

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110922\
 Data File : VX032689.D
 Acq On : 09 Nov 2022 18:57
 Operator : JC/MD
 Sample : N5551-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

Quant Time: Nov 10 03:06:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2022
 Supervised By :Mahesh Dadoda 11/10/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	113782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79379	50.209	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.420%			
35) Dibromofluoromethane	5.385	113	62164	45.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.260%			
50) Toluene-d8	8.647	98	238913	50.430	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.860%			
62) 4-Bromofluorobenzene	11.079	95	101248	54.712	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.420%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	16870	73.313	ug/l #	72
19) Methyl tert-butyl Ether	3.111	73	194560	48.512	ug/l #	1
22) Diisopropyl ether	3.757	45	30477	7.746	ug/l #	86
31) Cyclohexane	5.471	56	105024	54.788	ug/l #	92
39) Methylcyclohexane	7.379	83	64085	28.549	ug/l #	89
40) Benzene	6.044	78	848449	158.030	ug/l	99
52) Toluene	8.720	92	186113	53.132	ug/l	100
67) Ethyl Benzene	10.201	91	6189518	890.617	ug/l	89
68) m/p-Xylenes	10.305	106	425143	157.541	ug/l	100
69) o-Xylene	10.640	106	129828	49.481	ug/l	99
73) Isopropylbenzene	10.963	105	289314	38.389	ug/l	99
78) n-propylbenzene	11.305	91	837314	96.431	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	169870	26.373	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	2319449	362.055	ug/l	98
85) sec-Butylbenzene	11.890	105	34563m	4.467	ug/l	
86) p-Isopropyltoluene	12.012	119	8414m	1.281	ug/l	
89) n-Butylbenzene	12.335	91	50467	8.835	ug/l #	70
95) Naphthalene	13.774	128	653395	87.511	ug/l	100

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

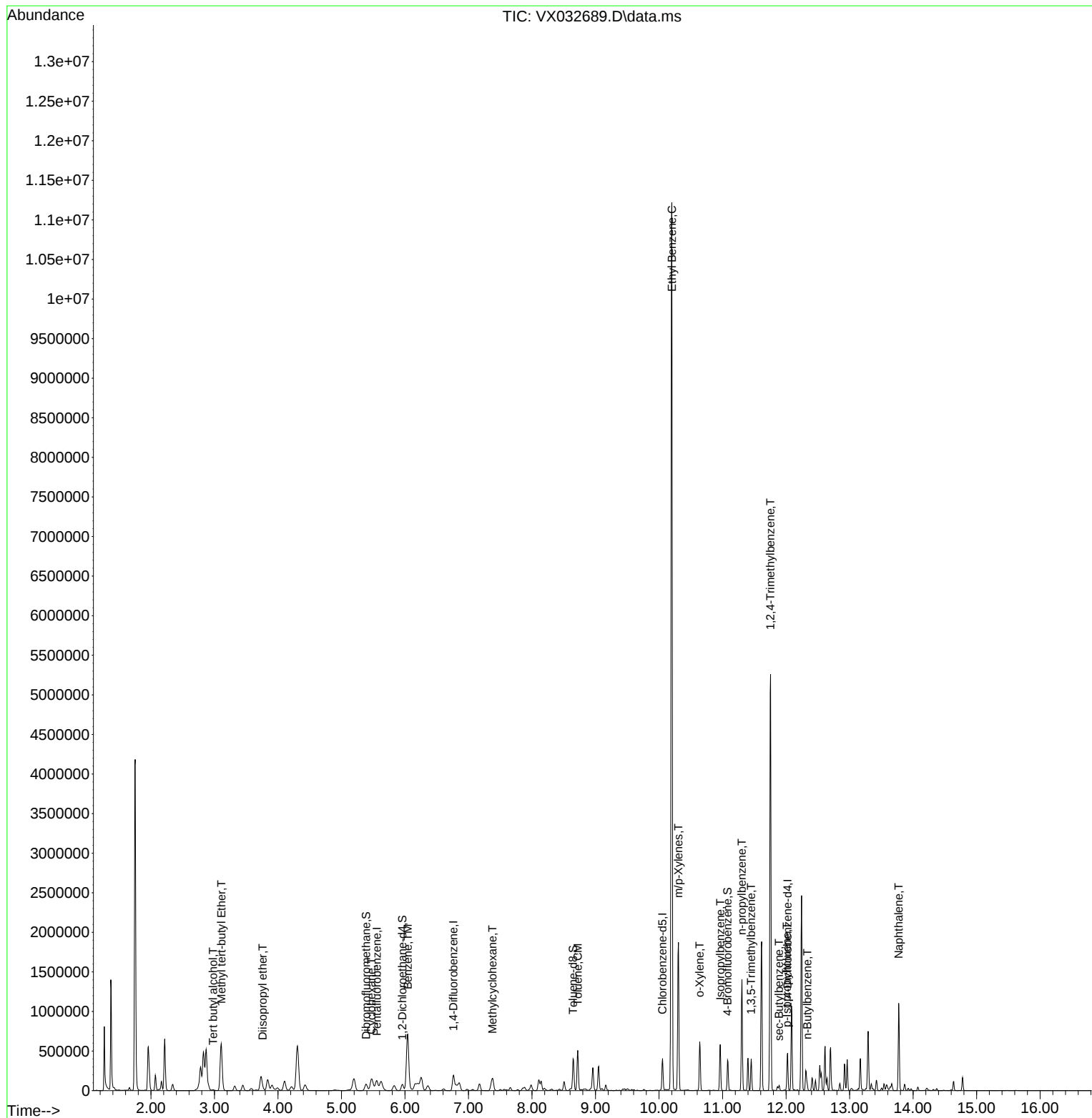
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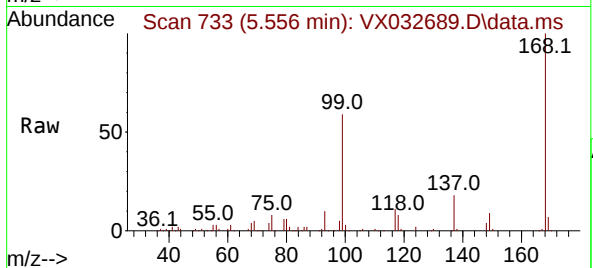
Quant Time: Nov 10 03:06:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

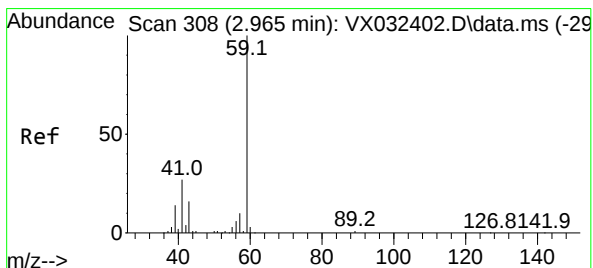
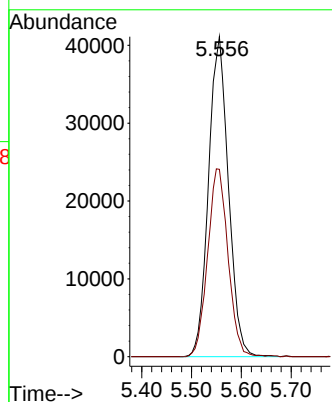
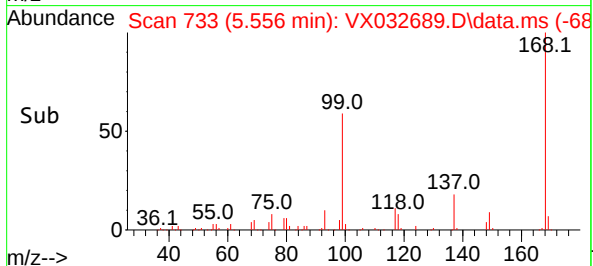
Instrument :
MSVOA_X
ClientSampleId :
MW-14



Tgt Ion:168 Resp: 113782
Ion Ratio Lower Upper
168 100
99 58.5 46.1 69.1

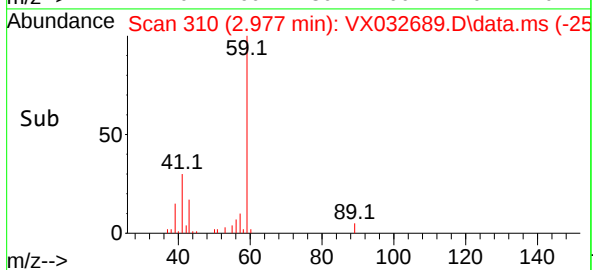
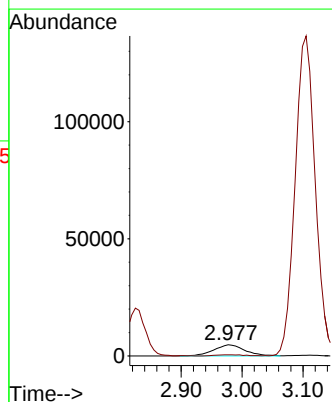
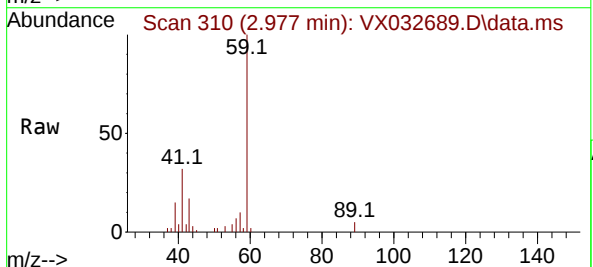
Manual Integrations
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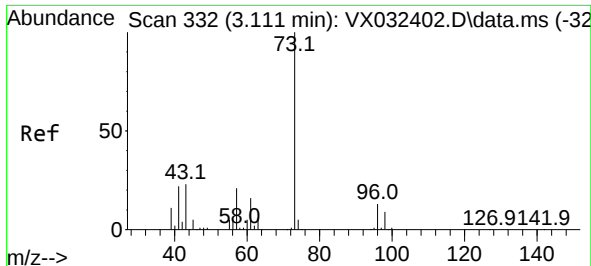
Reviewed By :John Carlone 11/10/2022
Supervised By :Mahesh Dadoda 11/10/2022



#11
Tert butyl alcohol
Concen: 73.313 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.012 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

Tgt Ion: 59 Resp: 16870
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





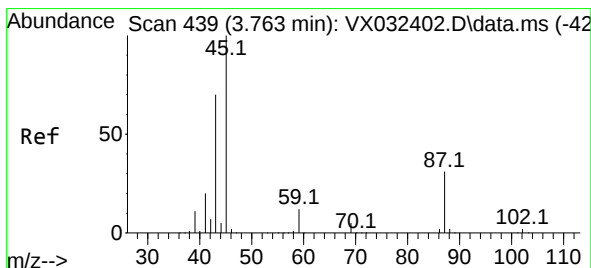
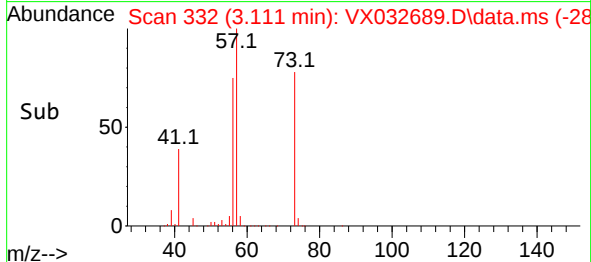
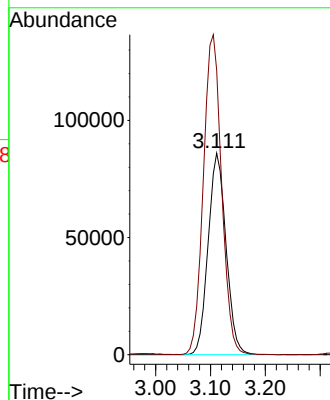
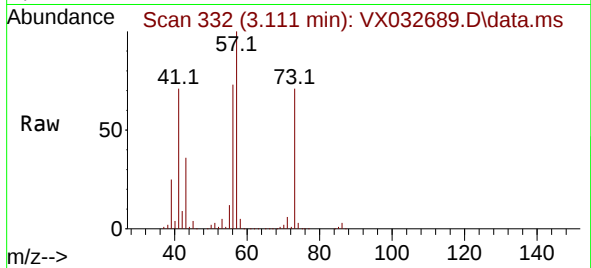
#19
Methyl tert-butyl Ether
Concen: 48.512 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion: 73 Resp: 194560
Ion Ratio Lower Upper
73 100
57 141.2 16.6 25.0

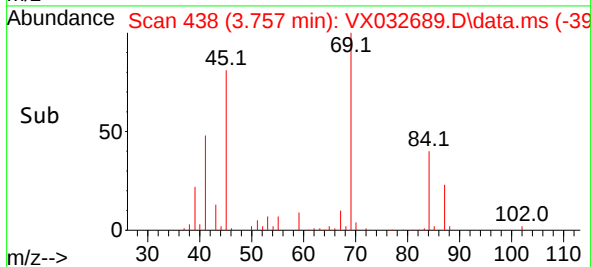
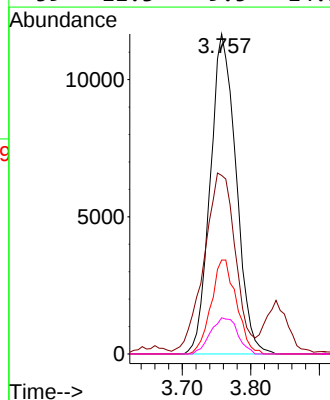
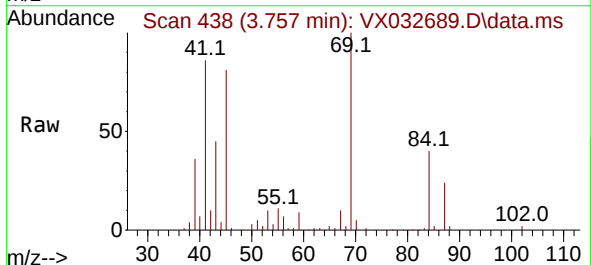
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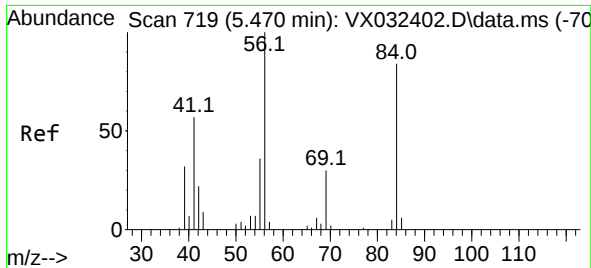
Reviewed By :John Carlone 11/10/2022
Supervised By :Mahesh Dadoda 11/10/2022



#22
Diisopropyl ether
Concen: 7.746 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

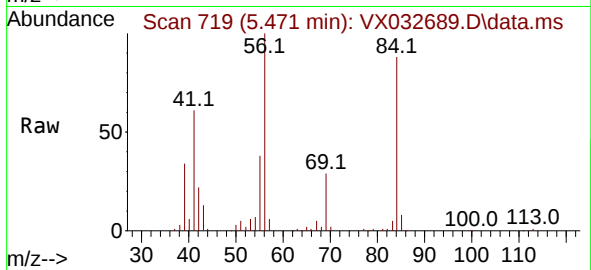
Tgt Ion: 45 Resp: 30477
Ion Ratio Lower Upper
45 100
43 53.5 56.4 84.6#
87 29.4 24.4 36.6
59 11.3 9.5 14.3





#31
Cyclohexane
Concen: 54.788 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

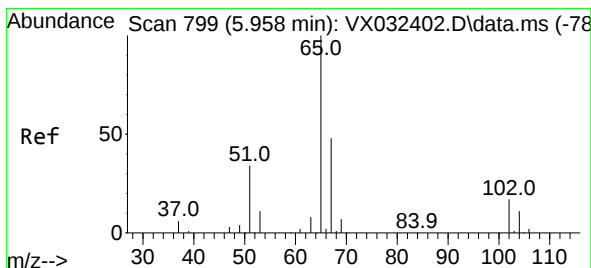
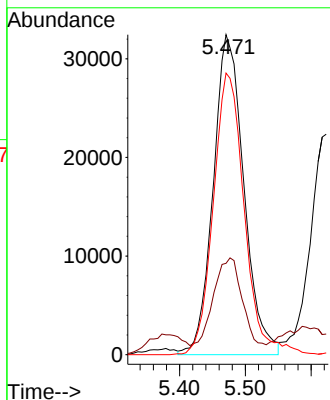
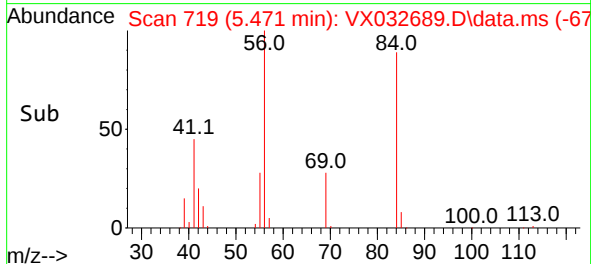
Instrument :
MSVOA_X
ClientSampleId :
MW-14



Tgt Ion: 56 Resp: 105024
Ion Ratio Lower Upper
56 100
69 23.2 24.1 36.1
84 88.7 66.9 100.3

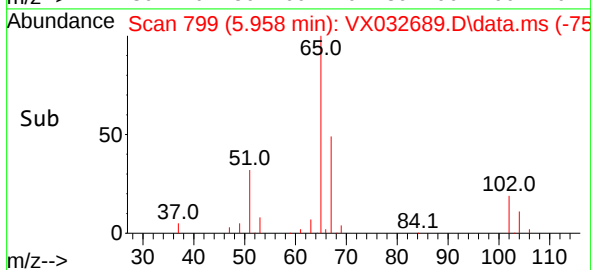
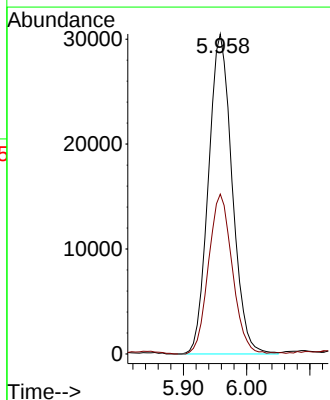
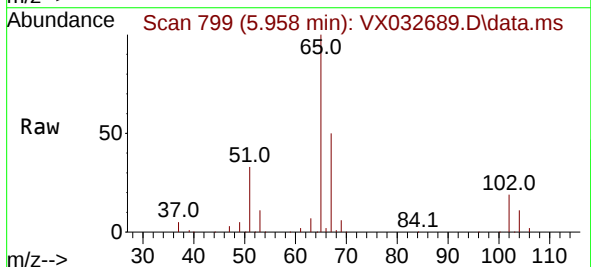
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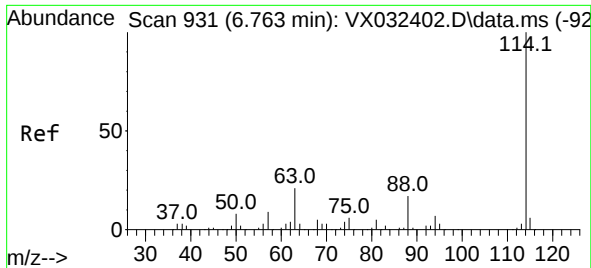
Reviewed By :John Carlone 11/10/2022
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#33
1,2-Dichloroethane-d4
Concen: 50.209 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

Tgt Ion: 65 Resp: 79379
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8





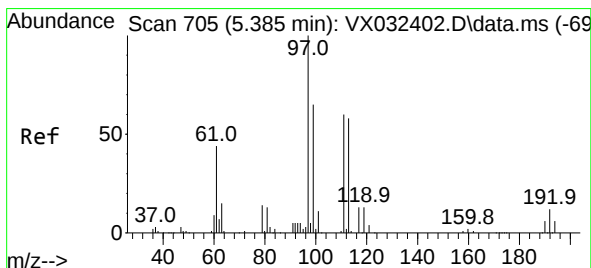
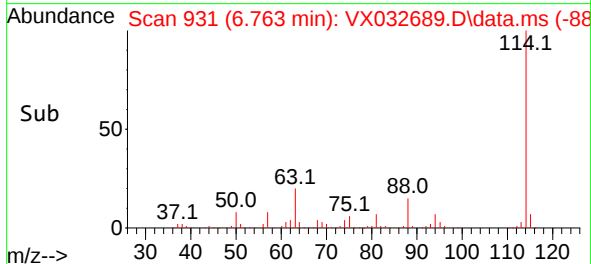
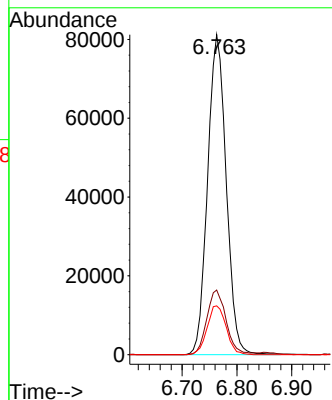
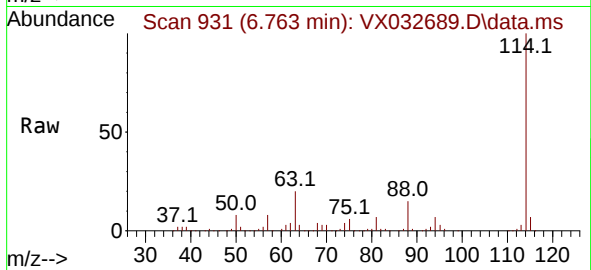
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion:114 Resp: 191002
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 15.3 0.0 33.4

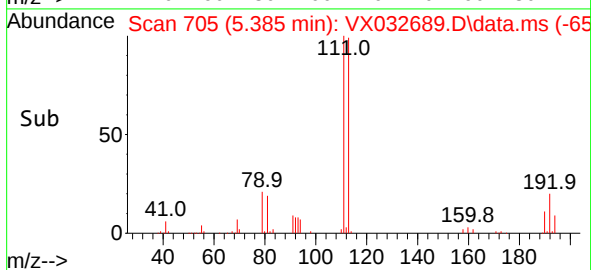
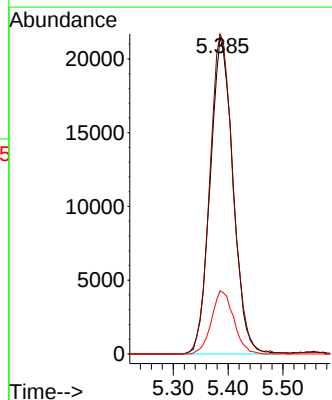
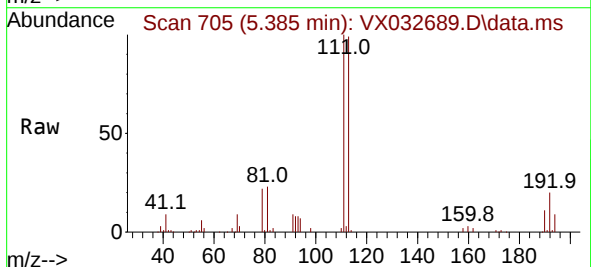
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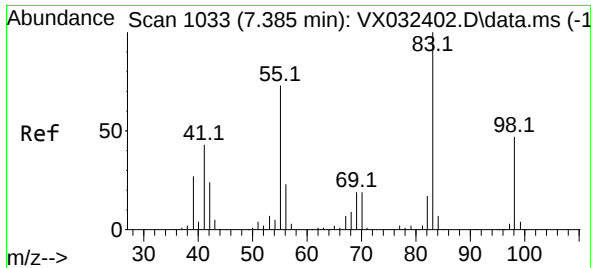
Reviewed By :John Carlone 11/10/2022
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#35
Dibromofluoromethane
Concen: 45.627 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

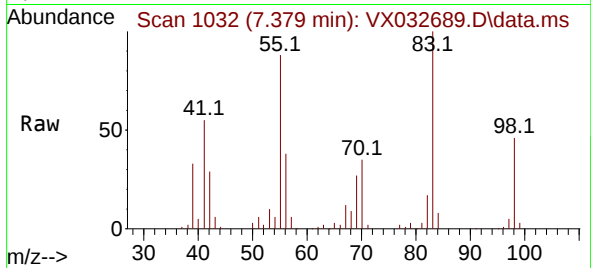
Tgt Ion:113 Resp: 62164
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 19.4 15.4 23.2





#39
Methylcyclohexane
Concen: 28.549 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

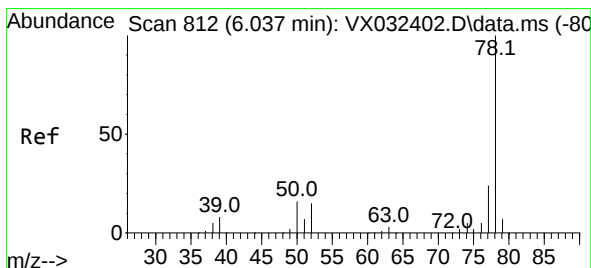
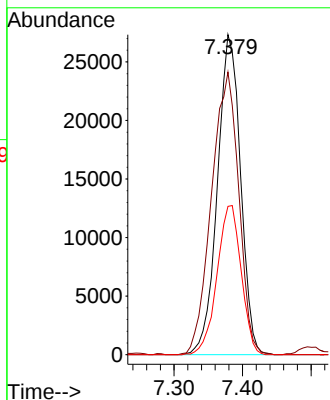
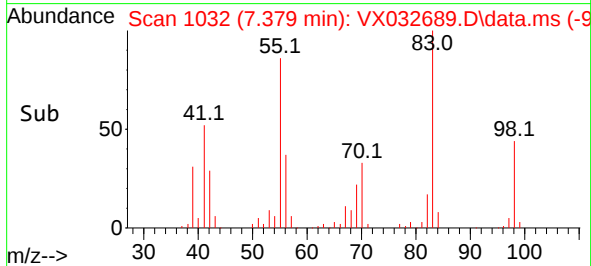
Instrument :
MSVOA_X
ClientSampleId :
MW-14



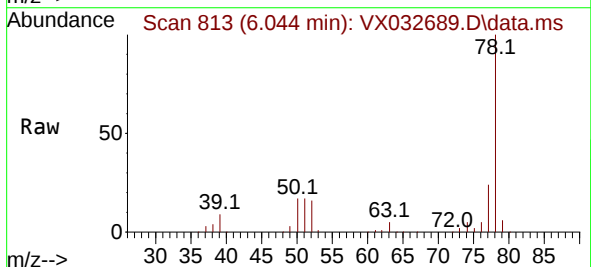
Tgt Ion: 83 Resp: 64089
Ion Ratio Lower Upper
83 100
55 88.3 58.4 87.6
98 46.4 37.2 55.8

Manual Integrations
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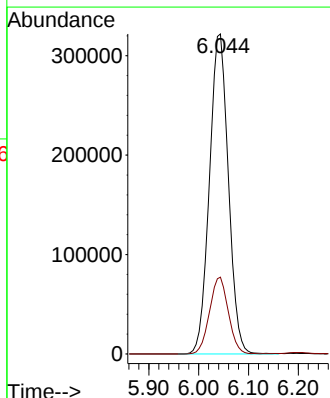
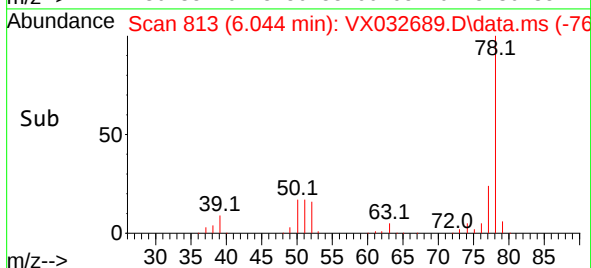
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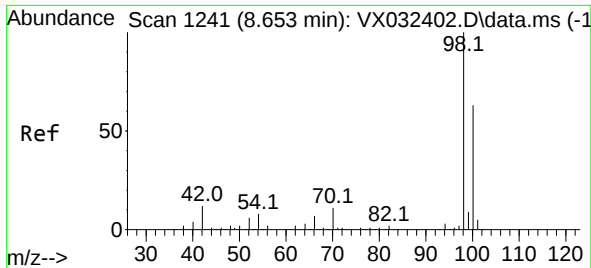


#40
Benzene
Concen: 158.030 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57



Tgt Ion: 78 Resp: 848449
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4





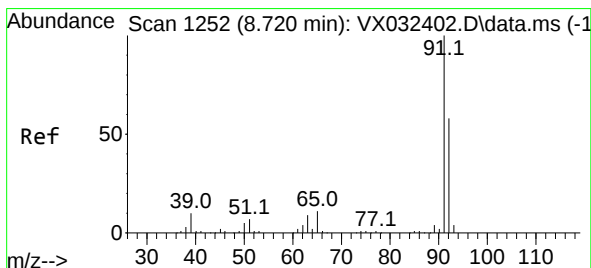
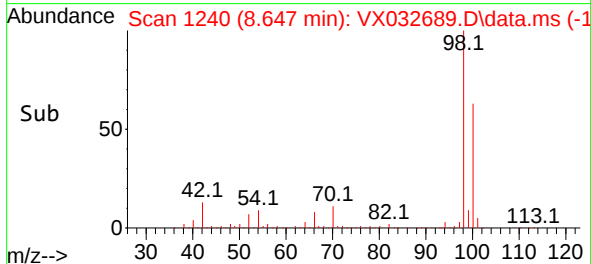
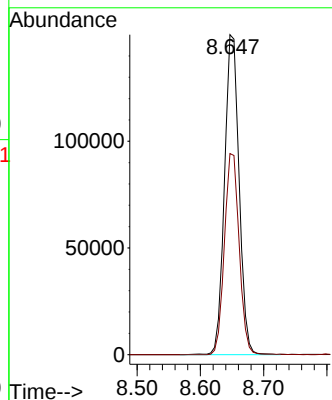
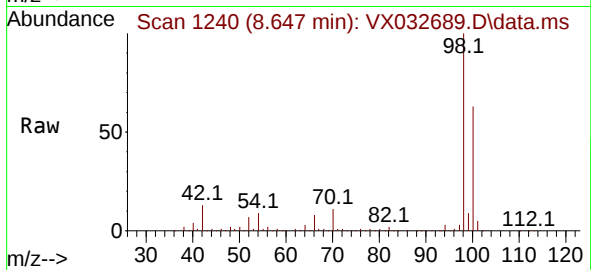
#50
Toluene-d8
Concen: 50.430 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion: 98 Resp: 23891
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

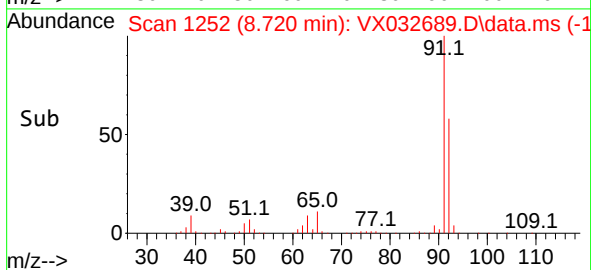
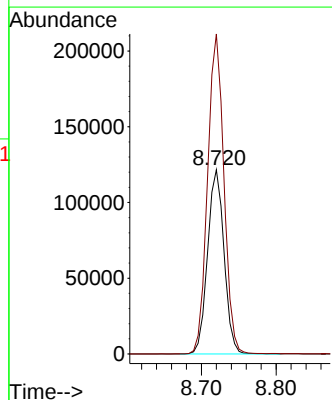
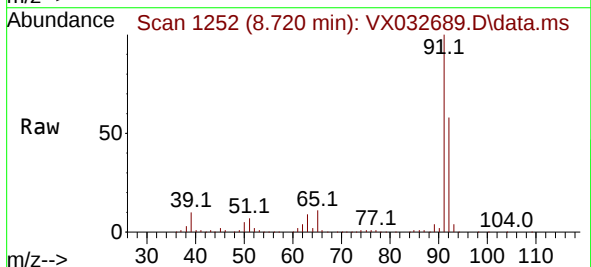
Manual Integrations
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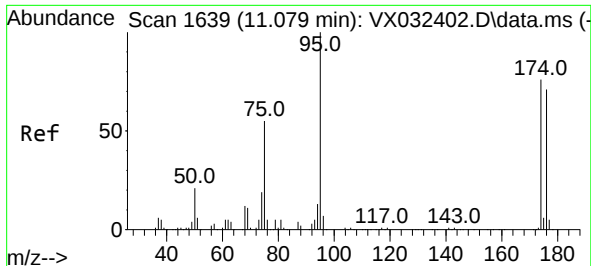
Reviewed By :John Carlone 11/10/2022
Supervised By :Mahesh Dadoda 11/10/2022



#52
Toluene
Concen: 53.132 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

Tgt Ion: 92 Resp: 186113
Ion Ratio Lower Upper
92 100
91 172.4 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 54.712 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032689.D

Acq: 09 Nov 2022 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-14

Tgt Ion: 95 Resp: 101248

Ion Ratio Lower Upper

95 100

174 79.2 0.0 164.0

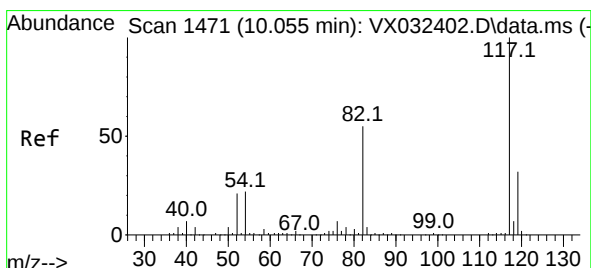
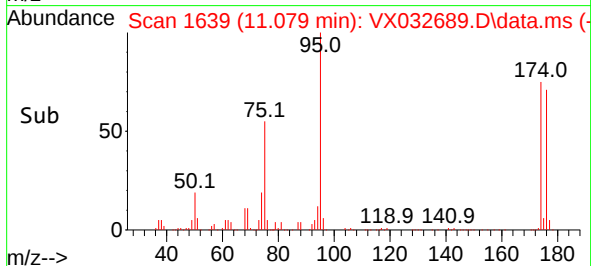
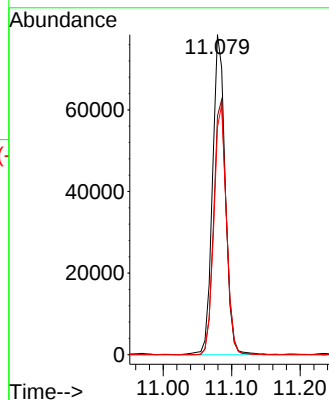
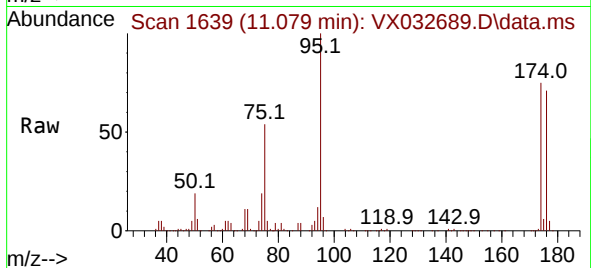
176 76.6 0.0 154.4

Manual Integrations

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Reviewed By :John Carlone 11/10/2022

Supervised By :Mahesh Dadoda 11/10/2022



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032689.D

Acq: 09 Nov 2022 18:57

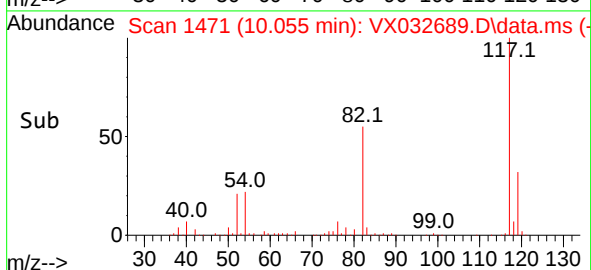
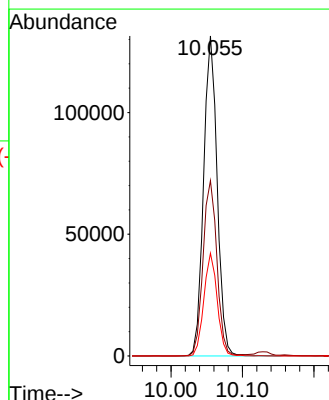
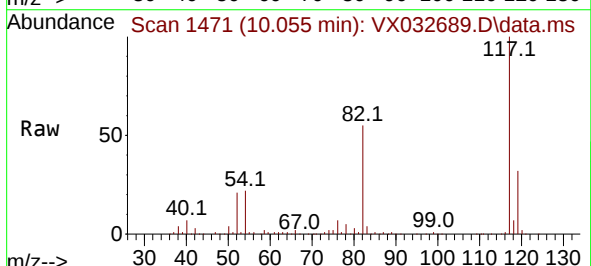
Tgt Ion:117 Resp: 173494

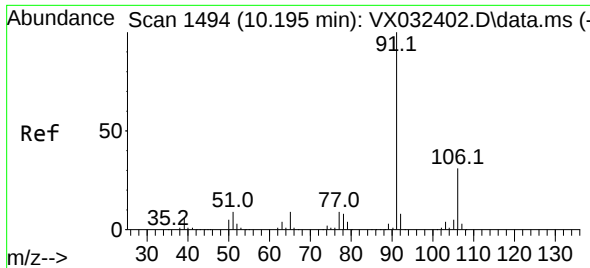
Ion Ratio Lower Upper

117 100

82 54.8 44.3 66.5

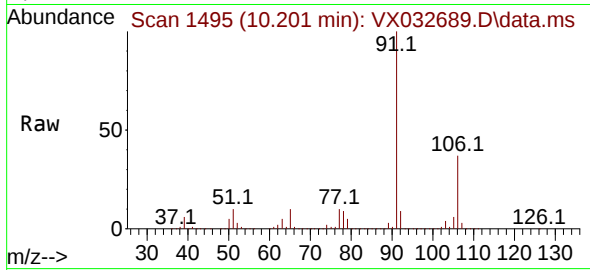
119 32.1 25.7 38.5





#67
Ethyl Benzene
Concen: 890.617 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

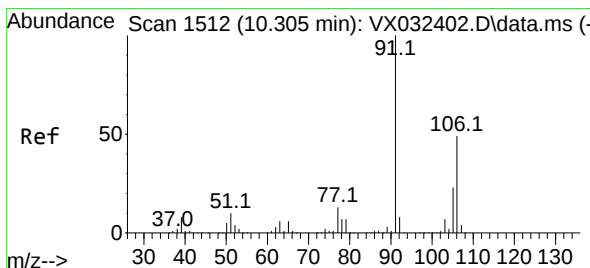
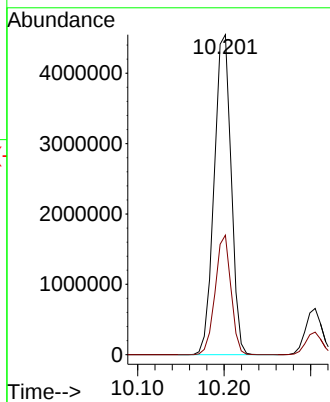
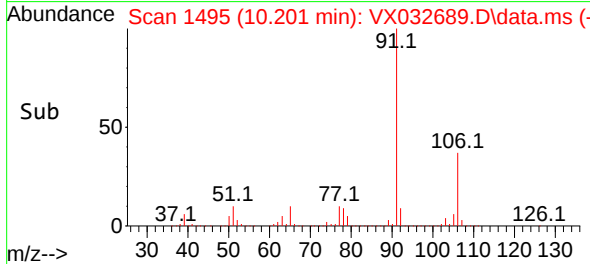
Instrument :
MSVOA_X
ClientSampleId :
MW-14



Tgt Ion: 91 Resp: 6189518
Ion Ratio Lower Upper
91 100
106 37.4 25.0 37.6

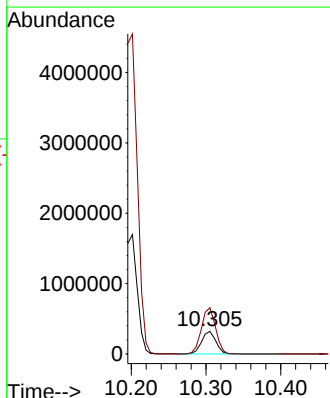
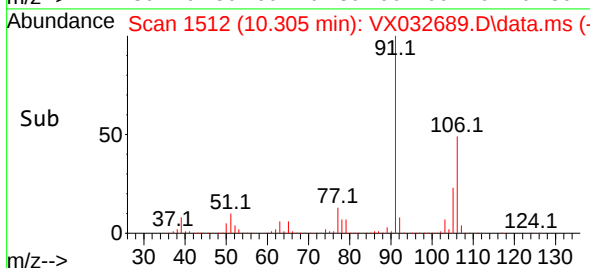
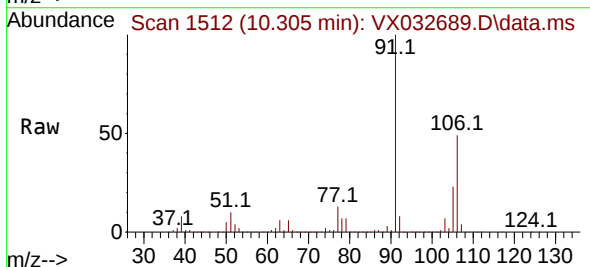
Manual Integrations
APPROVED

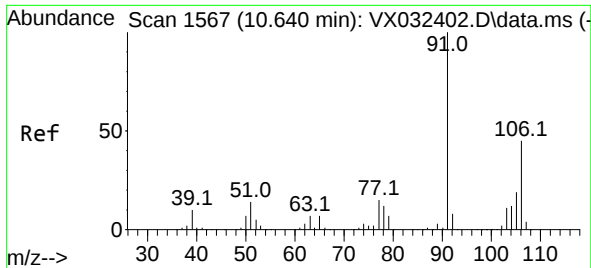
Reviewed By :John Carlone 11/10/2022
Supervised By :Mahesh Dadoda 11/10/2022



#68
m/p-Xylenes
Concen: 157.541 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

Tgt Ion:106 Resp: 425143
Ion Ratio Lower Upper
106 100
91 205.0 164.5 246.7





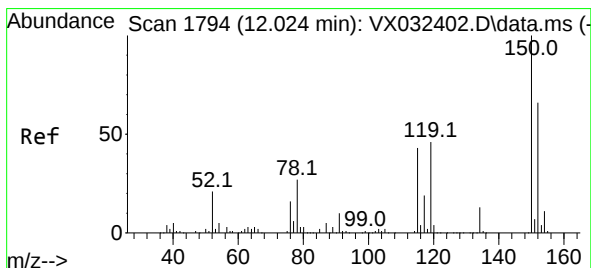
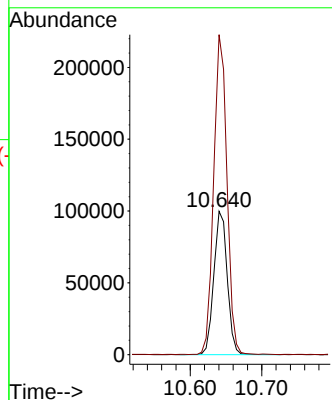
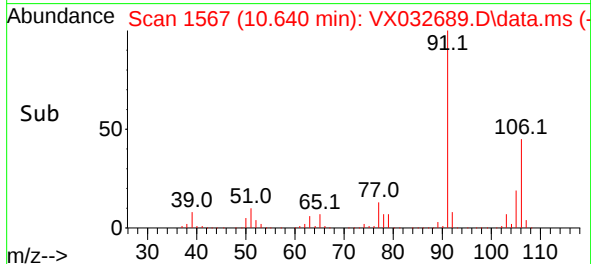
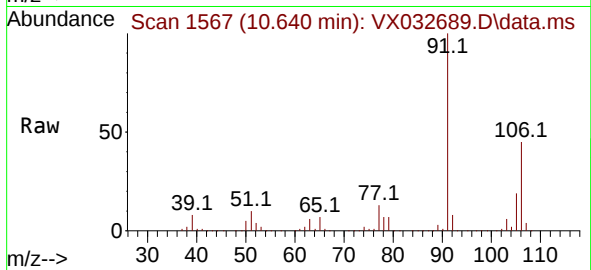
#69
o-Xylene
Concen: 49.481 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tgt Ion:106 Resp: 129828
Ion Ratio Lower Upper
106 100
91 220.0 109.2 327.6

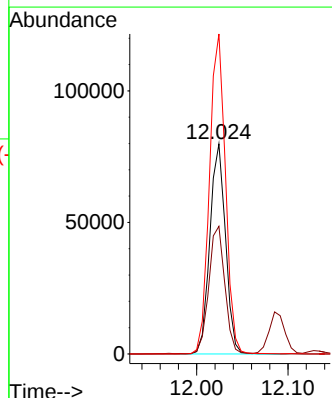
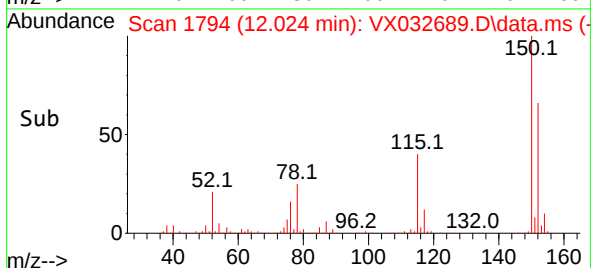
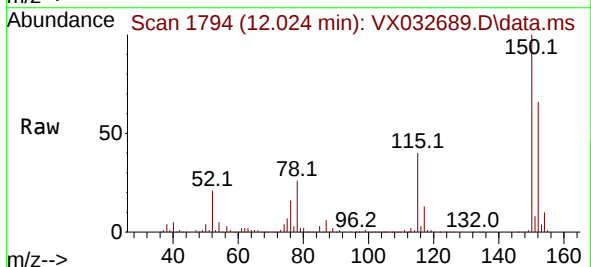
Manual Integrations
APPROVED

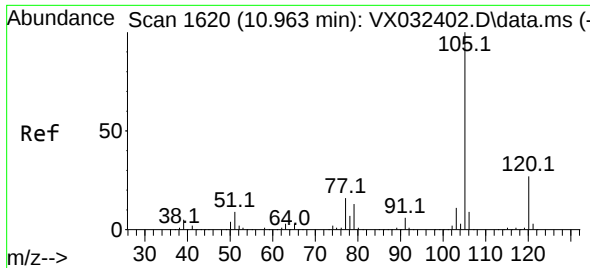
Reviewed By :John Carlone 11/10/2022
Supervised By :Mahesh Dadoda 11/10/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

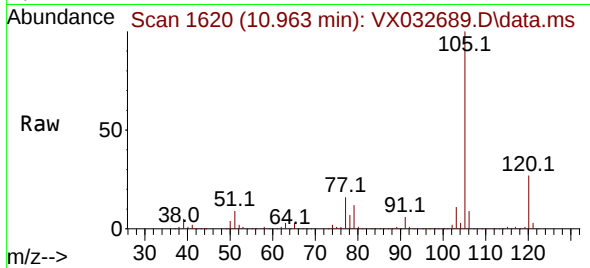
Tgt Ion:152 Resp: 95107
Ion Ratio Lower Upper
152 100
115 62.0 44.0 132.0
150 155.5 0.0 351.8





#73
Isopropylbenzene
Concen: 38.389 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

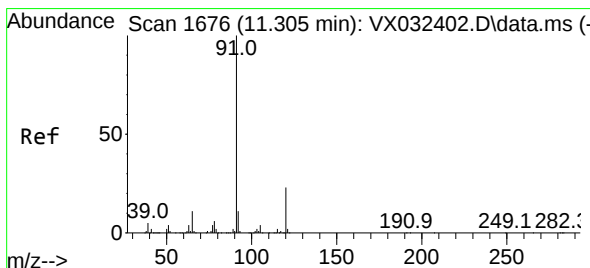
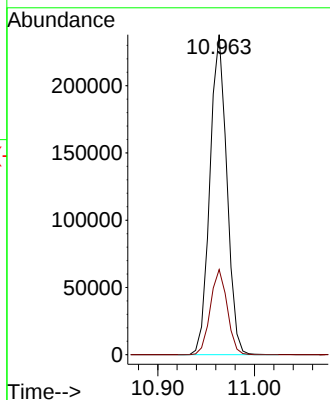
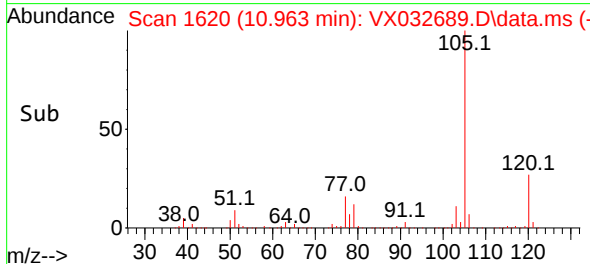
Instrument :
MSVOA_X
ClientSampleId :
MW-14



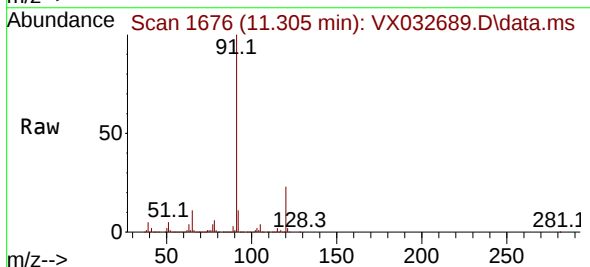
Tgt Ion:105 Resp: 289314
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3

Manual Integrations
APPROVED

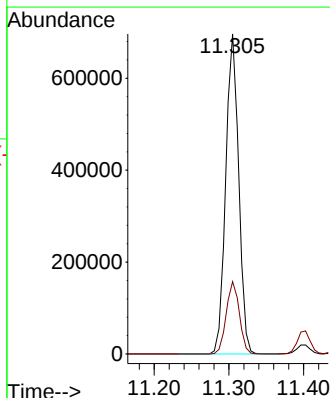
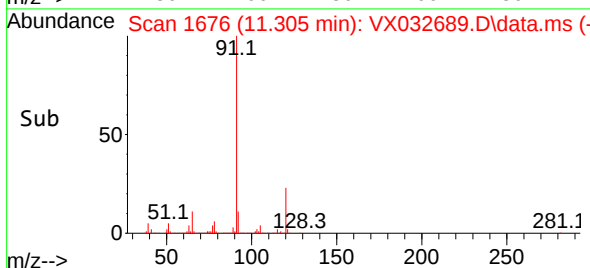
Reviewed By :John Carlone 11/10/2022
Supervised By :Mahesh Dadoda 11/10/2022

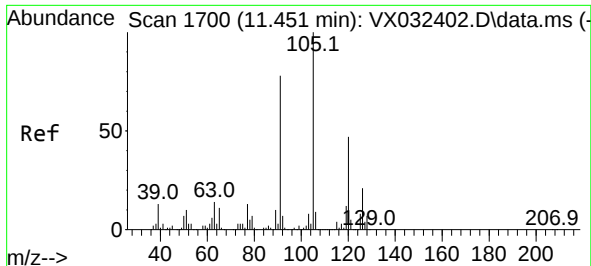


#78
n-propylbenzene
Concen: 96.431 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57



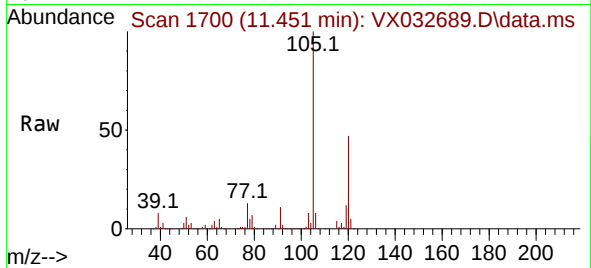
Tgt Ion: 91 Resp: 837314
Ion Ratio Lower Upper
91 100
120 22.9 11.6 34.8





#80
1,3,5-Trimethylbenzene
Concen: 26.373 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57

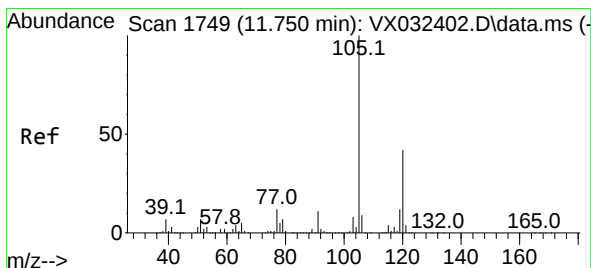
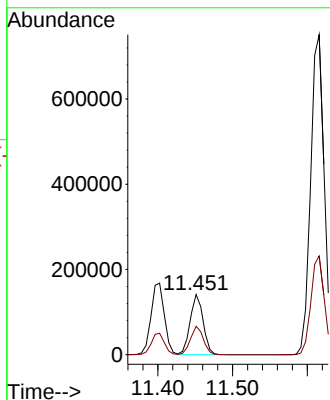
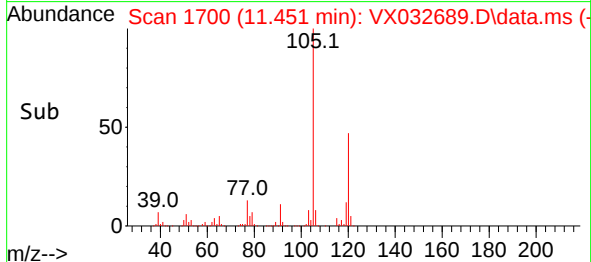
Instrument :
MSVOA_X
ClientSampleId :
MW-14



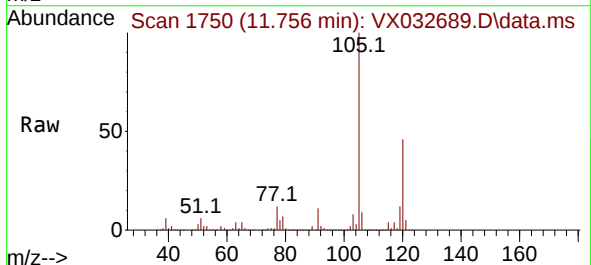
Tgt Ion:105 Resp: 169870
Ion Ratio Lower Upper
105 100
120 46.6 23.6 71.0

Manual Integrations
APPROVED

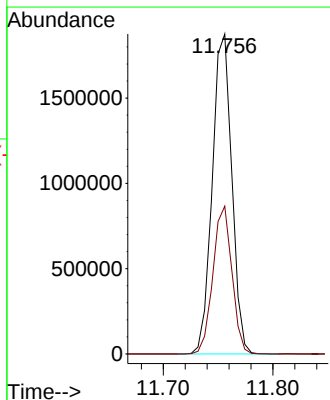
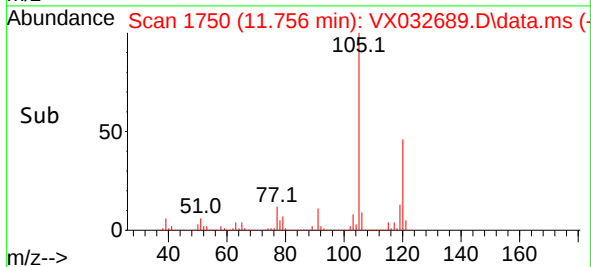
Reviewed By :John Carlone 11/10/2022
Supervised By :Mahesh Dadoda 11/10/2022

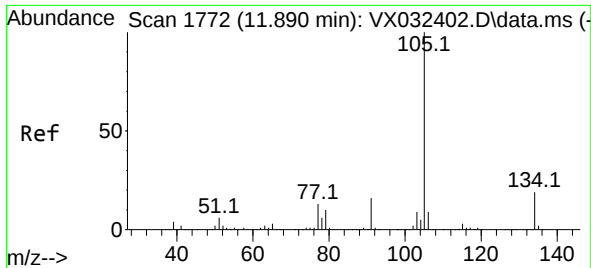


#84
1,2,4-Trimethylbenzene
Concen: 362.055 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX032689.D
Acq: 09 Nov 2022 18:57



Tgt Ion:105 Resp: 2319449
Ion Ratio Lower Upper
105 100
120 45.0 21.9 65.5





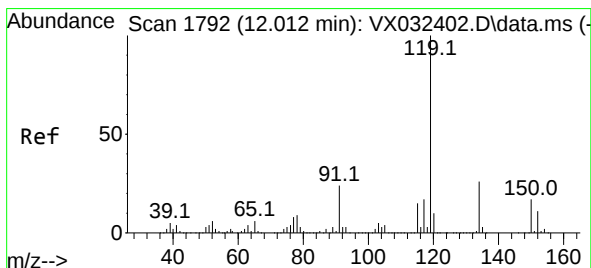
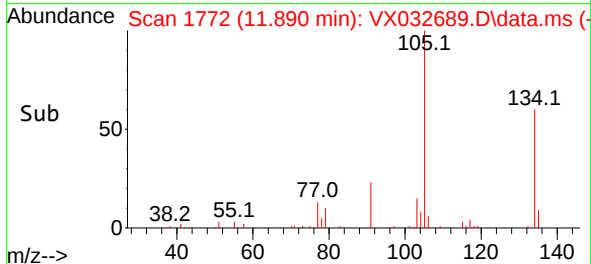
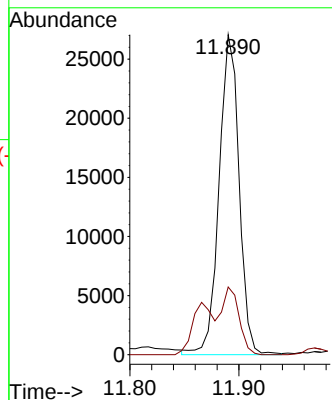
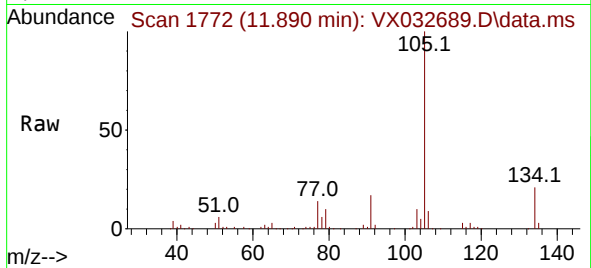
#85
 sec-Butylbenzene
 Concen: 4.467 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX032689.D
 Acq: 09 Nov 2022 18:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

Tgt Ion:105 Resp: 3456
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7

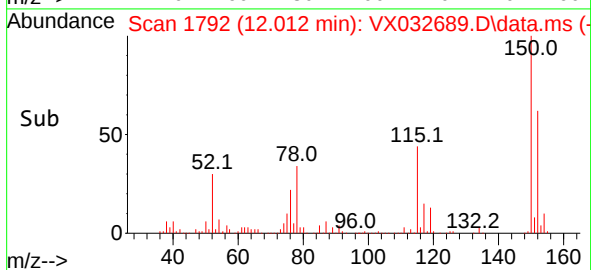
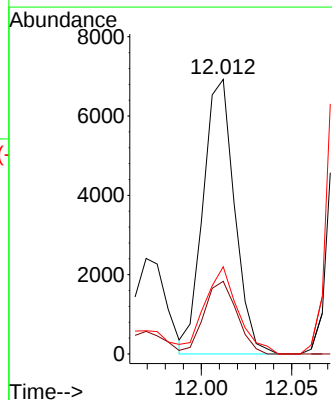
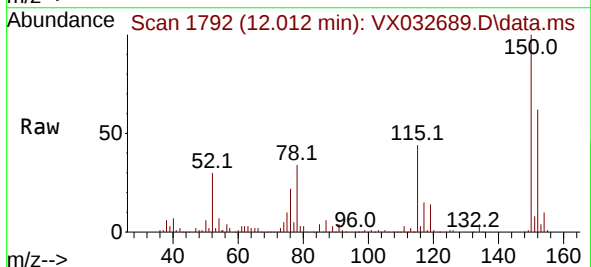
Manual Integrations
 APPROVED

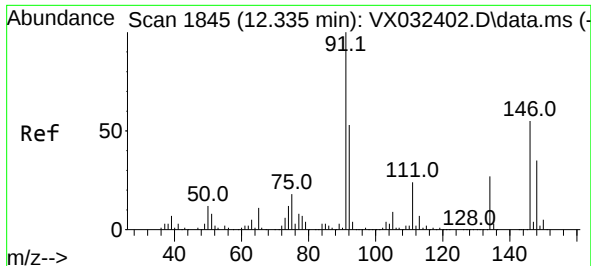
Reviewed By :John Carlone 11/10/2022
 Supervised By :Mahesh Dadoda 11/10/2022



#86
 p-Isopropyltoluene
 Concen: 1.281 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX032689.D
 Acq: 09 Nov 2022 18:57

Tgt Ion:119 Resp: 8414
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.9 38.7#
 91 596.2 12.5 37.5#





#89

n-Butylbenzene

Concen: 8.835 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX032689.D

Acq: 09 Nov 2022 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-14

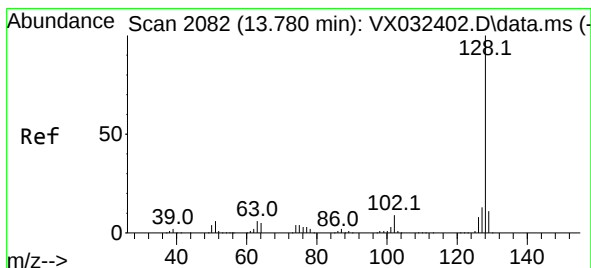
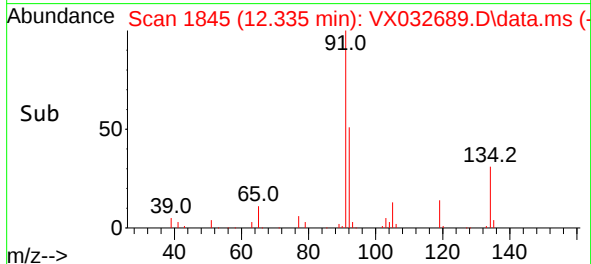
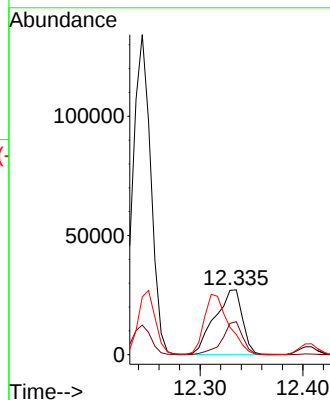
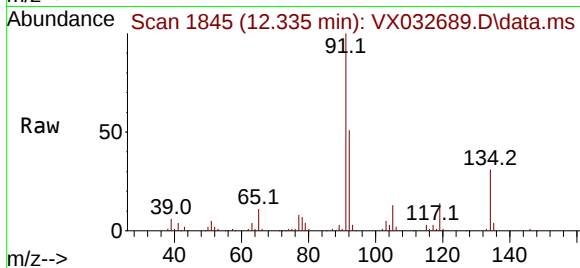
Tgt Ion: 91 Resp: 5046
 Ion Ratio Lower Upper
 91 100
 92 38.0 26.2 78.6
 134 0.0 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/10/2022

Supervised By :Mahesh Dadoda 11/10/2022



#95

Naphthalene

Concen: 87.511 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX032689.D

Acq: 09 Nov 2022 18:57

Tgt Ion:128 Resp: 653395
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.4
 129 10.9 8.9 13.3

