

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
 Data File : VN070439.D
 Acq On : 3 Jan 2022 16:01
 Operator : JC/MD
 Sample : M5251-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2D

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/04/2022
 Supervised By : Mahesh Dadoda 01/04/2022

Quant Time: Jan 04 01:34:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	1037381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1740388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1585592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	713491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	714451	47.900	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.800%		
35) Dibromofluoromethane	8.021	113	510850	48.513	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.020%		
50) Toluene-d8	10.438	98	2121674	49.322	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.640%		
62) 4-Bromofluorobenzene	12.728	95	878276	56.529	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.060%		
Target Compounds					Qvalue	
17) Carbon Disulfide	4.521	76	10697	0.371	ug/l	98
25) 2-Butanone	7.335	43	126999	10.417	ug/l #	86
31) Cyclohexane	8.094	56	960856	40.823	ug/l	86
39) Methylcyclohexane	9.459	83	721240	34.199	ug/l #	86
40) Benzene	8.458	78	19518	0.365	ug/l	93
52) Toluene	10.502	92	5025967	155.479	ug/l	96
67) Ethyl Benzene	11.843	91	14868750	241.214	ug/l	100
68) m/p-Xylenes	11.942	106	19771070m	881.150	ug/l	
69) o-Xylene	12.278	106	7667801	343.570	ug/l #	1
73) Isopropylbenzene	12.575	105	1233086	18.610	ug/l	98
78) n-propylbenzene	12.919	91	4145284	56.465	ug/l	96
80) 1,3,5-Trimethylbenzene	13.055	105	6440200	121.293	ug/l	99
84) 1,2,4-Trimethylbenzene	13.356	105	18474263m	361.335	ug/l	
85) sec-Butylbenzene	13.498	105	224143m	3.531	ug/l	
86) p-Isopropyltoluene	13.613	119	105514	2.116	ug/l #	77
89) n-Butylbenzene	13.938	91	234653m	5.642	ug/l	

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

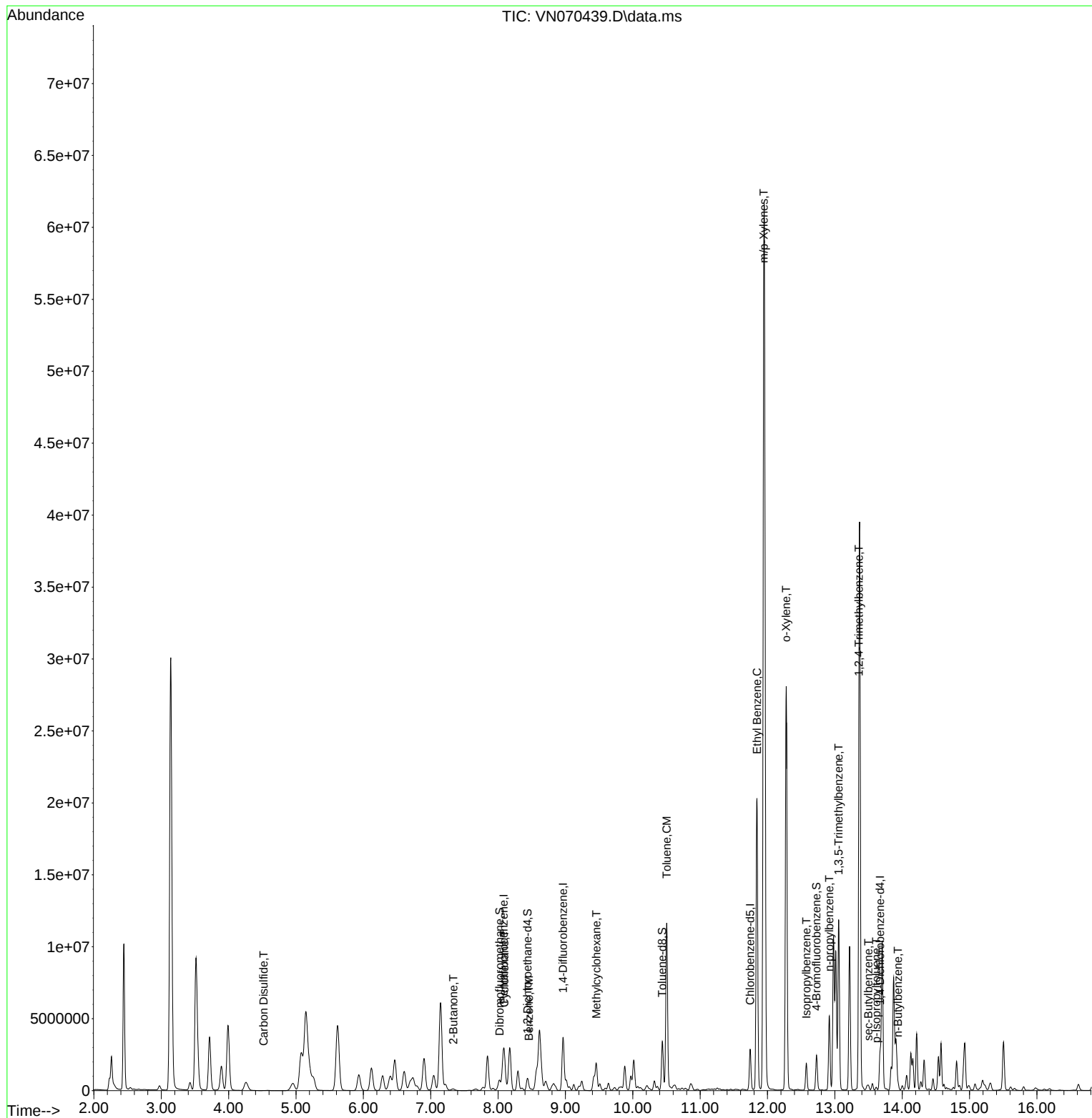
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
Data File : VN070439.D
Acq On : 3 Jan 2022 16:01
Operator : JC/MD
Sample : M5251-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

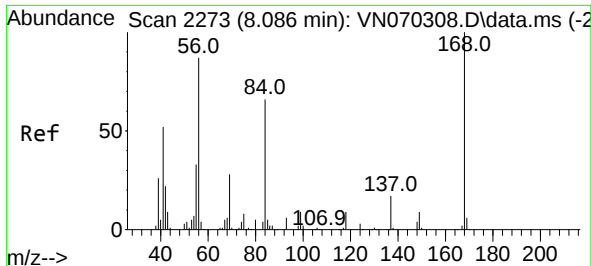
Instrument :
MSVOA_N
ClientSampleId :
MW-2D

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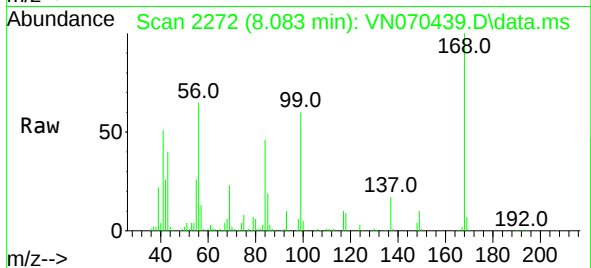
Quant Time: Jan 04 01:34:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

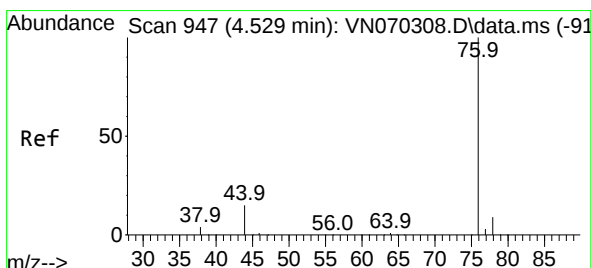
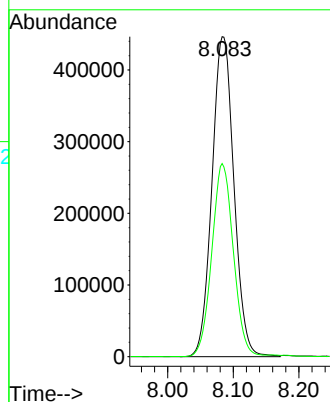
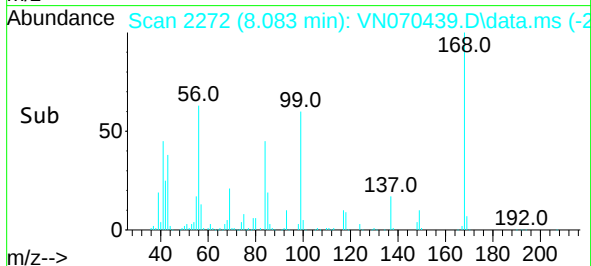
Instrument :
MSVOA_N
ClientSampleId :
MW-2D



Tgt Ion:168 Resp: 103738
Ion Ratio Lower Upper
168 100
99 60.3 41.3 61.9

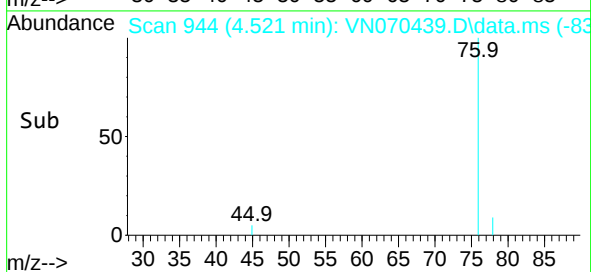
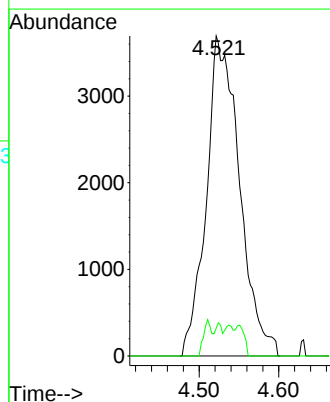
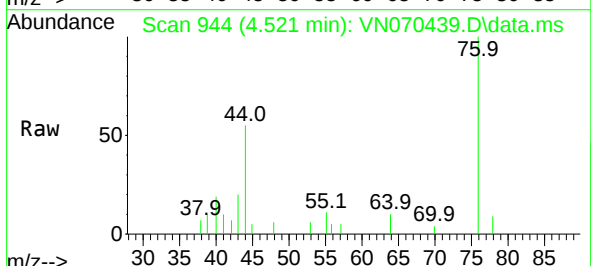
Manual Integrations
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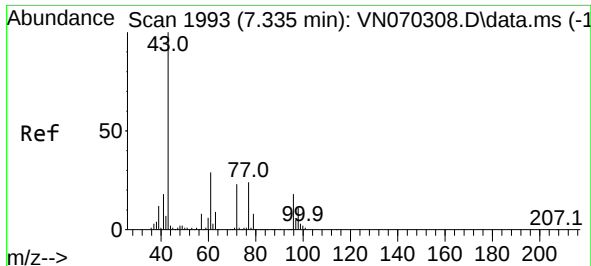
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#17
Carbon Disulfide
Concen: 0.371 ug/l
RT: 4.521 min Scan# 944
Delta R.T. -0.008 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

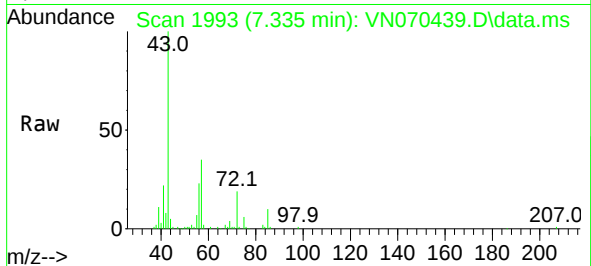
Tgt Ion: 76 Resp: 10697
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3





#25
2-Butanone
Concen: 10.417 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

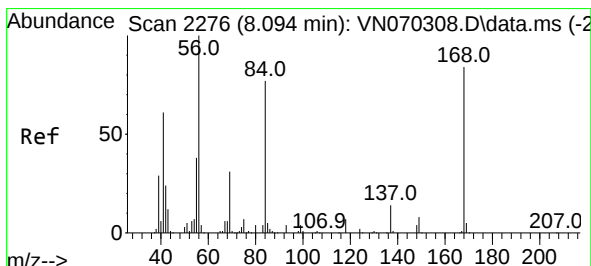
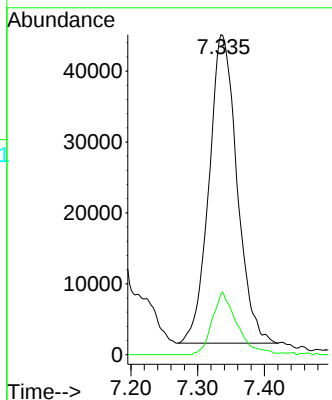
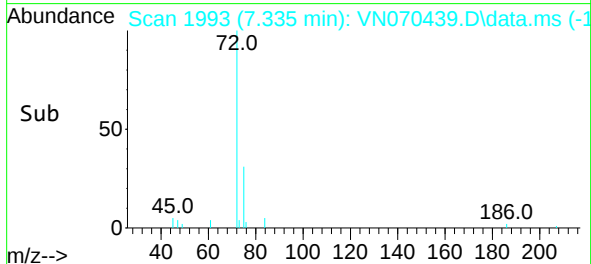
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 43 Resp: 126999
Ion Ratio Lower Upper
43 100
72 19.7 21.7 32.5

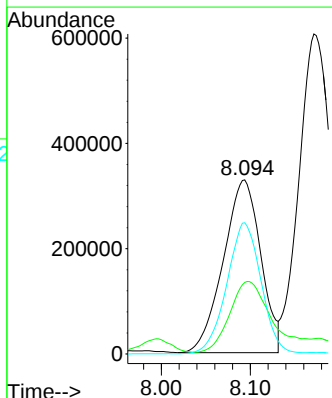
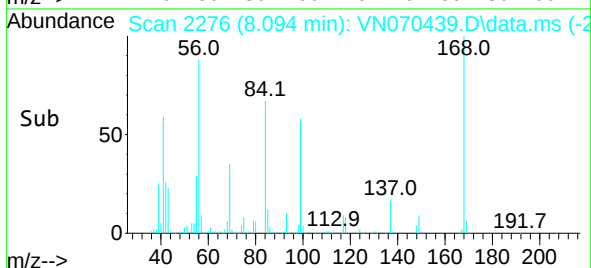
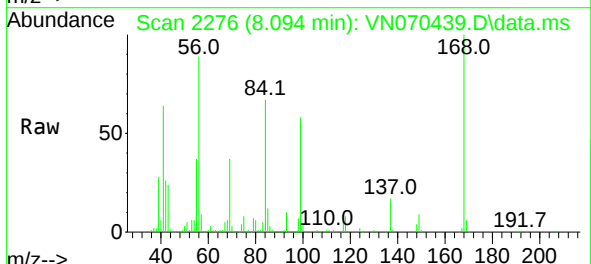
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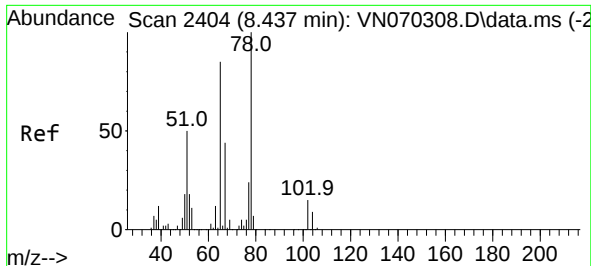
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#31
Cyclohexane
Concen: 40.823 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

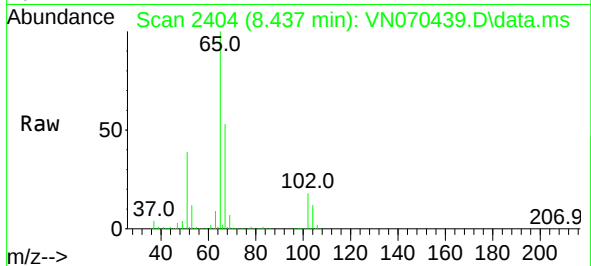
Tgt Ion: 56 Resp: 960856
Ion Ratio Lower Upper
56 100
69 38.4 27.1 40.7
84 75.9 73.4 110.0





#33
1,2-Dichloroethane-d4
Concen: 47.900 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

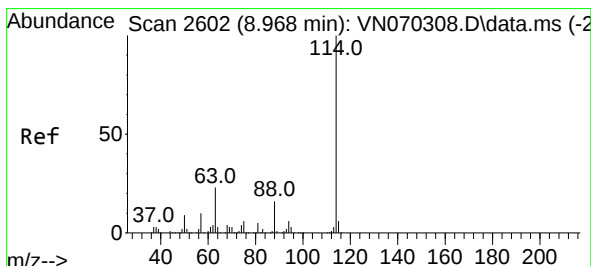
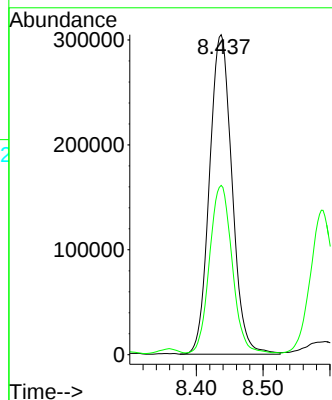
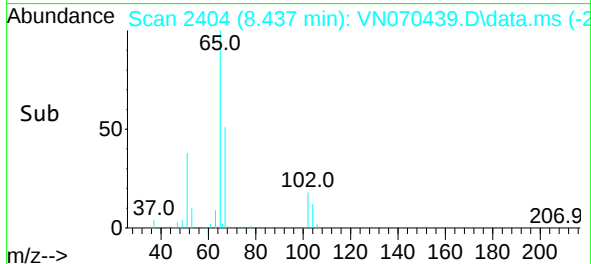
Instrument :
MSVOA_N
ClientSampleId :
MW-2D



Tgt Ion: 65 Resp: 71445
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0

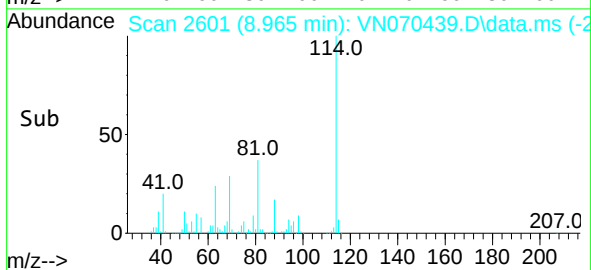
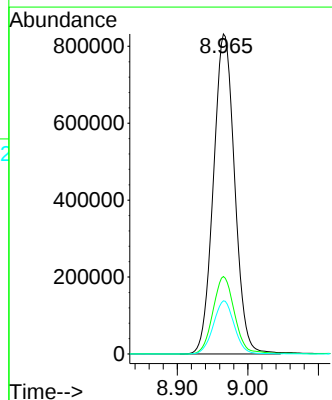
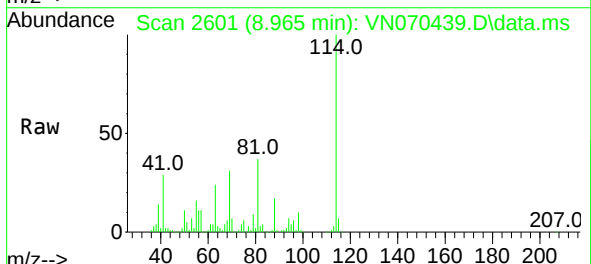
Manual Integrations
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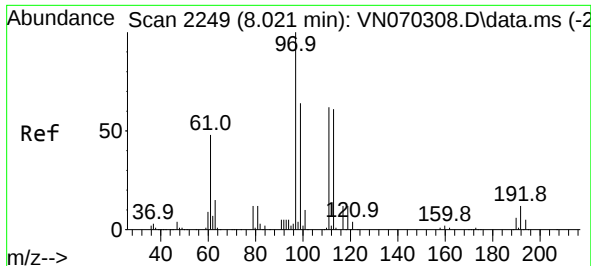
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

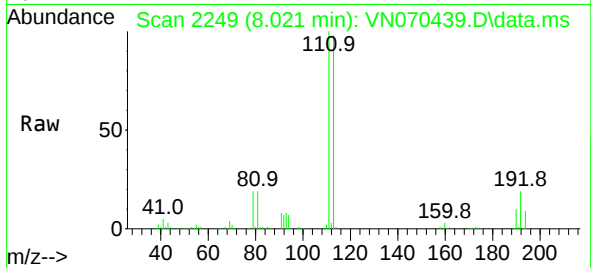
Tgt Ion:114 Resp: 1740388
Ion Ratio Lower Upper
114 100
63 24.2 0.0 37.8
88 16.6 0.0 27.4





#35
Dibromofluoromethane
Concen: 48.513 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

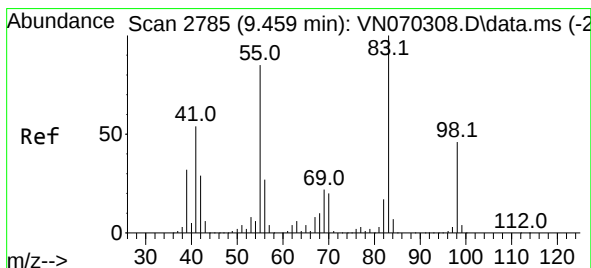
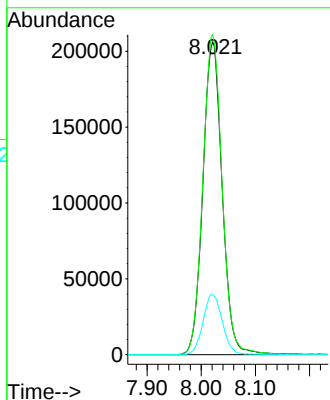
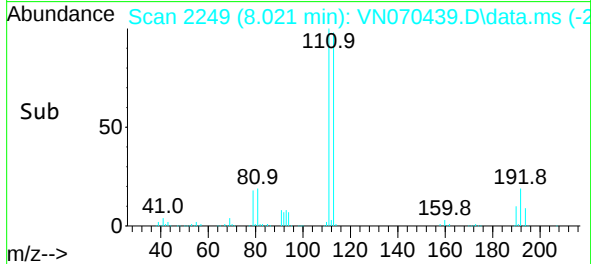
Instrument :
MSVOA_N
ClientSampleId :
MW-2D



Tgt Ion: 113 Resp: 510850
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 19.2 16.9 25.3

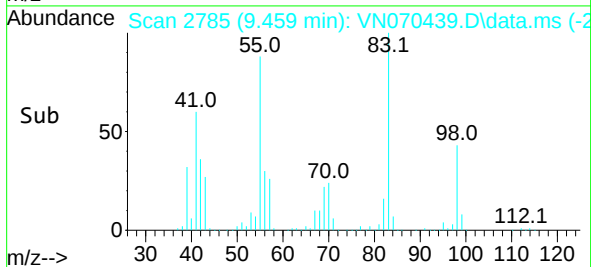
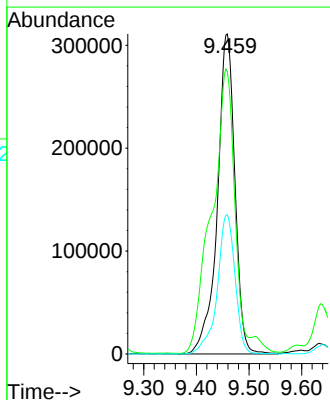
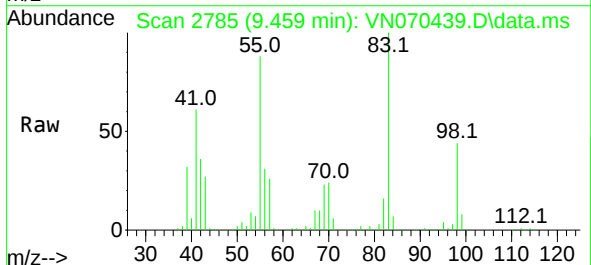
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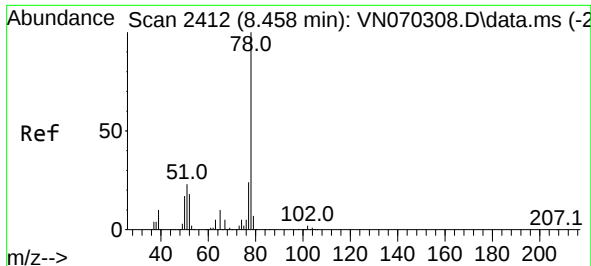
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#39
Methylcyclohexane
Concen: 34.199 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

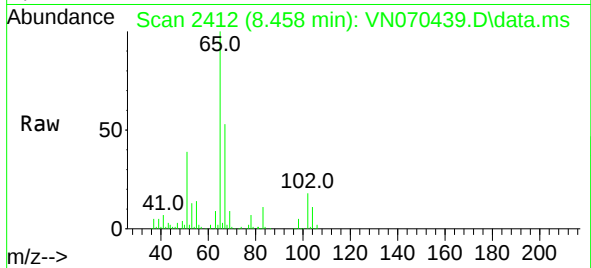
Tgt Ion: 83 Resp: 721240
Ion Ratio Lower Upper
83 100
55 88.1 58.1 87.1#
98 43.5 38.4 57.6





#40
Benzene
Concen: 0.365 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

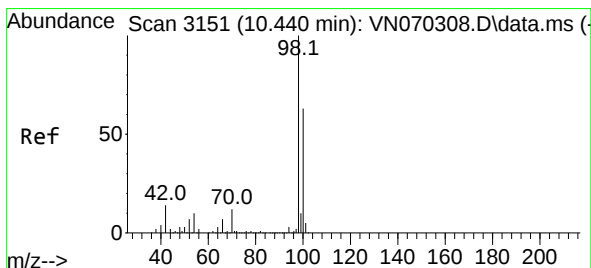
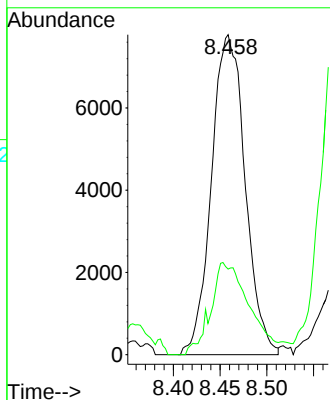
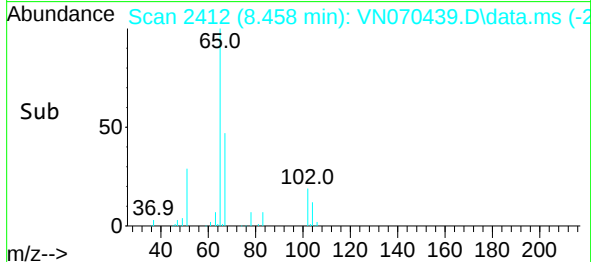
Instrument :
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ClientSampleId :
MW-2D



Tgt Ion: 78 Resp: 19518
Ion Ratio Lower Upper
78 100
77 26.8 18.6 27.8

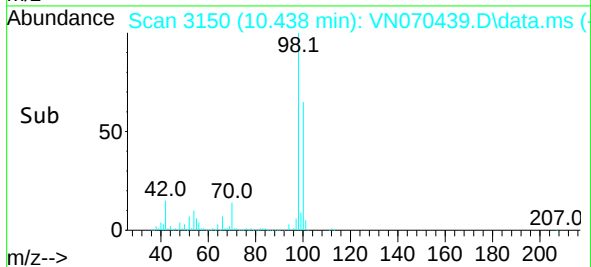
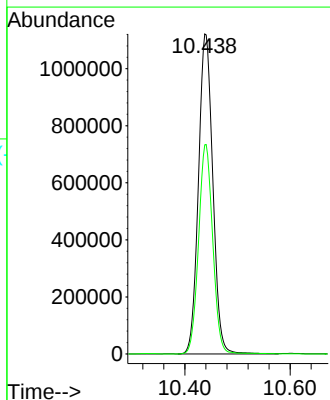
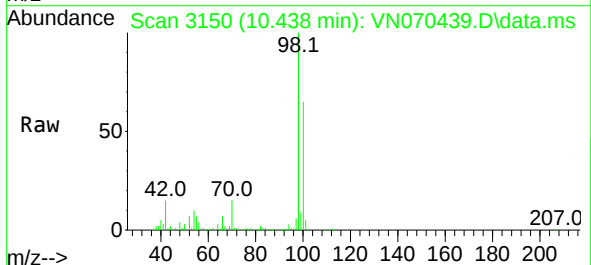
Manual Integrations
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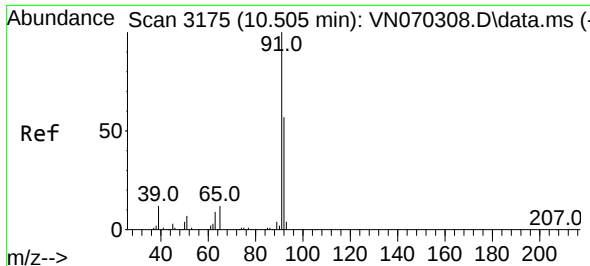
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#50
Toluene-d8
Concen: 49.322 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.002 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

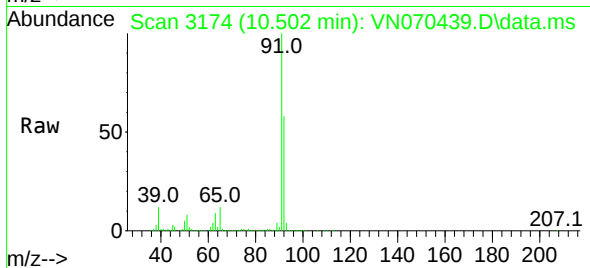
Tgt Ion: 98 Resp: 2121674
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6





#52
Toluene
Concen: 155.479 ug/l
RT: 10.502 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

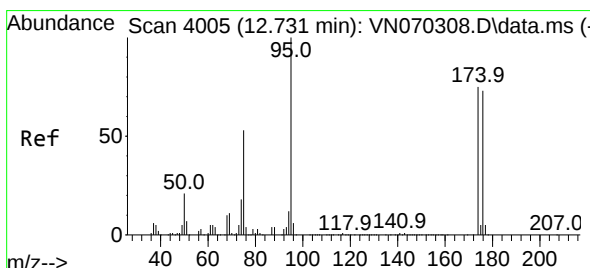
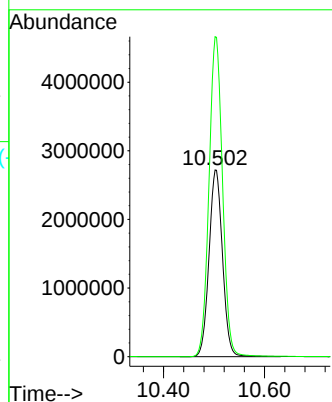
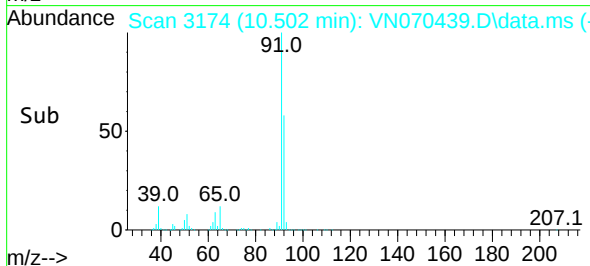
Instrument :
MSVOA_N
ClientSampleId :
MW-2D



Tgt Ion: 92 Resp: 502596
Ion Ratio Lower Upper
92 100
91 172.2 142.0 213.0

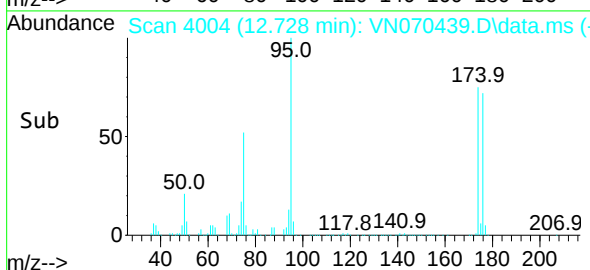
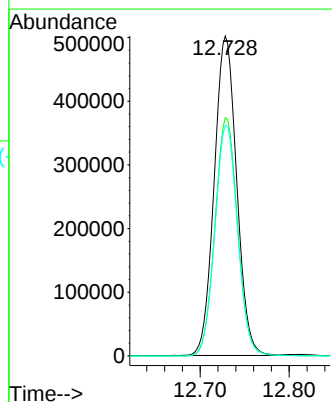
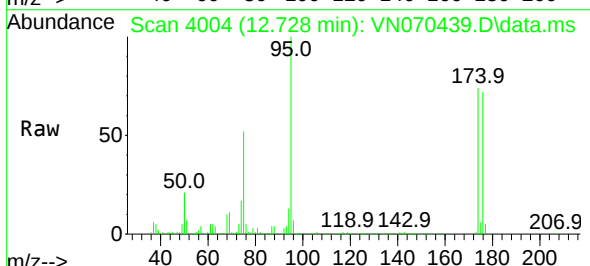
Manual Integrations
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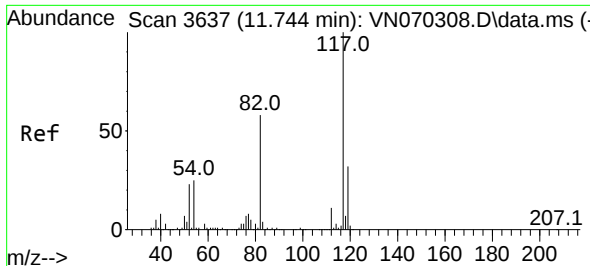
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#62
4-Bromofluorobenzene
Concen: 56.529 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

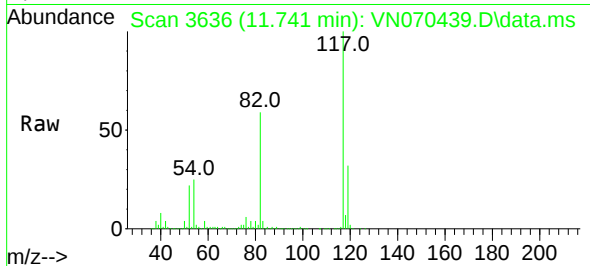
Tgt Ion: 95 Resp: 878276
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 73.1 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

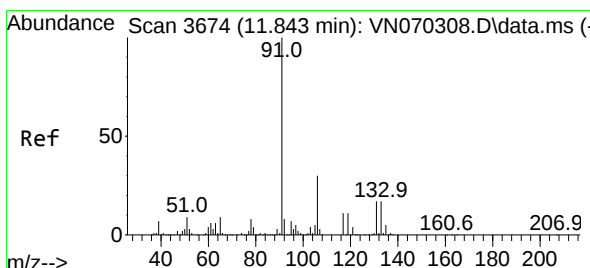
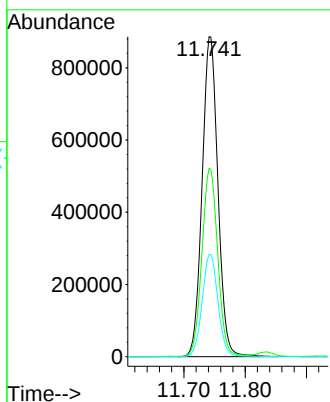
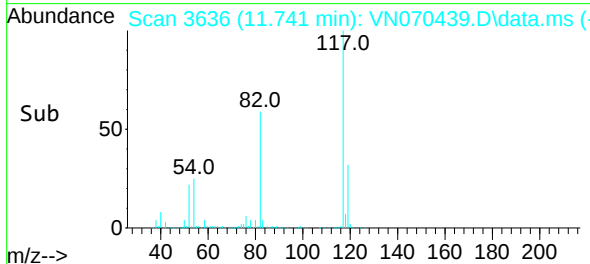
Instrument :
MSVOA_N
ClientSampleId :
MW-2D



Tgt Ion:117 Resp: 1585592
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 31.9 25.4 38.2

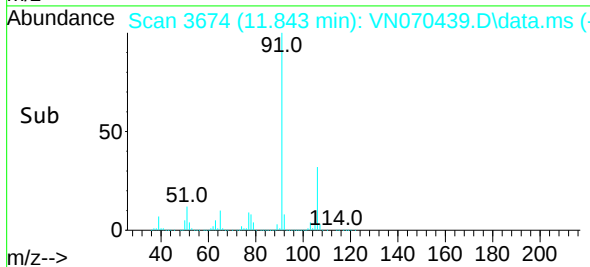
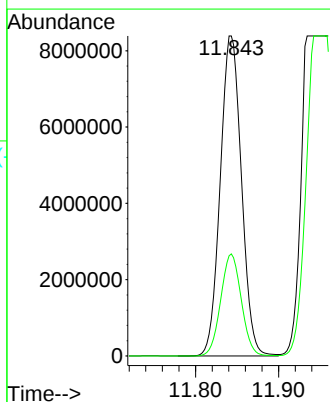
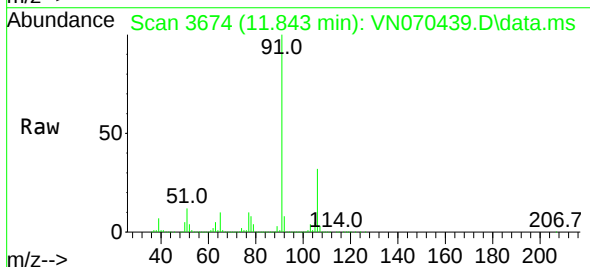
Manual Integrations
APPROVED

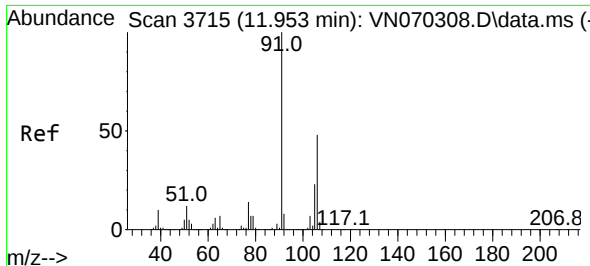
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#67
Ethyl Benzene
Concen: 241.214 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

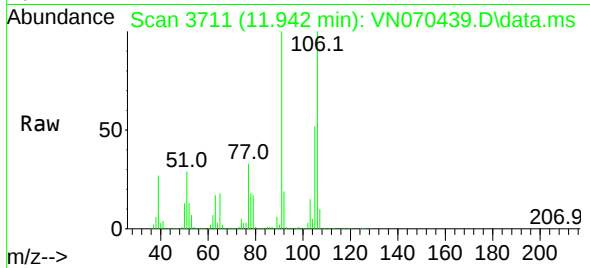
Tgt Ion: 91 Resp:14868750
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5





#68
m/p-Xylenes
Concen: 881.150 ug/l m
RT: 11.942 min Scan# 3711
Delta R.T. -0.011 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

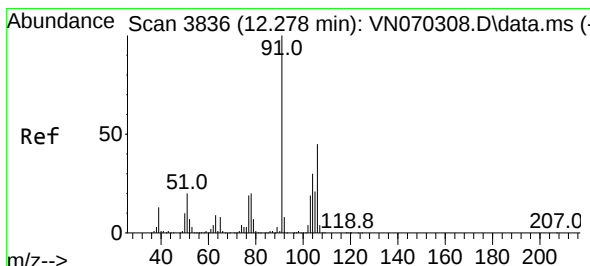
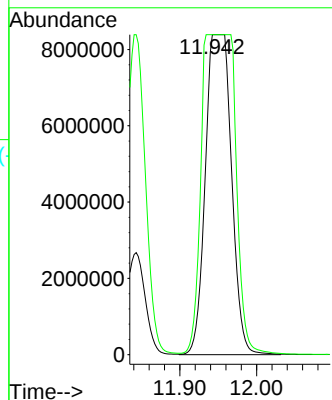
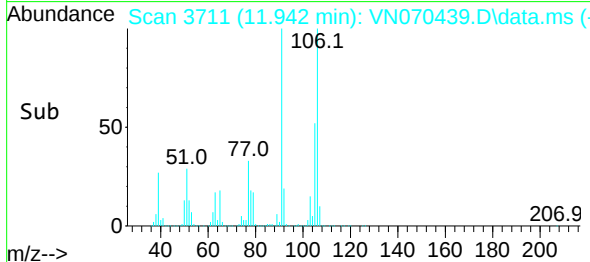
Instrument :
MSVOA_N
ClientSampleId :
MW-2D



Tgt Ion:106 Resp:19771070
Ion Ratio Lower Upper
106 100
91 75.2 160.6 240.8

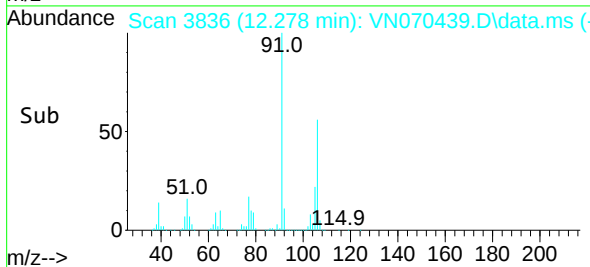
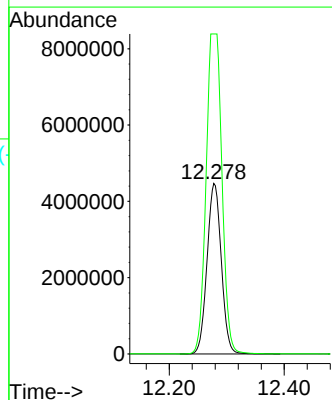
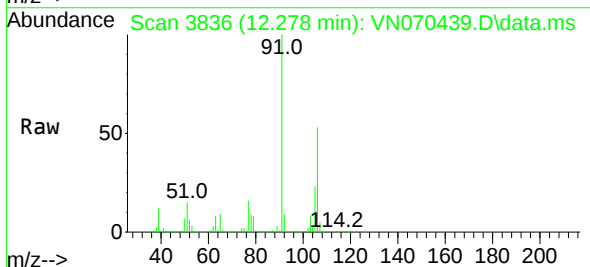
Manual Integrations
APPROVED

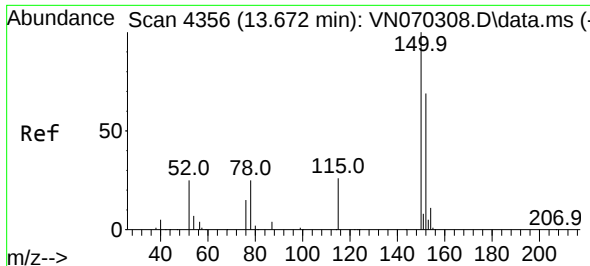
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#69
o-Xylene
Concen: 343.570 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

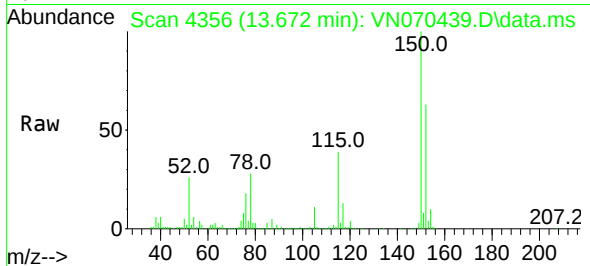
Tgt Ion:106 Resp: 7667801
Ion Ratio Lower Upper
106 100
91 0.0 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

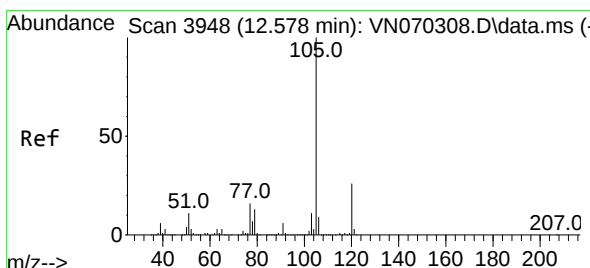
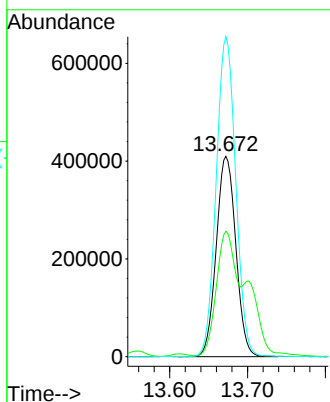
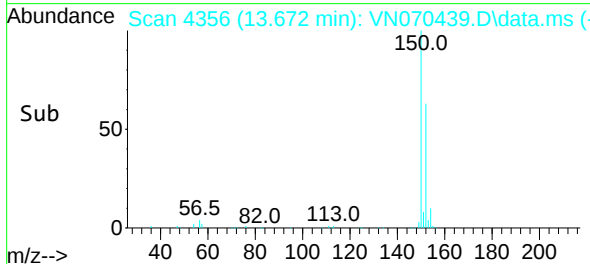
Instrument :
MSVOA_N
ClientSampleId :
MW-2D



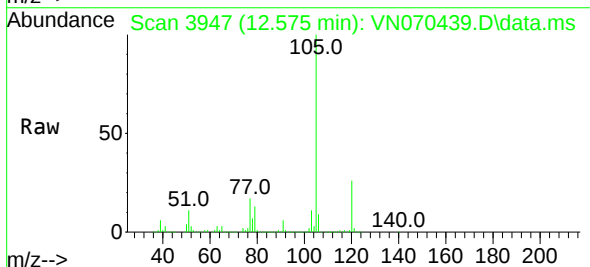
Tgt Ion:152 Resp: 71349
Ion Ratio Lower Upper
152 100
115 62.8 27.5 82.5
150 159.4 0.0 344.4

Manual Integrations
APPROVED

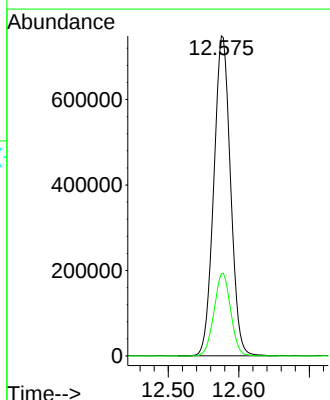
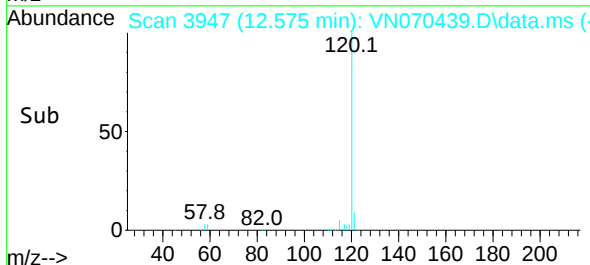
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

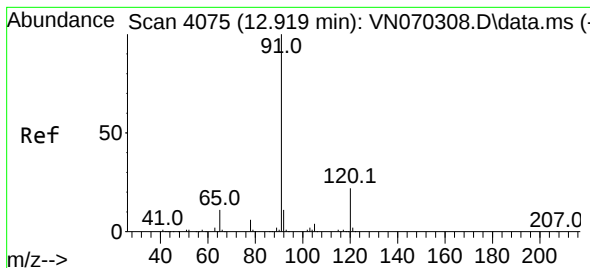


#73
Isopropylbenzene
Concen: 18.610 ug/l
RT: 12.575 min Scan# 3947
Delta R.T. -0.003 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01



Tgt Ion:105 Resp: 1233086
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1





#78

n-propylbenzene

Concen: 56.465 ug/l

RT: 12.919 min Scan# 4075

Delta R.T. -0.000 min

Lab File: VN070439.D

Acq: 3 Jan 2022 16:01

Instrument :

MSVOA_N

ClientSampleId :

MW-2D

Tgt Ion: 91 Resp: 4145284

Ion Ratio Lower Upper

91 100

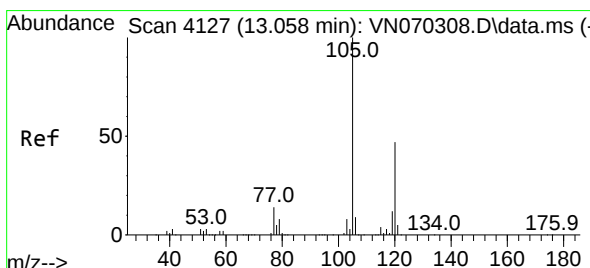
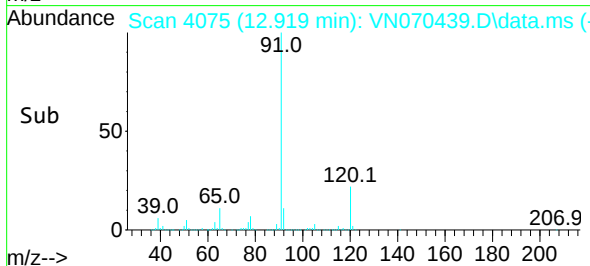
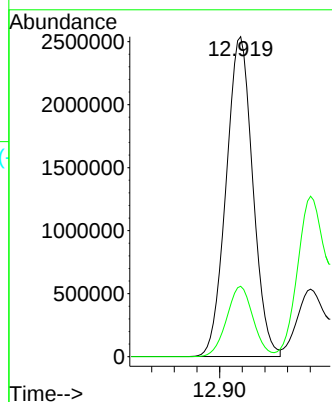
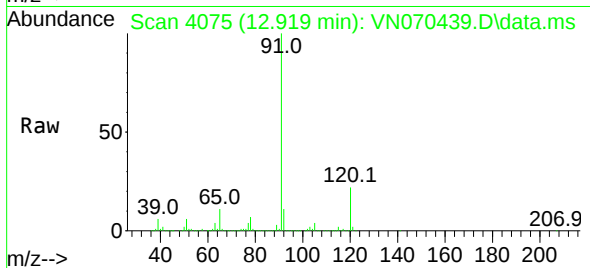
120 21.9 11.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#80

1,3,5-Trimethylbenzene

Concen: 121.293 ug/l

RT: 13.055 min Scan# 4126

Delta R.T. -0.003 min

Lab File: VN070439.D

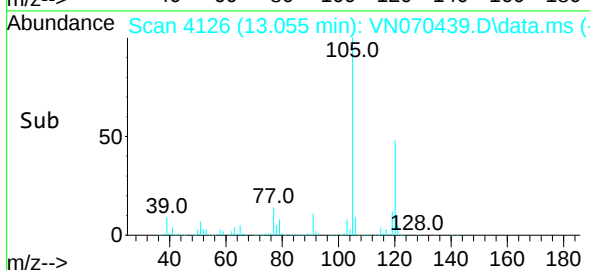
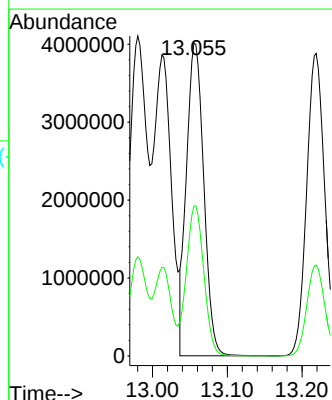
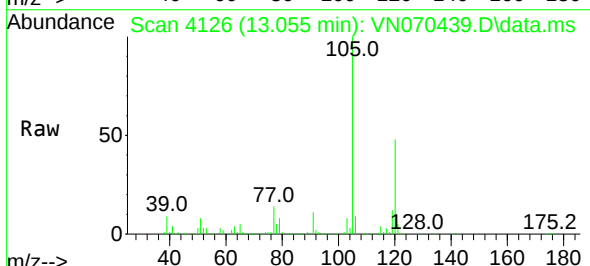
Acq: 3 Jan 2022 16:01

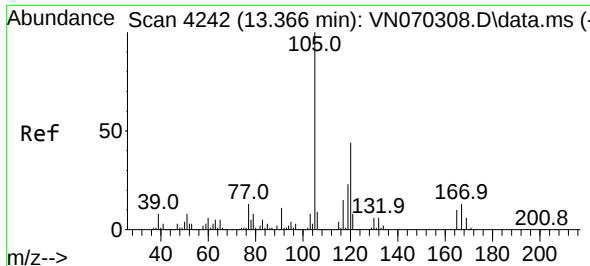
Tgt Ion:105 Resp: 6440200

Ion Ratio Lower Upper

105 100

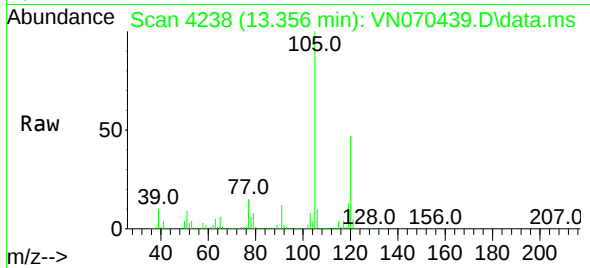
120 48.8 24.6 73.6





#84
1,2,4-Trimethylbenzene
Concen: 361.335 ug/l m
RT: 13.356 min Scan# 41
Delta R.T. -0.010 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

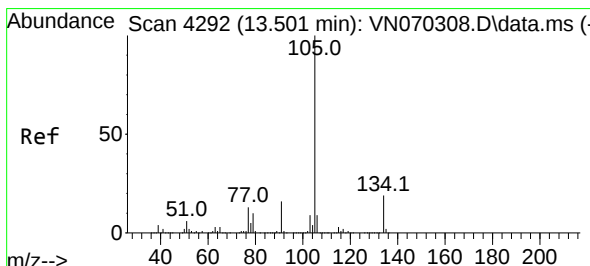
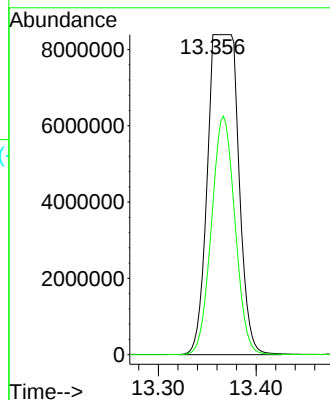
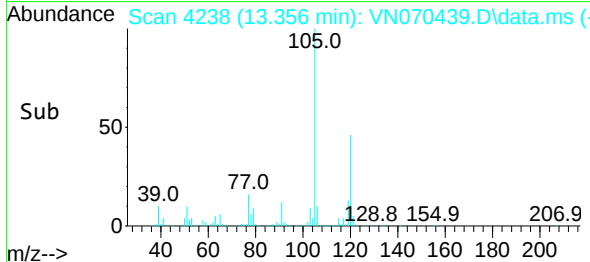
Instrument :
MSVOA_N
ClientSampleId :
MW-2D



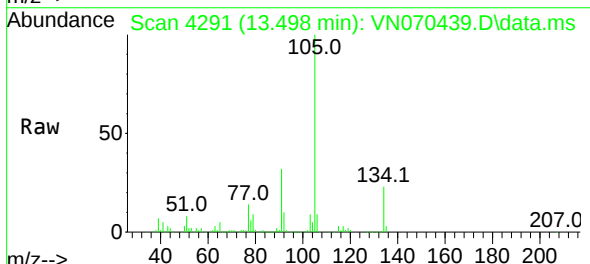
Tgt Ion:105 Resp:1847426
Ion Ratio Lower Upper
105 100
120 10.5 22.8 68.4

Manual Integrations
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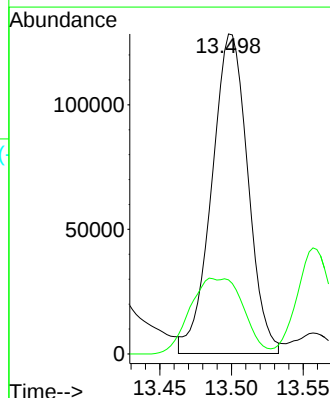
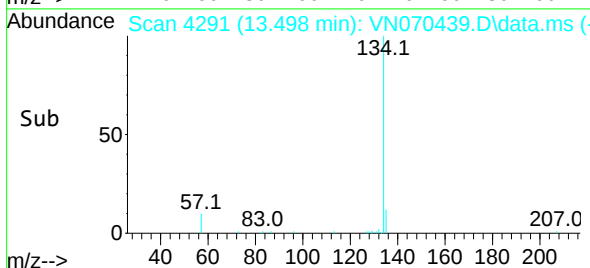
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

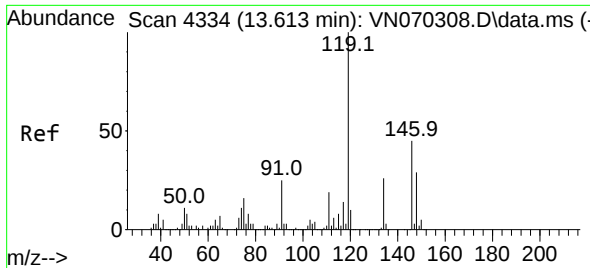


#85
sec-Butylbenzene
Concen: 3.531 ug/l m
RT: 13.498 min Scan# 4291
Delta R.T. -0.003 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01



Tgt Ion:105 Resp: 224143
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





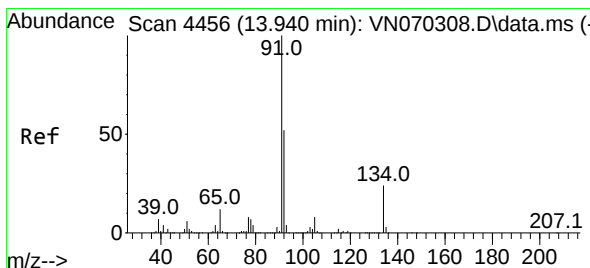
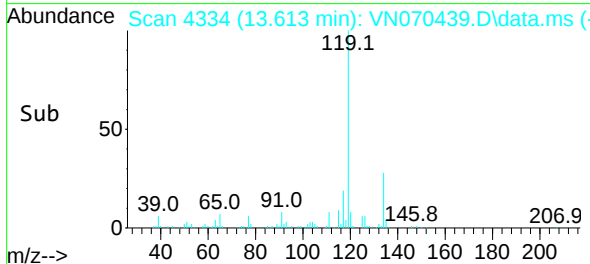
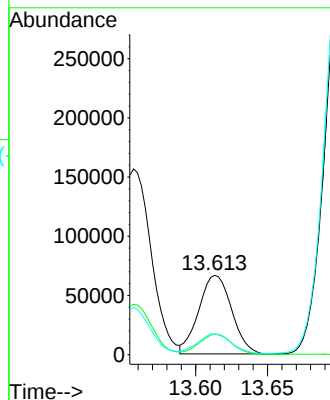
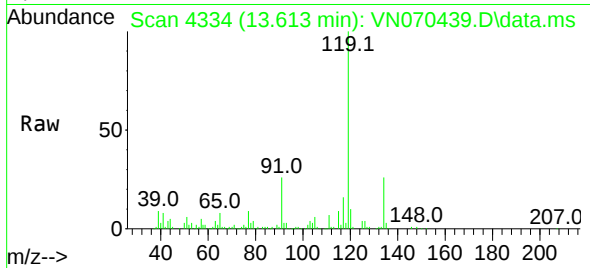
#86
p-Isopropyltoluene
Concen: 2.116 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. 0.000 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW-2D

Tgt Ion:119 Resp: 105514
Ion Ratio Lower Upper
119 100
134 25.6 13.6 40.7
91 0.0 11.4 34.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#89
n-Butylbenzene
Concen: 5.642 ug/l m
RT: 13.938 min Scan# 4455
Delta R.T. -0.002 min
Lab File: VN070439.D
Acq: 3 Jan 2022 16:01

Tgt Ion: 91 Resp: 234653
Ion Ratio Lower Upper
91 100
92 57.6 25.4 76.0
134 49.0 13.6 40.8

