

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010323\
 Data File : VN076067.D
 Acq On : 03 Jan 2023 16:39
 Operator : JC\MD
 Sample : N6232-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 04 04:19:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	353857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	547445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	482878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	237021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	177076	45.998	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.000%
35) Dibromofluoromethane	8.171	113	160960	47.477	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.960%
50) Toluene-d8	10.571	98	636595	50.221	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.440%
62) 4-Bromofluorobenzene	12.853	95	213805	50.926	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.860%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.536	59	81808	150.184	ug/l	99
16) Acetone	4.442	43	319267	240.585	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	204483	19.799	ug/l	97
25) 2-Butanone	7.494	43	46508	25.030	ug/l	99
31) Cyclohexane	8.271	56	6501m	1.179	ug/l	
39) Methylcyclohexane	9.606	83	15138	2.786	ug/l	97
40) Benzene	8.618	78	9931	0.715	ug/l	94
42) 1,2-Dichloroethane	8.677	62	2743	0.594	ug/l	78
51) 4-Methyl-2-Pentanone	10.447	43	14571	4.038	ug/l	93
52) Toluene	10.635	92	129412	14.300	ug/l	99
67) Ethyl Benzene	11.965	91	954779	57.079	ug/l	99
68) m/p-Xylenes	12.076	106	630843	95.285	ug/l	98
69) o-Xylene	12.400	106	598753	91.388	ug/l	99
73) Isopropylbenzene	12.700	105	140695	8.214	ug/l	100
78) n-propylbenzene	13.041	91	367609	19.459	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	78810	5.498	ug/l	88
84) 1,2,4-Trimethylbenzene	13.482	105	1929104	135.649	ug/l	100
85) sec-Butylbenzene	13.617	105	40336m	2.312	ug/l	
86) p-Isopropyltoluene	13.729	119	20590m	1.418	ug/l	
89) n-Butylbenzene	14.059	91	35238m	2.996	ug/l	
95) Naphthalene	15.641	128	254433	21.043	ug/l	100

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

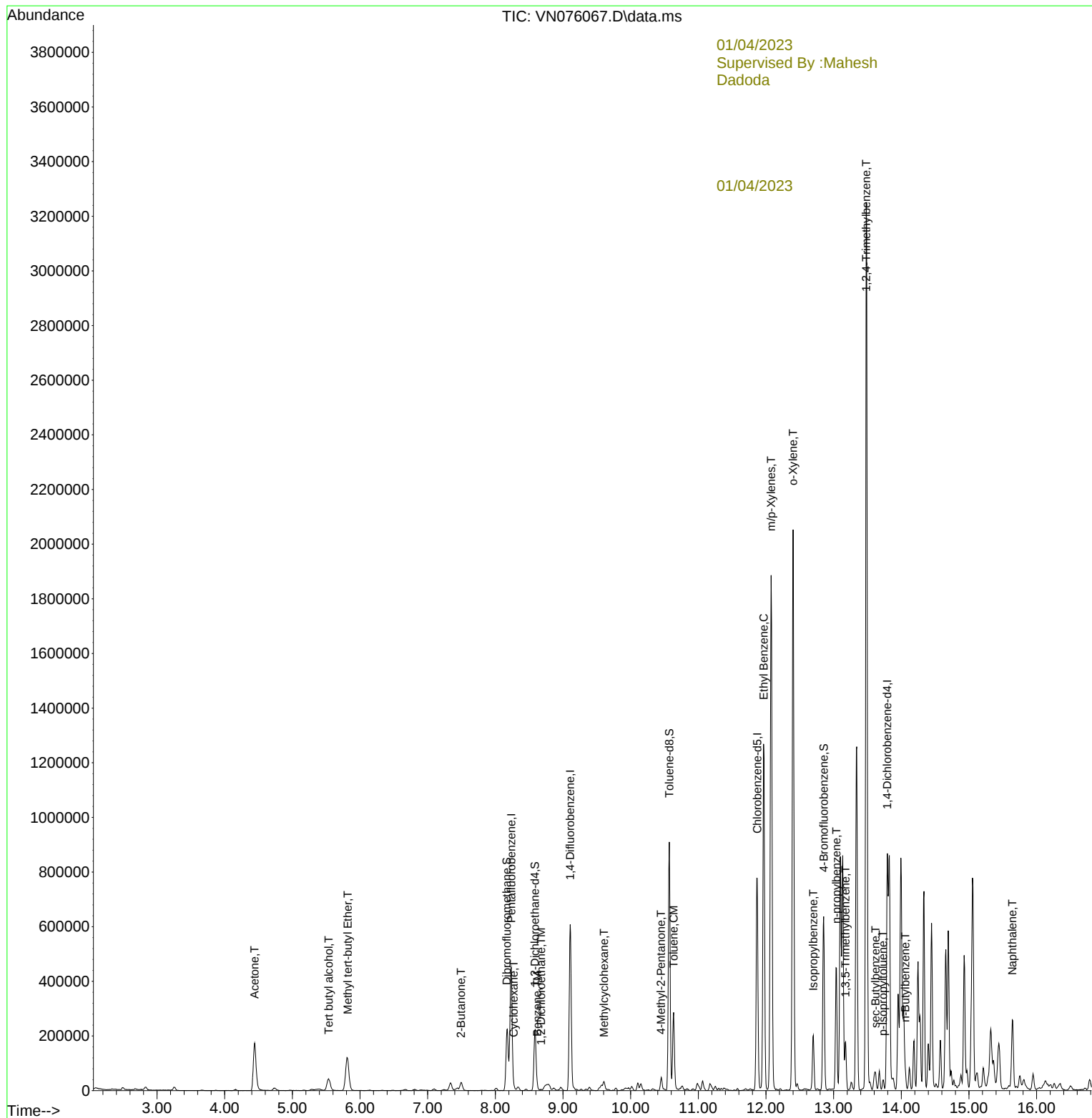
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010323\
Data File : VN076067.D
Acq On : 03 Jan 2023 16:39
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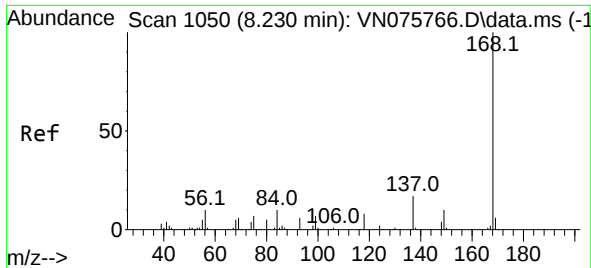
Instrument :
MSVOA_N
ClientSampleId :
MW-12

Quant Time: Jan 04 04:19:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

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APPROVED

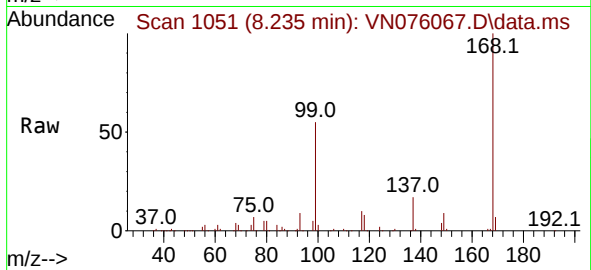
Reviewed By :John
Carlone





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

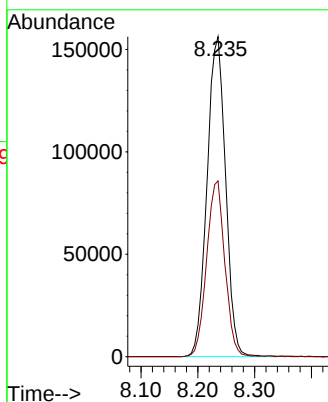
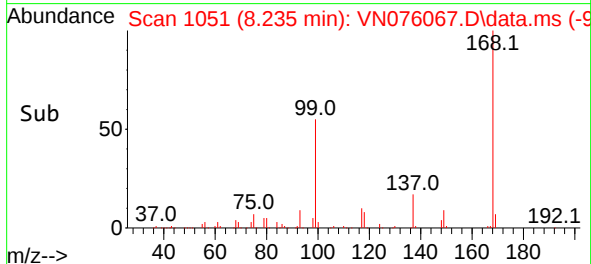
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:168 Resp: 35385
Ion Ratio Lower Upper
168 100
99 54.9 44.2 66.4

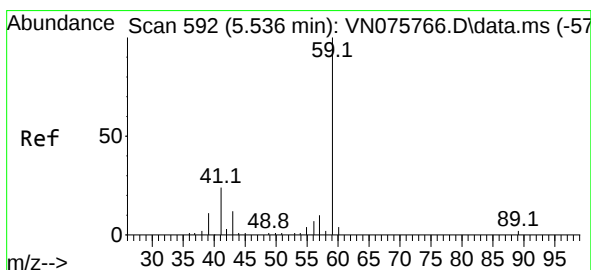
Manual Integrations
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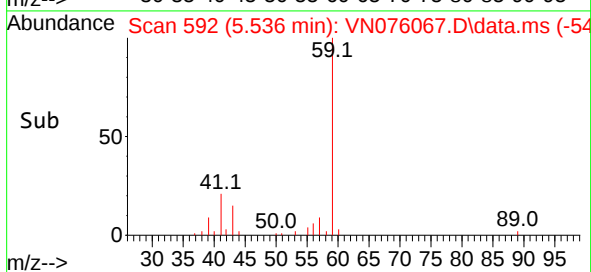
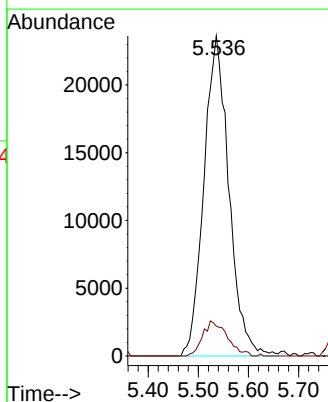
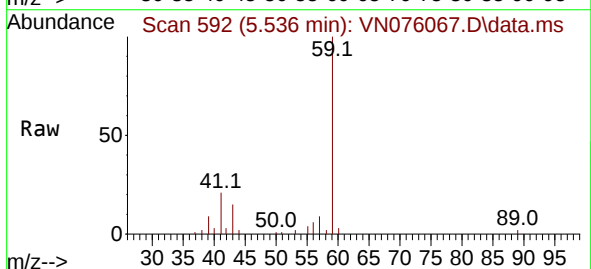
01/04/2023
Supervised By :Mahesh
Dadoda

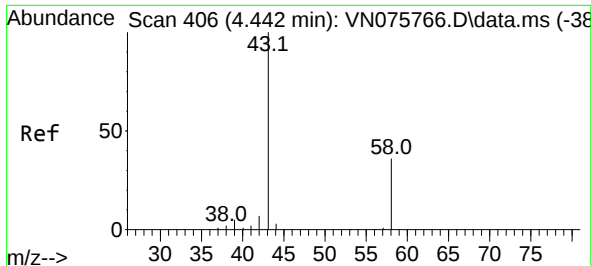
01/04/2023



#11
Tert butyl alcohol
Concen: 150.184 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

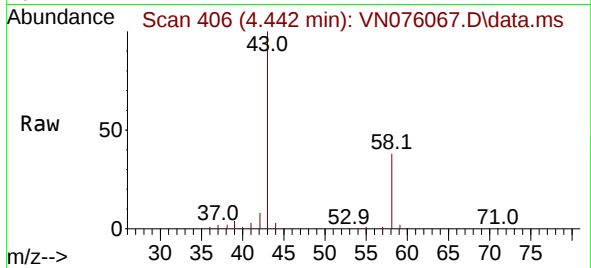
Tgt Ion: 59 Resp: 81808
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4





#16
Acetone
Concen: 240.585 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

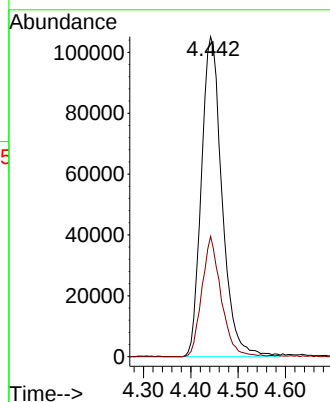
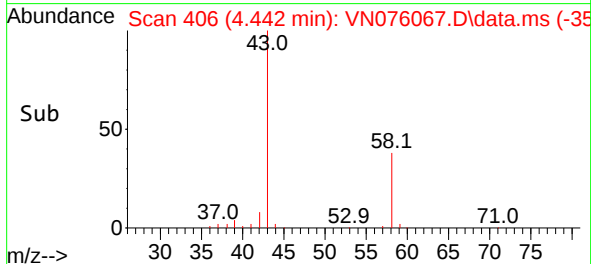
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion: 43 Resp: 31926
Ion Ratio Lower Upper
43 100
58 37.6 28.6 43.0

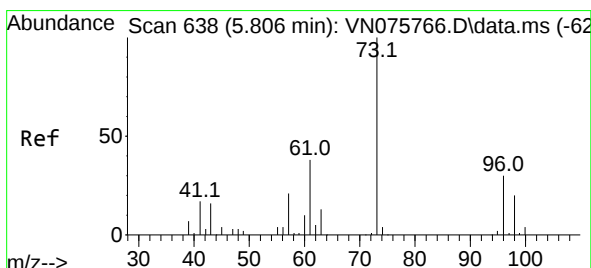
Manual Integrations
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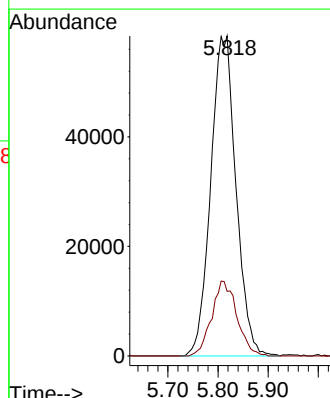
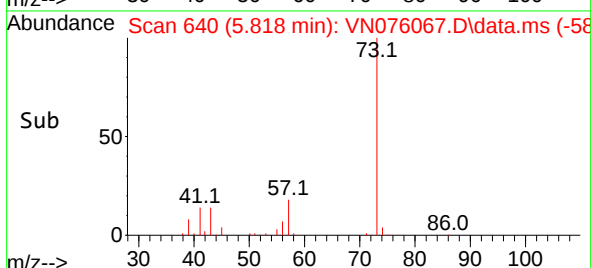
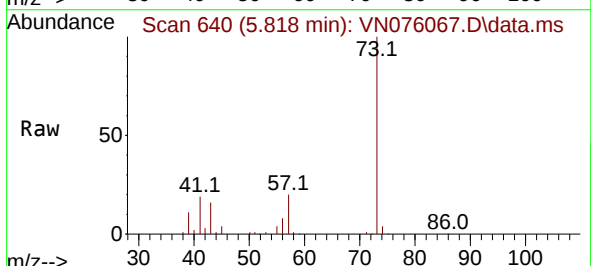
01/04/2023
Supervised By :Mahesh
Dadoda

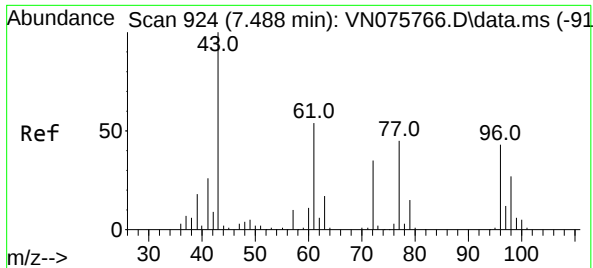
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#19
Methyl tert-butyl Ether
Concen: 19.799 ug/l
RT: 5.818 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

Tgt Ion: 73 Resp: 204483
Ion Ratio Lower Upper
73 100
57 20.2 17.1 25.7





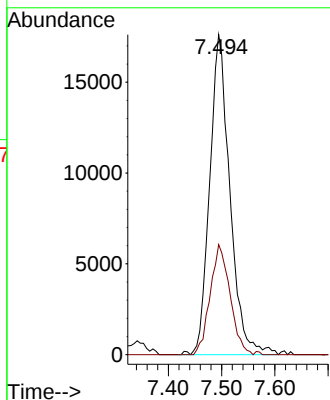
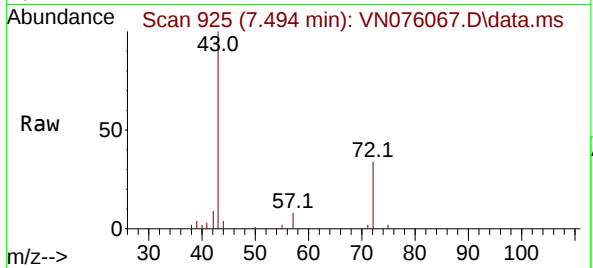
#25
2-Butanone
Concen: 25.030 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion: 43 Resp: 46508
Ion Ratio Lower Upper
43 100
72 34.4 28.0 42.0

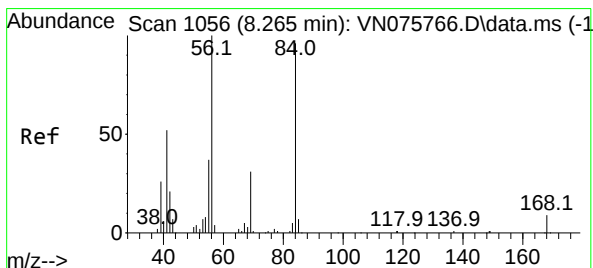
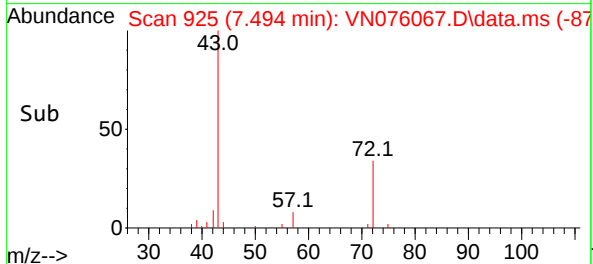
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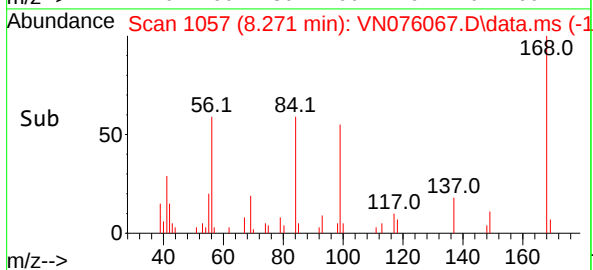
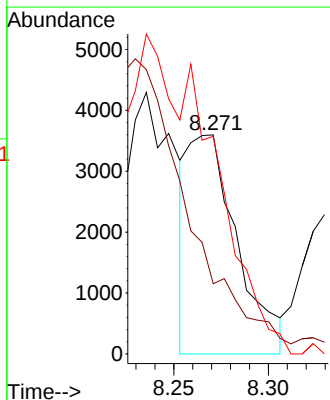
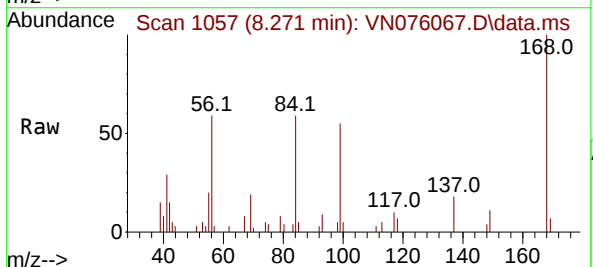
01/04/2023
Supervised By :Mahesh
Dadoda

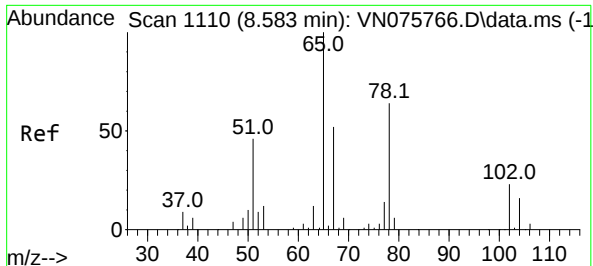
01/04/2023



#31
Cyclohexane
Concen: 1.179 ug/l m
RT: 8.271 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

Tgt Ion: 56 Resp: 6501
Ion Ratio Lower Upper
56 100
69 32.1 24.7 37.1
84 99.4 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 45.998 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076067.D

Acq: 03 Jan 2023 16:39

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tgt Ion: 65 Resp: 177070

Ion Ratio Lower Upper

65 100

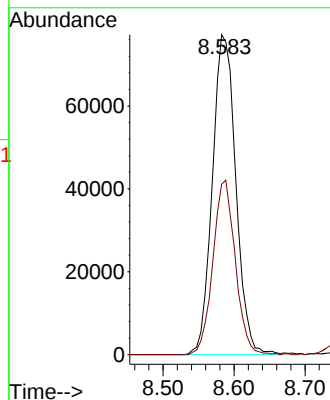
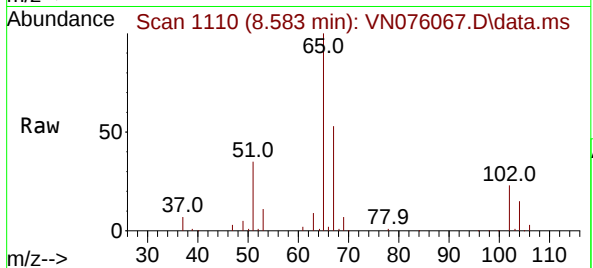
67 52.0 0.0 103.4

Manual Integrations

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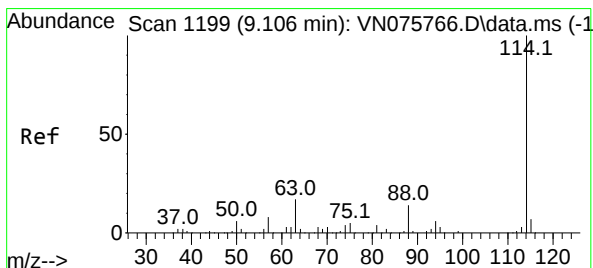
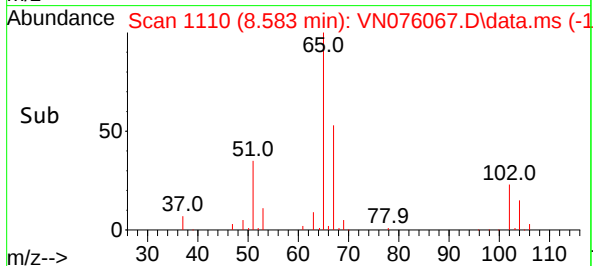


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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076067.D

Acq: 03 Jan 2023 16:39

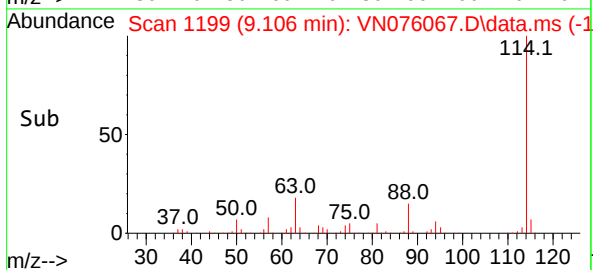
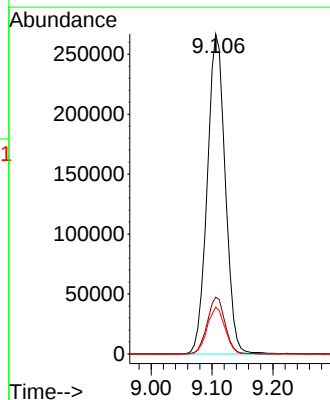
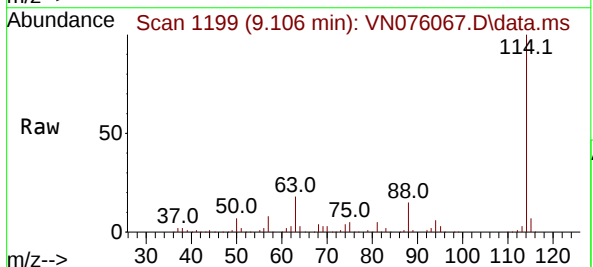
Tgt Ion:114 Resp: 547445

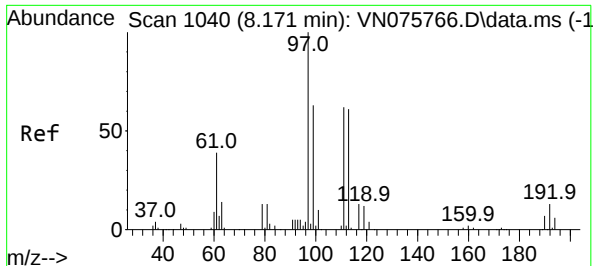
Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.7 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.477 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN076067.D

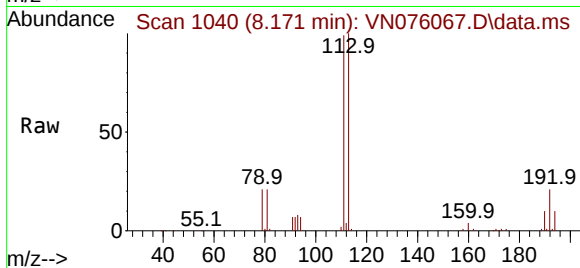
Acq: 03 Jan 2023 16:39

Instrument :

MSVOA_N

ClientSampleId :

MW-12



Tgt Ion:113 Resp: 160960

Ion Ratio Lower Upper

113 100

111 105.6 83.4 125.2

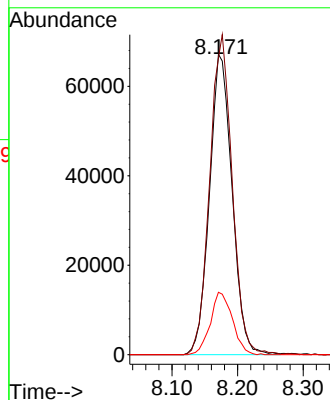
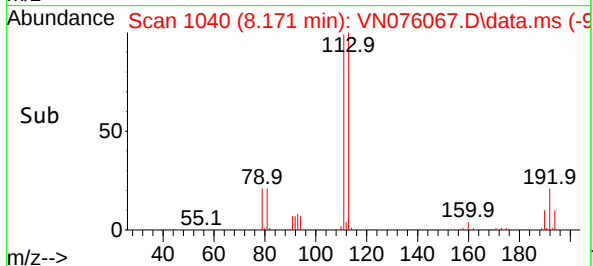
192 20.2 16.1 24.1

Manual Integrations

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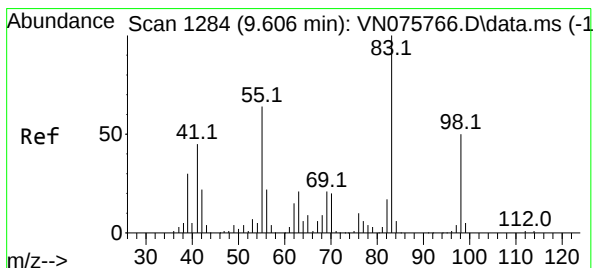


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Dadoda

01/04/2023



#39

Methylcyclohexane

Concen: 2.786 ug/l

RT: 9.606 min Scan# 1284

Delta R.T. 0.000 min

Lab File: VN076067.D

Acq: 03 Jan 2023 16:39

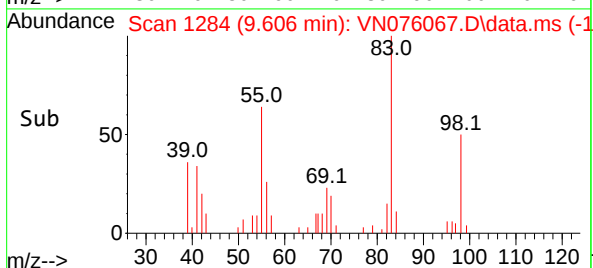
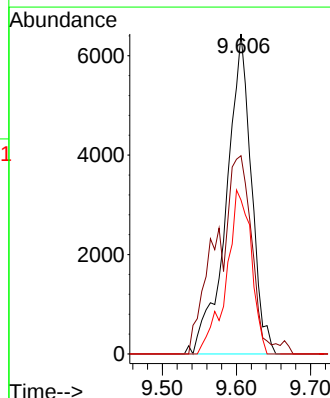
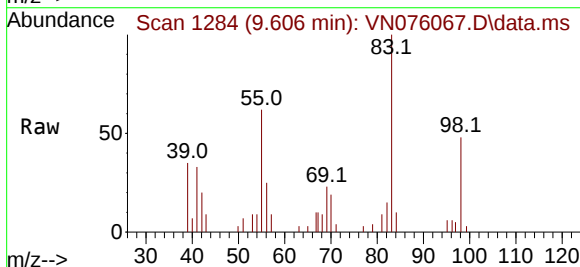
Tgt Ion: 83 Resp: 15138

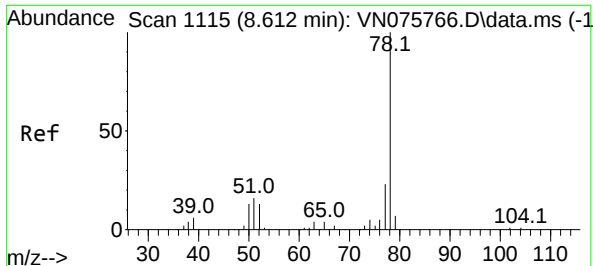
Ion Ratio Lower Upper

83 100

55 62.0 51.4 77.0

98 48.1 39.8 59.8





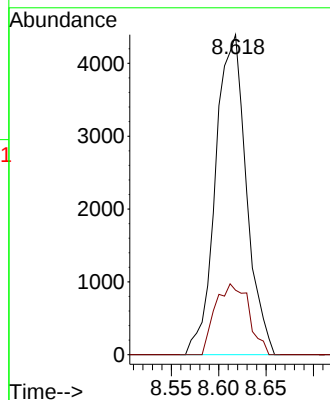
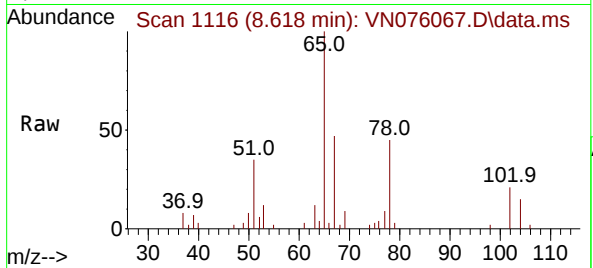
#40
Benzene
Concen: 0.715 ug/l
RT: 8.618 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion: 78 Resp: 993
Ion Ratio Lower Upper
78 100
77 20.1 18.5 27.7

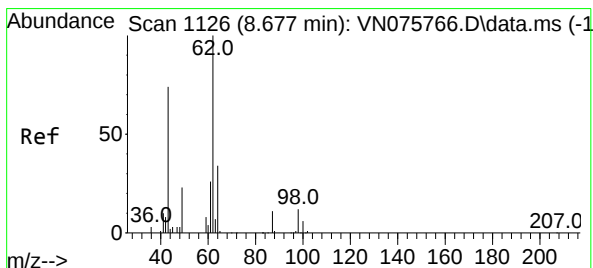
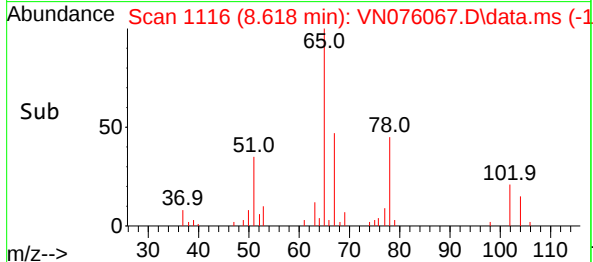
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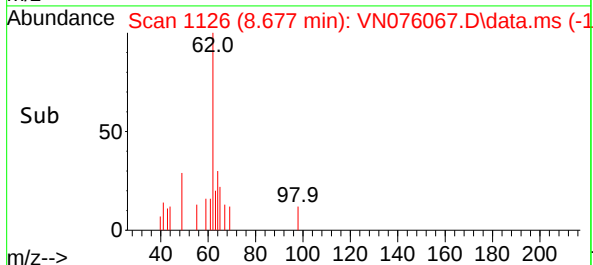
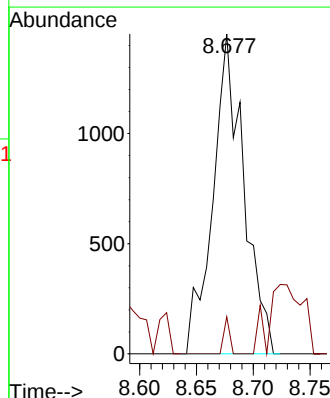
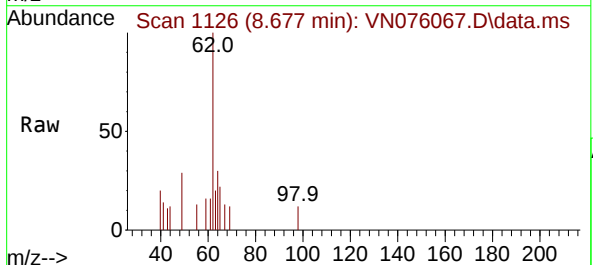
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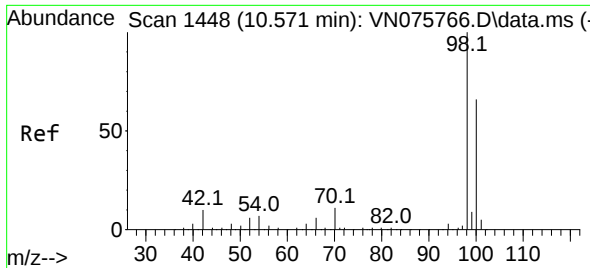
01/04/2023



#42
1,2-Dichloroethane
Concen: 0.594 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

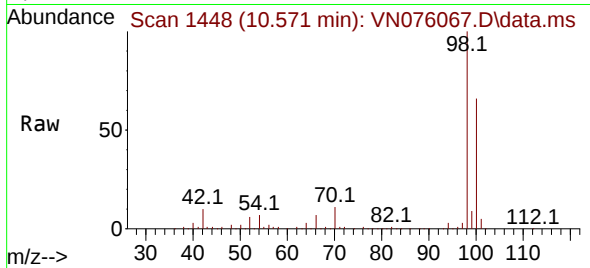
Tgt Ion: 62 Resp: 2743
Ion Ratio Lower Upper
62 100
98 2.2 0.0 20.8





#50
Toluene-d8
Concen: 50.221 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

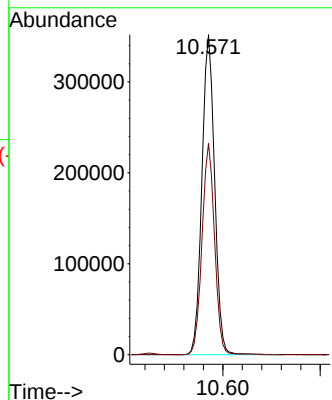
Instrument :
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ClientSampleId :
MW-12



Tgt Ion: 98 Resp: 636598
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

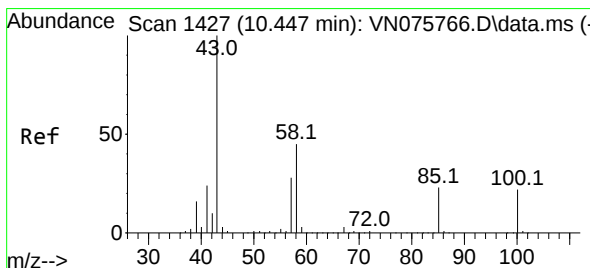
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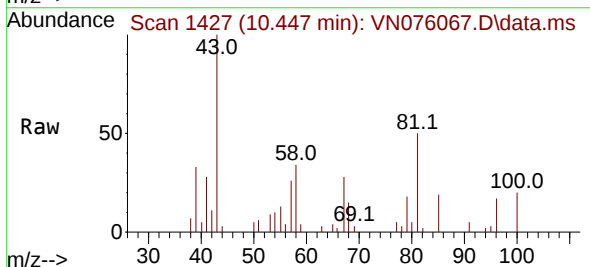


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Dadoda

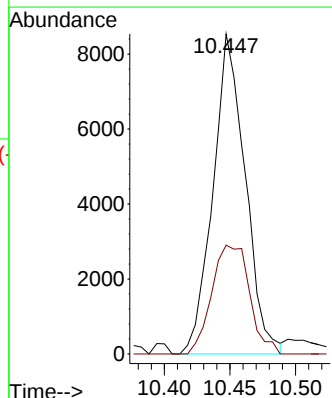
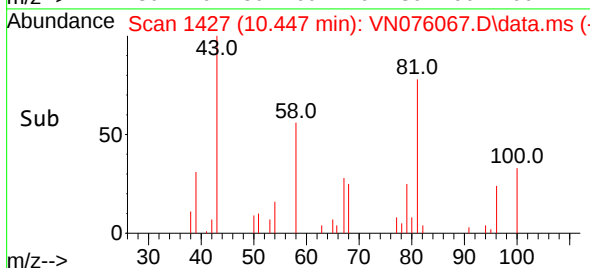
01/04/2023

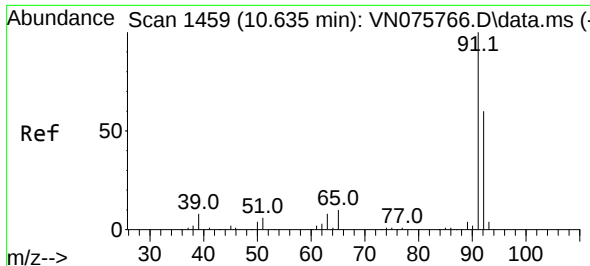


#51
4-Methyl-2-Pentanone
Concen: 4.038 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39



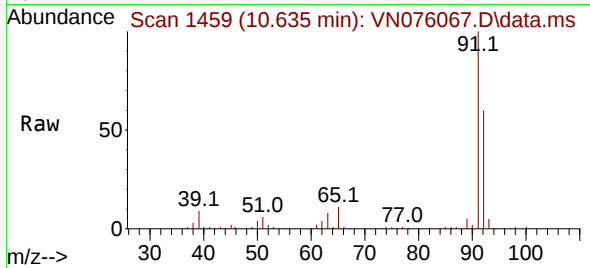
Tgt Ion: 43 Resp: 14571
Ion Ratio Lower Upper
43 100
58 39.9 35.5 53.3





#52
Toluene
Concen: 14.300 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

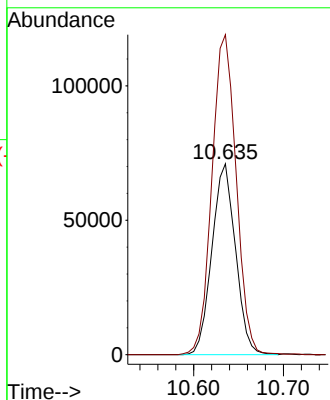
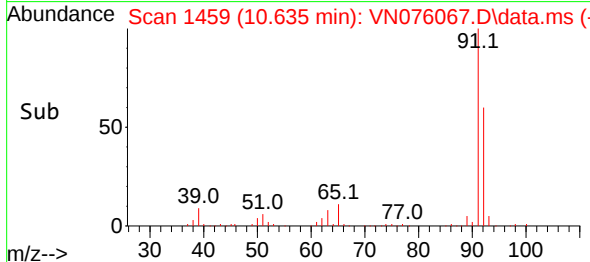
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion: 92 Resp: 129412
Ion Ratio Lower Upper
92 100
91 172.6 137.3 205.9

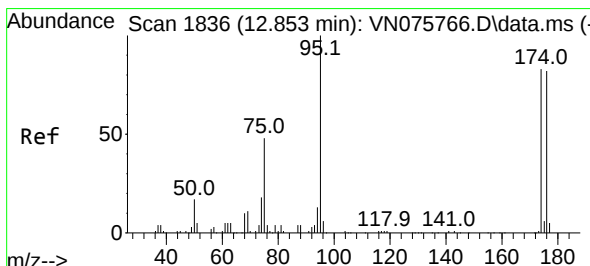
Manual Integrations
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Reviewed By :John
Carlone

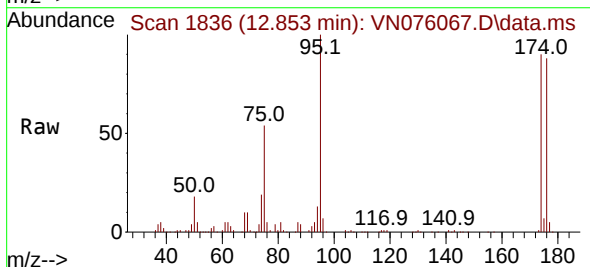


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Supervised By :Mahesh
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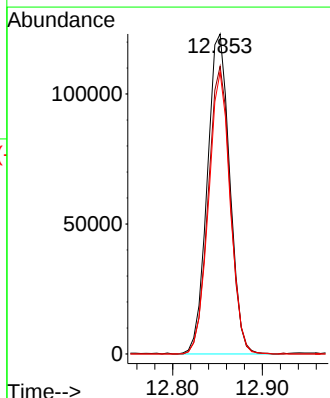
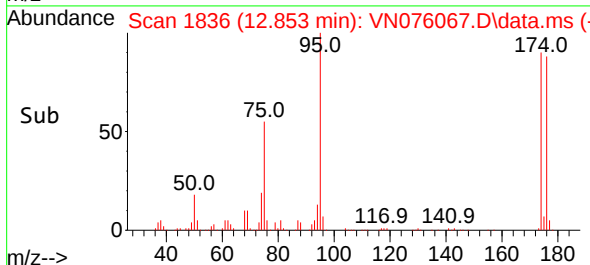
01/04/2023

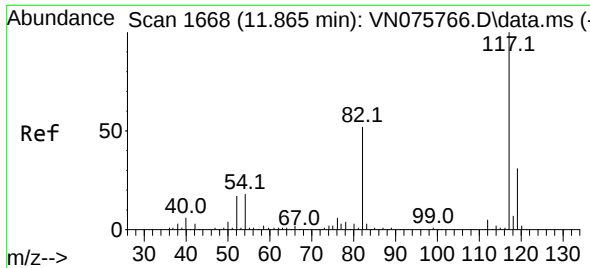


#62
4-Bromofluorobenzene
Concen: 50.926 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39



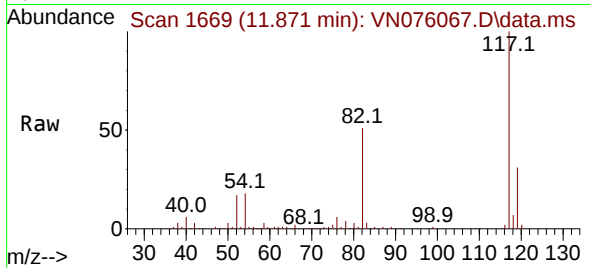
Tgt Ion: 95 Resp: 213805
Ion Ratio Lower Upper
95 100
174 88.2 0.0 171.6
176 84.8 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

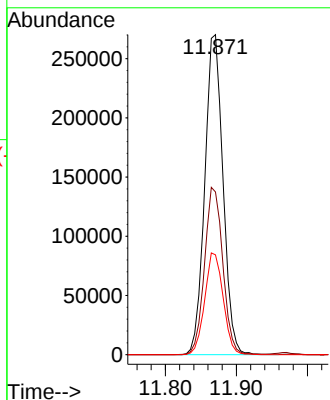
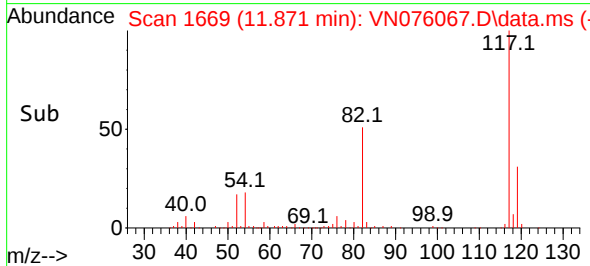
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:117 Resp: 482878
Ion Ratio Lower Upper
117 100
82 50.8 41.3 61.9
119 31.2 24.6 37.0

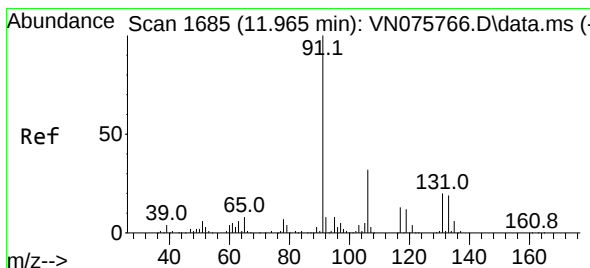
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Carlone



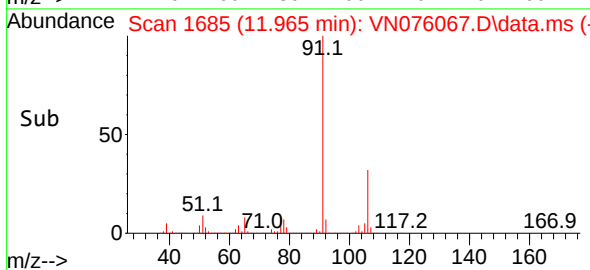
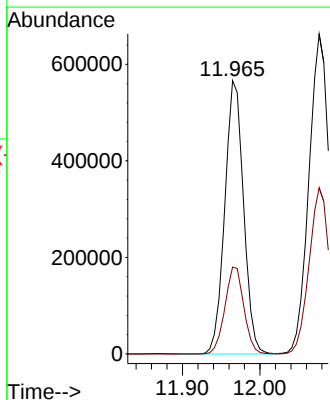
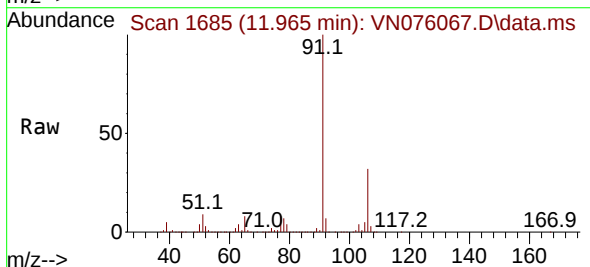
01/04/2023
Supervised By :Mahesh
Dadoda

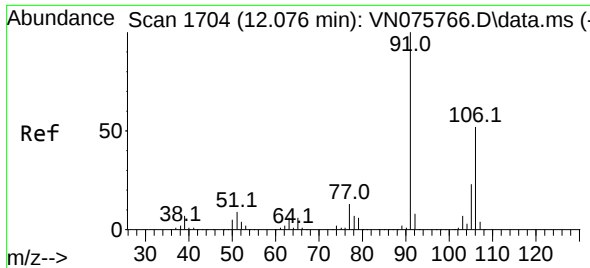
01/04/2023



#67
Ethyl Benzene
Concen: 57.079 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

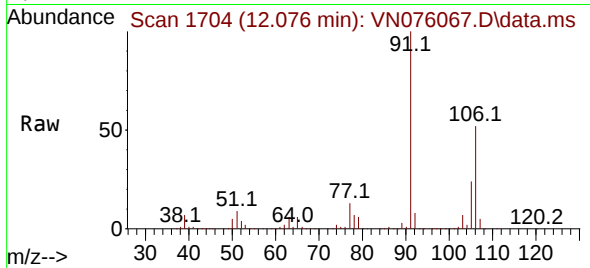
Tgt Ion: 91 Resp: 954779
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5





#68
m/p-Xylenes
Concen: 95.285 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

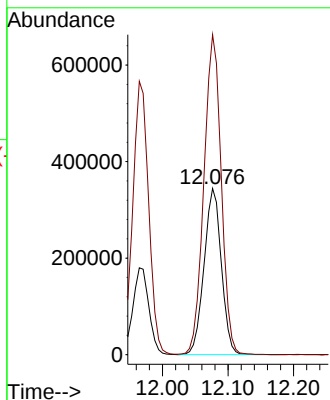
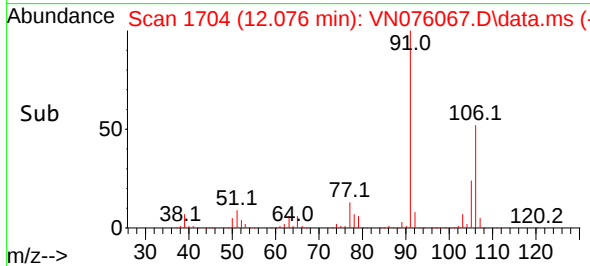
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:106 Resp: 63084
Ion Ratio Lower Upper
106 100
91 193.3 156.6 235.0

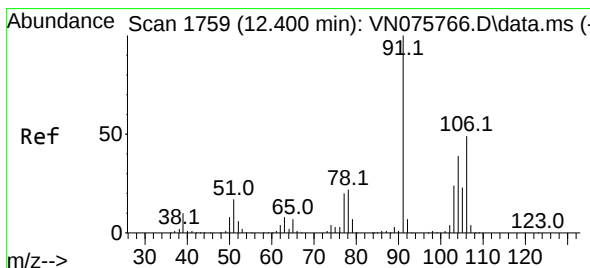
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Reviewed By :John
Carlone

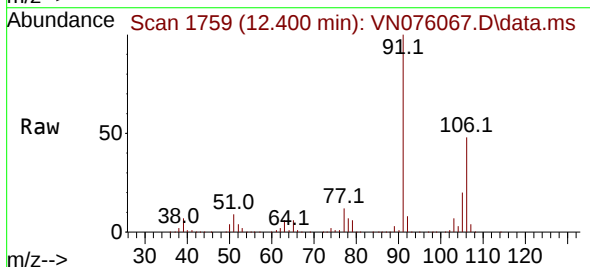


01/04/2023
Supervised By :Mahesh
Dadoda

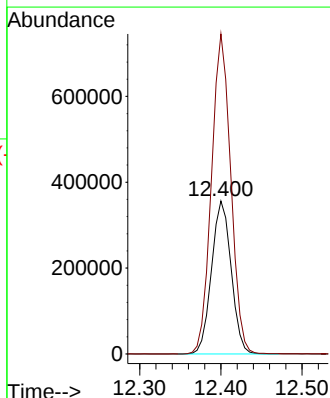
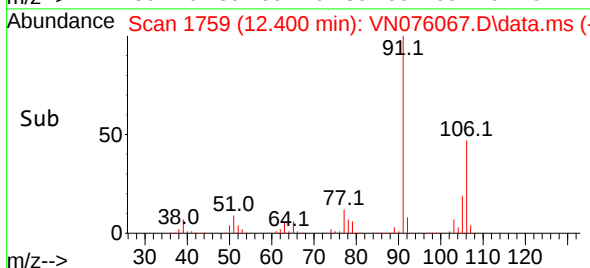
01/04/2023

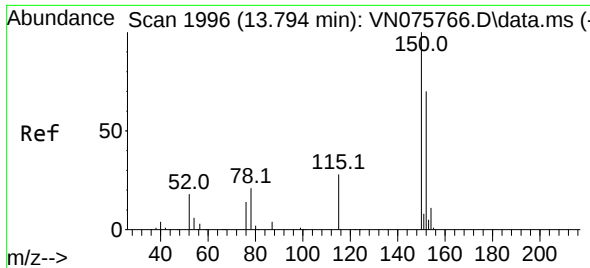


#69
o-Xylene
Concen: 91.388 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39



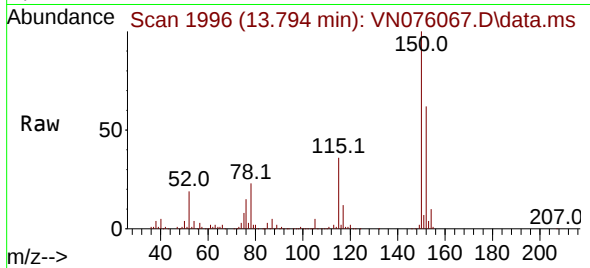
Tgt Ion:106 Resp: 598753
Ion Ratio Lower Upper
106 100
91 206.4 103.8 311.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

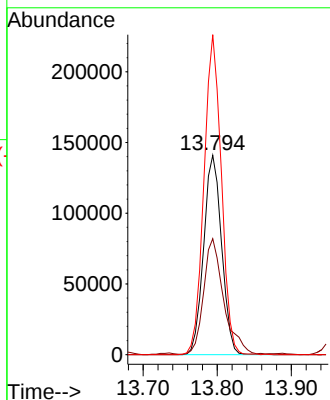
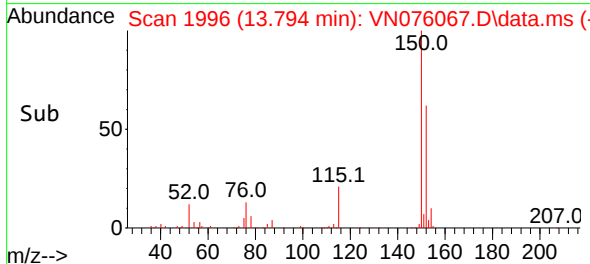
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:152 Resp: 23702
Ion Ratio Lower Upper
152 100
115 65.1 29.1 87.4
150 155.3 0.0 347.0

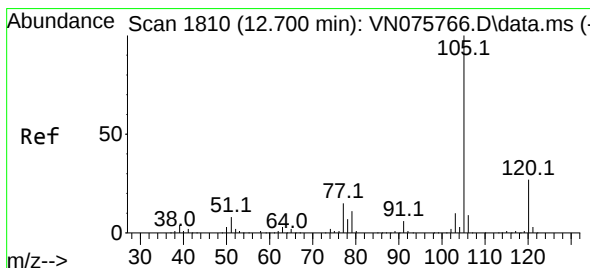
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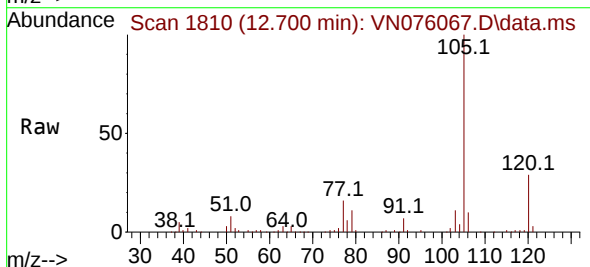


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Supervised By :Mahesh
Dadoda

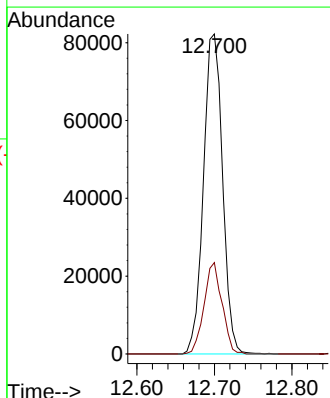
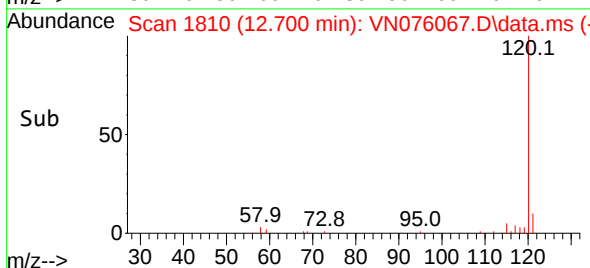
01/04/2023

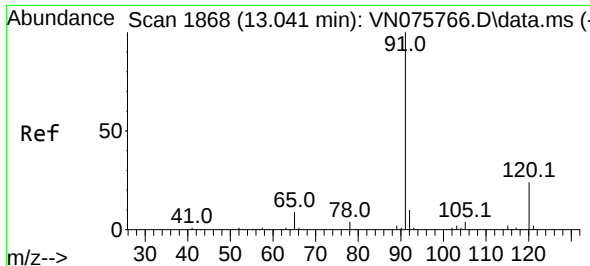


#73
Isopropylbenzene
Concen: 8.214 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39



Tgt Ion:105 Resp: 140695
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2





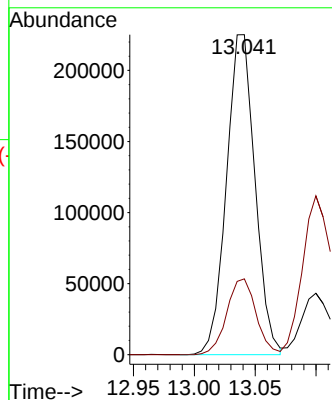
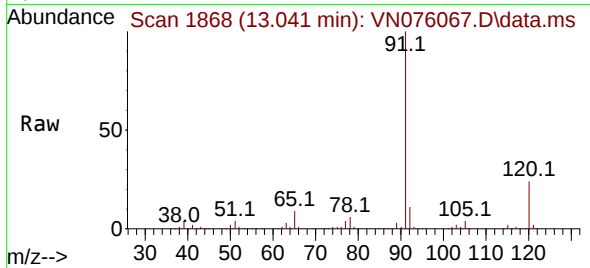
#78
n-propylbenzene
Concen: 19.459 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion: 91 Resp: 367609
Ion Ratio Lower Upper
91 100
120 24.3 12.0 36.1

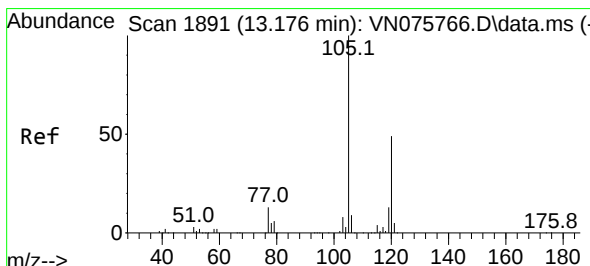
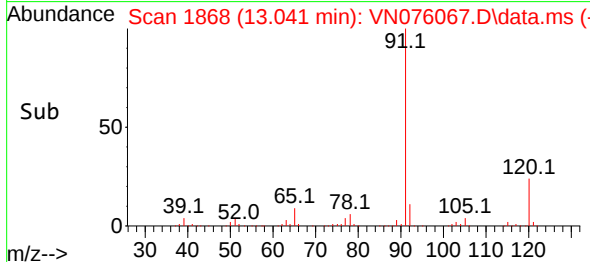
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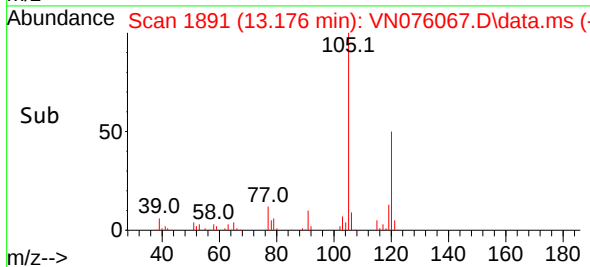
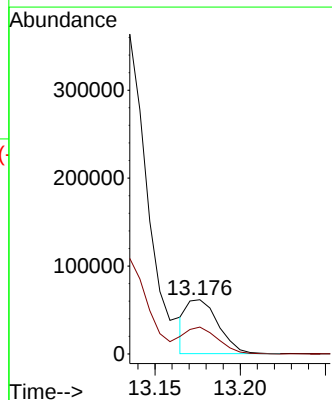
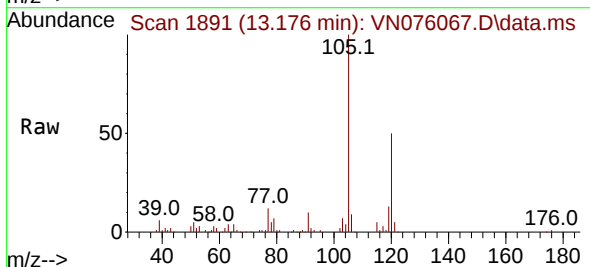
01/04/2023
Supervised By :Mahesh
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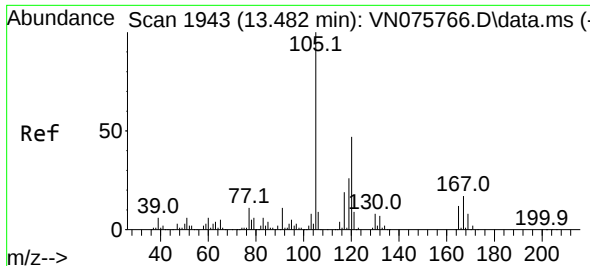
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#80
1,3,5-Trimethylbenzene
Concen: 5.498 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

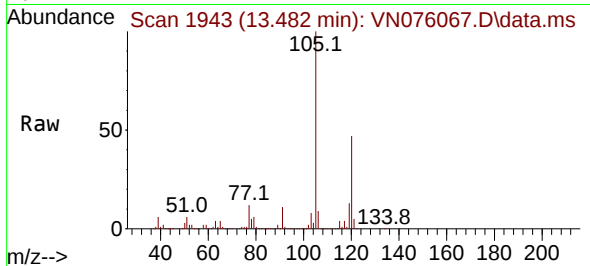
Tgt Ion:105 Resp: 78810
Ion Ratio Lower Upper
105 100
120 57.4 24.7 74.1





#84
1,2,4-Trimethylbenzene
Concen: 135.649 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

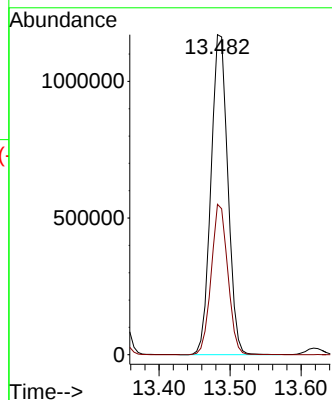
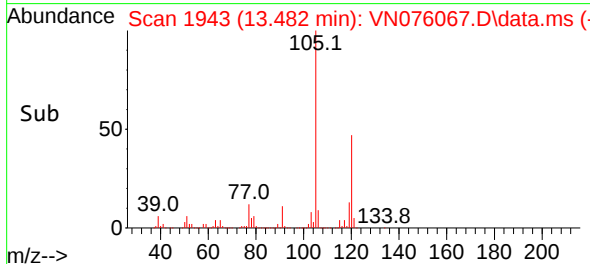
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:105 Resp: 1929104
Ion Ratio Lower Upper
105 100
120 46.2 23.3 69.8

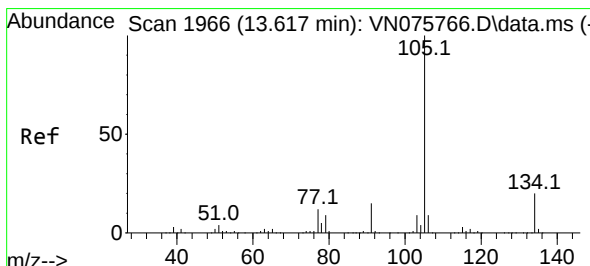
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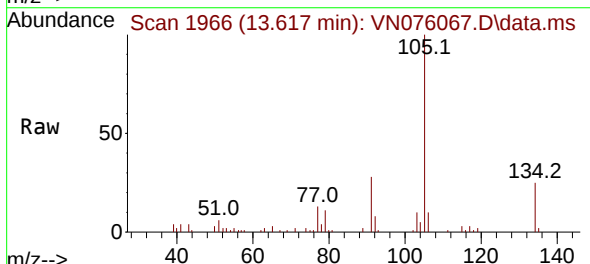


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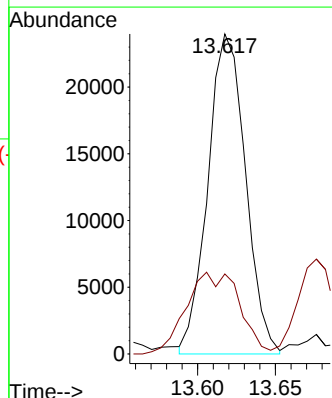
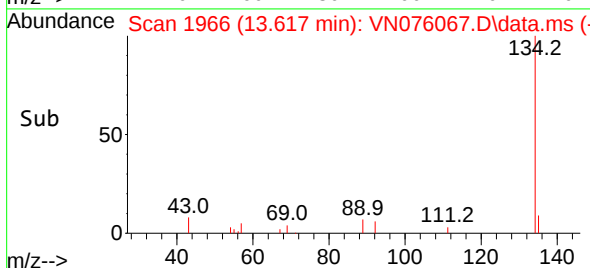
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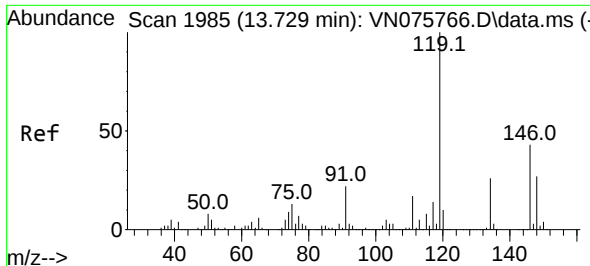


#85
sec-Butylbenzene
Concen: 2.312 ug/l m
RT: 13.617 min Scan# 1966
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39



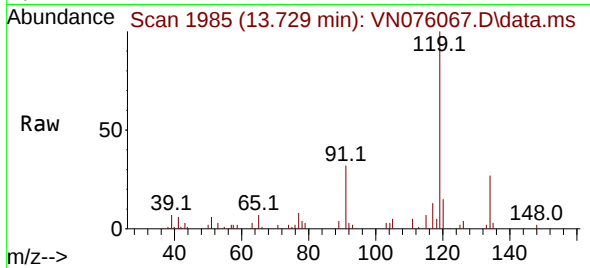
Tgt Ion:105 Resp: 40336
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#





#86
p-Isopropyltoluene
Concen: 1.418 ug/l m
RT: 13.729 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

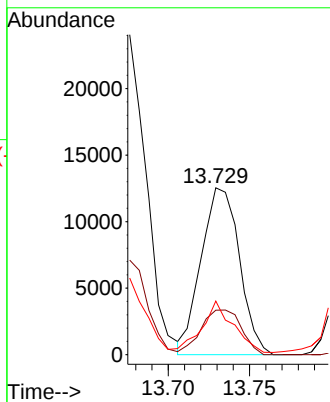
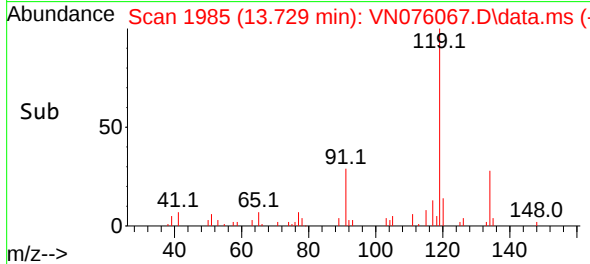
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion: 119 Resp: 20590
Ion Ratio Lower Upper
119 100
134 55.0 13.0 39.0
91 37.4 11.2 33.6

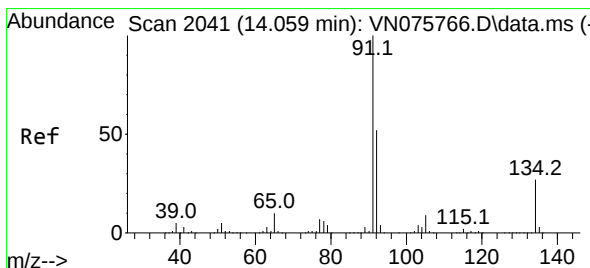
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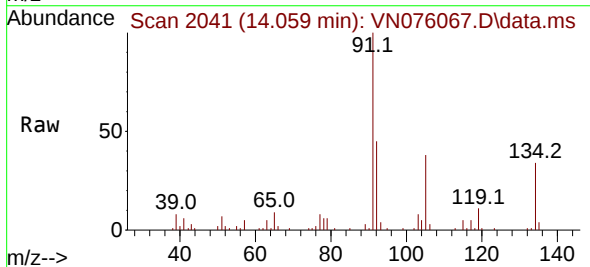


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Supervised By :Mahesh
Dadoda

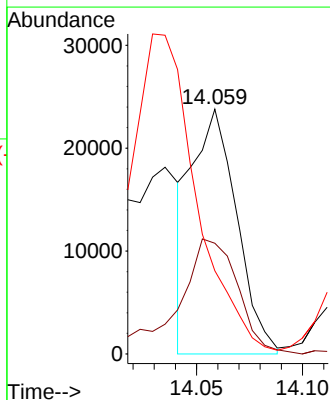
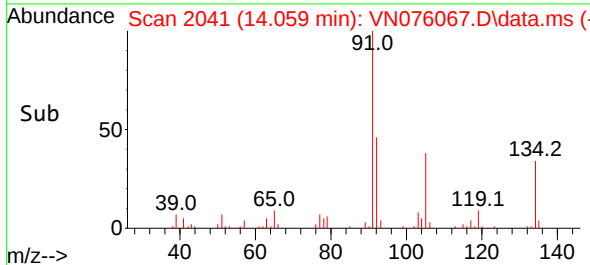
01/04/2023

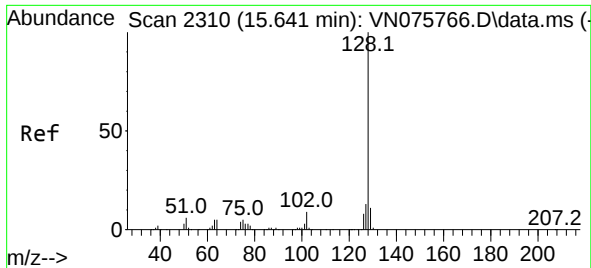


#89
n-Butylbenzene
Concen: 2.996 ug/l m
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39



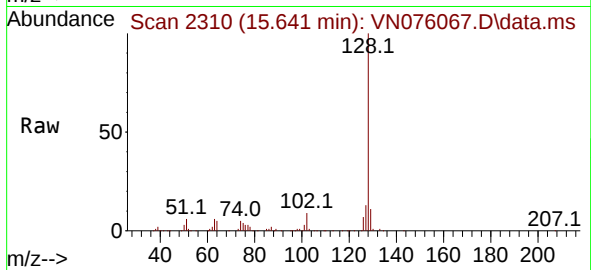
Tgt Ion: 91 Resp: 35238
Ion Ratio Lower Upper
91 100
92 60.2 26.4 79.2
134 0.0 13.4 40.2





#95
Naphthalene
Concen: 21.043 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076067.D
Acq: 03 Jan 2023 16:39

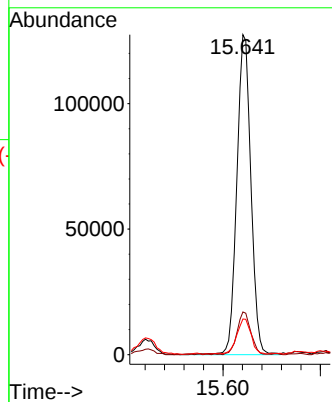
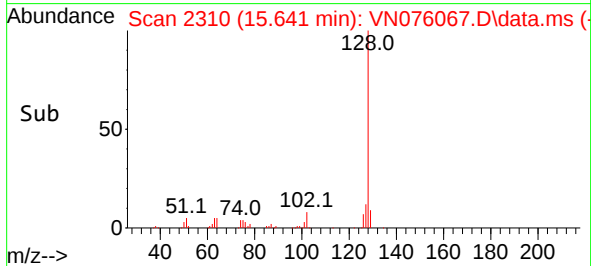
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:128 Resp: 25443
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.3 8.7 13.1

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