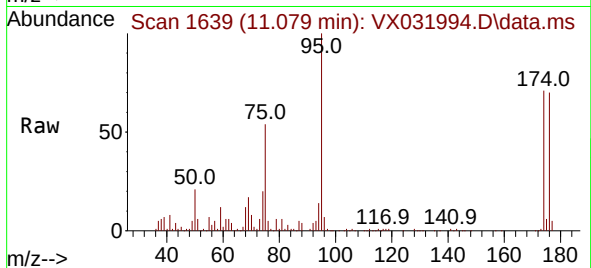
176 72.6 0.0 144.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2022

Supervised By :Mahesh Dadoda 10/10/2022



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031994.D

Acq: 08 Oct 2022 05:25

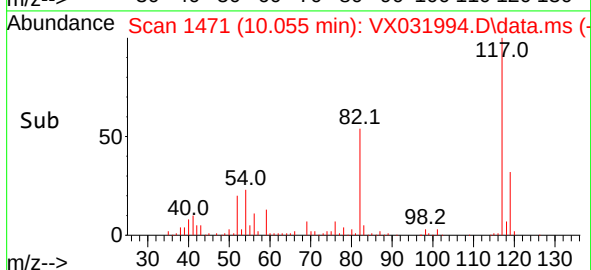
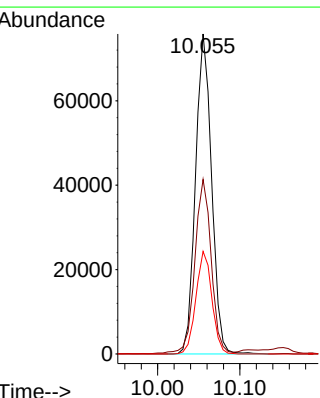
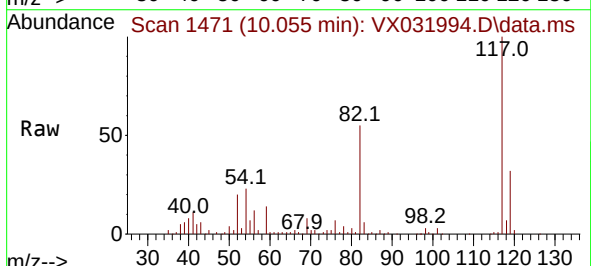
Tgt Ion:117 Resp: 102840

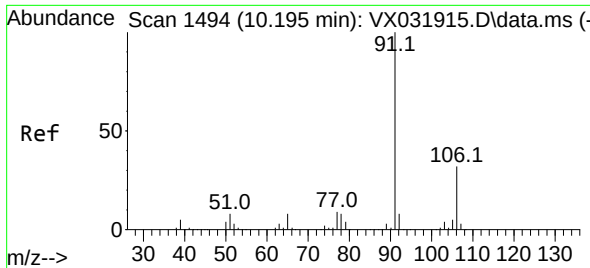
Ion Ratio Lower Upper

117 100

82 53.9 46.8 70.2

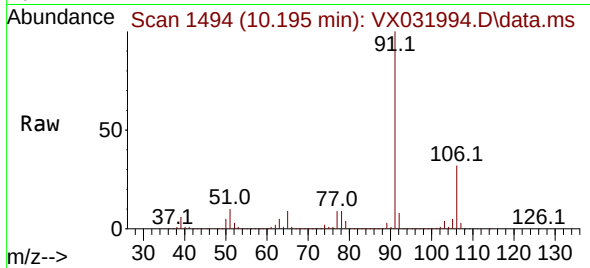
119 32.0 26.4 39.6





#67
Ethyl Benzene
Concen: 429.978 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

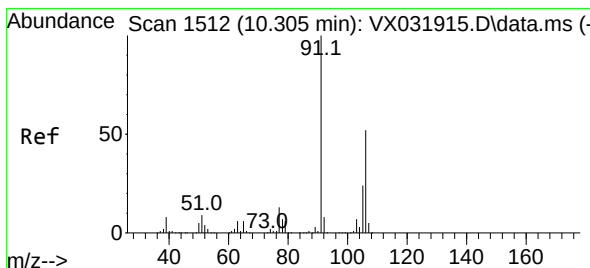
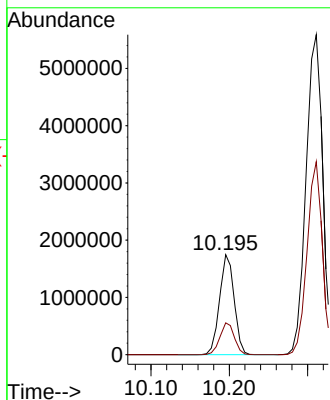
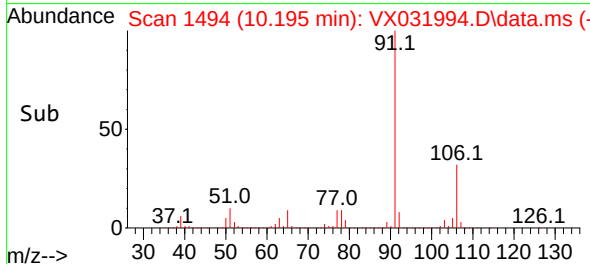
Instrument :
MSVOA_X
ClientSampleId :
DUP-093022



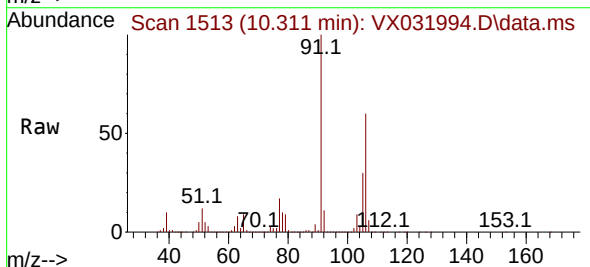
Tgt Ion: 91 Resp: 226662
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8

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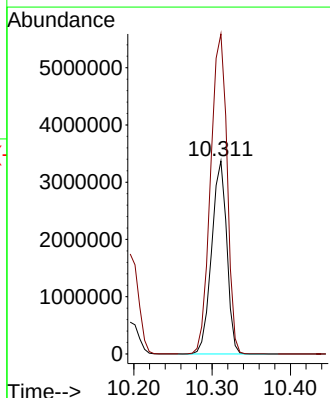
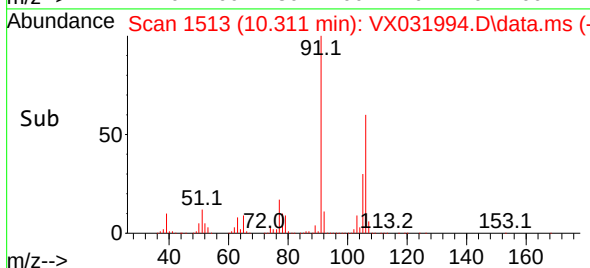
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022

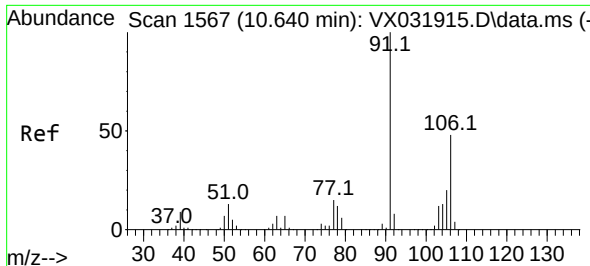


#68
m/p-Xylenes
Concen: 2159.058 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25



Tgt Ion:106 Resp: 4522889
Ion Ratio Lower Upper
106 100
91 180.4 161.0 241.4





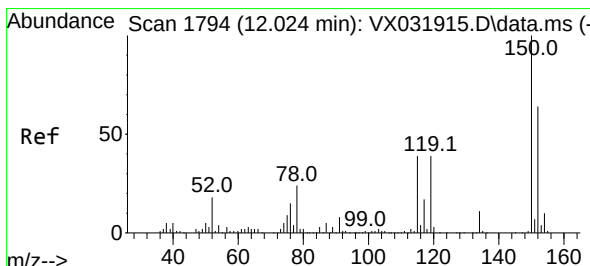
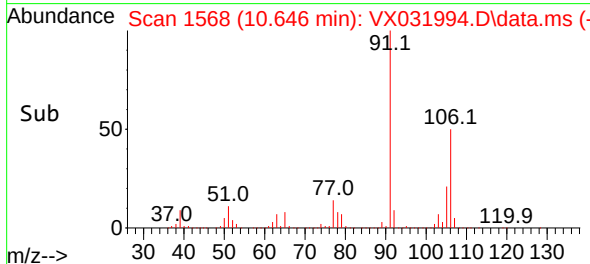
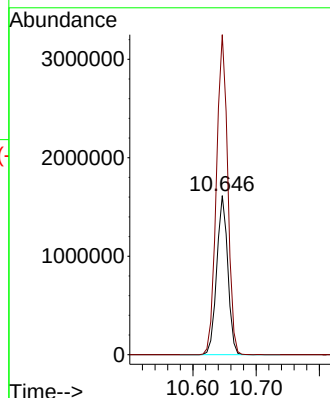
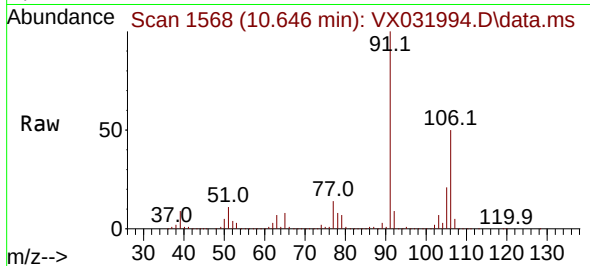
#69
o-Xylene
Concen: 960.107 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :
DUP-093022

Tgt Ion:106 Resp: 1954900
Ion Ratio Lower Upper
106 100
91 206.7 107.2 321.6

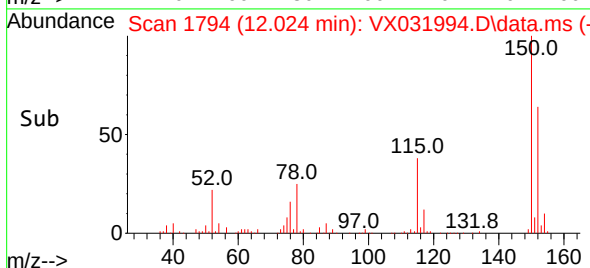
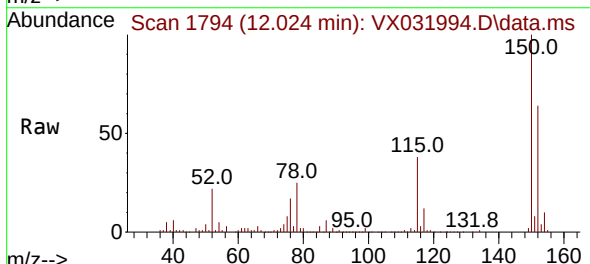
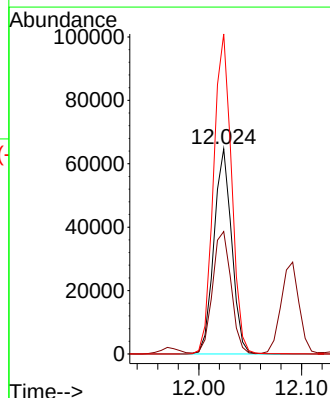
Manual Integrations
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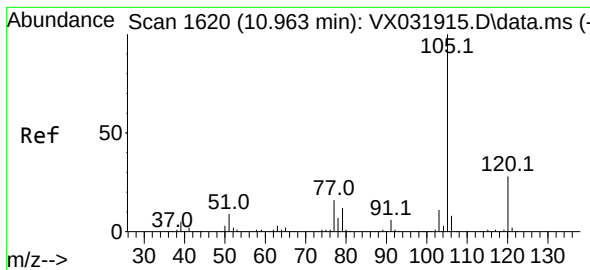
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Tgt Ion:152 Resp: 77164
Ion Ratio Lower Upper
152 100
115 62.4 43.4 130.1
150 158.8 0.0 346.8





#73

Isopropylbenzene

Concen: 27.771 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX031994.D

Acq: 08 Oct 2022 05:25

Instrument :

MSVOA_X

ClientSampleId :

DUP-093022

Tgt Ion:105 Resp: 16162

Ion Ratio Lower Upper

105 100

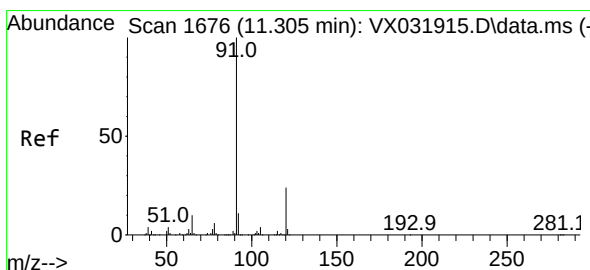
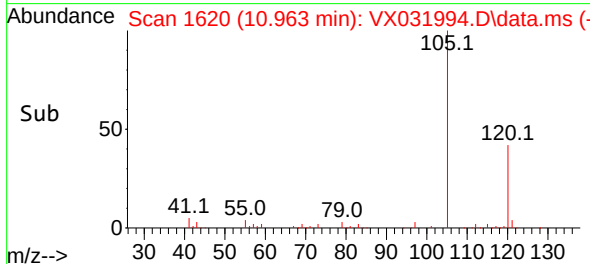
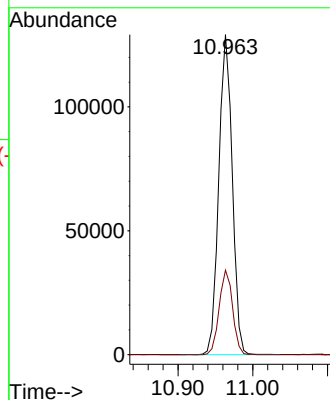
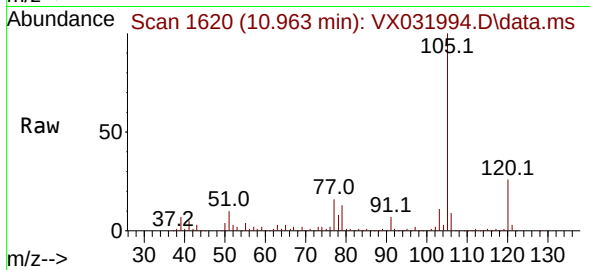
120 26.3 13.7 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2022

Supervised By :Mahesh Dadoda 10/10/2022



#78

n-propylbenzene

Concen: 64.805 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX031994.D

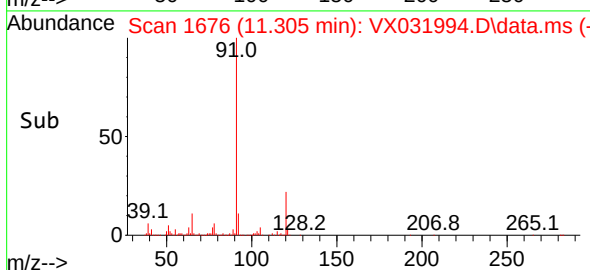
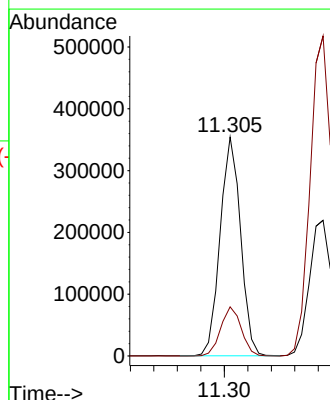
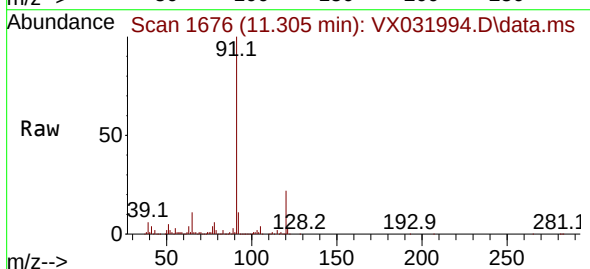
Acq: 08 Oct 2022 05:25

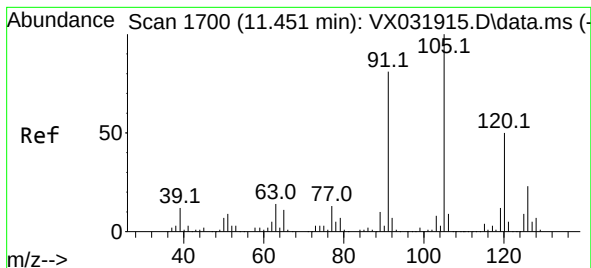
Tgt Ion: 91 Resp: 428986

Ion Ratio Lower Upper

91 100

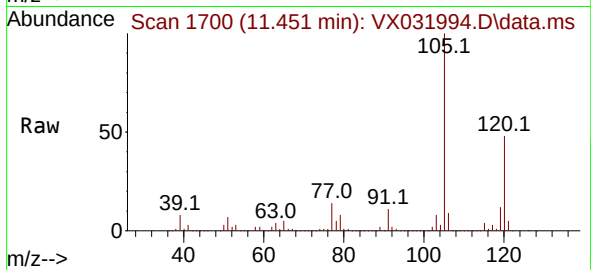
120 22.6 11.8 35.4





#80
1,3,5-Trimethylbenzene
Concen: 179.609 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

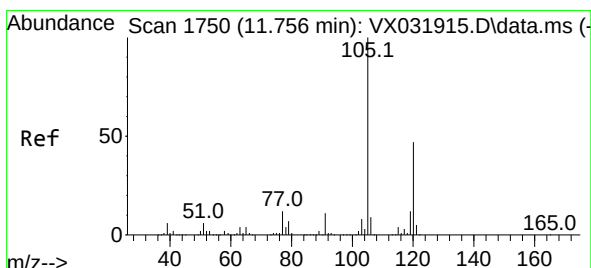
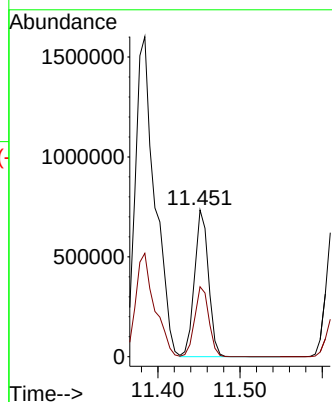
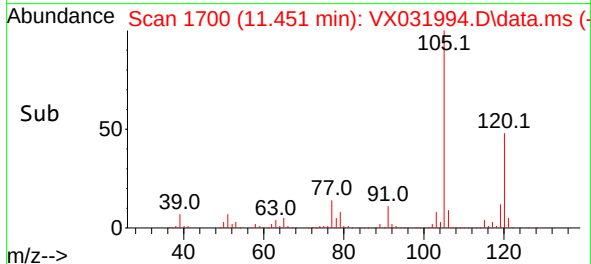
Instrument :
MSVOA_X
ClientSampleId :
DUP-093022



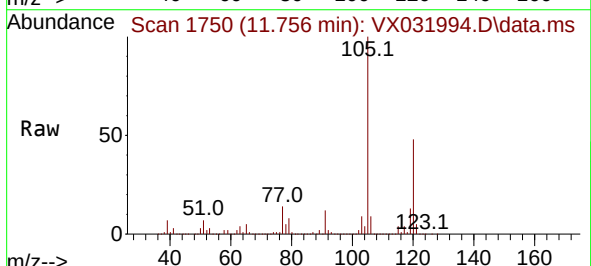
Tgt Ion:105 Resp: 866950
Ion Ratio Lower Upper
105 100
120 48.4 24.5 73.5

Manual Integrations
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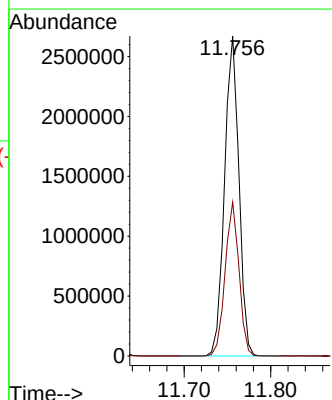
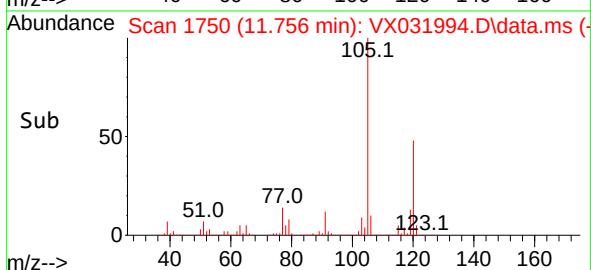
Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022

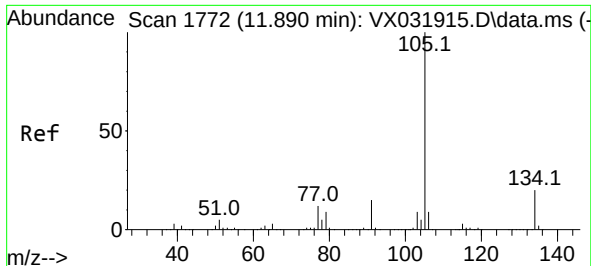


#84
1,2,4-Trimethylbenzene
Concen: 626.133 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25



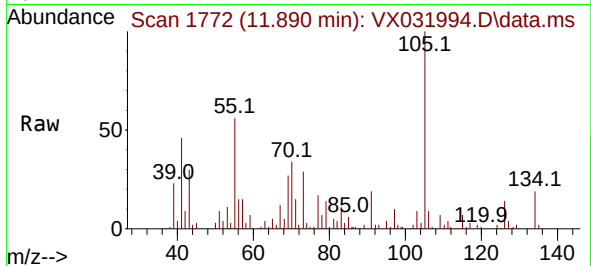
Tgt Ion:105 Resp: 3070234
Ion Ratio Lower Upper
105 100
120 46.6 22.6 67.8





#85
 sec-Butylbenzene
 Concen: 2.635 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX031994.D
 Acq: 08 Oct 2022 05:25

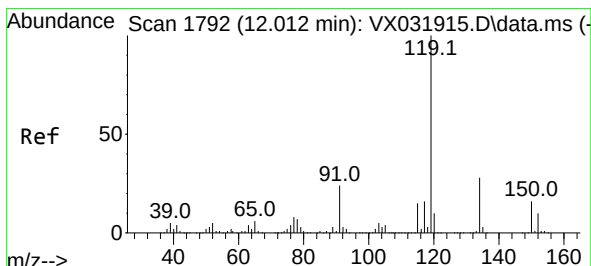
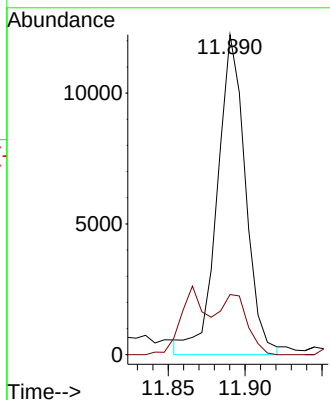
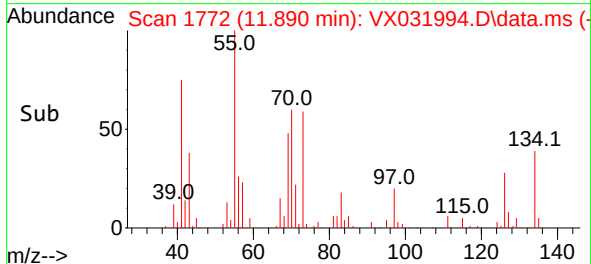
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-093022



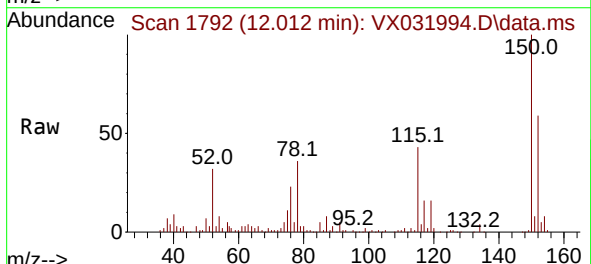
Tgt Ion:105 Resp: 15580
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#

Manual Integrations
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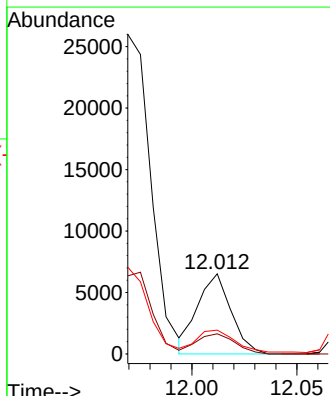
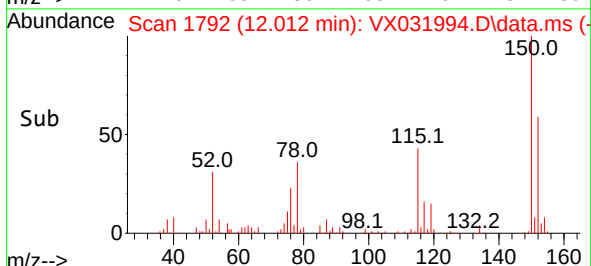
Reviewed By :John Carlone 10/10/2022
 Supervised By :Mahesh Dadoda 10/10/2022

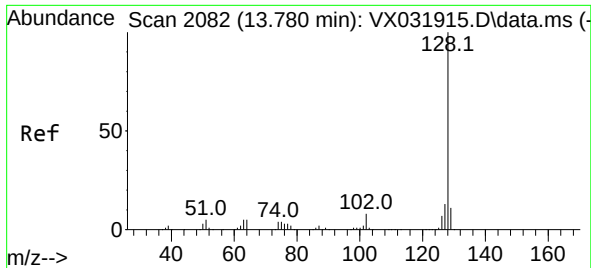


#86
 p-Isopropyltoluene
 Concen: 1.455 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX031994.D
 Acq: 08 Oct 2022 05:25



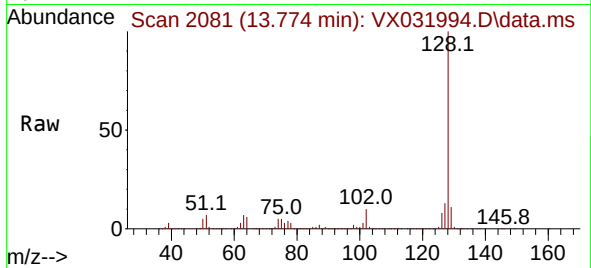
Tgt Ion:119 Resp: 7246
 Ion Ratio Lower Upper
 119 100
 134 116.5 13.4 40.2#
 91 0.0 12.4 37.2#





#95
Naphthalene
Concen: 61.537 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX031994.D
Acq: 08 Oct 2022 05:25

Instrument :
MSVOA_X
ClientSampleId :
DUP-093022



Tgt Ion:128 Resp: 347330
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.2 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/10/2022
Supervised By :Mahesh Dadoda 10/10/2022

