

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075691.D
 Acq On : 10 Dec 2022 05:34
 Operator : JC\MD
 Sample : N5989-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10R

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022

Quant Time: Dec 12 04:26:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 03:01:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	205129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	340594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	305977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	114227	52.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.960%			
35) Dibromofluoromethane	8.171	113	103370	49.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.480%			
50) Toluene-d8	10.570	98	394800	50.590	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.180%			
62) 4-Bromofluorobenzene	12.853	95	133990	50.217	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.440%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	23365	72.566	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	30464	5.154	ug/l #	86
22) Diisopropyl ether	6.677	45	3214	0.645	ug/l #	90
31) Cyclohexane	8.265	56	3797m	1.178	ug/l	
39) Methylcyclohexane	9.606	83	4177	1.194	ug/l	95
40) Benzene	8.612	78	197972	23.379	ug/l	97
52) Toluene	10.629	92	2196	0.392	ug/l	90
67) Ethyl Benzene	11.965	91	17672	1.659	ug/l	96
68) m/p-Xylenes	12.082	106	3663	0.851	ug/l	98
69) o-Xylene	12.406	106	937	0.224	ug/l	100
73) Isopropylbenzene	12.700	105	26710	2.506	ug/l	98
78) n-propylbenzene	13.035	91	61841	5.229	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	5552	0.620	ug/l	96
85) sec-Butylbenzene	13.617	105	5642	0.508	ug/l #	71
89) n-Butylbenzene	14.053	91	4699	0.631	ug/l #	76
95) Naphthalene	15.647	128	27871	3.938	ug/l	99

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

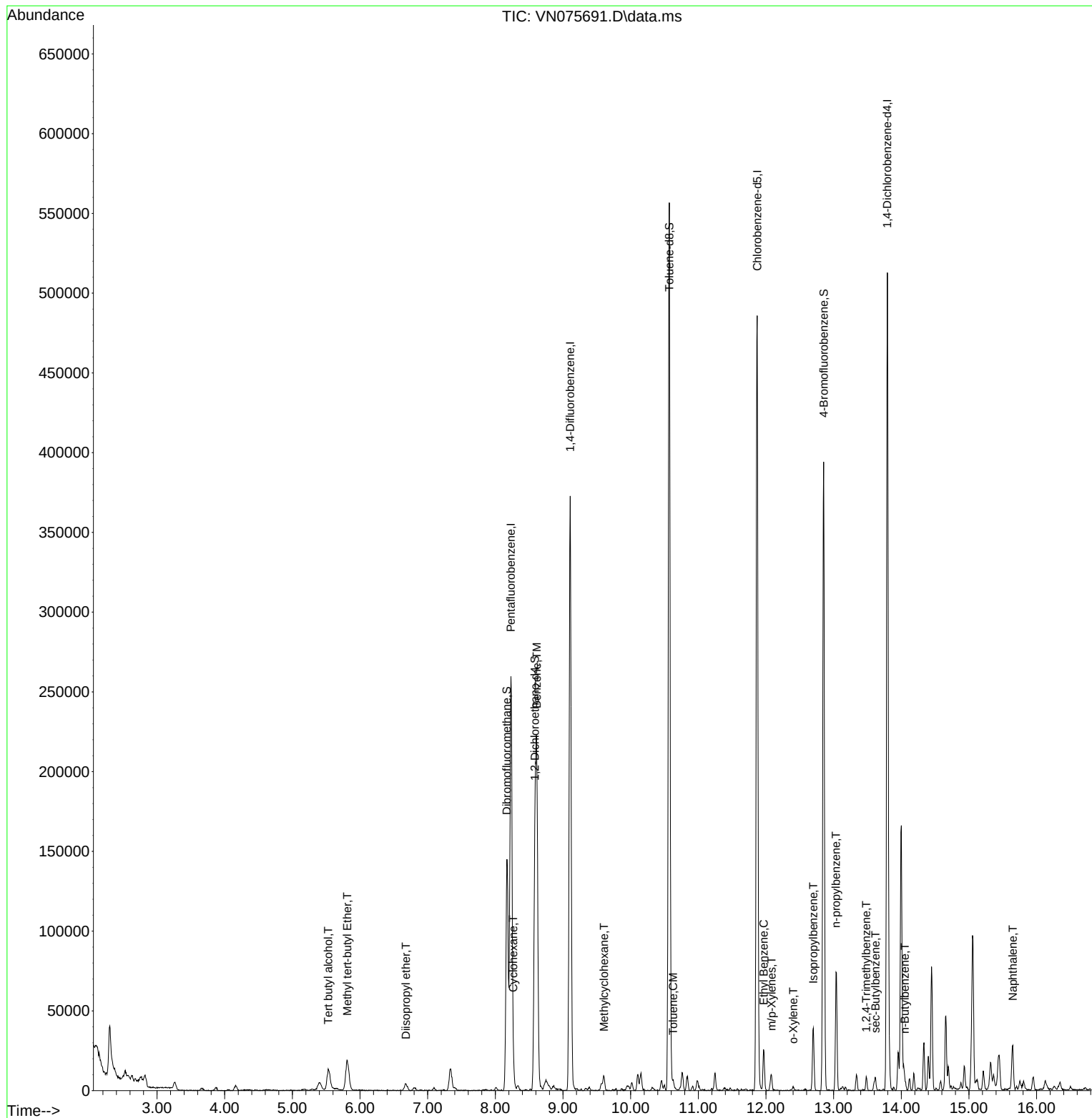
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
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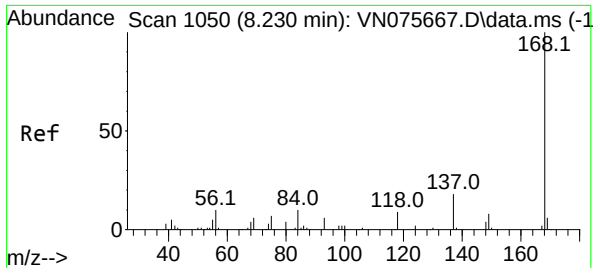
Instrument :
MSVOA_N
ClientSampleId :
MW-10R

Quant Time: Dec 12 04:26:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
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QLast Update : Mon Dec 12 03:01:58 2022
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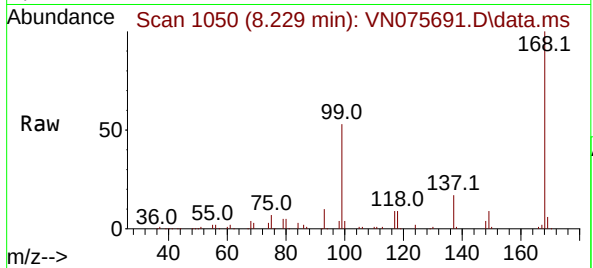
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

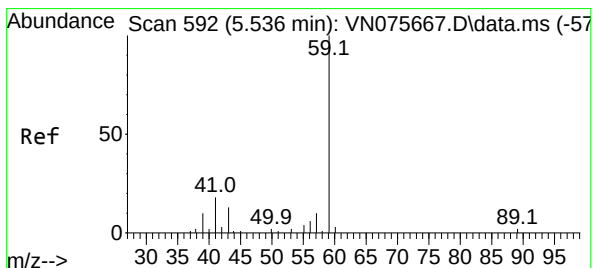
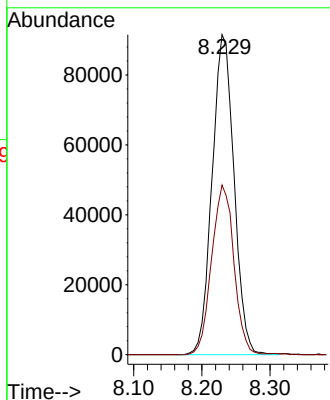
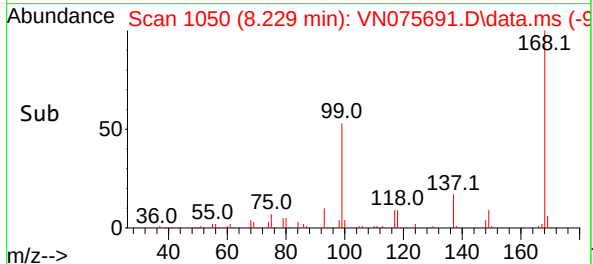
Instrument :
MSVOA_N
ClientSampleId :
MW-10R



Tgt Ion:168 Resp: 205129
Ion Ratio Lower Upper
168 100
99 53.0 41.2 61.8

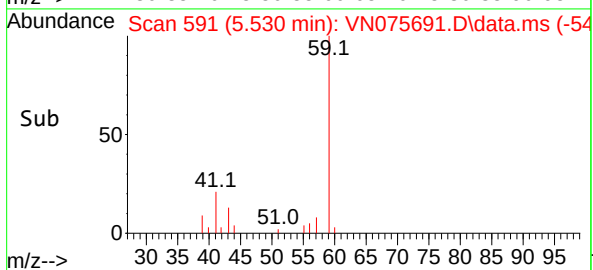
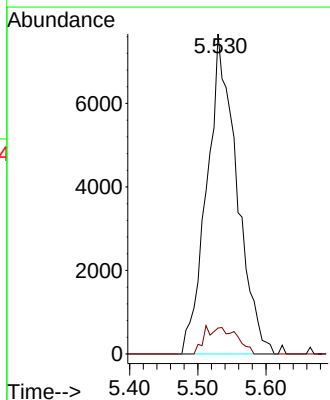
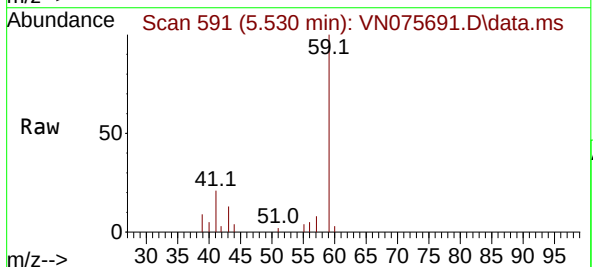
Manual Integrations
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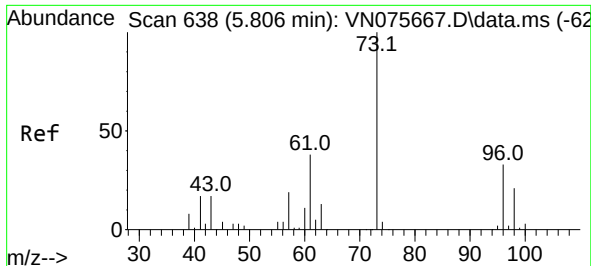
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#11
Tert butyl alcohol
Concen: 72.566 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

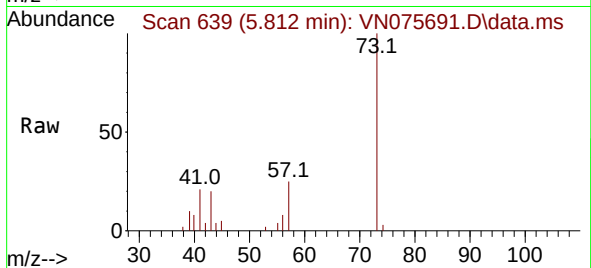
Tgt Ion: 59 Resp: 23365
Ion Ratio Lower Upper
59 100
57 8.9 8.2 12.4





#19
Methyl tert-butyl Ether
Concen: 5.154 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

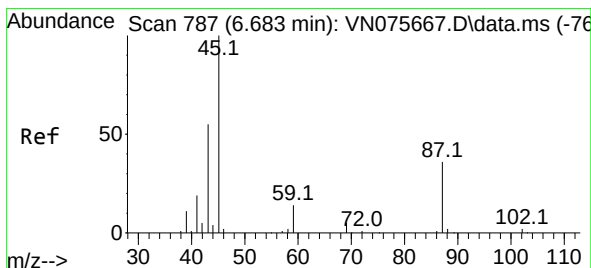
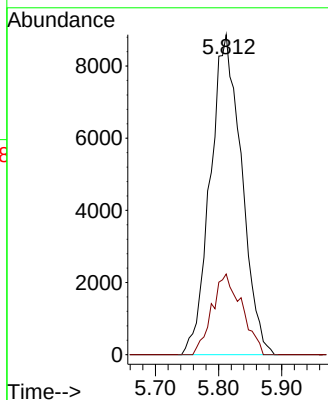
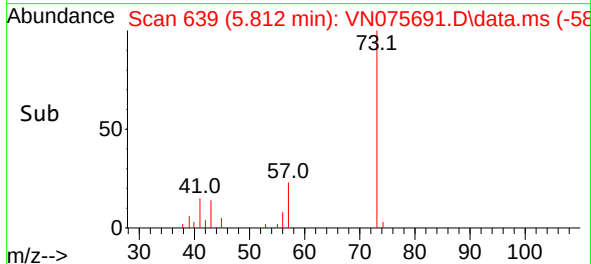
Instrument :
MSVOA_N
ClientSampleId :
MW-10R



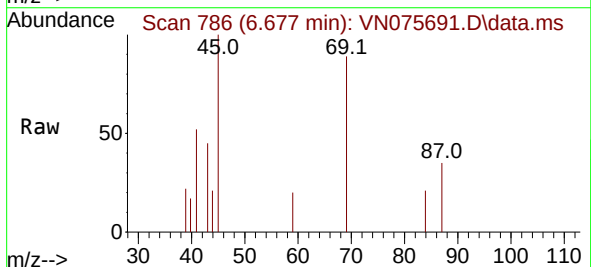
Tgt Ion: 73 Resp: 3046
Ion Ratio Lower Upper
73 100
57 25.2 15.1 22.7

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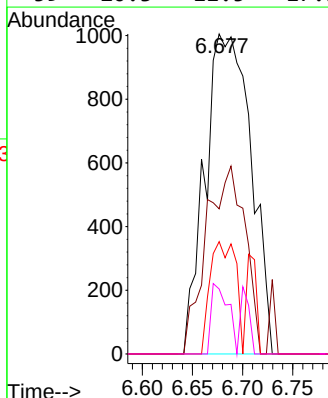
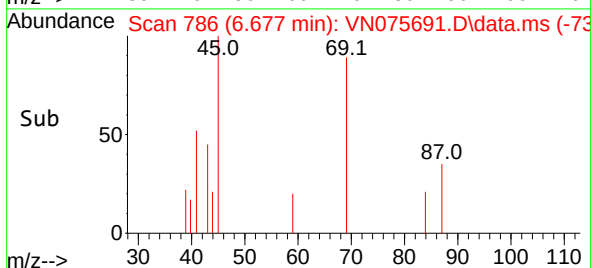
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

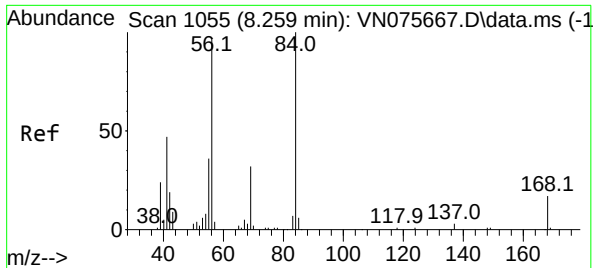


#22
Diisopropyl ether
Concen: 0.645 ug/l
RT: 6.677 min Scan# 786
Delta R.T. -0.006 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34



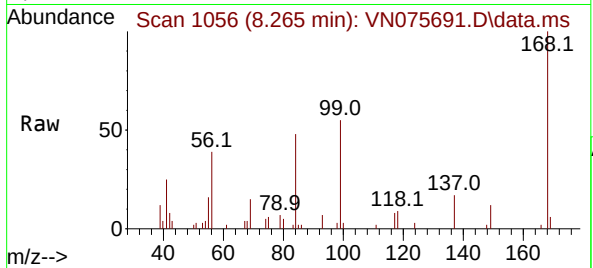
Tgt Ion: 45 Resp: 3214
Ion Ratio Lower Upper
45 100
43 45.4 44.9 67.3
87 35.1 28.8 43.2
59 20.3 11.5 17.3





#31
Cyclohexane
Concen: 1.178 ug/l m
RT: 8.265 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

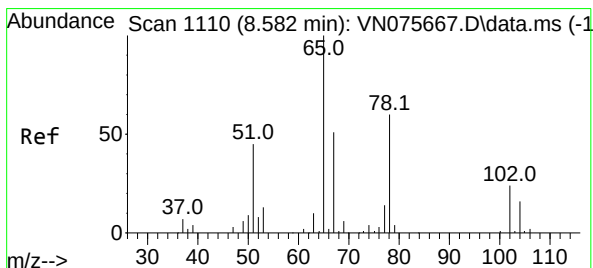
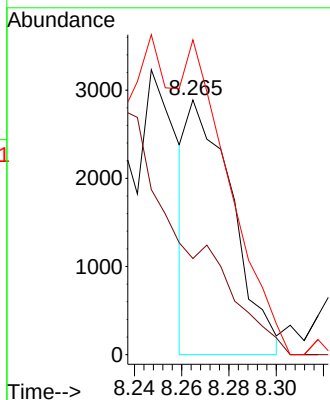
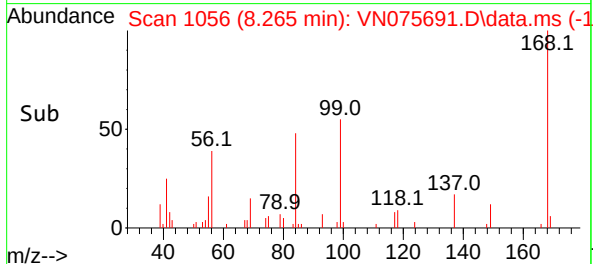
Instrument :
MSVOA_N
ClientSampleId :
MW-10R



Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
69 37.8 26.2 39.2
84 123.6 82.8 124.2

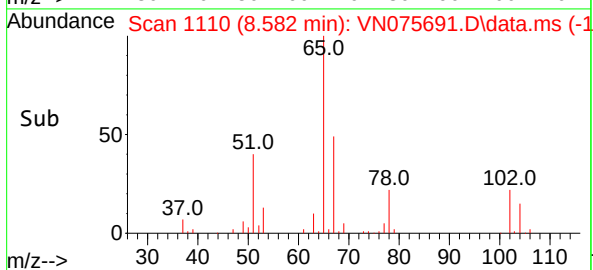
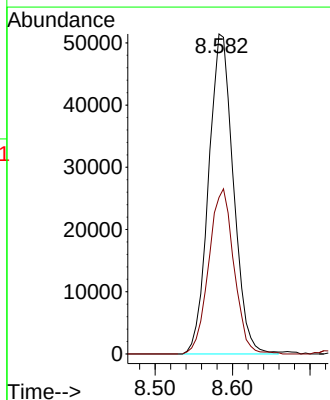
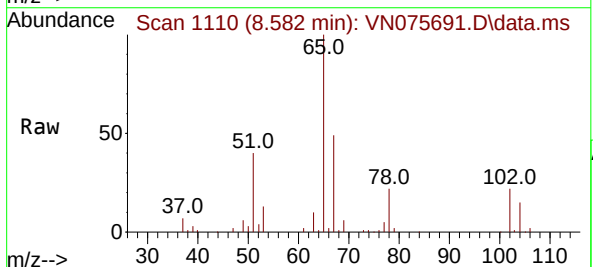
Manual Integrations
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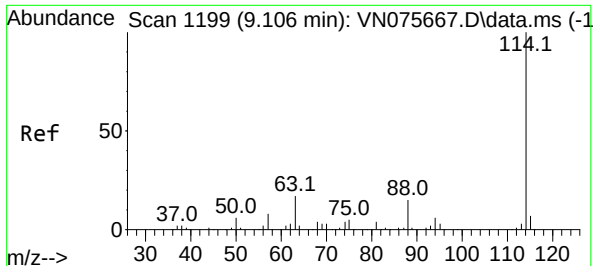
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#33
1,2-Dichloroethane-d4
Concen: 52.483 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

Tgt Ion: 65 Resp: 114227
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075691.D

Acq: 10 Dec 2022 05:34

Instrument :

MSVOA_N

ClientSampleId :

MW-10R

Tgt Ion:114 Resp: 340594

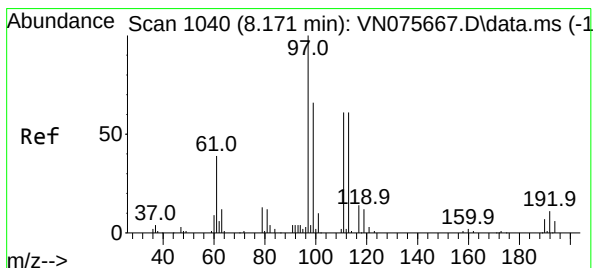
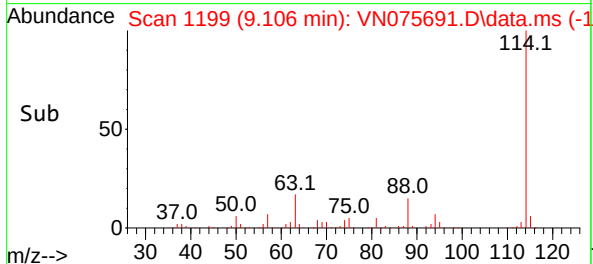
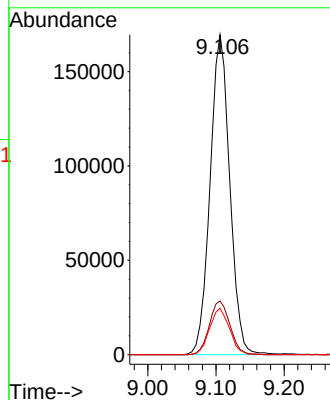
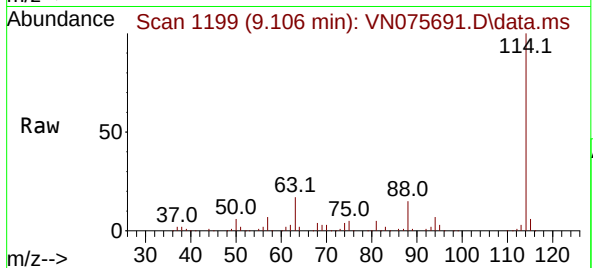
Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	34.4
88	14.5	0.0	29.2

Manual Integrations

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Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#35

Dibromofluoromethane

Concen: 49.745 ug/l

RT: 8.171 min Scan# 1040

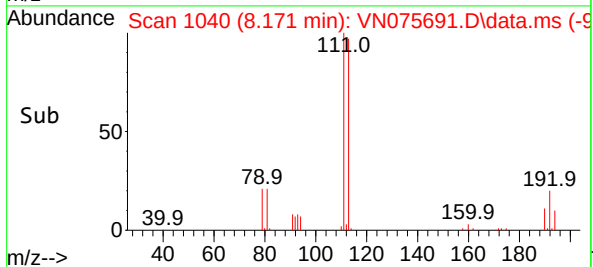
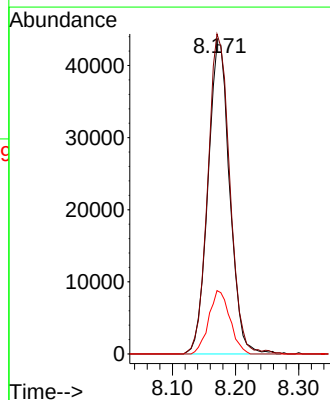
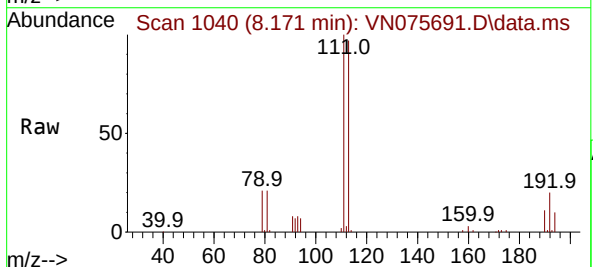
Delta R.T. -0.000 min

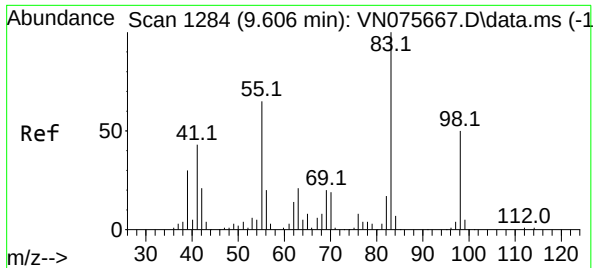
Lab File: VN075691.D

Acq: 10 Dec 2022 05:34

Tgt Ion:113 Resp: 103370

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.0	121.6
192	19.7	16.2	24.2





#39

Methylcyclohexane

Concen: 1.194 ug/l

RT: 9.606 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN075691.D

Acq: 10 Dec 2022 05:34

Instrument :

MSVOA_N

ClientSampleId :

MW-10R

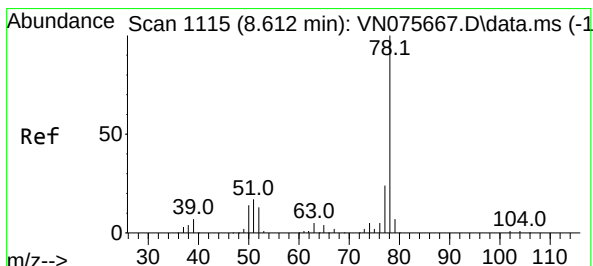
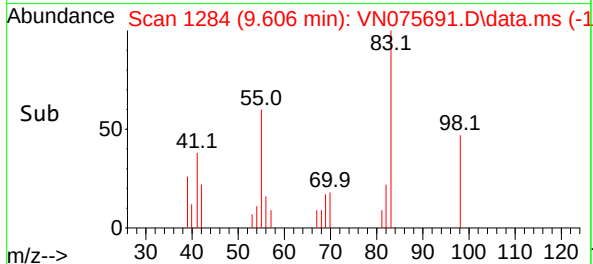
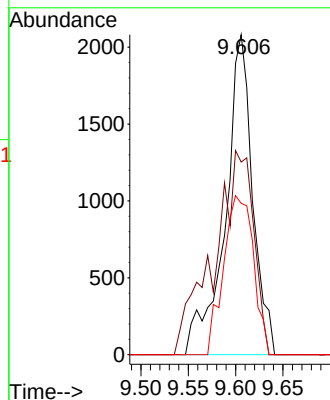
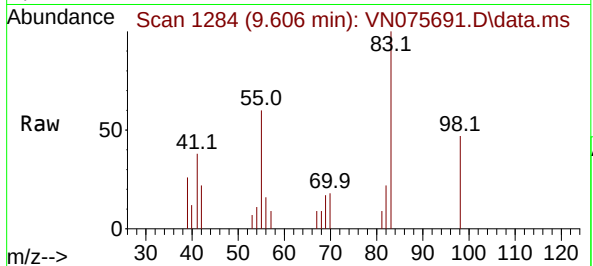
Tgt Ion: 83	Resp: 417
Ion Ratio	Lower Upper
83 100	
55 60.2	51.6 77.4
98 47.3	39.8 59.8

Manual Integrations

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Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#40

Benzene

Concen: 23.379 ug/l

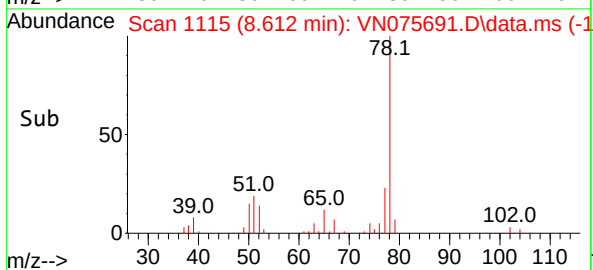
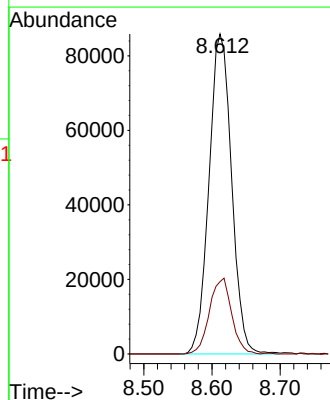
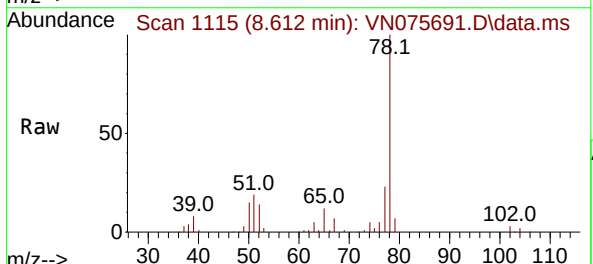
RT: 8.612 min Scan# 1115

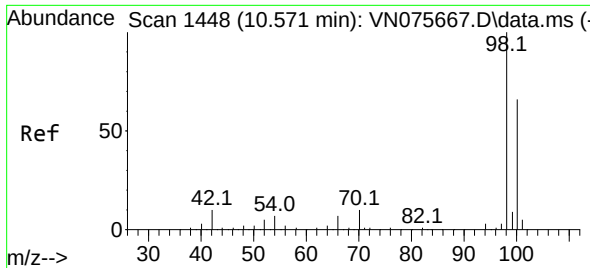
Delta R.T. -0.000 min

Lab File: VN075691.D

Acq: 10 Dec 2022 05:34

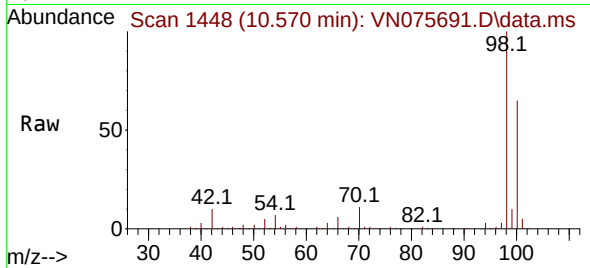
Tgt Ion: 78	Resp: 197972
Ion Ratio	Lower Upper
78 100	
77 22.6	19.1 28.7





#50
Toluene-d8
Concen: 50.590 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

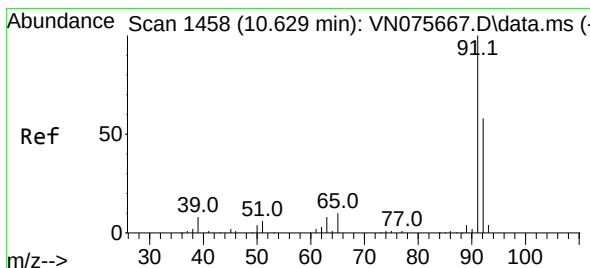
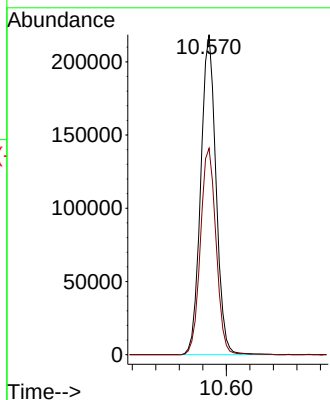
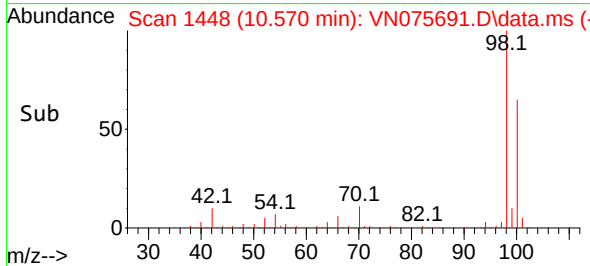
Instrument :
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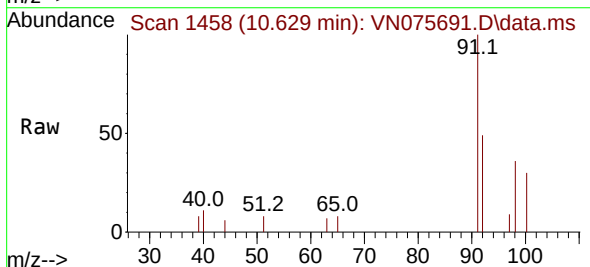
Tgt Ion: 98 Resp: 394800
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8

Manual Integrations
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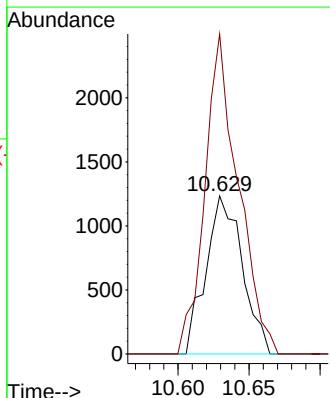
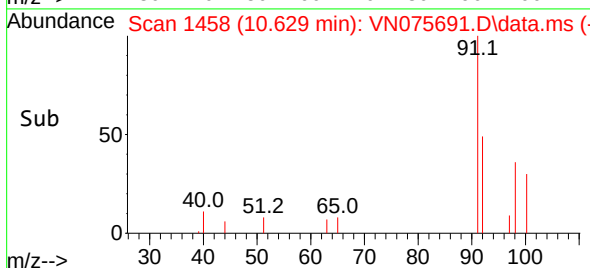
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

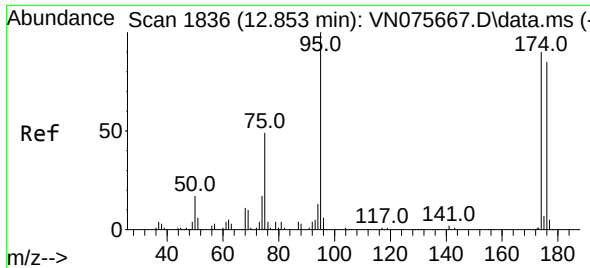


#52
Toluene
Concen: 0.392 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34



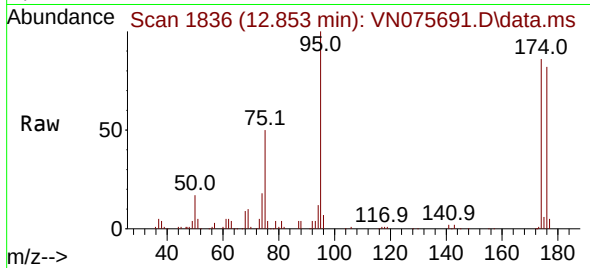
Tgt Ion: 92 Resp: 2196
Ion Ratio Lower Upper
92 100
91 186.0 137.9 206.9





#62
4-Bromofluorobenzene
Concen: 50.217 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

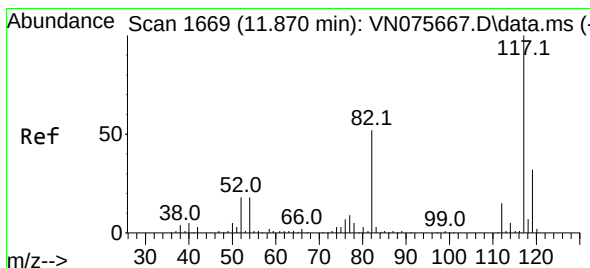
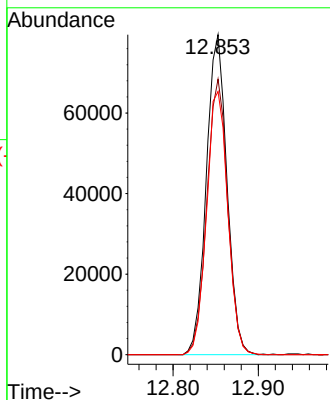
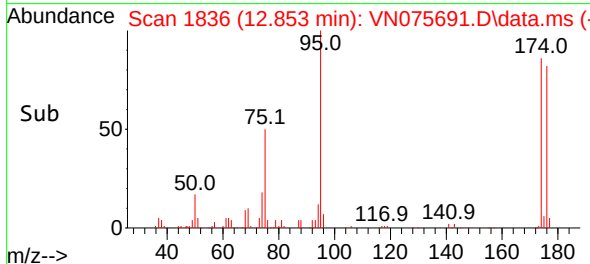
Instrument :
MSVOA_N
ClientSampleId :
MW-10R



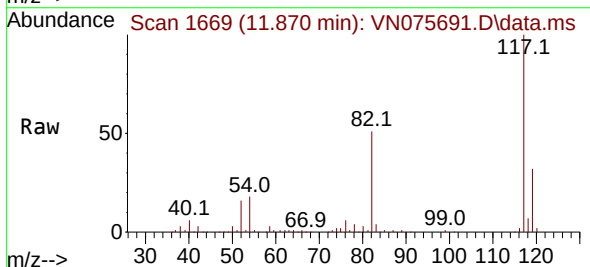
Tgt Ion: 95 Resp: 133990
Ion Ratio Lower Upper
95 100
174 86.9 0.0 178.6
176 84.5 0.0 170.8

Manual Integrations
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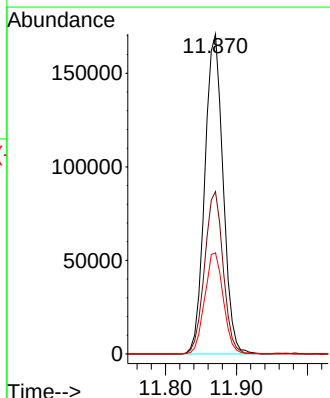
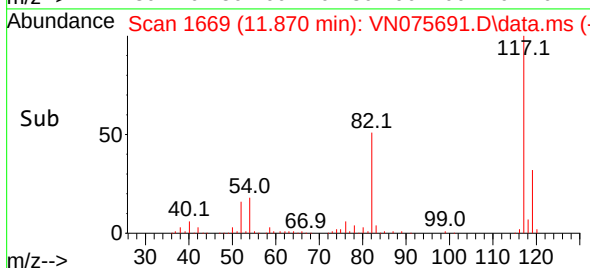
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

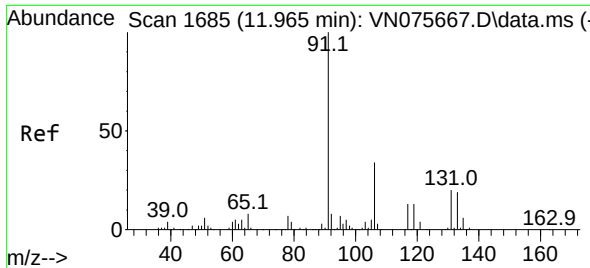


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34



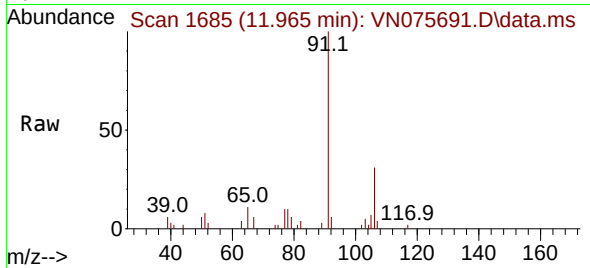
Tgt Ion:117 Resp: 305977
Ion Ratio Lower Upper
117 100
82 50.7 41.8 62.8
119 31.6 25.8 38.6





#67
Ethyl Benzene
Concen: 1.659 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

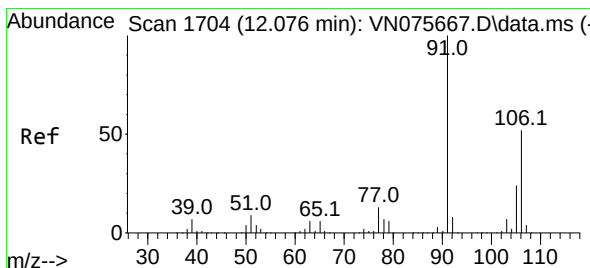
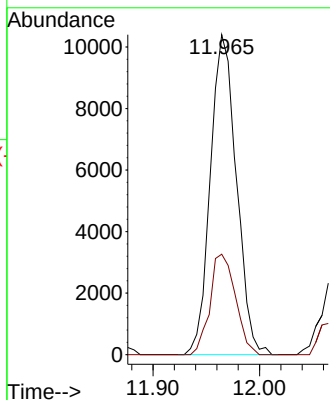
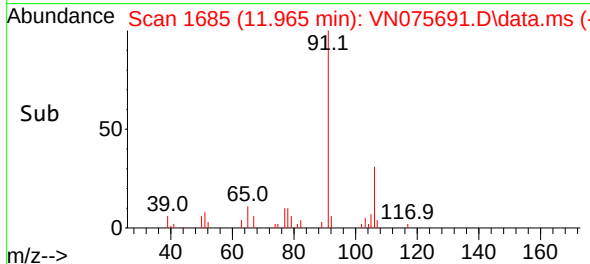
Instrument :
MSVOA_N
ClientSampleId :
MW-10R



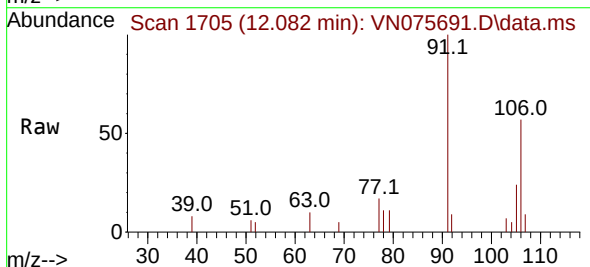
Tgt Ion: 91 Resp: 17672
Ion Ratio Lower Upper
91 100
106 31.4 26.9 40.3

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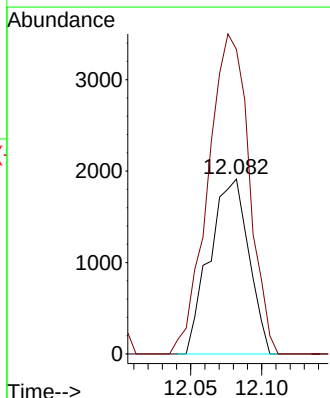
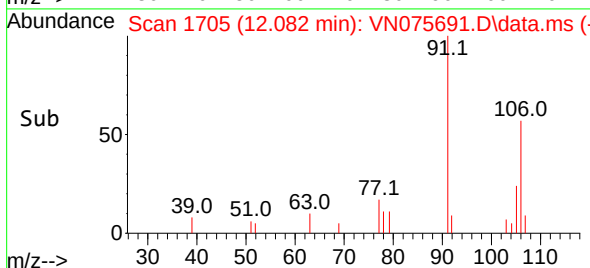
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

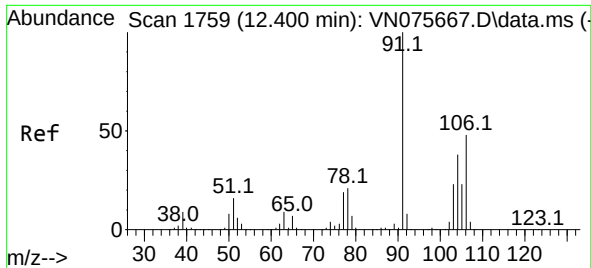


#68
m/p-Xylenes
Concen: 0.851 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34



Tgt Ion:106 Resp: 3663
Ion Ratio Lower Upper
106 100
91 192.4 156.2 234.4





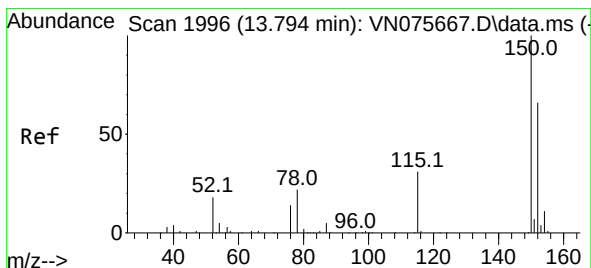
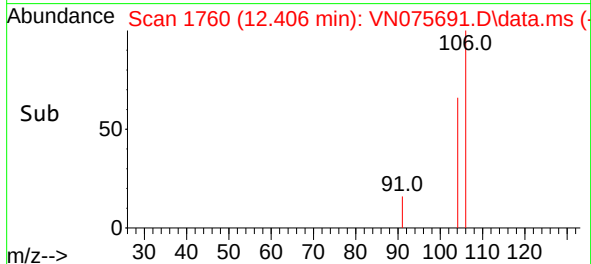
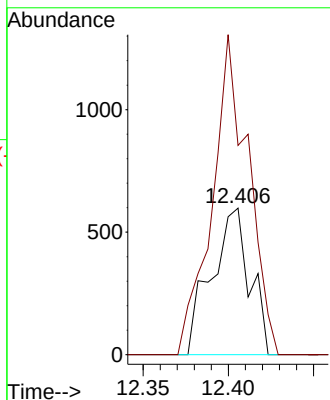
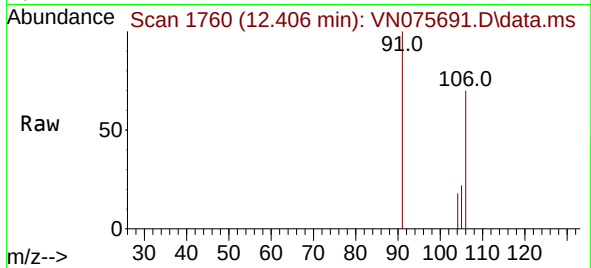
#69
o-Xylene
Concen: 0.224 ug/l
RT: 12.406 min Scan# 1759
Delta R.T. 0.006 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

Instrument :
MSVOA_N
ClientSampleId :
MW-10R

Tgt Ion:106 Resp: 931
Ion Ratio Lower Upper
106 100
91 206.0 102.8 308.5

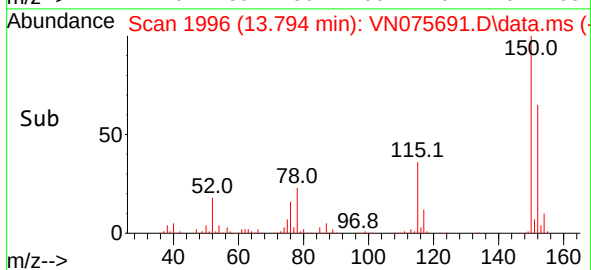
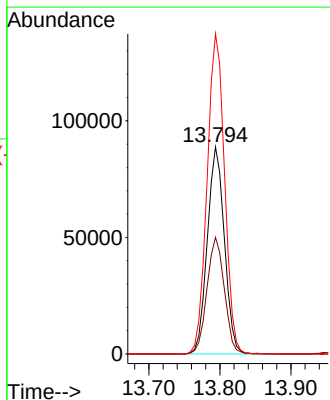
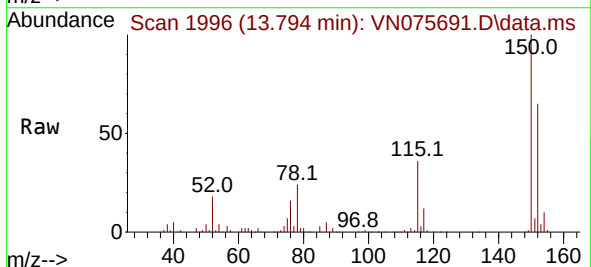
Manual Integrations
APPROVED

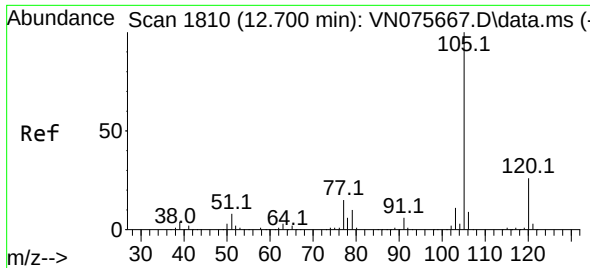
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

Tgt Ion:152 Resp: 148440
Ion Ratio Lower Upper
152 100
115 57.2 28.4 85.2
150 157.8 0.0 347.6





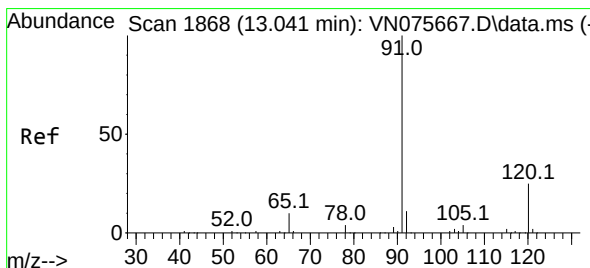
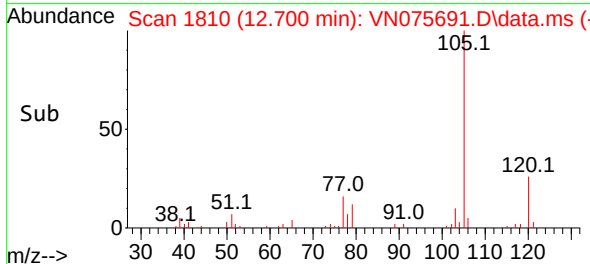
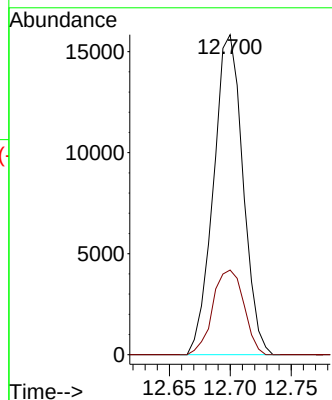
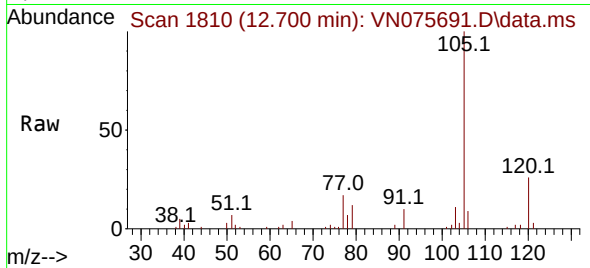
#73
Isopropylbenzene
Concen: 2.506 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

Instrument :
MSVOA_N
ClientSampleId :
MW-10R

Tgt Ion:105 Resp: 26710
Ion Ratio Lower Upper
105 100
120 27.8 13.4 40.2

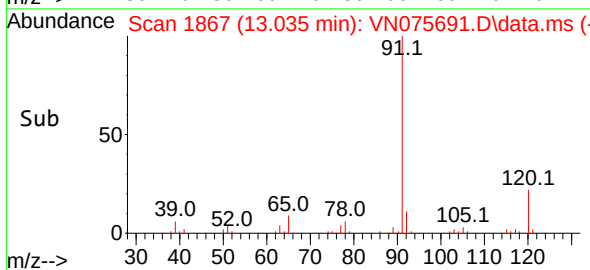
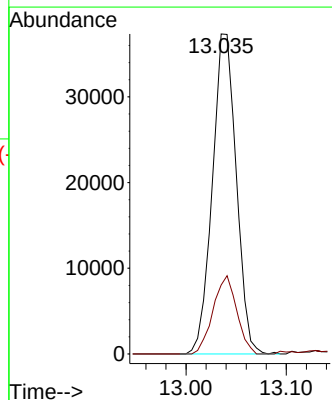
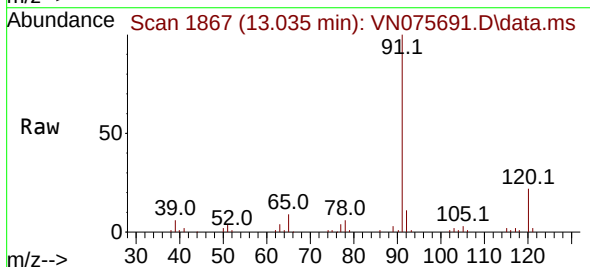
Manual Integrations
APPROVED

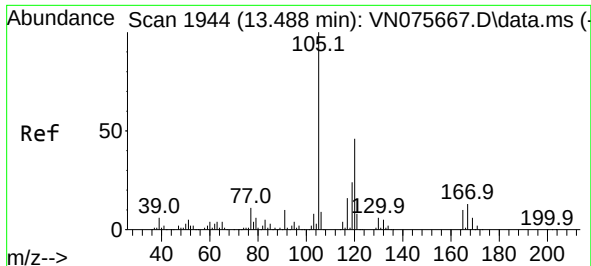
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#78
n-propylbenzene
Concen: 5.229 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

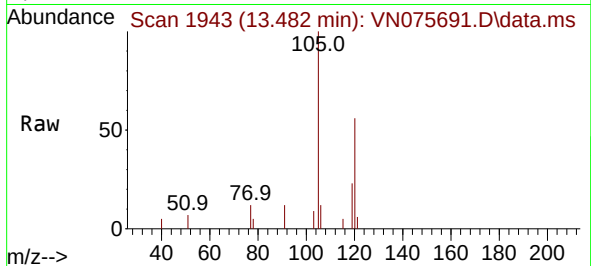
Tgt Ion: 91 Resp: 61841
Ion Ratio Lower Upper
91 100
120 24.1 12.1 36.3





#84
1,2,4-Trimethylbenzene
Concen: 0.620 ug/l
RT: 13.482 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

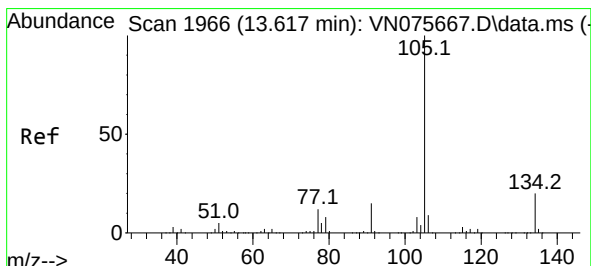
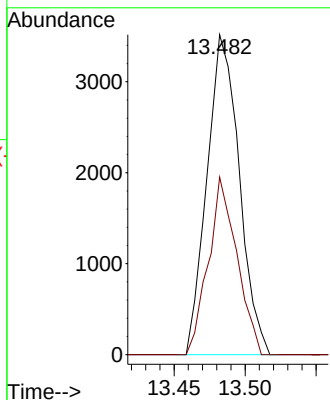
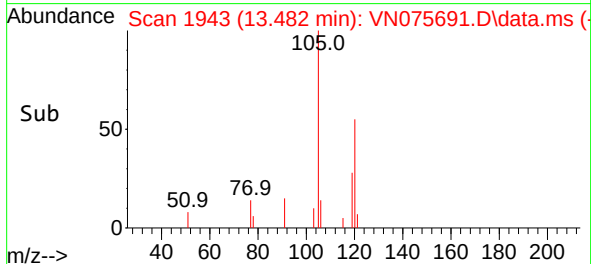
Instrument :
MSVOA_N
ClientSampleId :
MW-10R



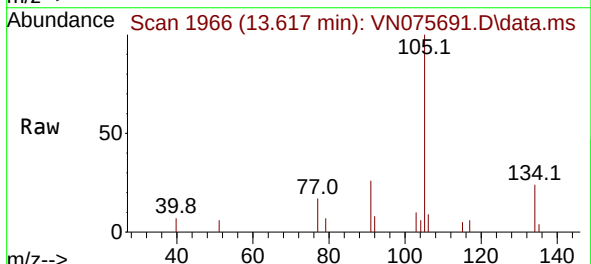
Tgt Ion:105 Resp: 5552
Ion Ratio Lower Upper
105 100
120 49.1 23.1 69.2

Manual Integrations
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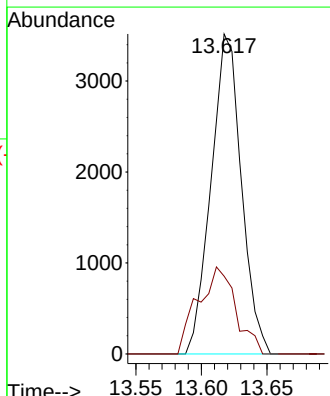
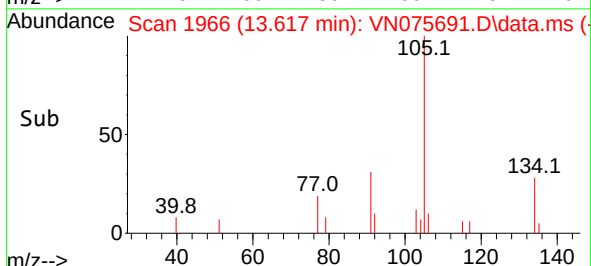
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

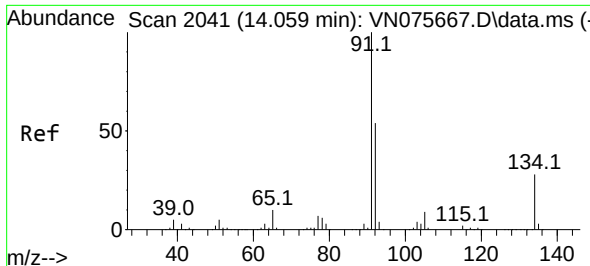


#85
sec-Butylbenzene
Concen: 0.508 ug/l
RT: 13.617 min Scan# 1966
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34



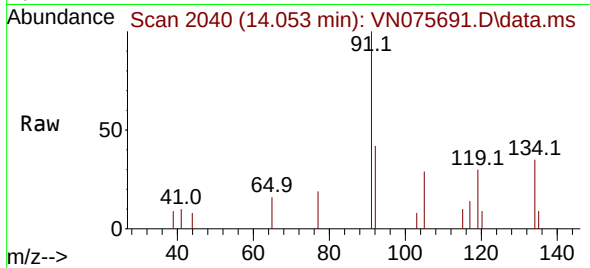
Tgt Ion:105 Resp: 5642
Ion Ratio Lower Upper
105 100
134 33.9 10.2 30.6#





#89
n-Butylbenzene
Concen: 0.631 ug/l
RT: 14.053 min Scan# 2040
Delta R.T. -0.006 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34

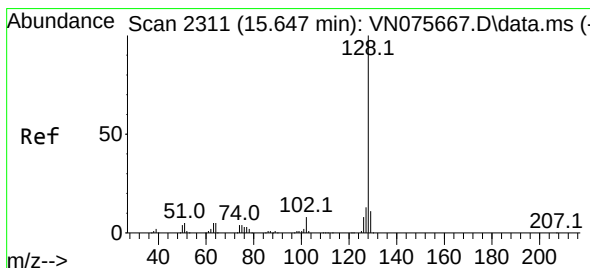
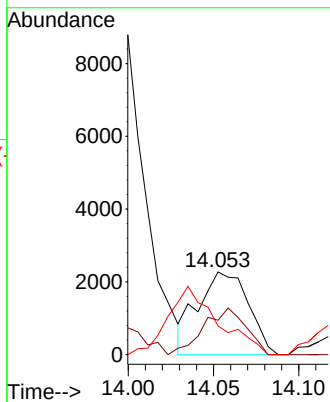
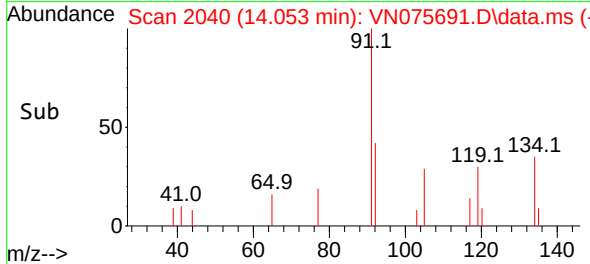
Instrument :
MSVOA_N
ClientSampleId :
MW-10R



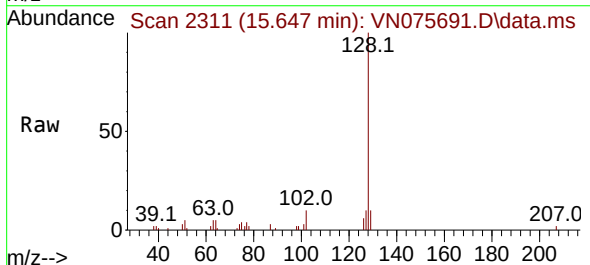
Tgt Ion: 91 Resp: 4699
Ion Ratio Lower Upper
91 100
92 47.1 26.7 80.1
134 0.0 13.9 41.7

Manual Integrations
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Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#95
Naphthalene
Concen: 3.938 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. -0.000 min
Lab File: VN075691.D
Acq: 10 Dec 2022 05:34



Tgt Ion:128 Resp: 27871
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.8 8.4 12.6

