

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
 Data File : VN070459.D
 Acq On : 4 Jan 2022 13:20
 Operator : JC/MD
 Sample : M5251-01DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1RDL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/05/2022
 Supervised By : Mahesh Dadoda 01/05/2022

Quant Time: Jan 05 03:15:04 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	1077200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1803757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1633800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	646331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	806523	52.074	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.140%			
35) Dibromofluoromethane	8.018	113	549273	50.329	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.660%			
50) Toluene-d8	10.438	98	2264836	50.800	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.600%			
62) 4-Bromofluorobenzene	12.728	95	897898	55.761	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 111.520%			
Target Compounds					Qvalue	
16) Acetone	4.291	43	20610	2.050	ug/l	98
25) 2-Butanone	7.343	43	15798	1.248	ug/l #	84
31) Cyclohexane	8.091	56	73166	2.994	ug/l #	75
39) Methylcyclohexane	9.456	83	25854	1.183	ug/l #	87
40) Benzene	8.456	78	19214	0.347	ug/l	93
52) Toluene	10.505	92	9945	0.297	ug/l	97
59) 2-Hexanone	11.084	43	17800	1.053	ug/l	86
67) Ethyl Benzene	11.843	91	2629963	41.407	ug/l	96
68) m/p-Xylenes	11.950	106	4398371	190.241	ug/l	93
69) o-Xylene	12.277	106	172549	7.503	ug/l	93
73) Isopropylbenzene	12.575	105	143592	2.392	ug/l	99
78) n-propylbenzene	12.918	91	369568	5.557	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	702847	14.613	ug/l	96
84) 1,2,4-Trimethylbenzene	13.366	105	3674880	79.345	ug/l	98
85) sec-Butylbenzene	13.498	105	19763m	0.344	ug/l	
86) p-Isopropyltoluene	13.613	119	11229m	0.249	ug/l	
89) n-Butylbenzene	13.940	91	22176m	0.589	ug/l	

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

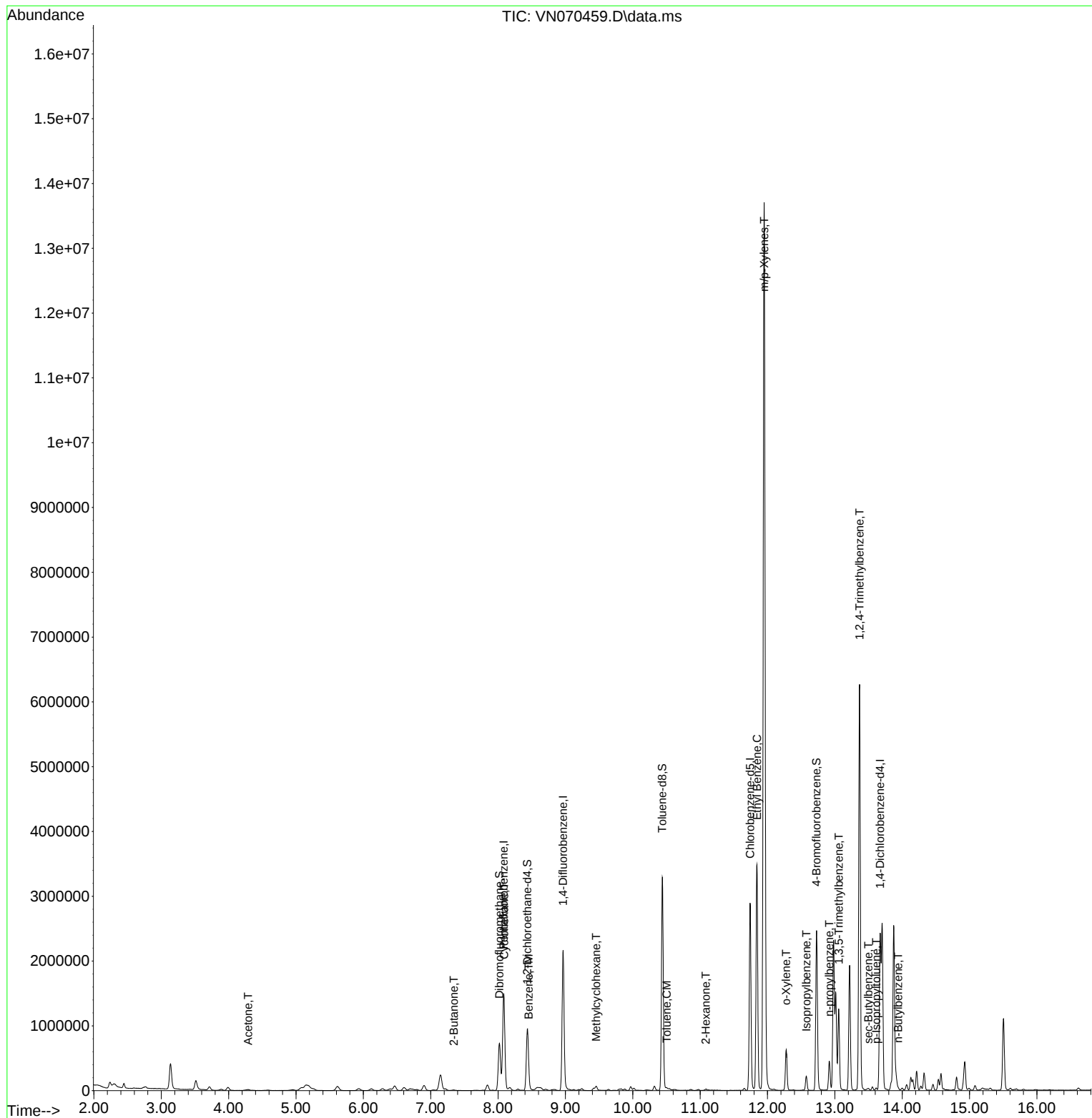
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
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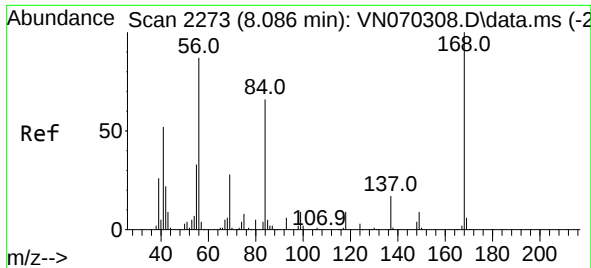
Instrument :
MSVOA_N
ClientSampleId :
MW-1RDL

Quant Time: Jan 05 03:15:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
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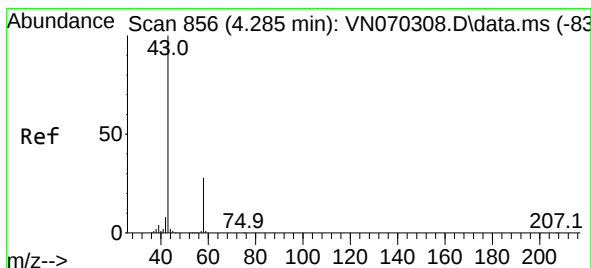
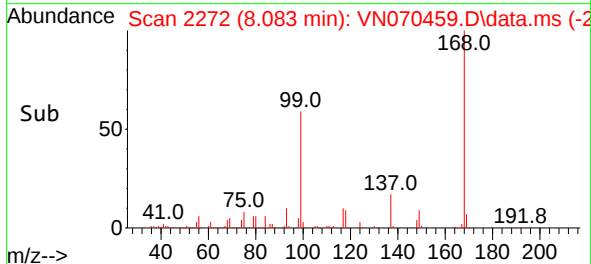
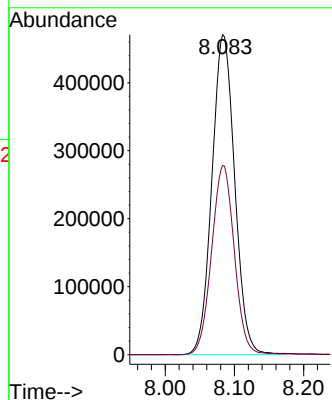
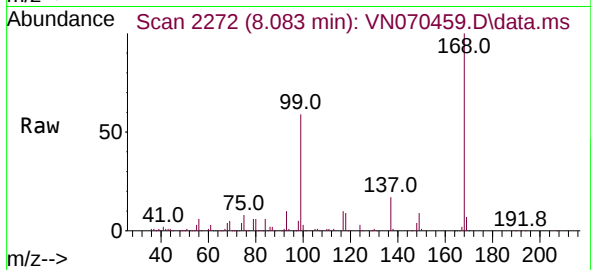
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

Instrument :
MSVOA_N
ClientSampleId :
MW-1RDL

Tgt Ion:168 Resp: 1077200
Ion Ratio Lower Upper
168 100
99 59.1 41.3 61.9

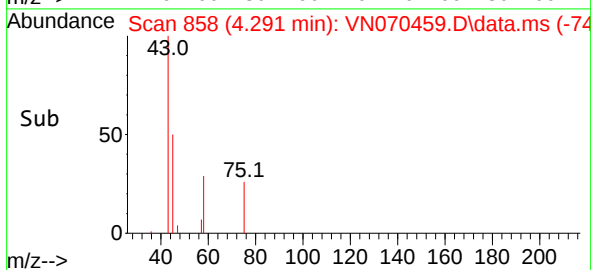
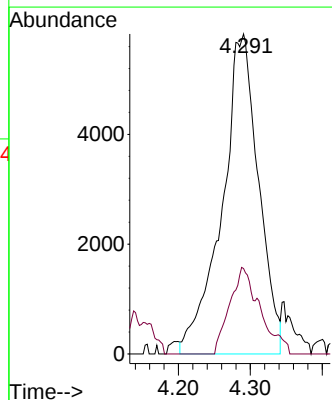
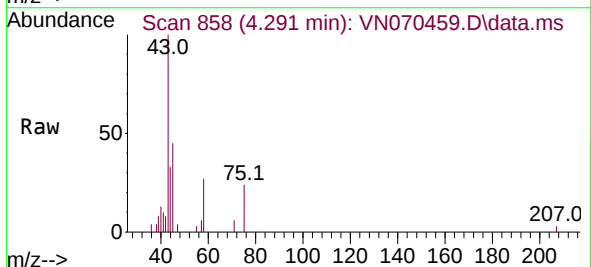
Manual Integrations
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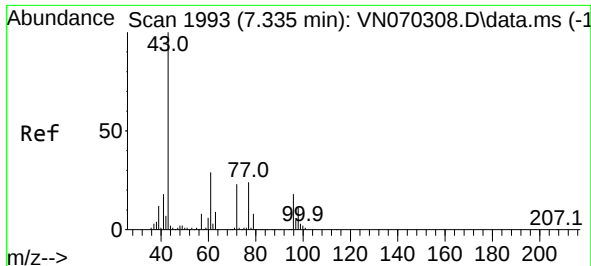
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022



#16
Acetone
Concen: 2.050 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

Tgt Ion: 43 Resp: 20610
Ion Ratio Lower Upper
43 100
58 27.7 23.1 34.7





#25

2-Butanone

Concen: 1.248 ug/l

RT: 7.343 min Scan# 1993

Delta R.T. 0.008 min

Lab File: VN070459.D

Acq: 4 Jan 2022 13:20

Instrument :

MSVOA_N

ClientSampleId :

MW-1RDL

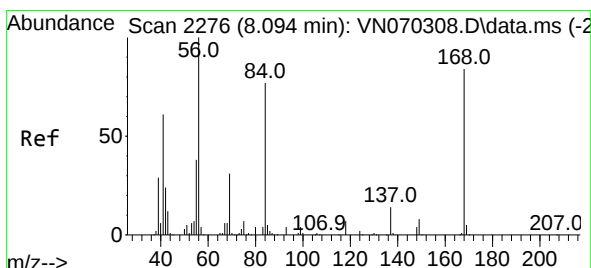
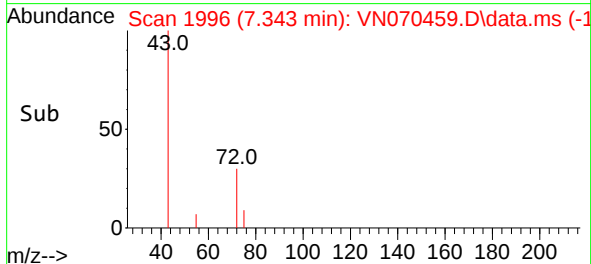
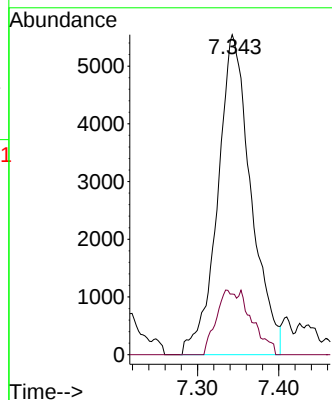
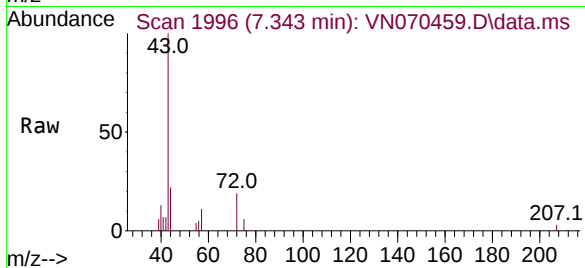
Tgt Ion: 43 Resp: 15798
 Ion Ratio Lower Upper
 43 100
 72 18.9 21.7 32.5

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#31

Cyclohexane

Concen: 2.994 ug/l

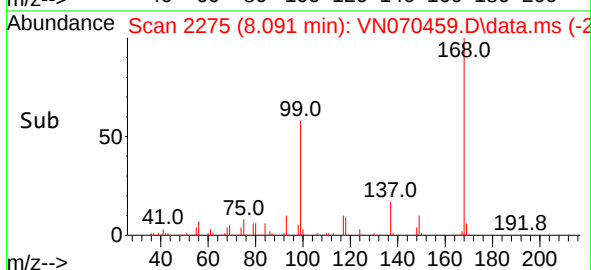
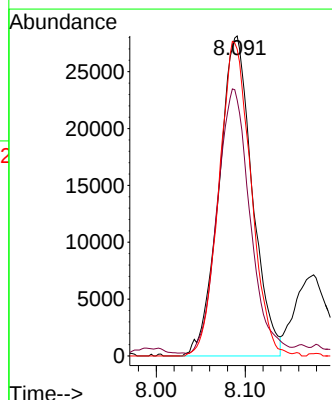
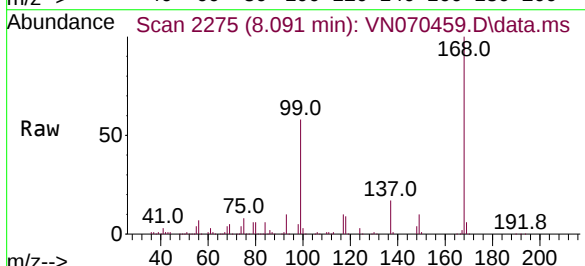
RT: 8.091 min Scan# 2275

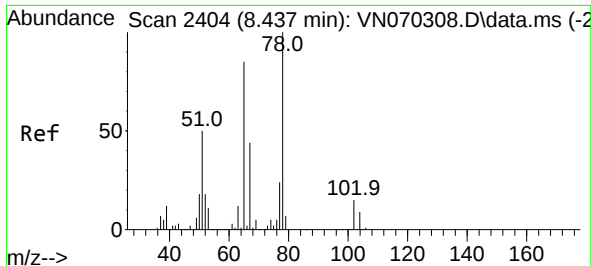
Delta R.T. -0.003 min

Lab File: VN070459.D

Acq: 4 Jan 2022 13:20

Tgt Ion: 56 Resp: 73166
 Ion Ratio Lower Upper
 56 100
 69 79.1 27.1 40.7#
 84 95.9 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 52.074 ug/l

RT: 8.434 min Scan# 2404

Delta R.T. -0.003 min

Lab File: VN070459.D

Acq: 4 Jan 2022 13:20

Instrument :

MSVOA_N

ClientSampleId :

MW-1RDL

Tgt Ion: 65 Resp: 80652

Ion Ratio Lower Upper

65 100

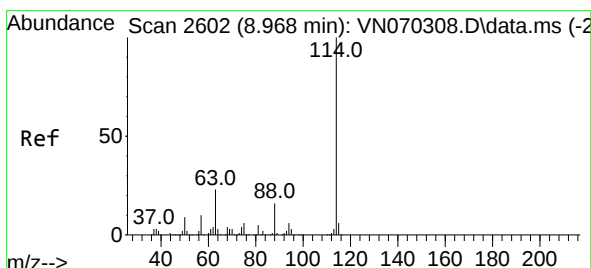
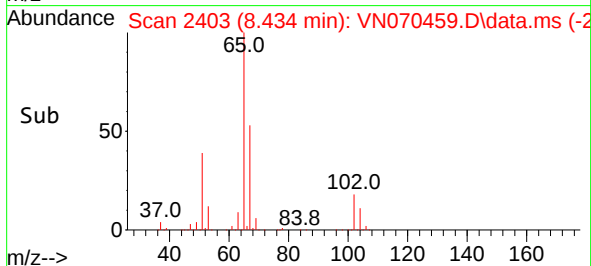
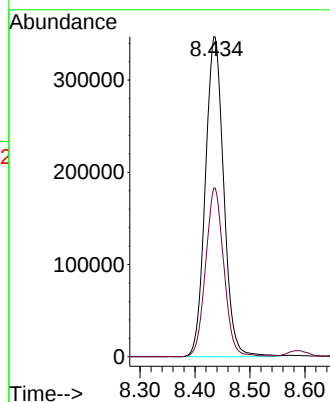
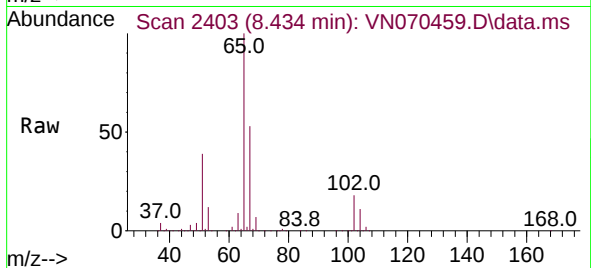
67 52.4 0.0 103.0

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Supervised By :Mahesh Dadoda 01/05/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070459.D

Acq: 4 Jan 2022 13:20

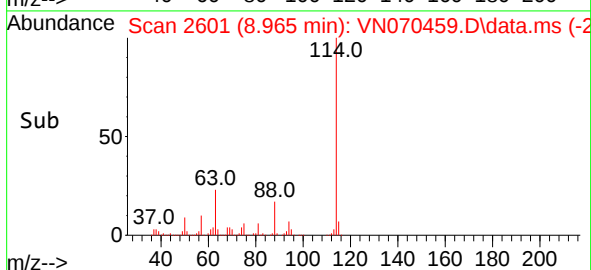
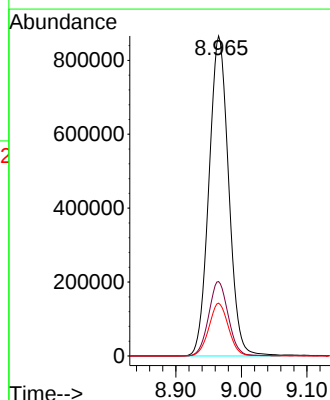
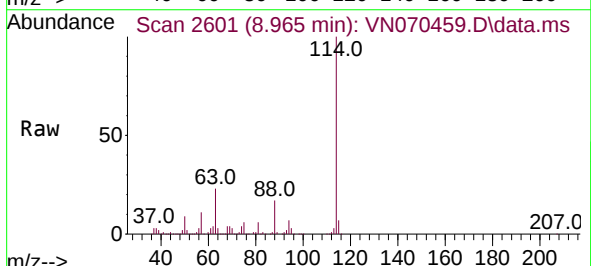
Tgt Ion:114 Resp: 1803757

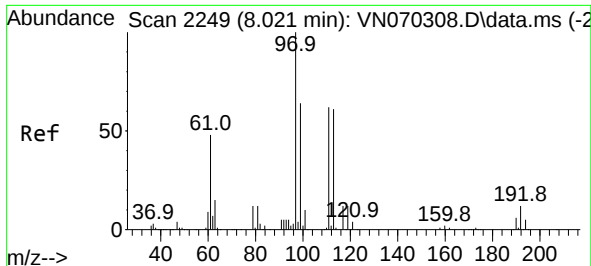
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

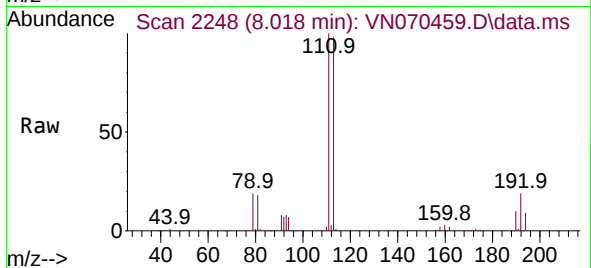
88 16.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 50.329 ug/l
RT: 8.018 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

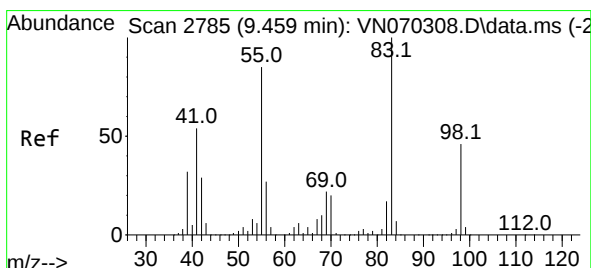
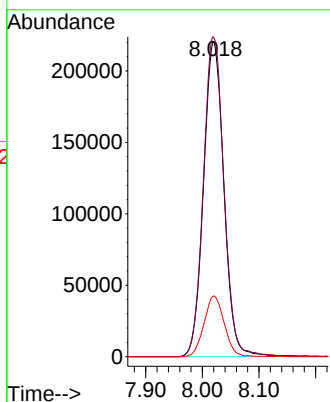
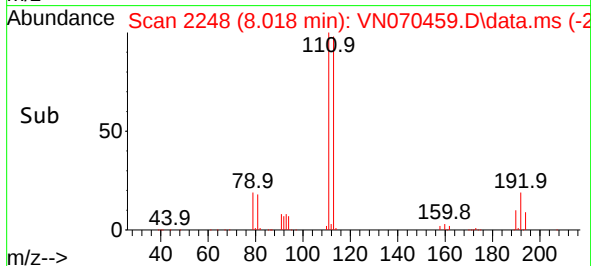
Instrument :
MSVOA_N
ClientSampleId :
MW-1RDL



Tgt Ion: 113 Resp: 54927
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.2 16.9 25.3

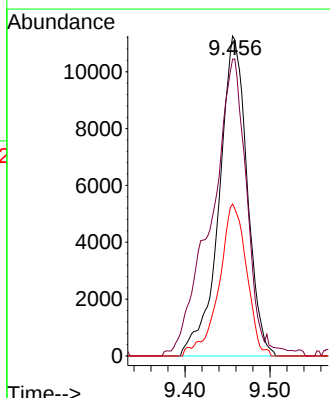
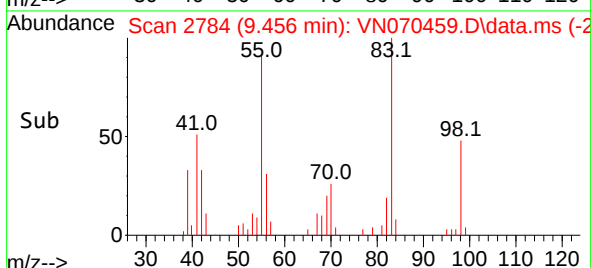
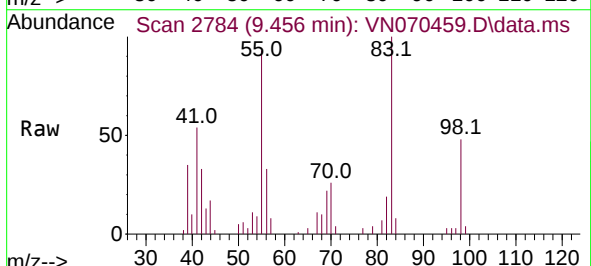
Manual Integrations
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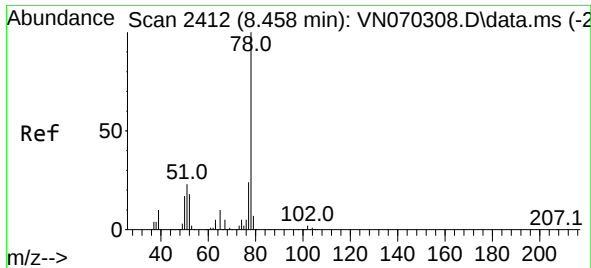
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022



#39
Methylcyclohexane
Concen: 1.183 ug/l
RT: 9.456 min Scan# 2784
Delta R.T. -0.003 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

Tgt Ion: 83 Resp: 25854
Ion Ratio Lower Upper
83 100
55 90.3 58.1 87.1#
98 47.5 38.4 57.6





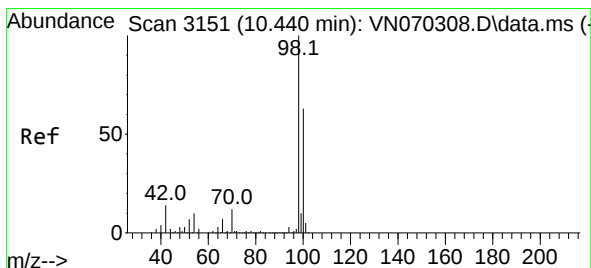
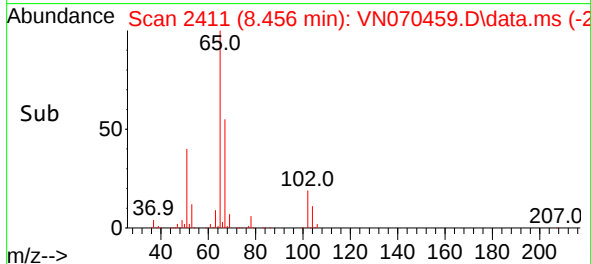
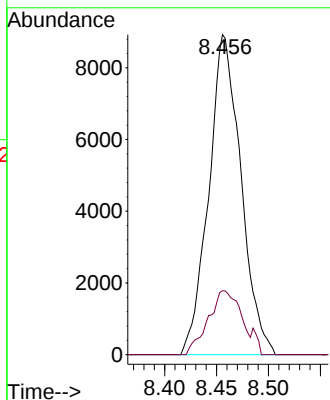
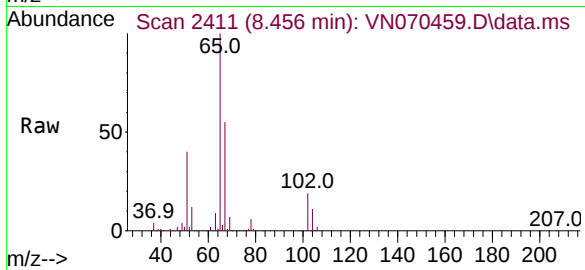
#40
Benzene
Concen: 0.347 ug/l
RT: 8.456 min Scan# 2412
Delta R.T. -0.002 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

Instrument :
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ClientSampleId :
MW-1RDL

Tgt Ion: 78 Resp: 19214
Ion Ratio Lower Upper
78 100
77 20.0 18.6 27.8

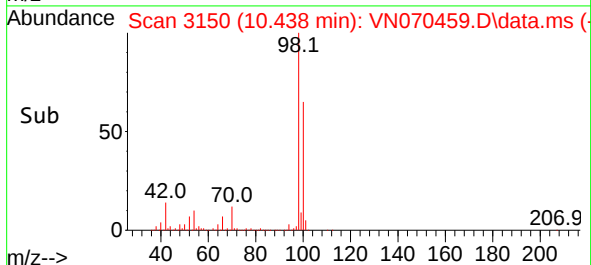
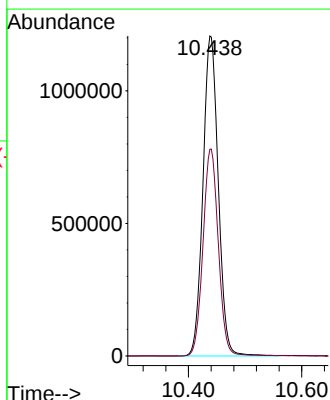
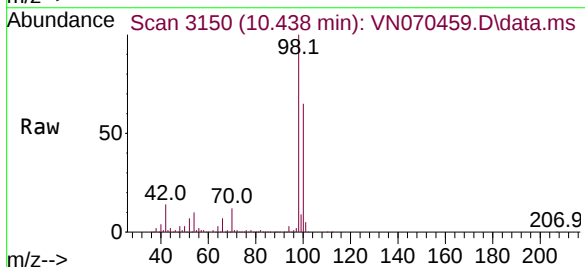
Manual Integrations
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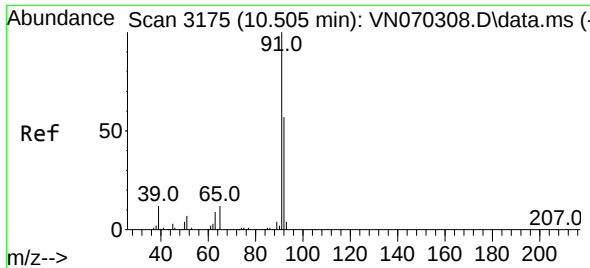
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022



#50
Toluene-d8
Concen: 50.800 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.002 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

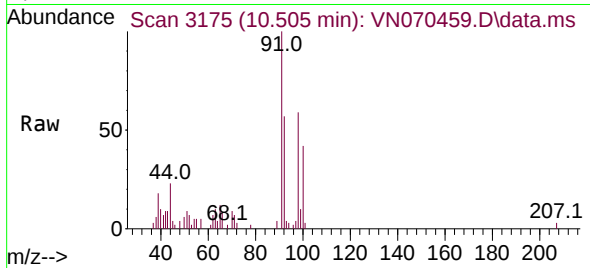
Tgt Ion: 98 Resp: 2264836
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6





#52
Toluene
Concen: 0.297 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

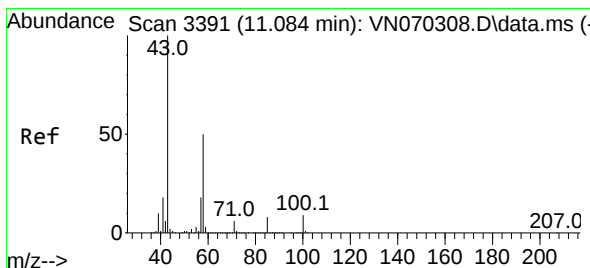
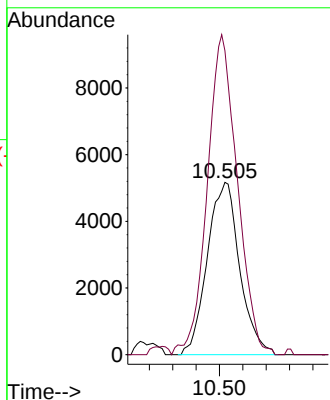
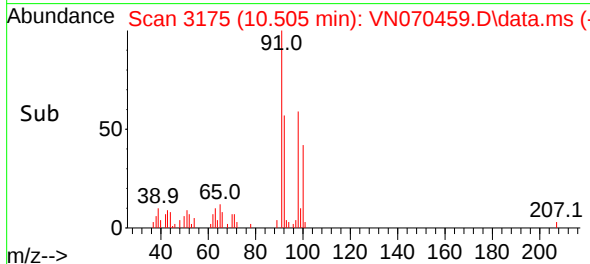
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MW-1RDL



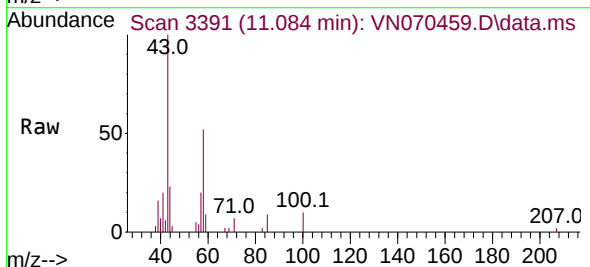
Tgt Ion: 92 Resp: 9945
Ion Ratio Lower Upper
92 100
91 172.7 142.0 213.0

Manual Integrations
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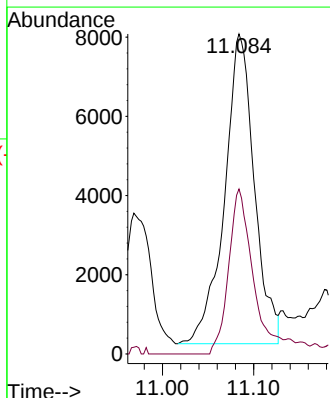
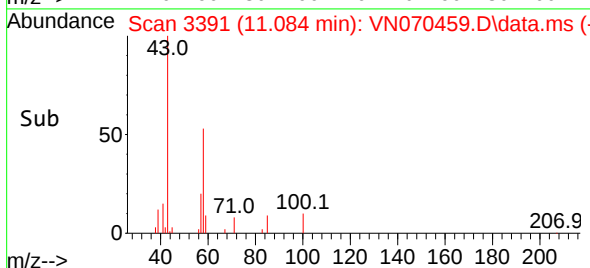
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022

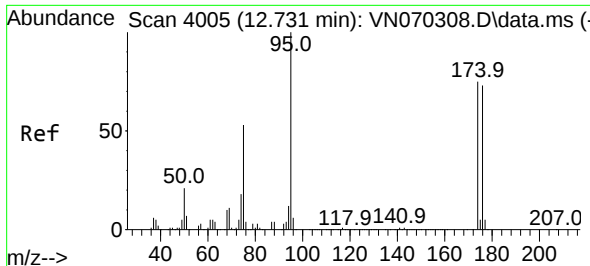


#59
2-Hexanone
Concen: 1.053 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. -0.000 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20



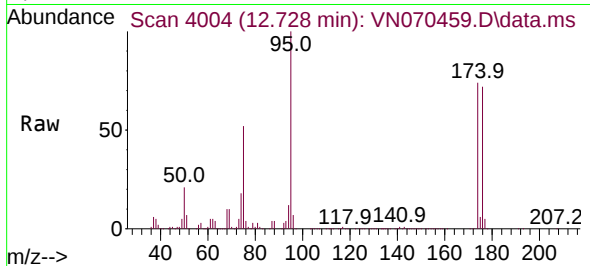
Tgt Ion: 43 Resp: 17800
Ion Ratio Lower Upper
43 100
58 43.5 26.9 80.7





#62
4-Bromofluorobenzene
Concen: 55.761 ug/l
RT: 12.728 min Scan# 4005
Delta R.T. -0.003 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

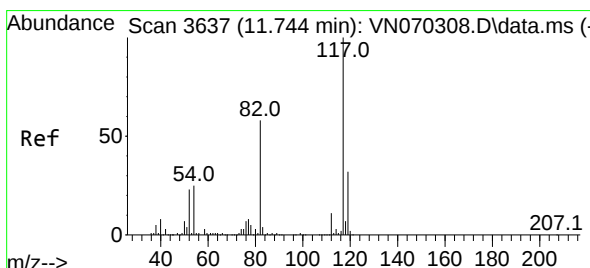
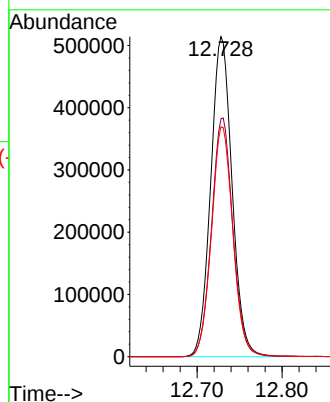
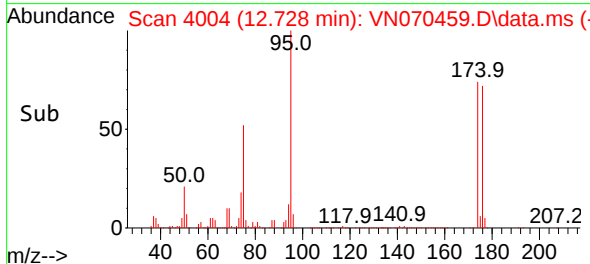
Instrument :
MSVOA_N
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Tgt Ion: 95 Resp: 897898
Ion Ratio Lower Upper
95 100
174 74.8 0.0 187.2
176 72.1 0.0 181.4

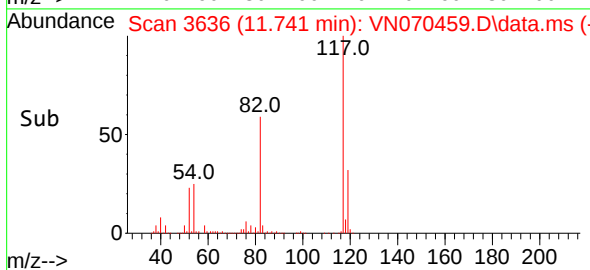
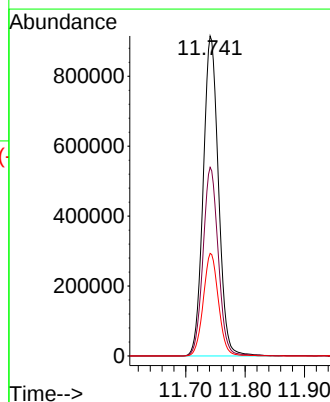
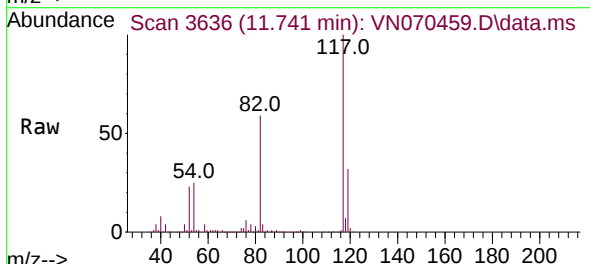
Manual Integrations
APPROVED

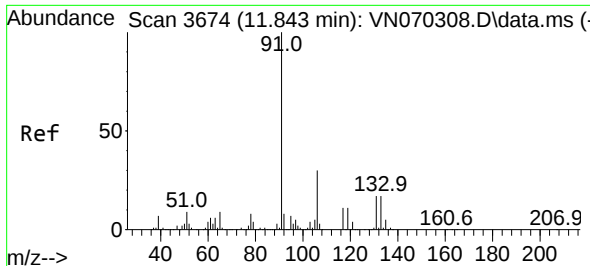
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. -0.003 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

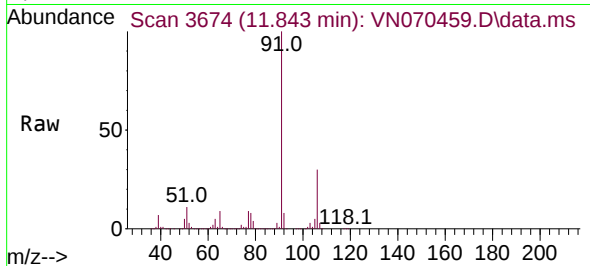
Tgt Ion:117 Resp: 1633800
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.1 25.4 38.2





#67
Ethyl Benzene
Concen: 41.407 ug/l
RT: 11.843 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

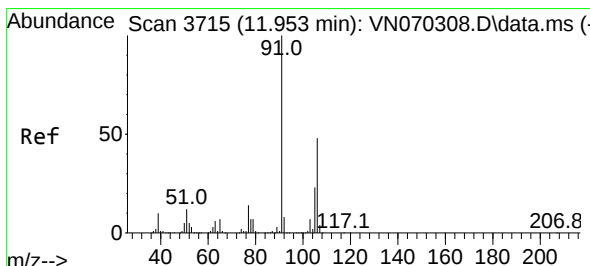
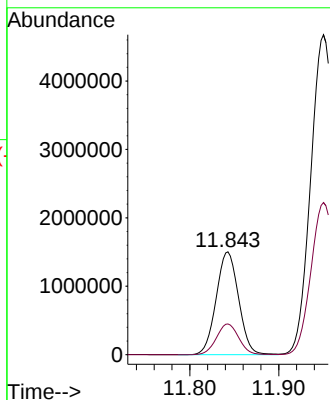
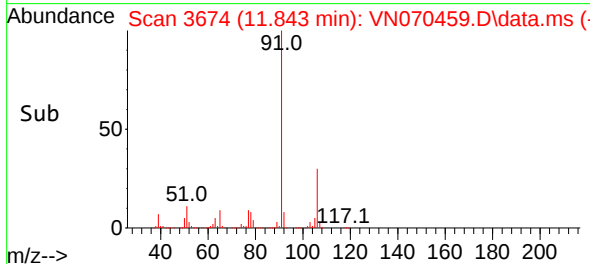
Instrument :
MSVOA_N
ClientSampleId :
MW-1RDL



Tgt Ion: 91 Resp: 262996
Ion Ratio Lower Upper
91 100
106 30.0 25.7 38.5

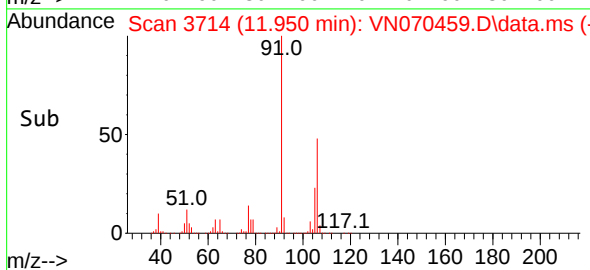
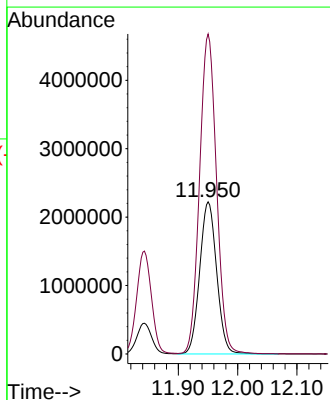
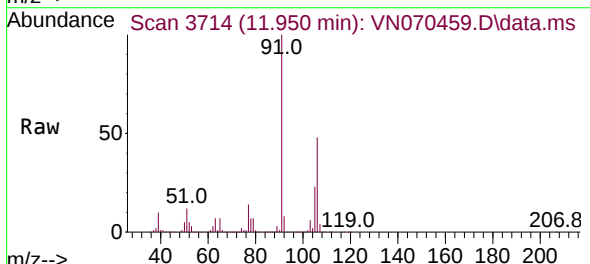
Manual Integrations
APPROVED

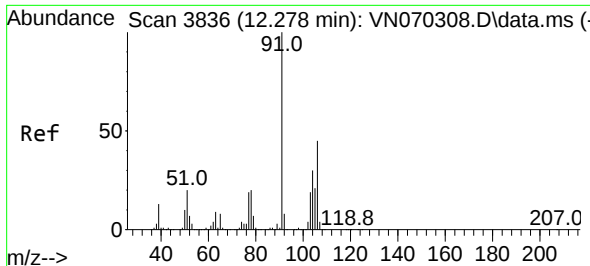
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022



#68
m/p-Xylenes
Concen: 190.241 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

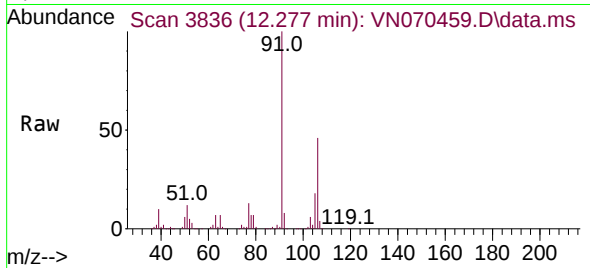
Tgt Ion:106 Resp: 4398371
Ion Ratio Lower Upper
106 100
91 210.9 160.6 240.8





#69
o-Xylene
Concen: 7.503 ug/l
RT: 12.277 min Scan# 3836
Delta R.T. -0.001 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

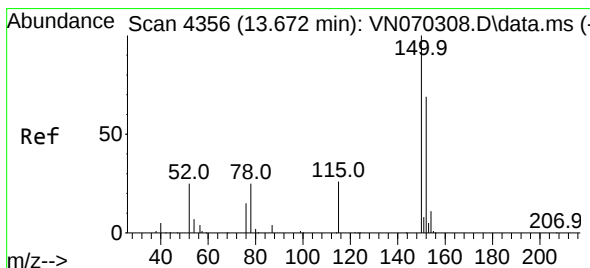
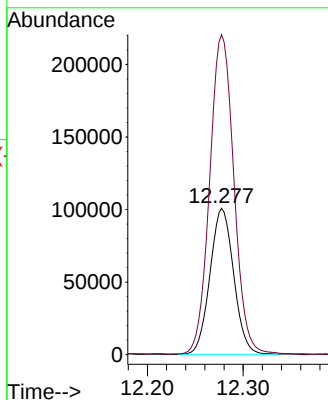
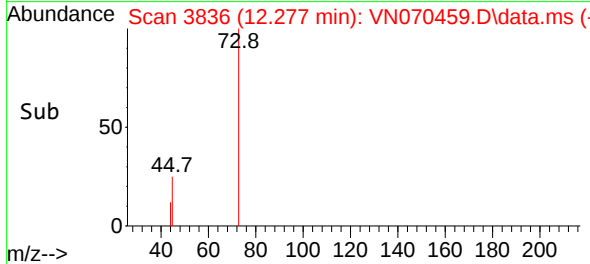
Instrument :
MSVOA_N
ClientSampleId :
MW-1RDL



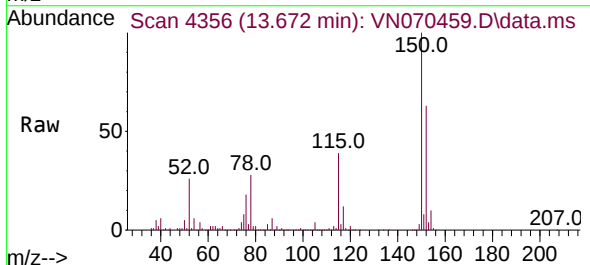
Tgt Ion:106 Resp: 172549
Ion Ratio Lower Upper
106 100
91 223.1 105.8 317.3

Manual Integrations
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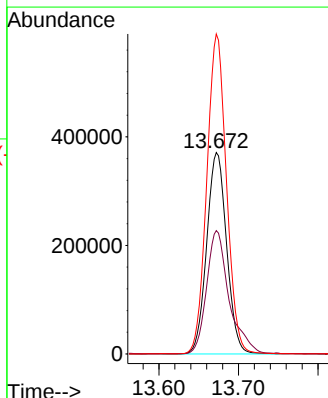
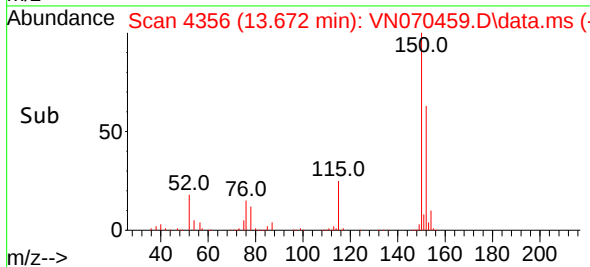
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022

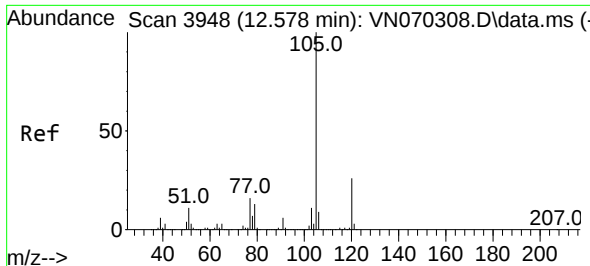


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20



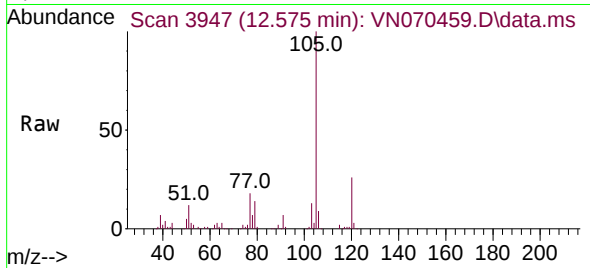
Tgt Ion:152 Resp: 646331
Ion Ratio Lower Upper
152 100
115 68.8 27.5 82.5
150 156.6 0.0 344.4





#73
Isopropylbenzene
Concen: 2.392 ug/l
RT: 12.575 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20

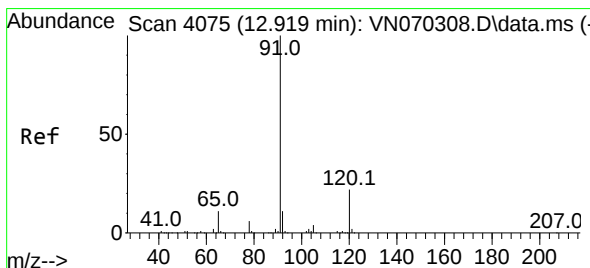
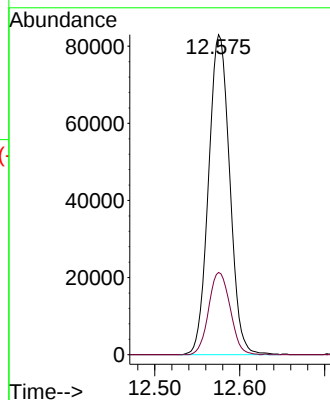
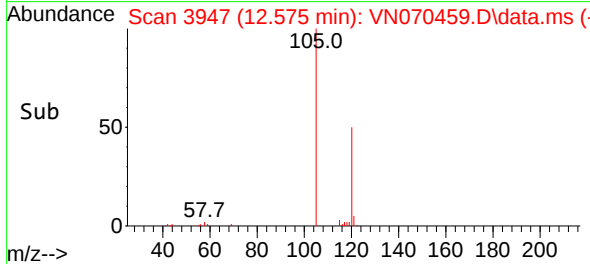
Instrument :
MSVOA_N
ClientSampleId :
MW-1RDL



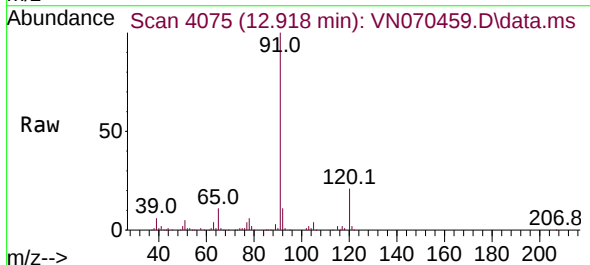
Tgt Ion:105 Resp: 143592
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1

Manual Integrations
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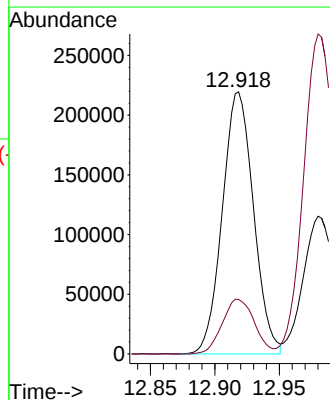
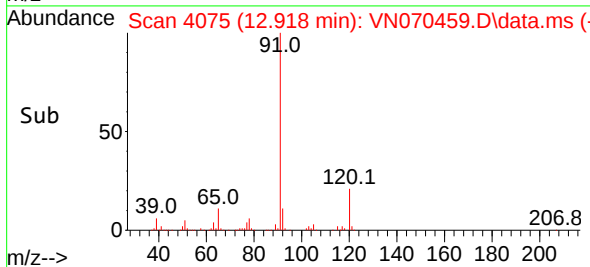
Reviewed By :John Carlone 01/05/2022
Supervised By :Mahesh Dadoda 01/05/2022

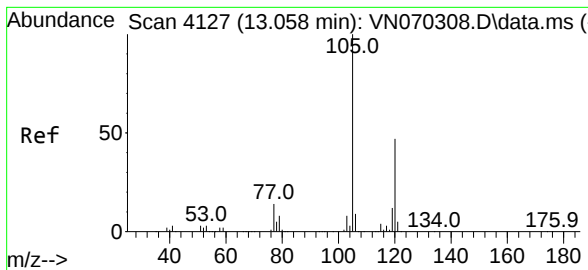


#78
n-propylbenzene
Concen: 5.557 ug/l
RT: 12.918 min Scan# 4075
Delta R.T. -0.001 min
Lab File: VN070459.D
Acq: 4 Jan 2022 13:20



Tgt Ion: 91 Resp: 369568
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9





#80

1,3,5-Trimethylbenzene

Concen: 14.613 ug/l

RT: 13.058 min Scan# 4127

Delta R.T. -0.000 min

Lab File: VN070459.D

Acq: 4 Jan 2022 13:20

Instrument :

MSVOA_N

ClientSampleId :

MW-1RDL

Tgt Ion:105 Resp: 70284

Ion Ratio Lower Upper

105 100

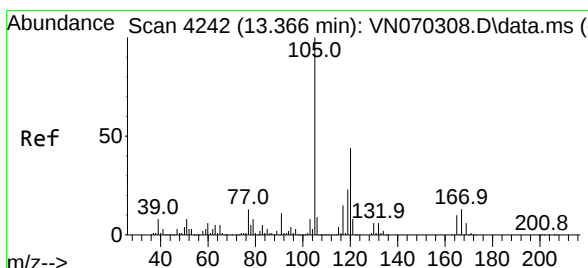
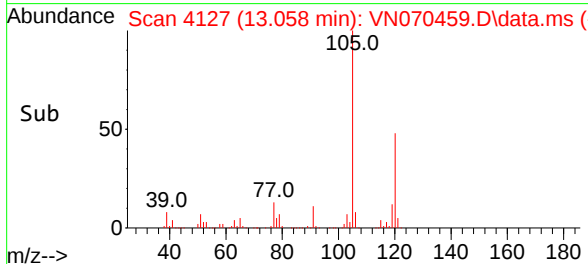
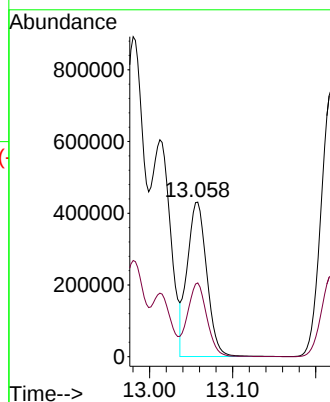
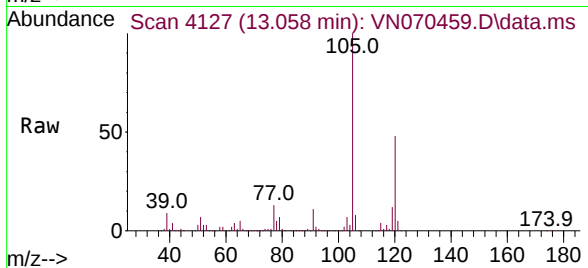
120 46.5 24.6 73.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/05/2022

Supervised By :Mahesh Dadoda 01/05/2022



#84

1,2,4-Trimethylbenzene

Concen: 79.345 ug/l

RT: 13.366 min Scan# 4242

Delta R.T. 0.000 min

Lab File: VN070459.D

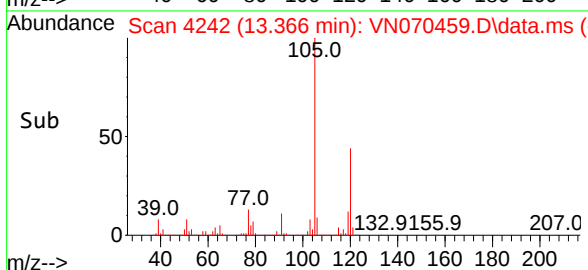
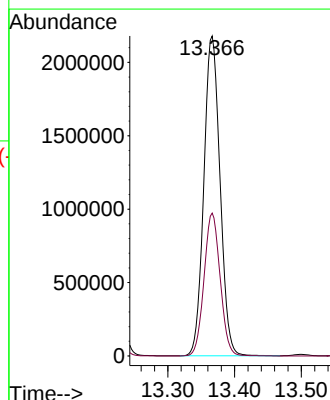
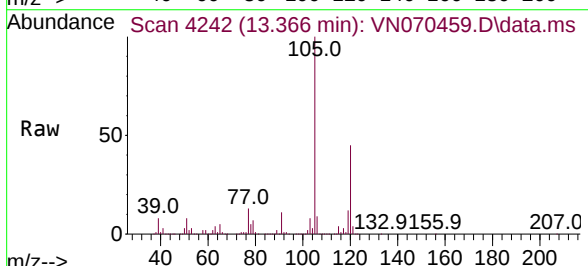
Acq: 4 Jan 2022 13:20

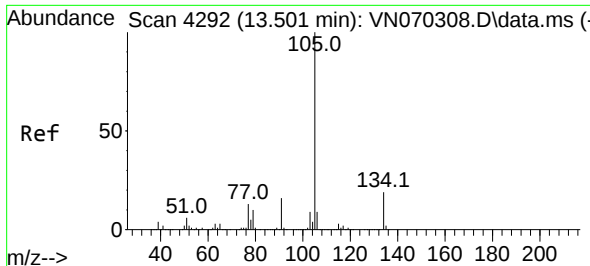
Tgt Ion:105 Resp: 3674880

Ion Ratio Lower Upper

105 100

120 44.3 22.8 68.4





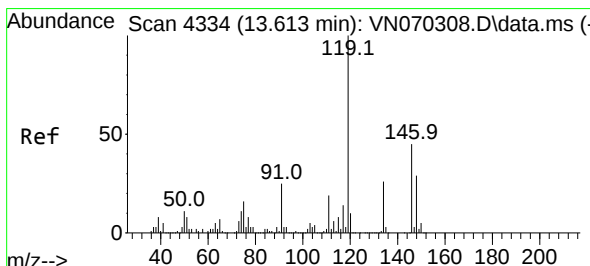
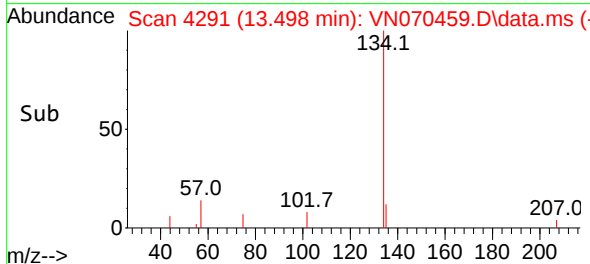
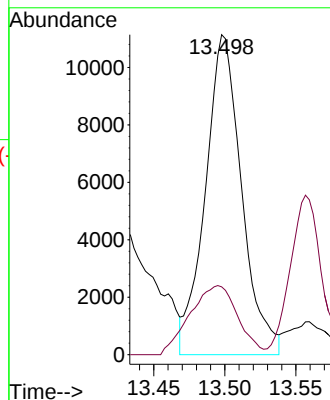
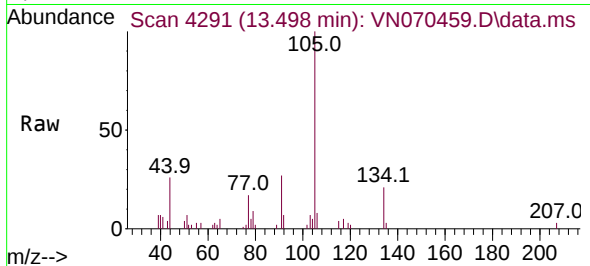
#85
 sec-Butylbenzene
 Concen: 0.344 ug/l m
 RT: 13.498 min Scan# 4291
 Delta R.T. -0.003 min
 Lab File: VN070459.D
 Acq: 4 Jan 2022 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1RDL

Tgt Ion:105 Resp: 1976
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#

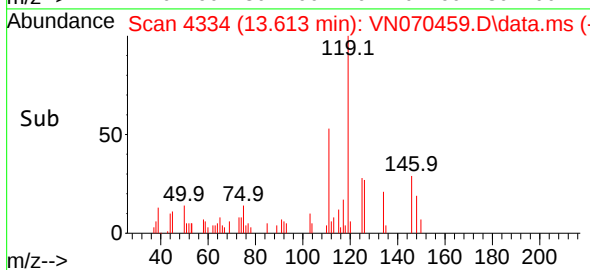
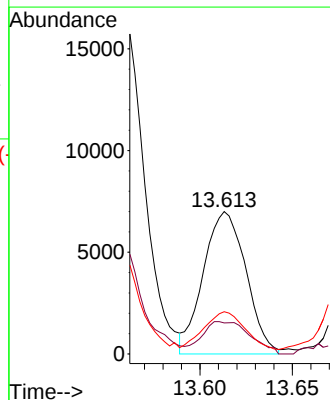
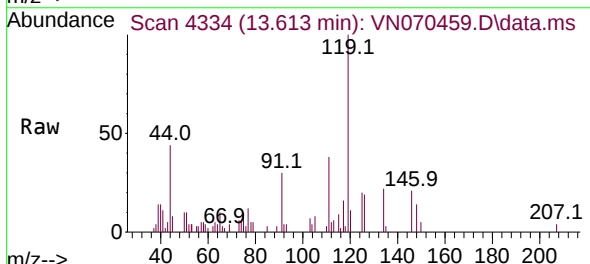
Manual Integrations
 APPROVED

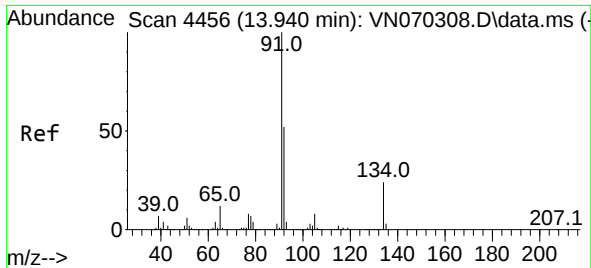
Reviewed By :John Carlone 01/05/2022
 Supervised By :Mahesh Dadoda 01/05/2022



#86
 p-Isopropyltoluene
 Concen: 0.249 ug/l m
 RT: 13.613 min Scan# 4334
 Delta R.T. 0.000 min
 Lab File: VN070459.D
 Acq: 4 Jan 2022 13:20

Tgt Ion:119 Resp: 11229
 Ion Ratio Lower Upper
 119 100
 134 78.1 13.6 40.7#
 91 0.0 11.4 34.1#





#89

n-Butylbenzene

Concen: 0.589 ug/l m

RT: 13.940 min Scan# 44

Delta R.T. 0.000 min

Lab File: VN070459.D

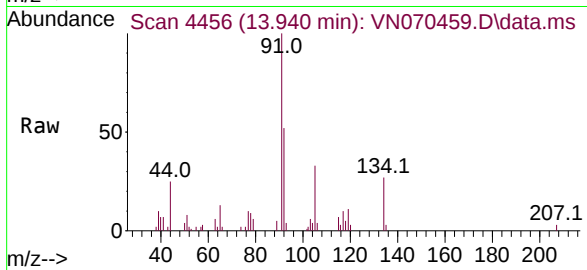
Acq: 4 Jan 2022 13:20

Instrument :

MSVOA_N

ClientSampleId :

MW-1RDL



Tgt Ion:	91	Resp:	22170
Ion	Ratio	Lower	Upper
91	100		
92	134.2	25.4	76.0
134	55.6	13.6	40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/05/2022

Supervised By :Mahesh Dadoda 01/05/2022

