

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
 Data File : VX033065.D
 Acq On : 25 Nov 2022 14:09
 Operator : JC/MD
 Sample : N5747-03DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/28/2022
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 28 00:47:01 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

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	143176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72333	51.815	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.640%			
35) Dibromofluoromethane	5.385	113	58683	45.603	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.200%			
50) Toluene-d8	8.647	98	200907	51.975	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.960%			
62) 4-Bromofluorobenzene	11.079	95	74784	44.241	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.480%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.995	59	17767	80.384	ug/l #	88
19) Methyl tert-butyl Ether	3.111	73	9742	2.248	ug/l #	40
22) Diisopropyl ether	3.763	45	2282	0.520	ug/l #	84
31) Cyclohexane	5.470	56	7847	3.473	ug/l #	81
39) Methylcyclohexane	7.379	83	5723	2.438	ug/l	97
40) Benzene	6.037	78	435684	75.522	ug/l	99
52) Toluene	8.720	92	20705	5.455	ug/l	95
67) Ethyl Benzene	10.195	91	367311	51.386	ug/l	99
68) m/p-Xylenes	10.305	106	145965	52.147	ug/l	99
69) o-Xylene	10.640	106	88421	32.648	ug/l	99
73) Isopropylbenzene	10.963	105	26081	3.672	ug/l	98
78) n-propylbenzene	11.305	91	74050	9.119	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	49195	8.245	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	242928	40.831	ug/l	100
85) sec-Butylbenzene	11.890	105	3561m	0.501	ug/l	
86) p-Isopropyltoluene	12.012	119	1881	0.312	ug/l #	77
89) n-Butylbenzene	12.329	91	6988	1.347	ug/l #	32
95) Naphthalene	13.774	128	119107	18.740	ug/l	99

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

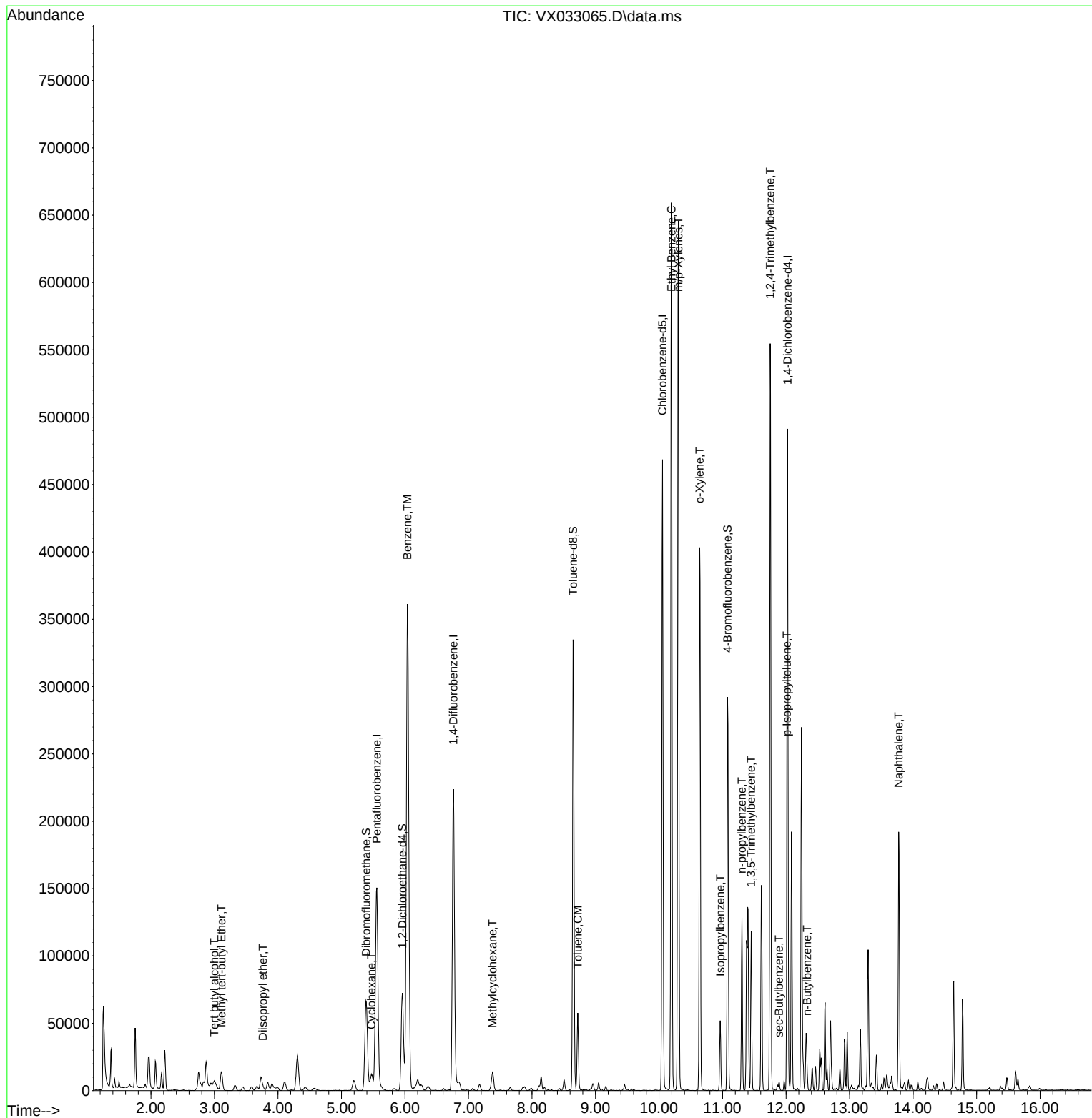
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
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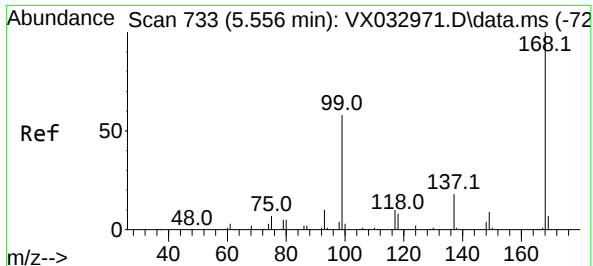
Instrument :
MSVOA_X
ClientSampleId :
MW-38DL

Quant Time: Nov 28 00:47:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
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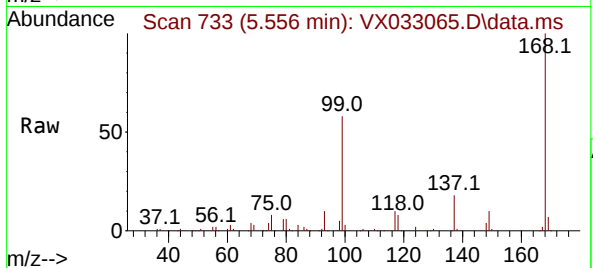
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

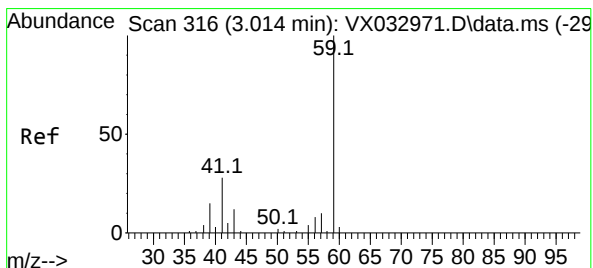
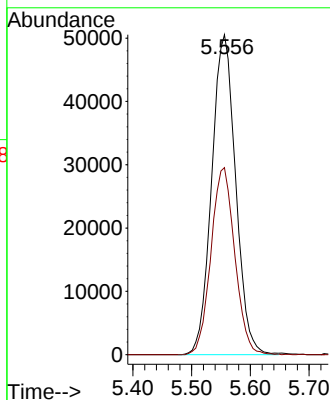
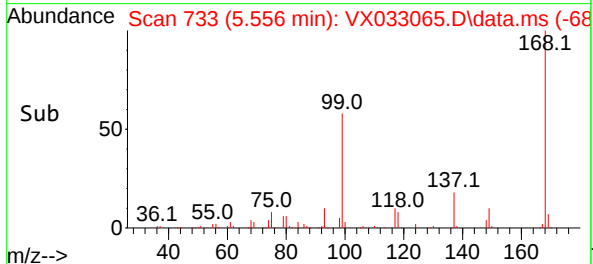
Instrument :
MSVOA_X
ClientSampleId :
MW-38DL



Tgt Ion:168 Resp: 143170
Ion Ratio Lower Upper
168 100
99 58.5 46.1 69.1

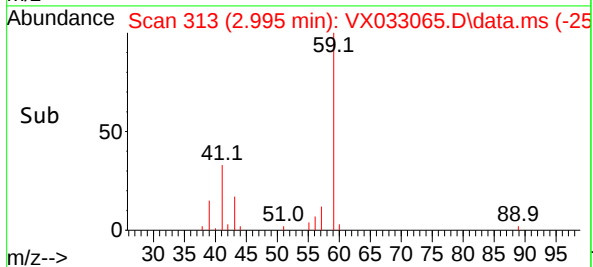
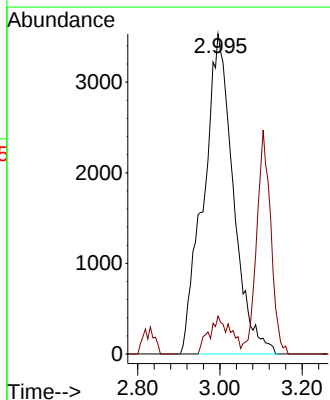
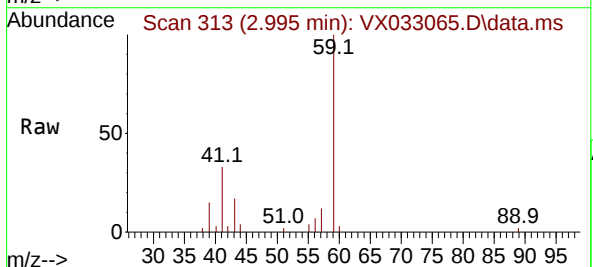
Manual Integrations
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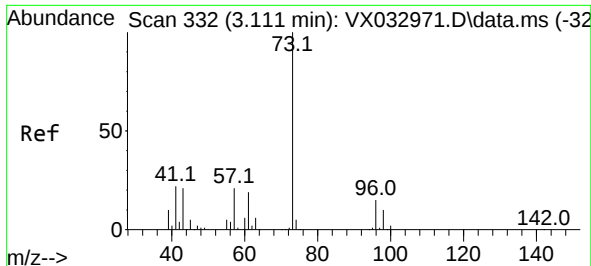
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#11
Tert butyl alcohol
Concen: 80.384 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.030 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Tgt Ion: 59 Resp: 17767
Ion Ratio Lower Upper
59 100
57 5.9 8.2 12.4#





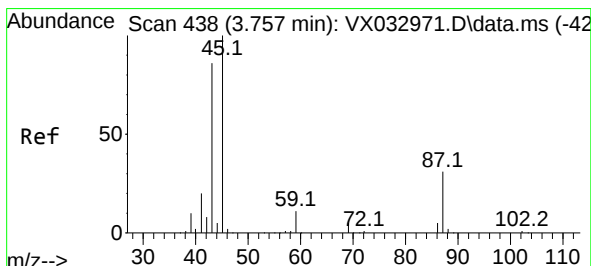
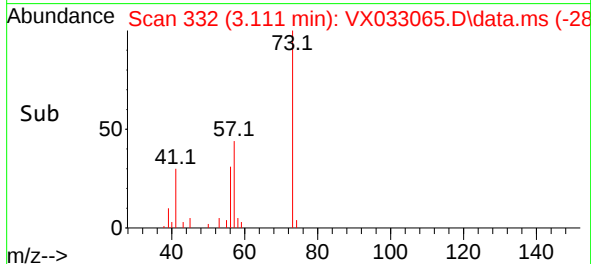
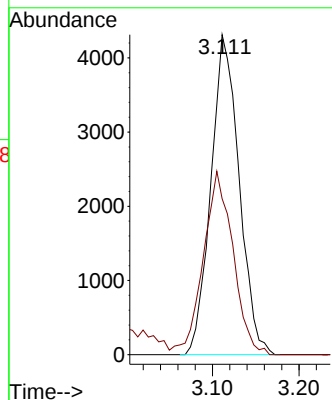
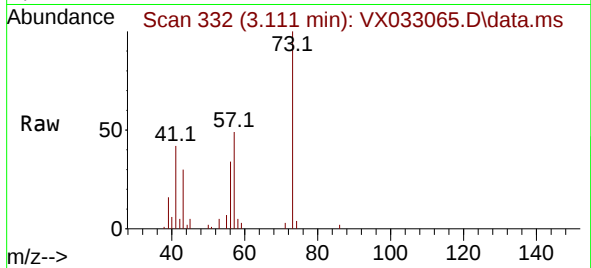
#19
Methyl tert-butyl Ether
Concen: 2.248 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Instrument :
MSVOA_X
ClientSampleId :
MW-38DL

Tgt Ion: 73 Resp: 974
Ion Ratio Lower Upper
73 100
57 48.7 16.6 25.0

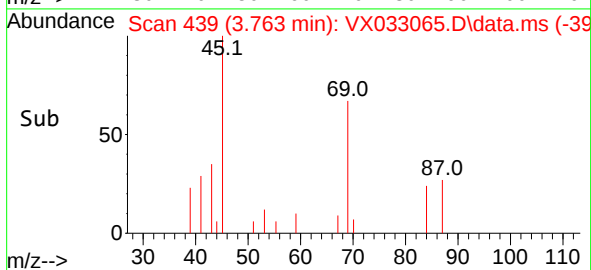
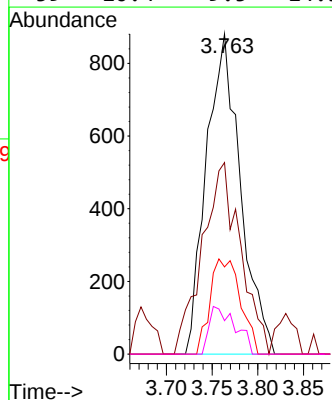
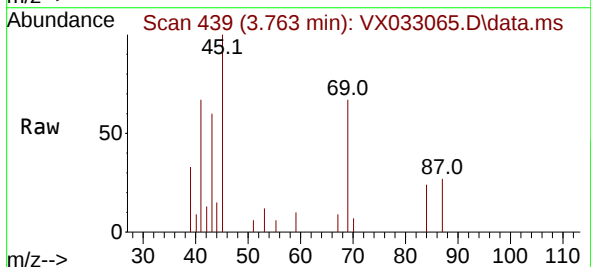
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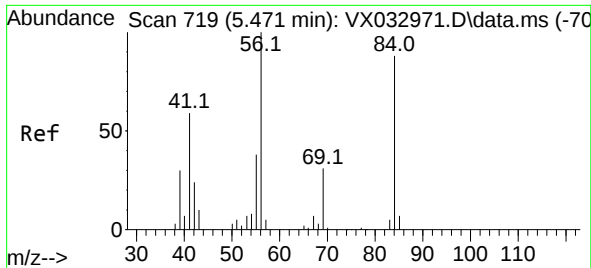
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#22
Diisopropyl ether
Concen: 0.520 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

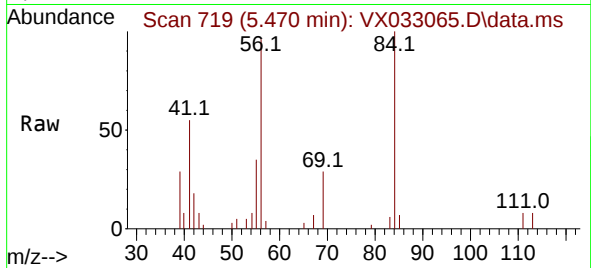
Tgt Ion: 45 Resp: 2282
Ion Ratio Lower Upper
45 100
43 52.2 56.4 84.6#
87 27.2 24.4 36.6
59 10.4 9.5 14.3





#31
Cyclohexane
Concen: 3.473 ug/l
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

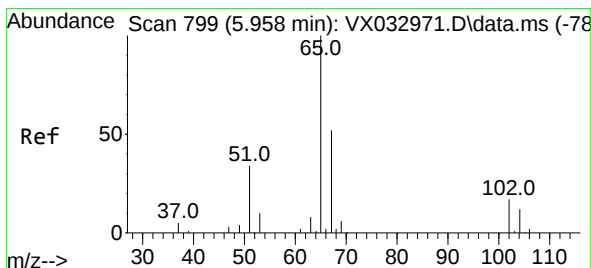
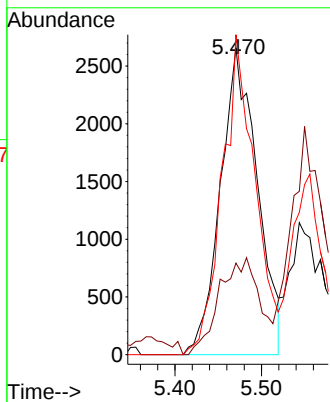
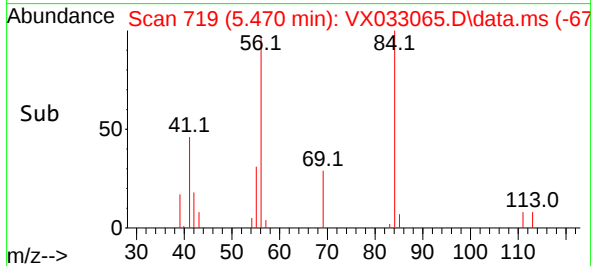
Instrument :
MSVOA_X
ClientSampleId :
MW-38DL



Tgt Ion: 56 Resp: 784
Ion Ratio Lower Upper
56 100
69 25.5 24.1 36.1
84 104.3 66.9 100.3

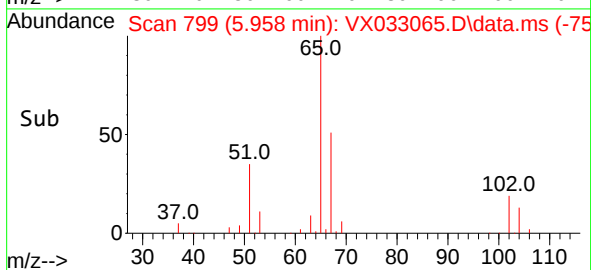
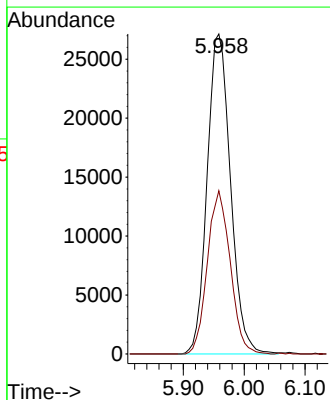
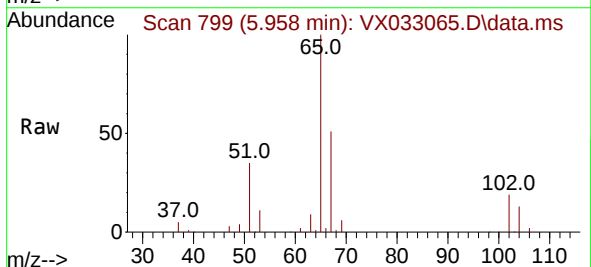
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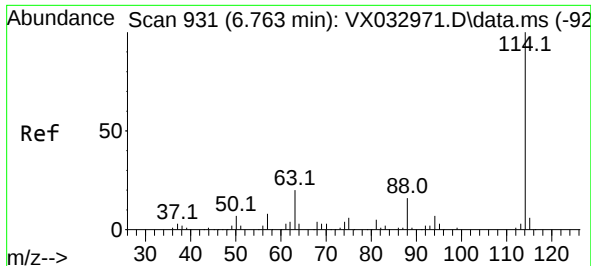
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#33
1,2-Dichloroethane-d4
Concen: 51.815 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Tgt Ion: 65 Resp: 72333
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.8





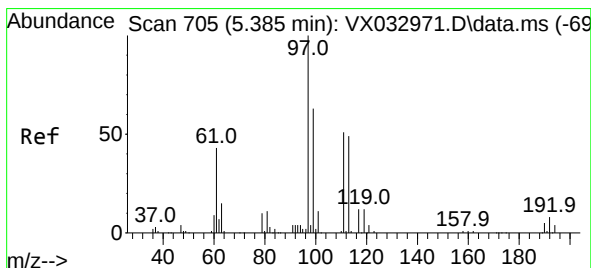
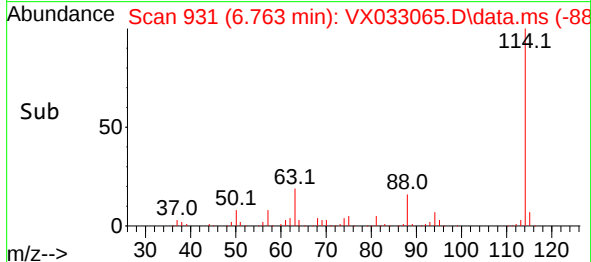
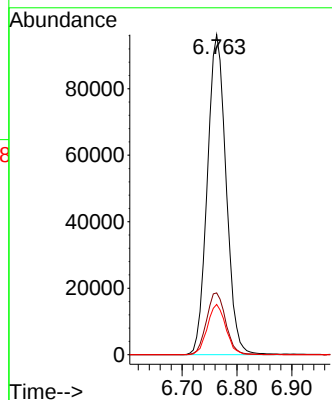
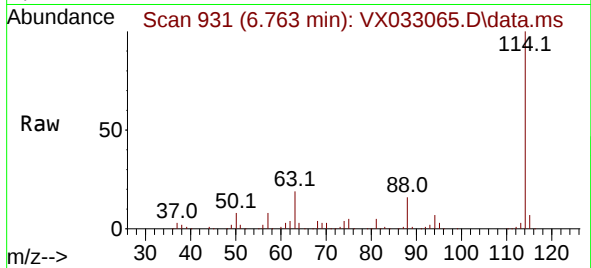
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Instrument :
MSVOA_X
ClientSampleId :
MW-38DL

Tgt Ion:114 Resp: 22825
Ion Ratio Lower Upper
114 100
63 19.3 0.0 41.6
88 15.7 0.0 33.4

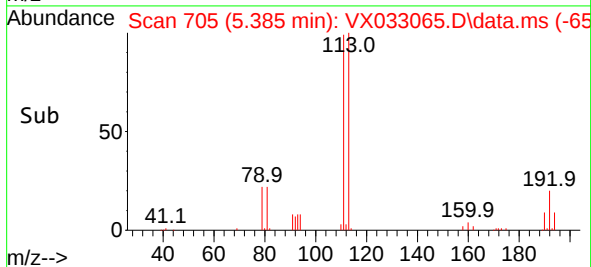
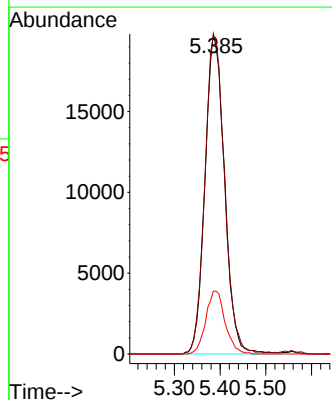
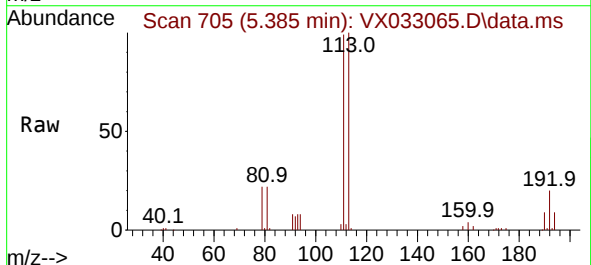
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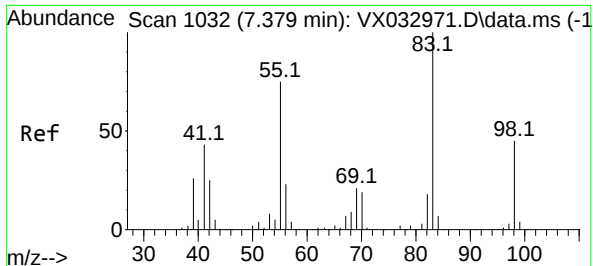
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#35
Dibromofluoromethane
Concen: 45.603 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

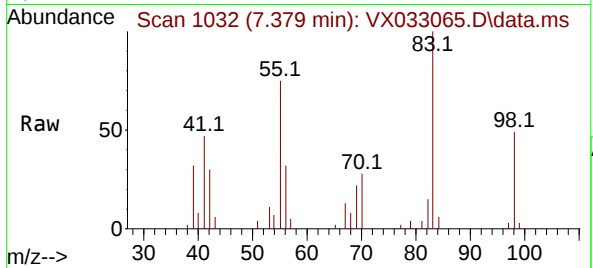
Tgt Ion:113 Resp: 58683
Ion Ratio Lower Upper
113 100
111 100.6 82.4 123.6
192 19.4 15.4 23.2





#39
Methylcyclohexane
Concen: 2.438 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

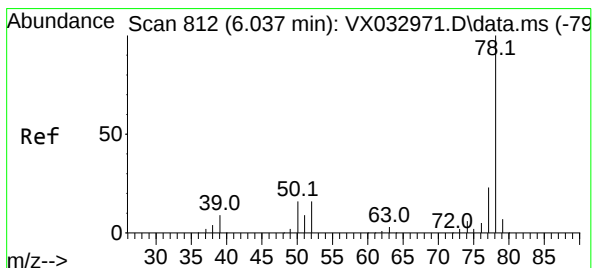
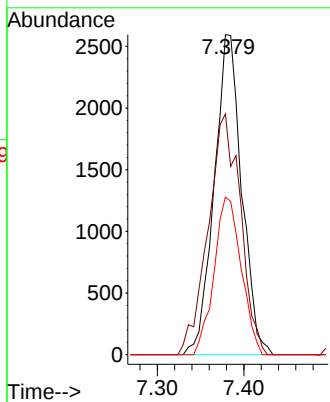
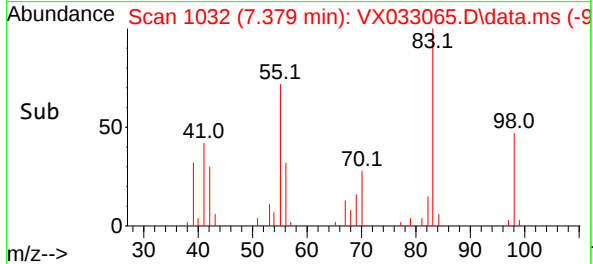
Instrument :
MSVOA_X
ClientSampleId :
MW-38DL



Tgt Ion: 83 Resp: 572
Ion Ratio Lower Upper
83 100
55 75.3 58.4 87.6
98 49.2 37.2 55.8

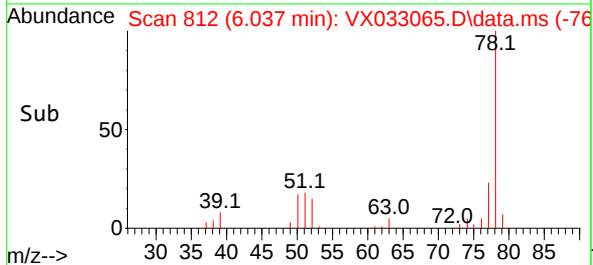
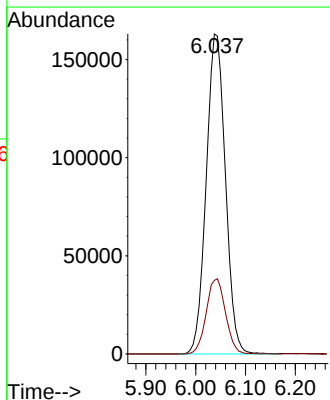
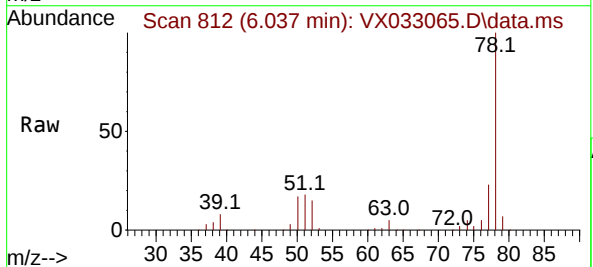
Manual Integrations
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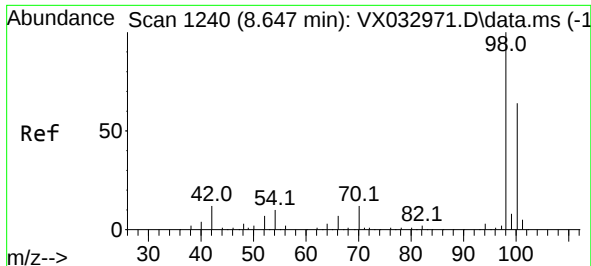
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#40
Benzene
Concen: 75.522 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Tgt Ion: 78 Resp: 435684
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4





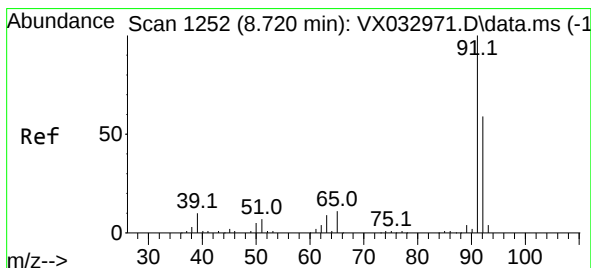
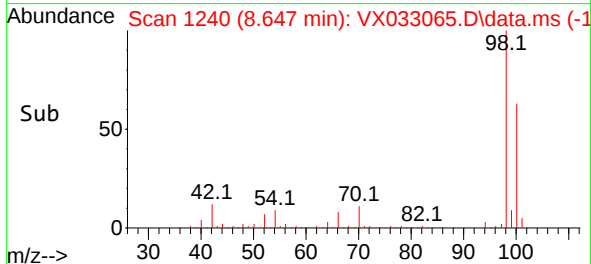
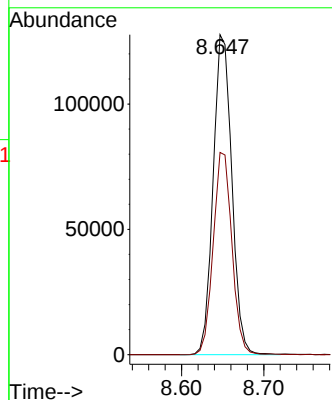
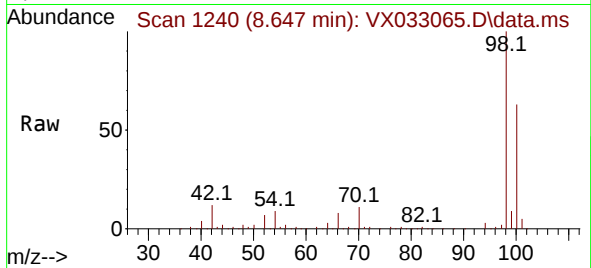
#50
Toluene-d8
Concen: 51.975 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Instrument :
MSVOA_X
ClientSampleId :
MW-38DL

Tgt Ion: 98 Resp: 20090
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

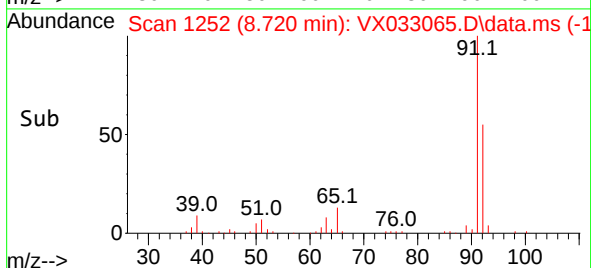
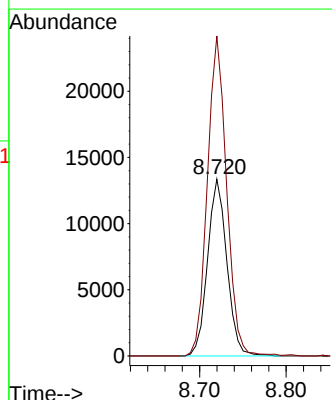
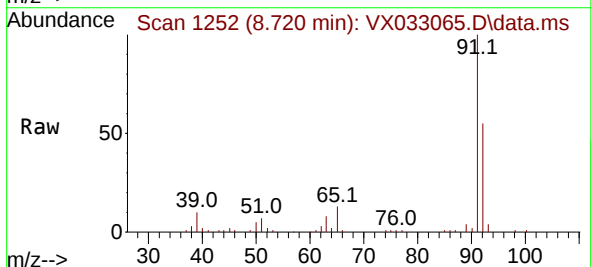
Manual Integrations
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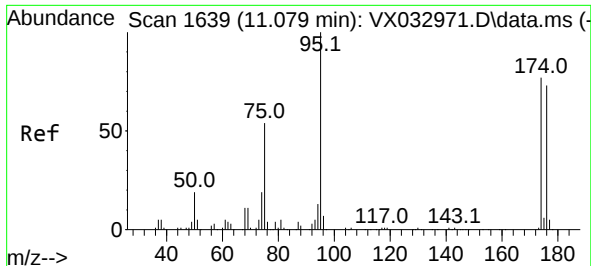
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#52
Toluene
Concen: 5.455 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Tgt Ion: 92 Resp: 20705
Ion Ratio Lower Upper
92 100
91 180.1 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 44.241 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033065.D

Acq: 25 Nov 2022 14:09

Instrument :

MSVOA_X

ClientSampleId :

MW-38DL

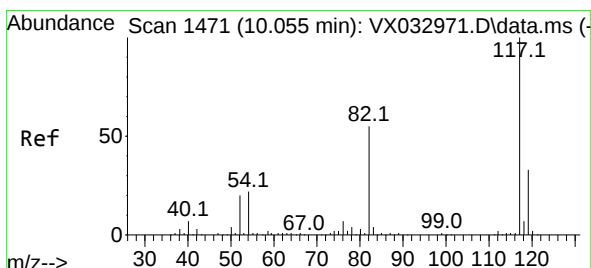
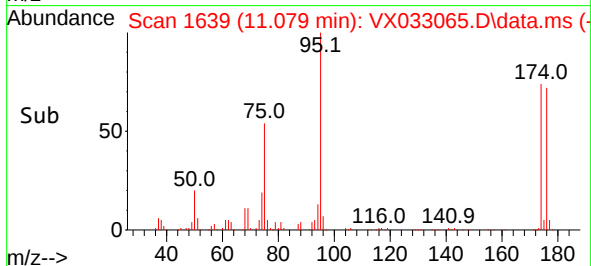
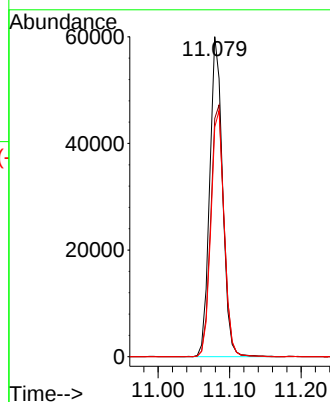
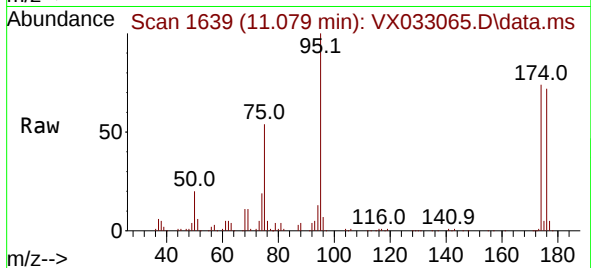
Tgt Ion: 95	Resp: 74784
Ion Ratio	Lower Upper
95 100	
174 81.9	0.0 164.0
176 79.5	0.0 154.4

Manual Integrations

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Reviewed By :John Carlone 11/28/2022

Supervised By :Mahesh Dadoda 11/28/2022



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

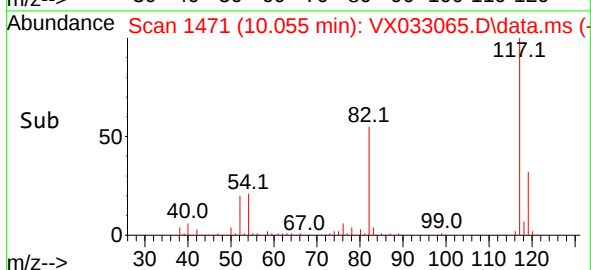
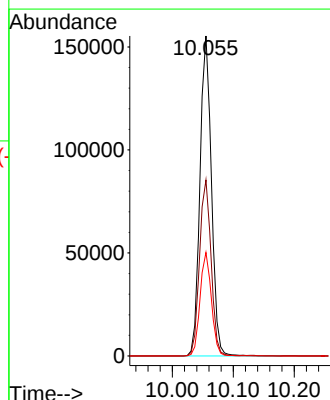
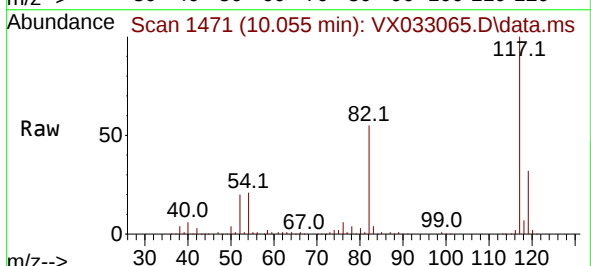
RT: 10.055 min Scan# 1471

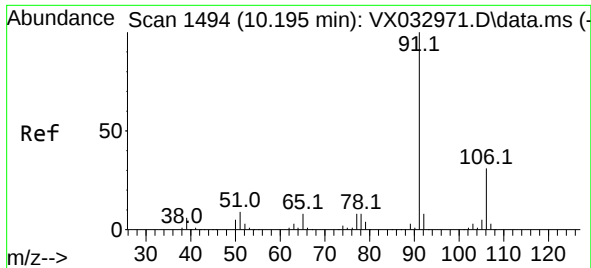
Delta R.T. 0.000 min

Lab File: VX033065.D

Acq: 25 Nov 2022 14:09

Tgt Ion: 117	Resp: 202114
Ion Ratio	Lower Upper
117 100	
82 55.0	44.3 66.5
119 32.4	25.7 38.5





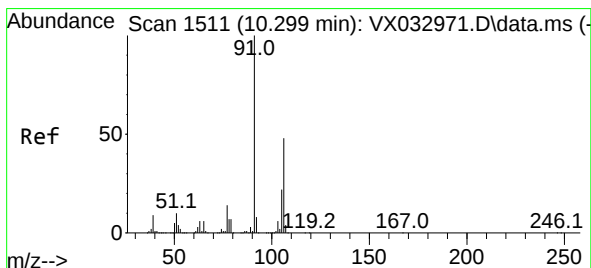
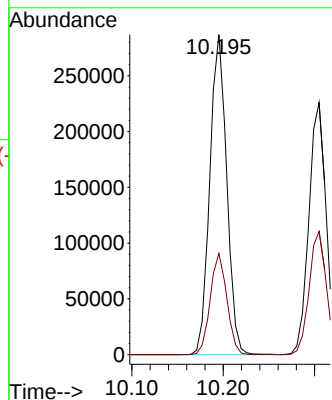
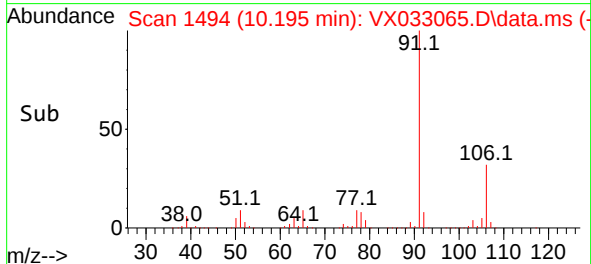
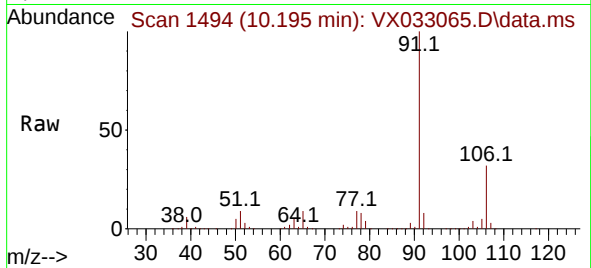
#67
Ethyl Benzene
Concen: 51.386 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Instrument :
MSVOA_X
ClientSampleId :
MW-38DL

Tgt Ion: 91 Resp: 36731
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

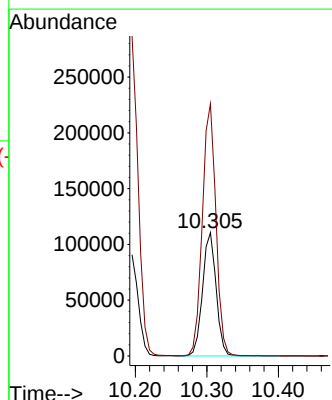
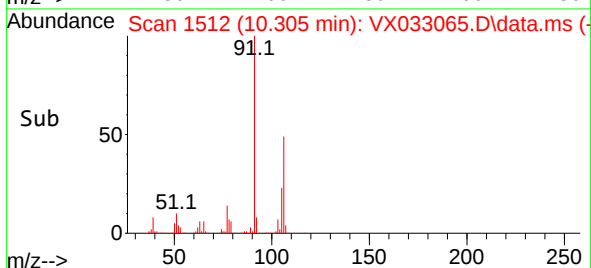
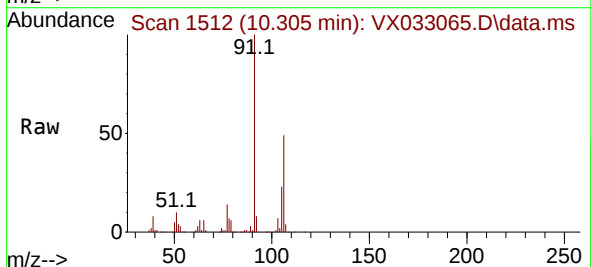
Manual Integrations
APPROVED

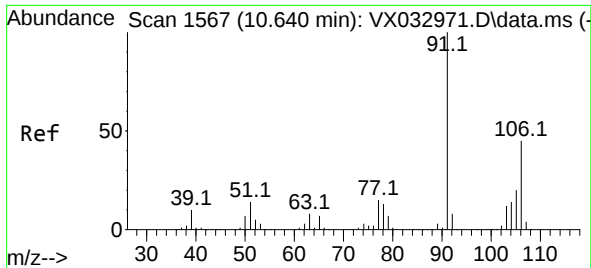
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#68
m/p-Xylenes
Concen: 52.147 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Tgt Ion:106 Resp: 145965
Ion Ratio Lower Upper
106 100
91 204.4 164.5 246.7





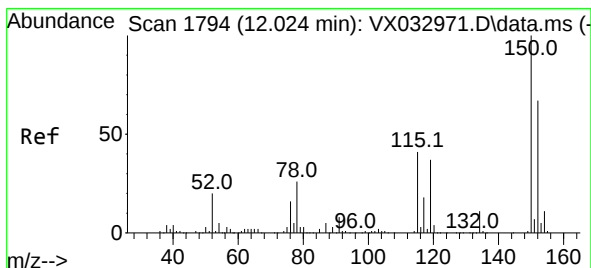
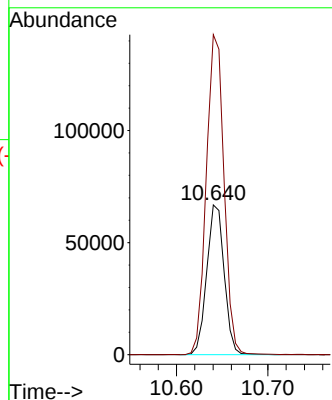
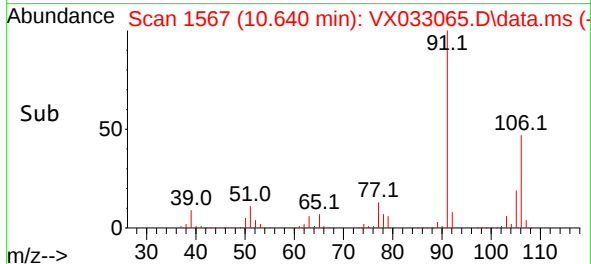
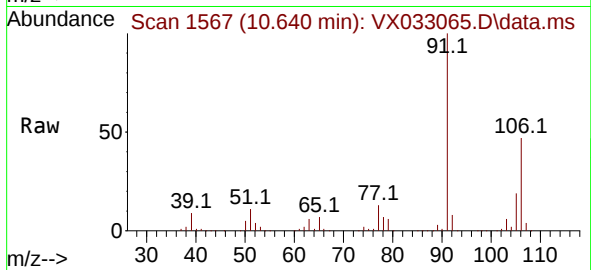
#69
o-Xylene
Concen: 32.648 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Instrument :
MSVOA_X
ClientSampleId :
MW-38DL

Tgt Ion:106 Resp: 8842
Ion Ratio Lower Upper
106 100
91 216.9 109.2 327.6

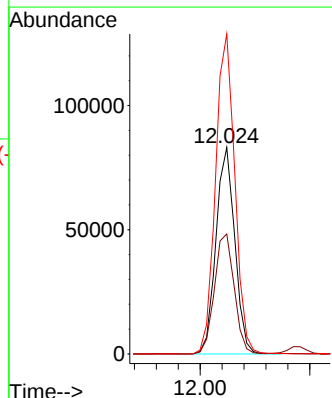
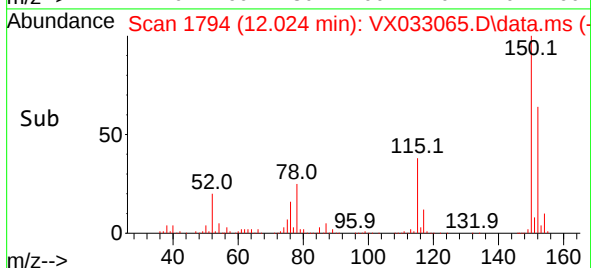
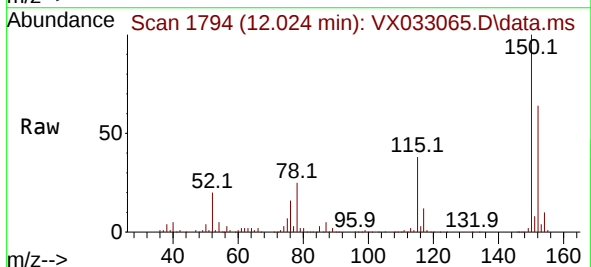
Manual Integrations
APPROVED

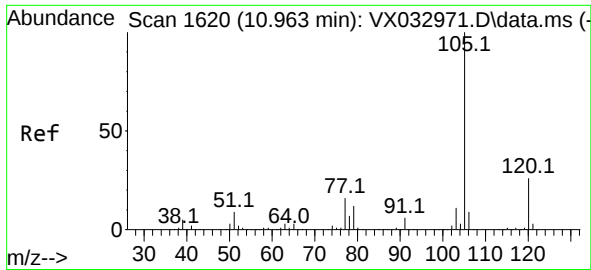
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Tgt Ion:152 Resp: 99395
Ion Ratio Lower Upper
152 100
115 61.0 44.0 132.0
150 158.3 0.0 351.8





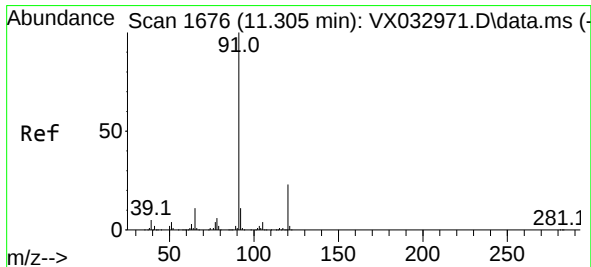
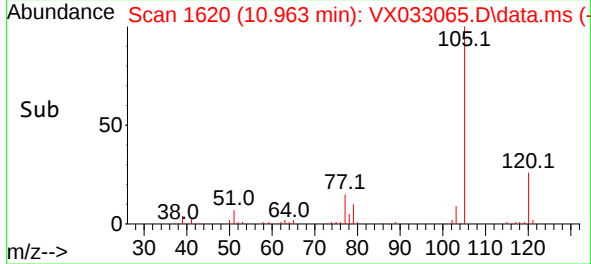
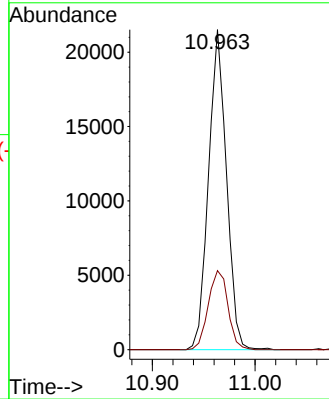
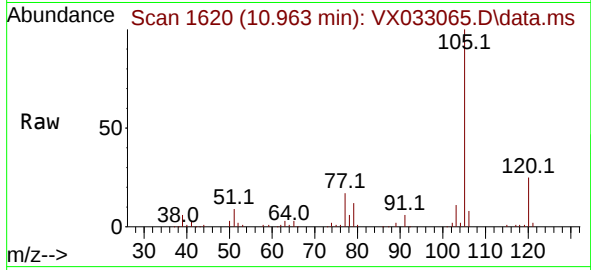
#73
Isopropylbenzene
Concen: 3.672 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

Instrument :
MSVOA_X
ClientSampleId :
MW-38DL

Tgt Ion:105 Resp: 2608
Ion Ratio Lower Upper
105 100
120 27.1 13.1 39.3

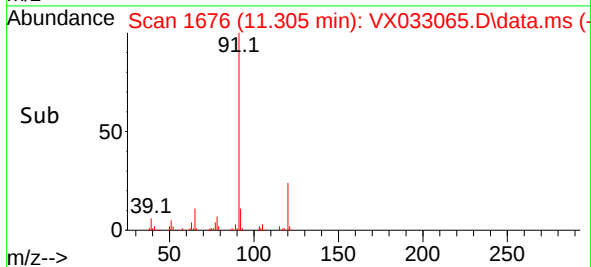
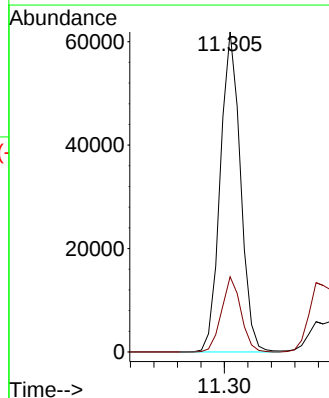
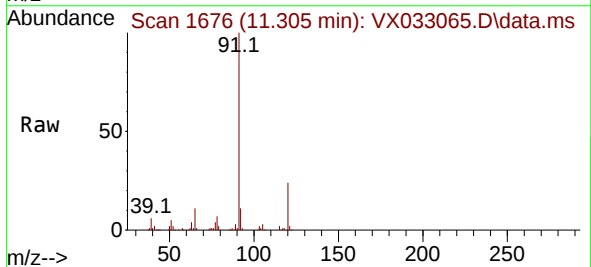
Manual Integrations
APPROVED

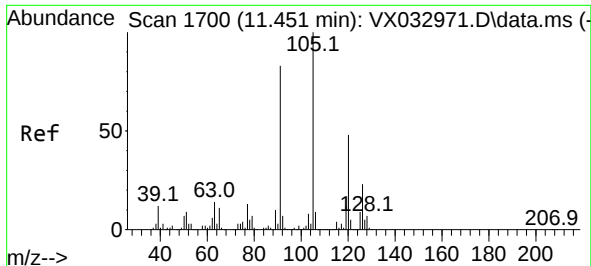
Reviewed By :John Carlone 11/28/2022
Supervised By :Mahesh Dadoda 11/28/2022



#78
n-propylbenzene
Concen: 9.119 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX033065.D
Acq: 25 Nov 2022 14:09

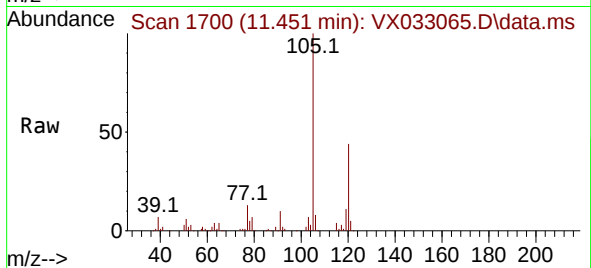
Tgt Ion: 91 Resp: 74050
Ion Ratio Lower Upper
91 100
120 22.5 11.6 34.8





#80
 1,3,5-Trimethylbenzene
 Concen: 8.245 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX033065.D
 Acq: 25 Nov 2022 14:09

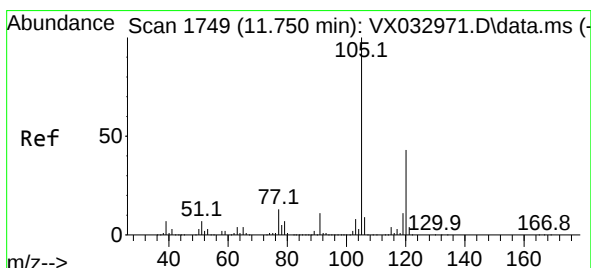
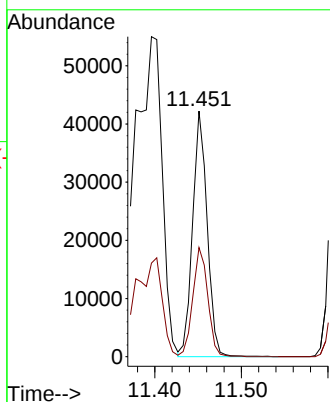
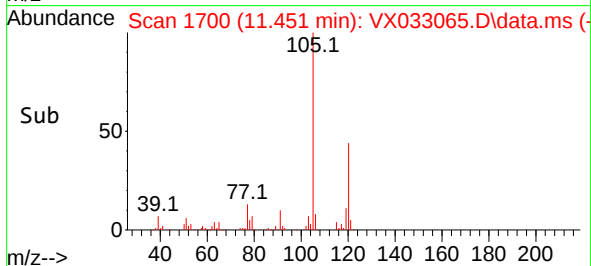
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38DL



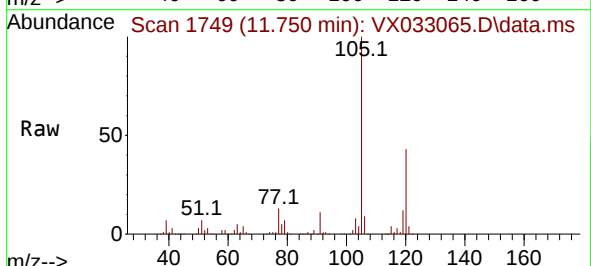
Tgt Ion:105 Resp: 49198
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.6 71.0

Manual Integrations
 APPROVED

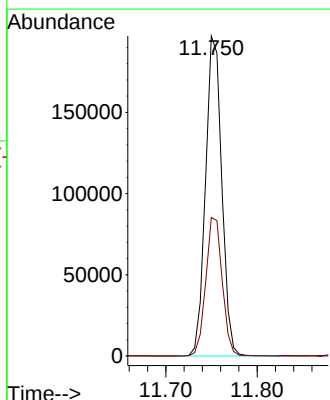
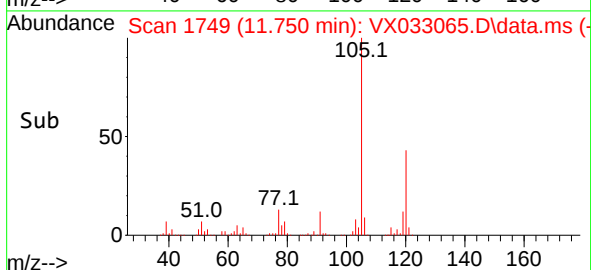
Reviewed By :John Carlone 11/28/2022
 Supervised By :Mahesh Dadoda 11/28/2022

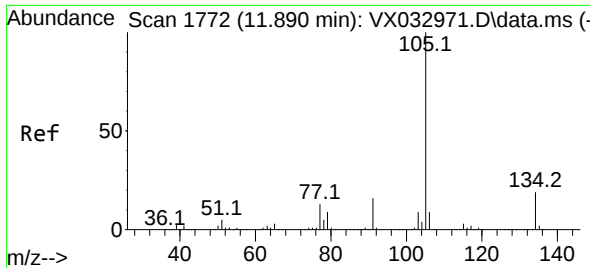


#84
 1,2,4-Trimethylbenzene
 Concen: 40.831 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX033065.D
 Acq: 25 Nov 2022 14:09



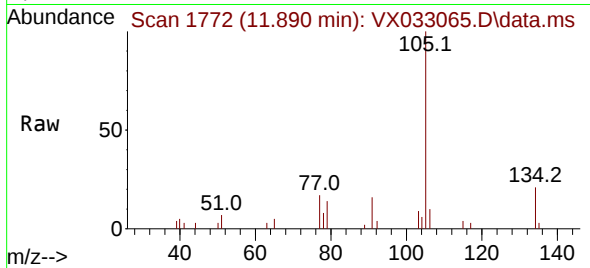
Tgt Ion:105 Resp: 242928
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.9 65.5





#85
 sec-Butylbenzene
 Concen: 0.501 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033065.D
 Acq: 25 Nov 2022 14:09

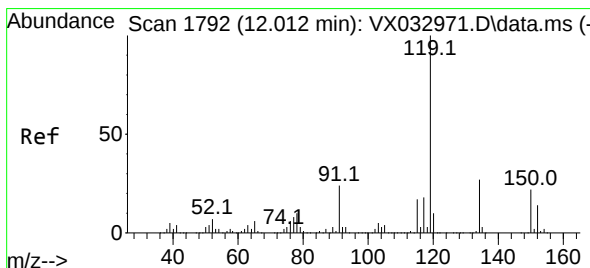
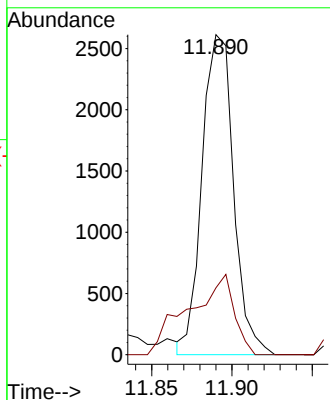
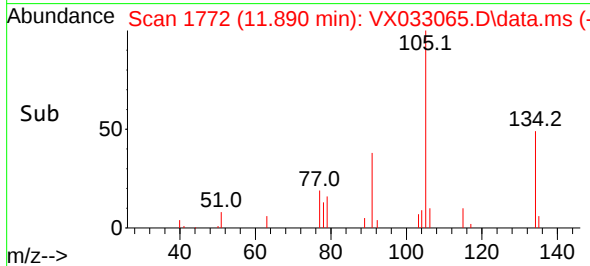
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-38DL



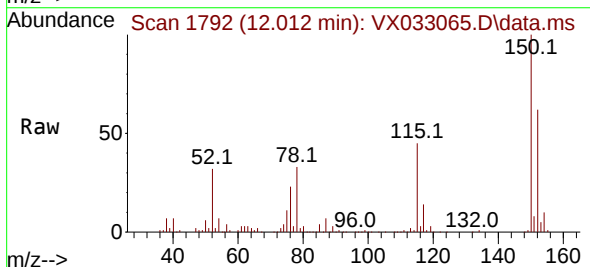
Tgt Ion:105 Resp: 356
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7

Manual Integrations
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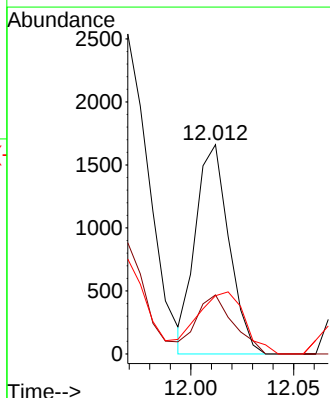
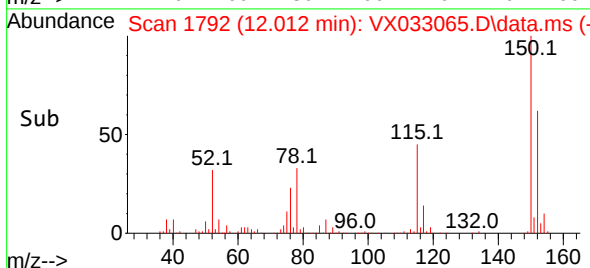
Reviewed By :John Carlone 11/28/2022
 Supervised By :Mahesh Dadoda 11/28/2022

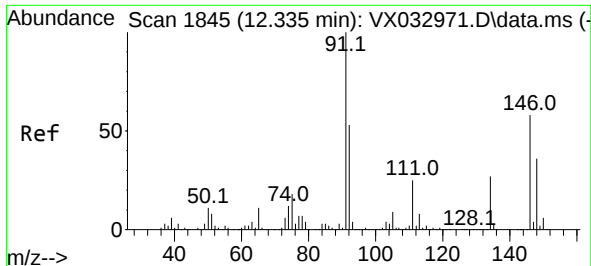


#86
 p-Isopropyltoluene
 Concen: 0.312 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX033065.D
 Acq: 25 Nov 2022 14:09



Tgt Ion:119 Resp: 1881
 Ion Ratio Lower Upper
 119 100
 134 31.4 12.9 38.7
 91 43.1 12.5 37.5





#89

n-Butylbenzene

Concen: 1.347 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX033065.D

Acq: 25 Nov 2022 14:09

Instrument :

MSVOA_X

ClientSampleId :

MW-38DL

Tgt Ion: 91 Resp: 698

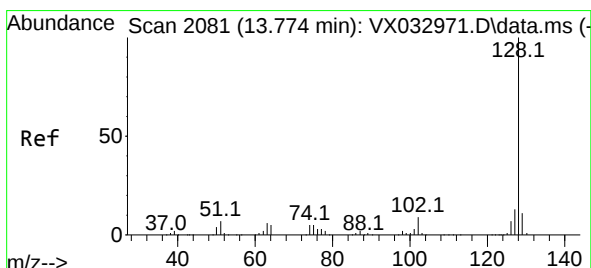
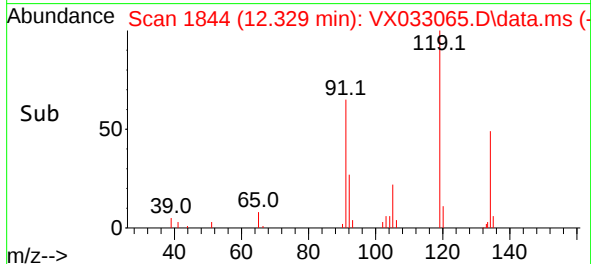
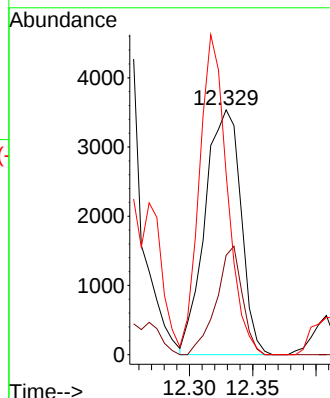
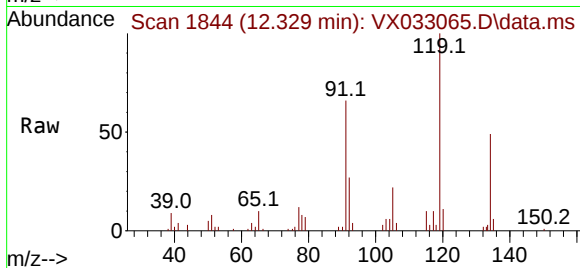
Ion	Ratio	Lower	Upper
91	100		
92	32.1	26.2	78.6
134	101.0	12.9	38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/28/2022

Supervised By :Mahesh Dadoda 11/28/2022



#95

Naphthalene

Concen: 18.740 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX033065.D

Acq: 25 Nov 2022 14:09

Tgt Ion:128 Resp: 119107

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.9	13.3

