

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075676.D
 Acq On : 09 Dec 2022 18:55
 Operator : JC\MD
 Sample : N5906-14DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-42DL

Manual Integrations
 APPROVED

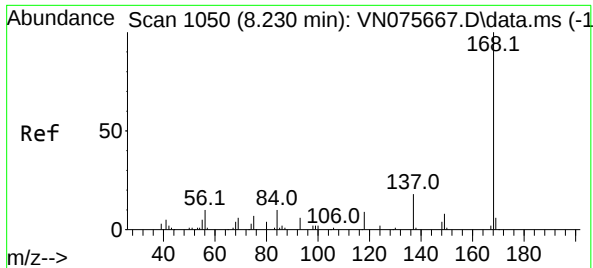
Reviewed By : John Carlone 12/12/2022
 Supervised By : Mahesh Dadoda 12/12/2022

Quant Time: Dec 12 03:11:32 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)

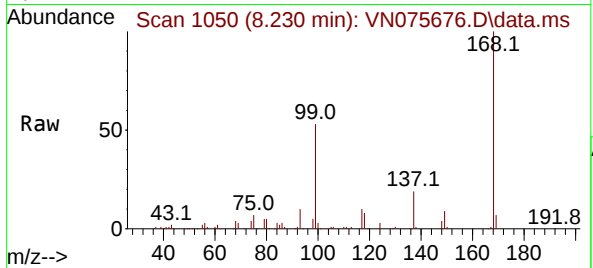
Internal Standards						
1) Pentafluorobenzene	8.230	168	264649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	424145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	379476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	141172	50.275	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.560%			
35) Dibromofluoromethane	8.171	113	125864	48.638	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.280%			
50) Toluene-d8	10.571	98	489646	50.384	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.853	95	166283	50.044	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.080%			
Target Compounds					Qvalue	
19) Methyl tert-butyl Ether	5.806	73	8548	1.121	ug/l #	1
31) Cyclohexane	8.259	56	26210	6.304	ug/l #	96
39) Methylcyclohexane	9.606	83	20692	4.749	ug/l	94
40) Benzene	8.612	78	124512	11.807	ug/l	97
52) Toluene	10.635	92	60872	8.733	ug/l	100
67) Ethyl Benzene	11.965	91	524668	39.722	ug/l	98
68) m/p-Xylenes	12.070	106	498893	93.478	ug/l	98
69) o-Xylene	12.400	106	226983	43.828	ug/l	98
73) Isopropylbenzene	12.700	105	36461	2.716	ug/l	100
78) n-propylbenzene	13.035	91	128152	8.603	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	225559	20.098	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	816051	72.348	ug/l	99
85) sec-Butylbenzene	13.617	105	7858m	0.562	ug/l	
86) p-Isopropyltoluene	13.729	119	5123m	0.438	ug/l	
89) n-Butylbenzene	14.059	91	7837	0.835	ug/l #	76
95) Naphthalene	15.641	128	188308	21.125	ug/l	100

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

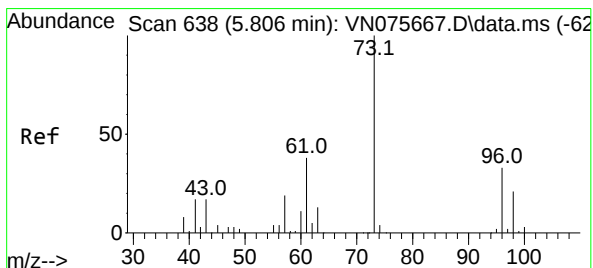
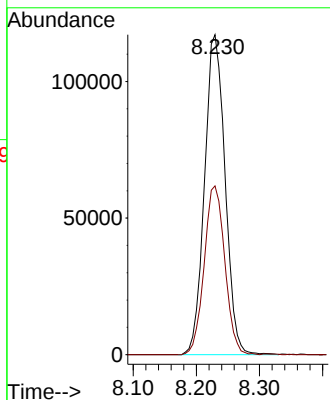
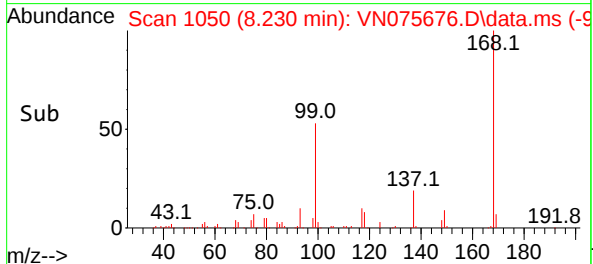
Instrument :
MSVOA_N
ClientSampleId :
MW-42DL



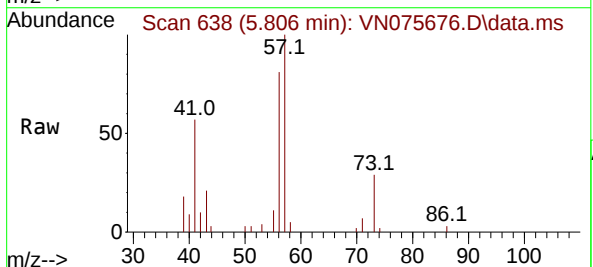
Tgt Ion:168 Resp: 264649
Ion Ratio Lower Upper
168 100
99 52.8 41.2 61.8

Manual Integrations
APPROVED

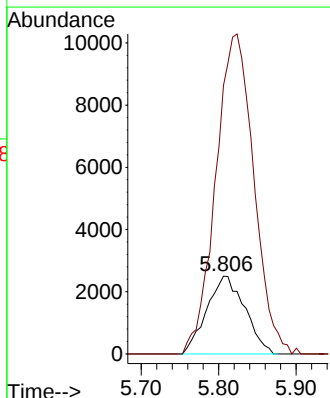
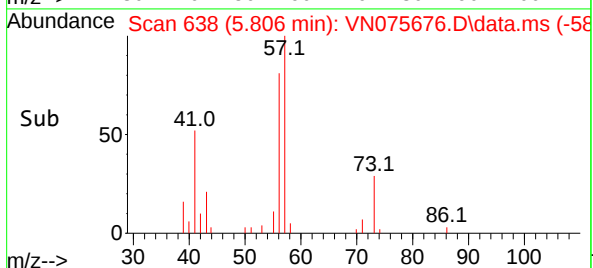
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

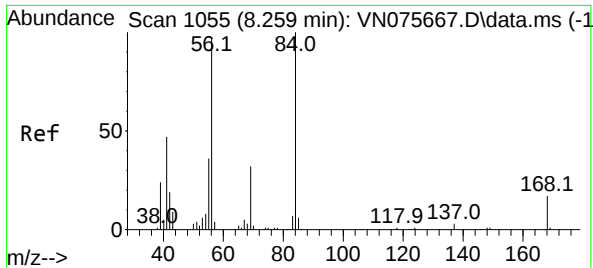


#19
Methyl tert-butyl Ether
Concen: 1.121 ug/l
RT: 5.806 min Scan# 638
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55



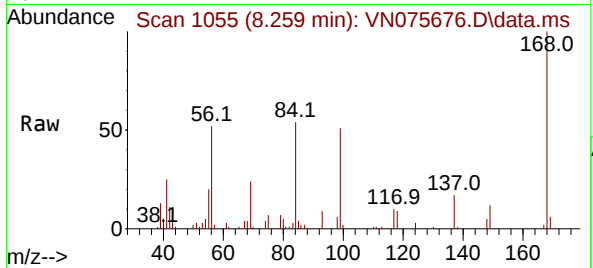
Tgt Ion: 73 Resp: 8548
Ion Ratio Lower Upper
73 100
57 345.1 15.1 22.7#





#31
Cyclohexane
Concen: 6.304 ug/l
RT: 8.259 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

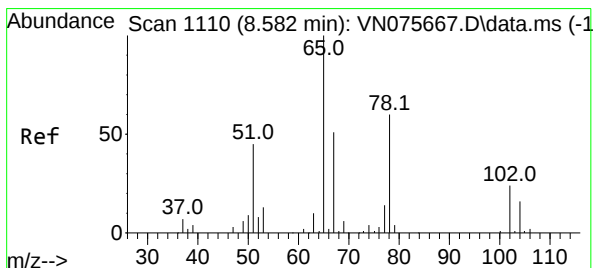
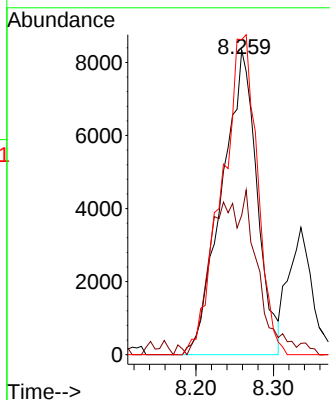
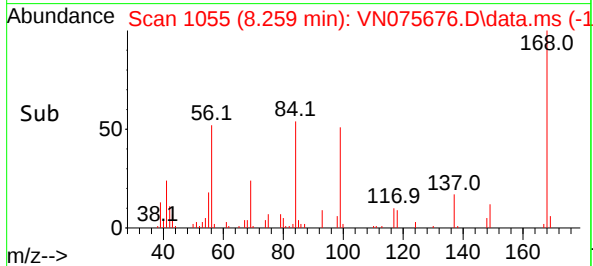
Instrument :
MSVOA_N
ClientSampleId :
MW-42DL



Tgt Ion: 56 Resp: 26210
Ion Ratio Lower Upper
56 100
69 42.6 26.2 39.2
84 103.5 82.8 124.2

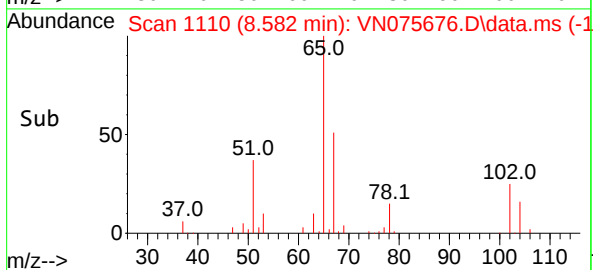
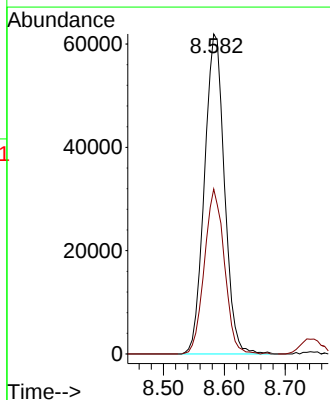
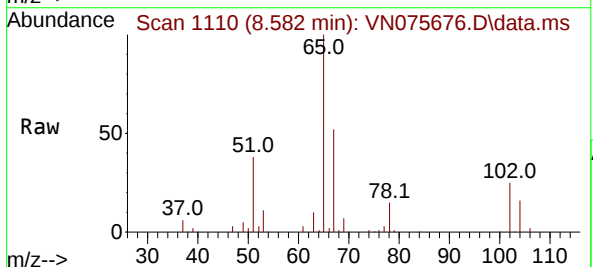
Manual Integrations
APPROVED

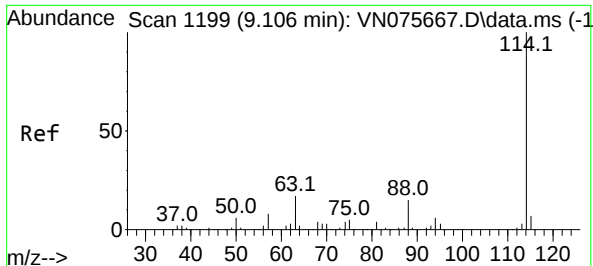
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#33
1,2-Dichloroethane-d4
Concen: 50.275 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

Tgt Ion: 65 Resp: 141172
Ion Ratio Lower Upper
65 100
67 51.5 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: VN075676.D

Acq: 09 Dec 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

MW-42DL

Tgt Ion:114 Resp: 42414

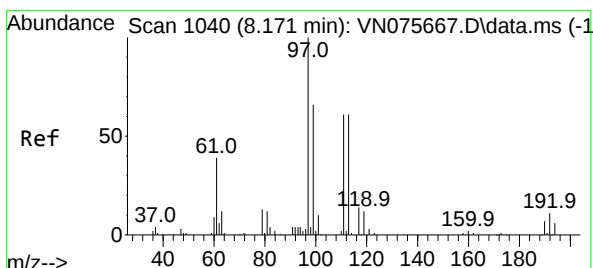
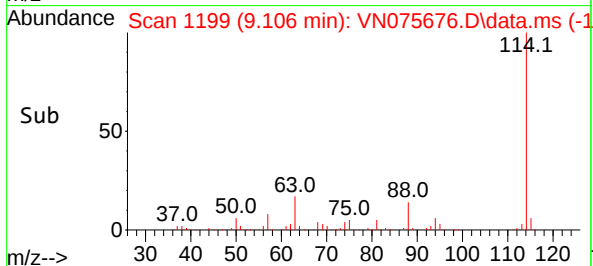
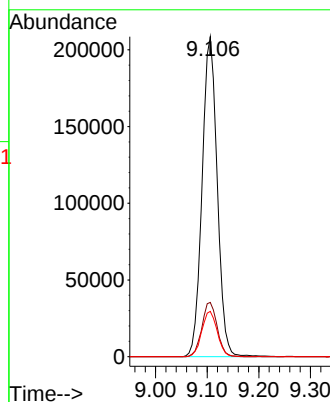
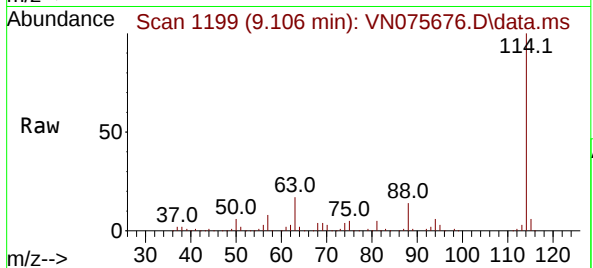
Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	34.4
88	14.2	0.0	29.2

Manual Integrations

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Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#35

Dibromofluoromethane

Concen: 48.638 ug/l

RT: 8.171 min Scan# 1040

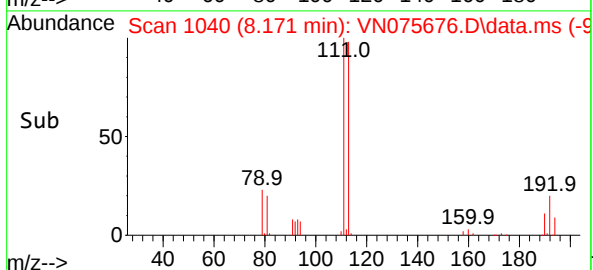
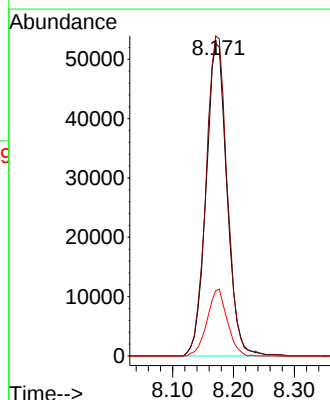
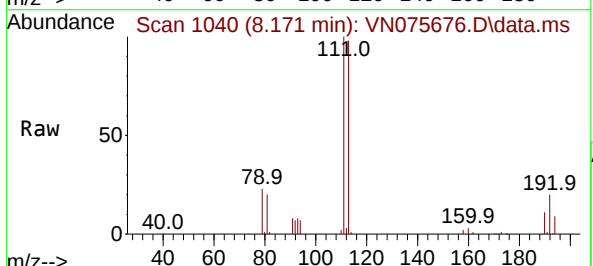
Delta R.T. 0.000 min

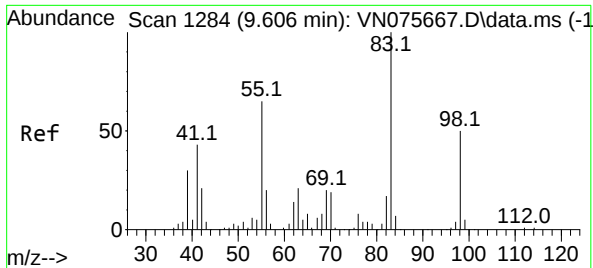
Lab File: VN075676.D

Acq: 09 Dec 2022 18:55

Tgt Ion:113 Resp: 125864

Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.0	121.6
192	20.5	16.2	24.2





#39

Methylcyclohexane

Concen: 4.749 ug/l

RT: 9.606 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN075676.D

Acq: 09 Dec 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

MW-42DL

Tgt Ion: 83 Resp: 2069

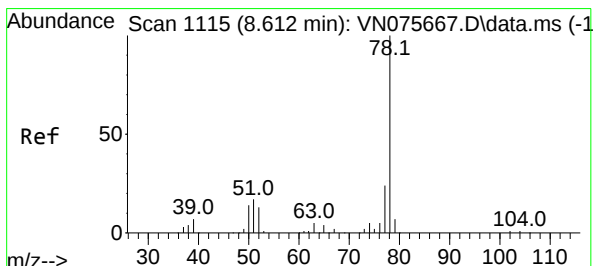
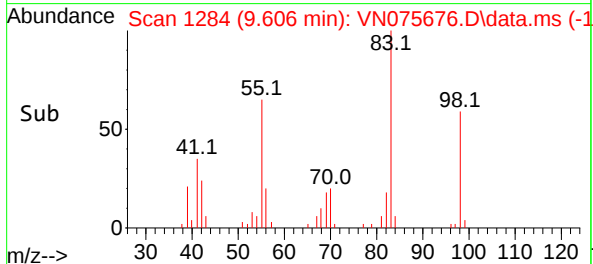
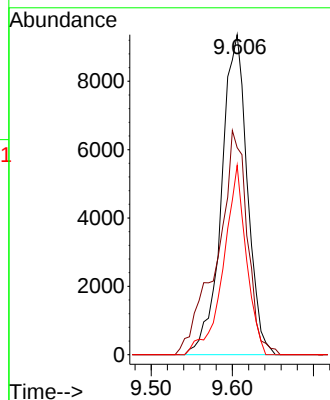
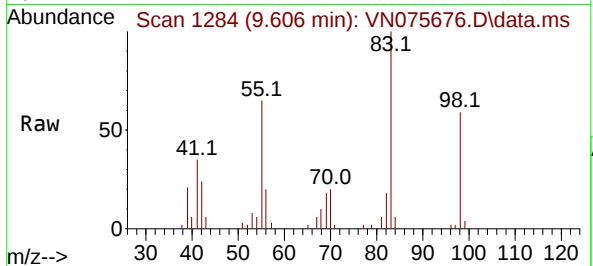
Ion	Ratio	Lower	Upper
83	100		
55	64.7	51.6	77.4
98	59.1	39.8	59.8

Manual Integrations

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Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#40

Benzene

Concen: 11.807 ug/l

RT: 8.612 min Scan# 1115

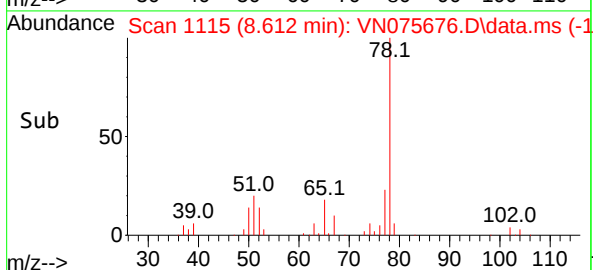
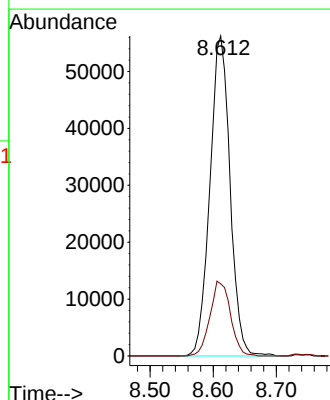
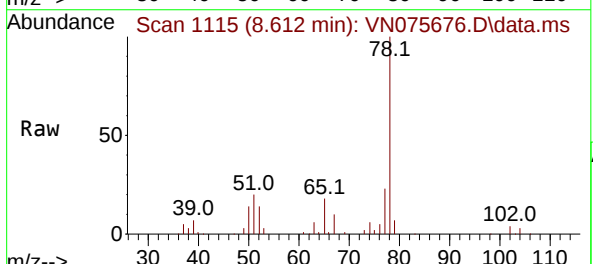
Delta R.T. 0.000 min

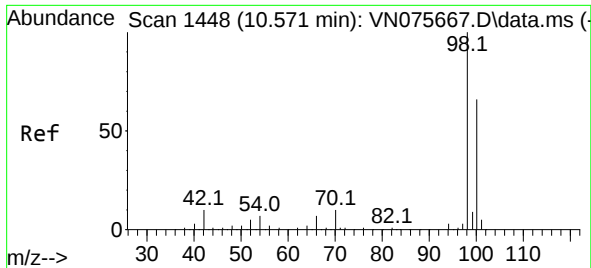
Lab File: VN075676.D

Acq: 09 Dec 2022 18:55

Tgt Ion: 78 Resp: 124512

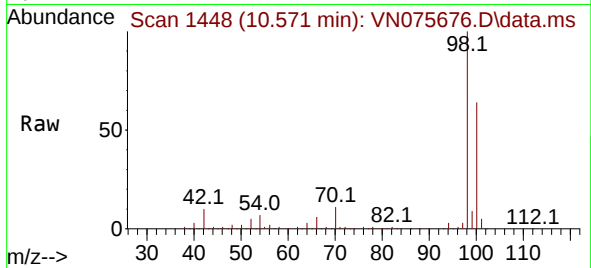
Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.1	28.7





#50
Toluene-d8
Concen: 50.384 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

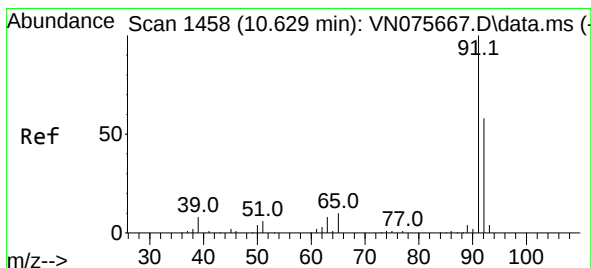
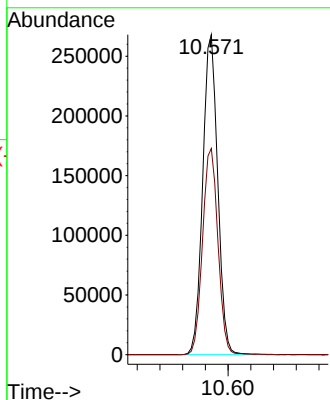
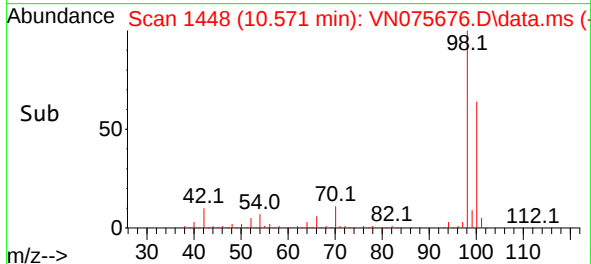
Instrument :
MSVOA_N
ClientSampleId :
MW-42DL



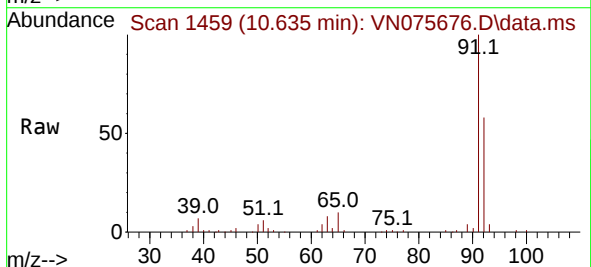
Tgt Ion: 98 Resp: 489640
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8

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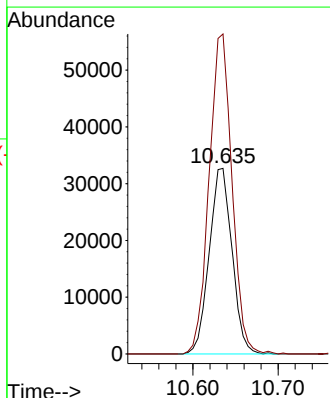
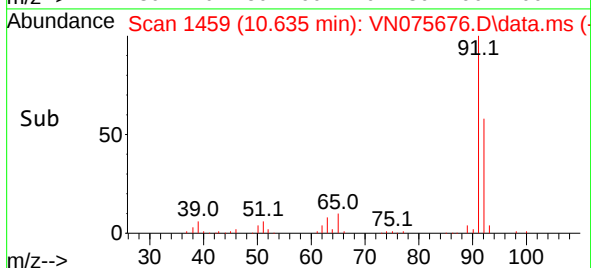
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

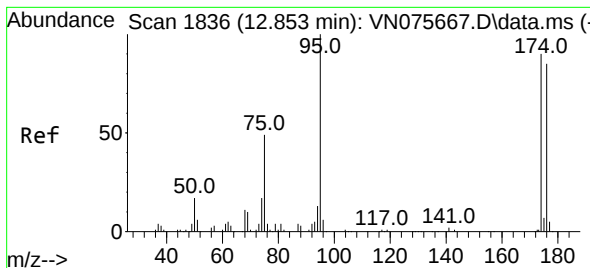


#52
Toluene
Concen: 8.733 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55



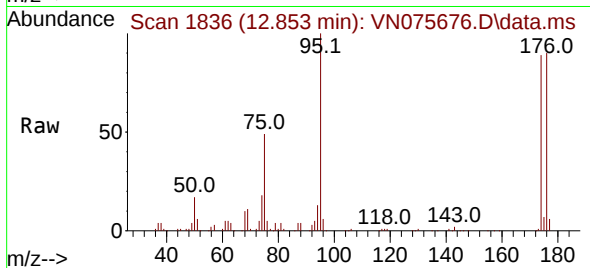
Tgt Ion: 92 Resp: 60872
Ion Ratio Lower Upper
92 100
91 172.6 137.9 206.9





#62
4-Bromofluorobenzene
Concen: 50.044 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

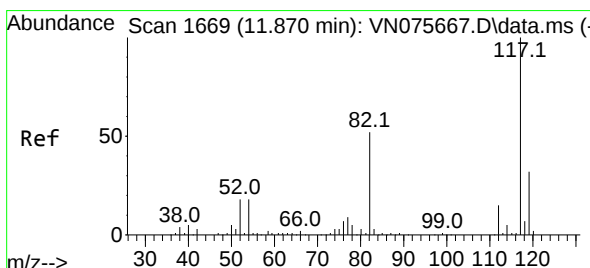
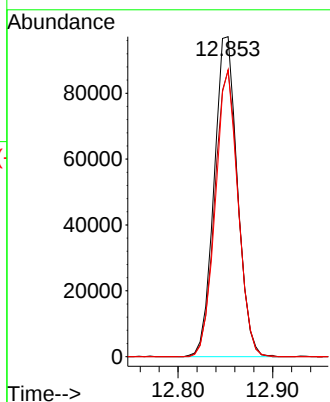
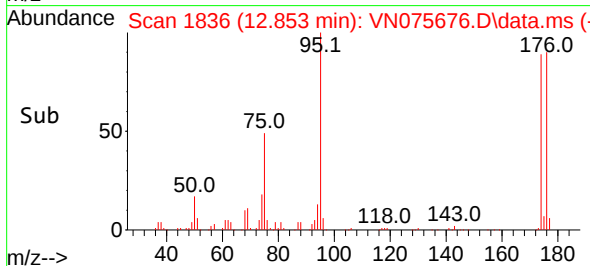
Instrument :
MSVOA_N
ClientSampleId :
MW-42DL



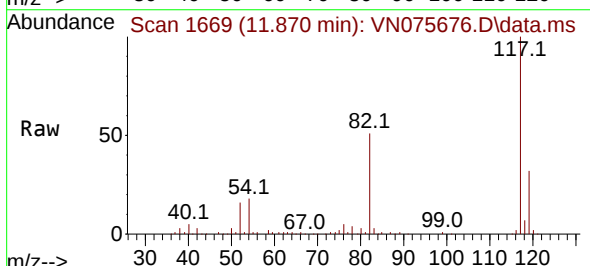
Tgt Ion: 95 Resp: 16628
Ion Ratio Lower Upper
95 100
174 89.6 0.0 178.6
176 86.9 0.0 170.8

Manual Integrations
APPROVED

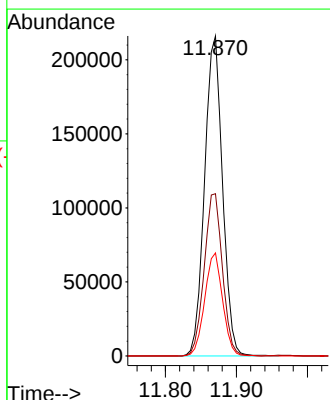
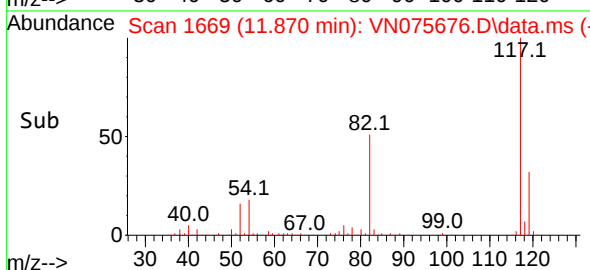
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

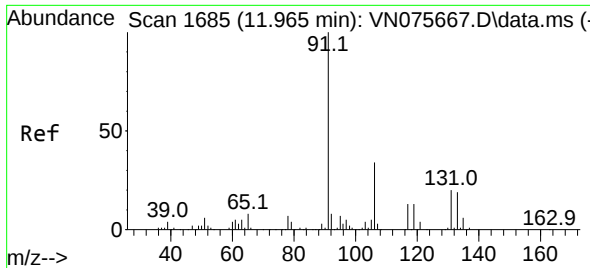


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55



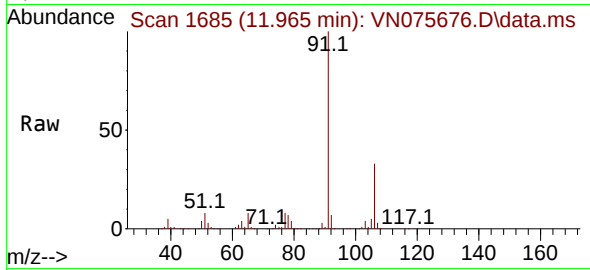
Tgt Ion:117 Resp: 379476
Ion Ratio Lower Upper
117 100
82 50.7 41.8 62.8
119 32.2 25.8 38.6





#67
Ethyl Benzene
Concen: 39.722 ug/l
RT: 11.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

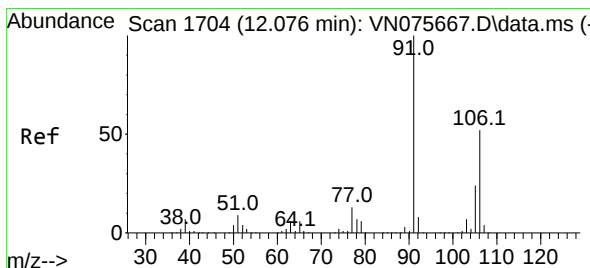
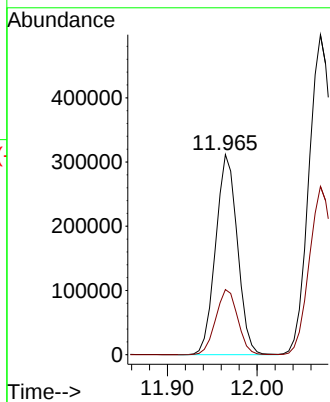
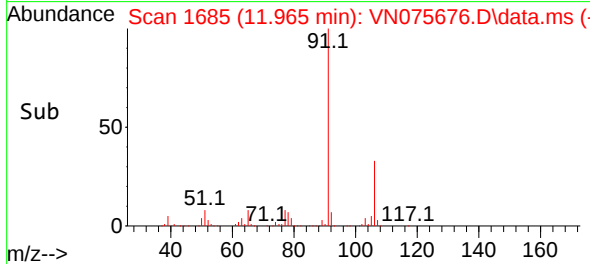
Instrument :
MSVOA_N
ClientSampleId :
MW-42DL



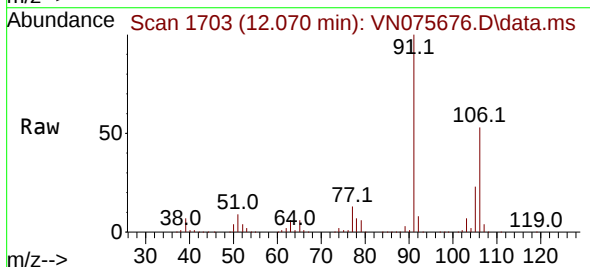
Tgt Ion: 91 Resp: 524668
Ion Ratio Lower Upper
91 100
106 32.6 26.9 40.3

Manual Integrations
APPROVED

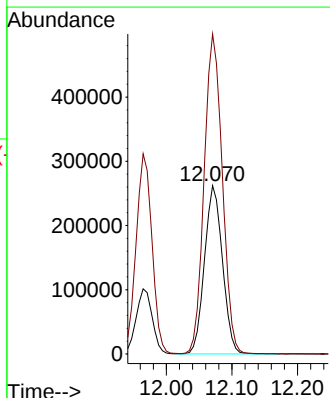
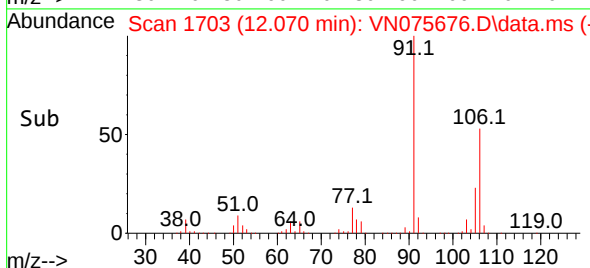
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022

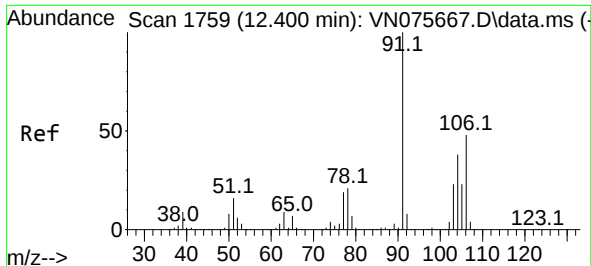


#68
m/p-Xylenes
Concen: 93.478 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55



Tgt Ion:106 Resp: 498893
Ion Ratio Lower Upper
106 100
91 192.6 156.2 234.4





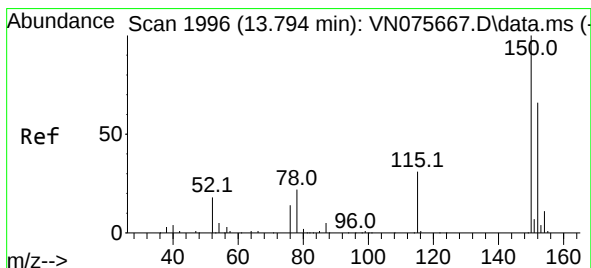
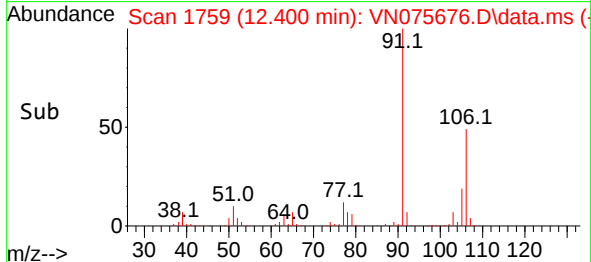
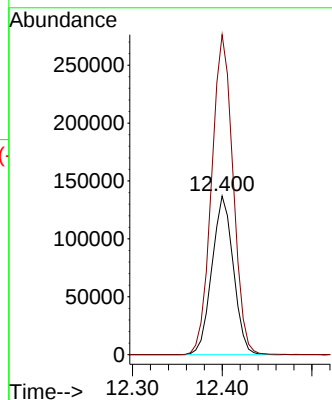
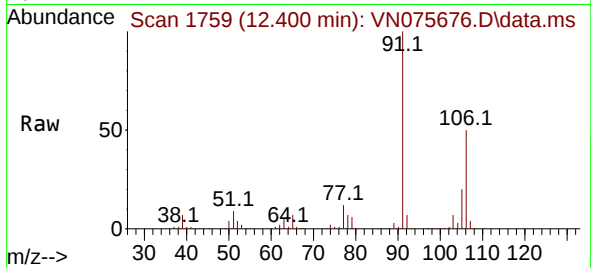
#69
o-Xylene
Concen: 43.828 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

Instrument :
MSVOA_N
ClientSampleId :
MW-42DL

Tgt Ion:106 Resp: 226983
Ion Ratio Lower Upper
106 100
91 202.4 102.8 308.5

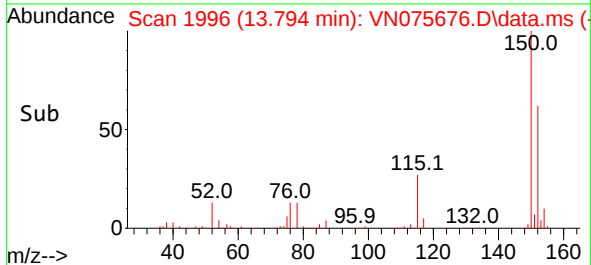
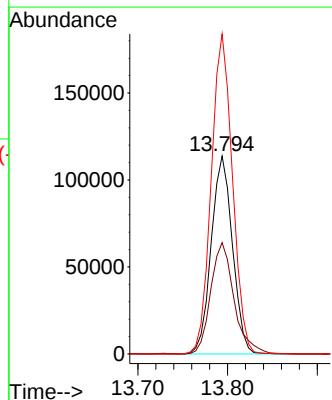
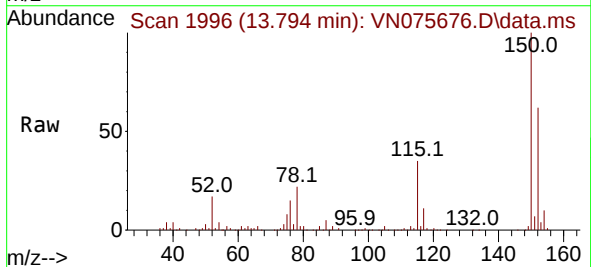
Manual Integrations
APPROVED

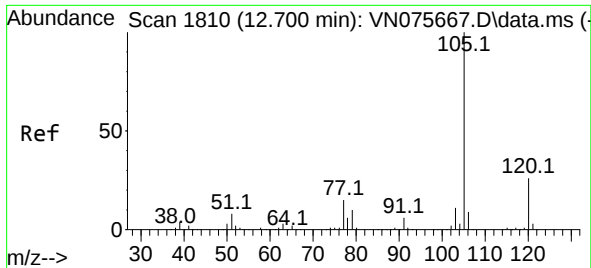
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

Tgt Ion:152 Resp: 186952
Ion Ratio Lower Upper
152 100
115 61.9 28.4 85.2
150 161.4 0.0 347.6





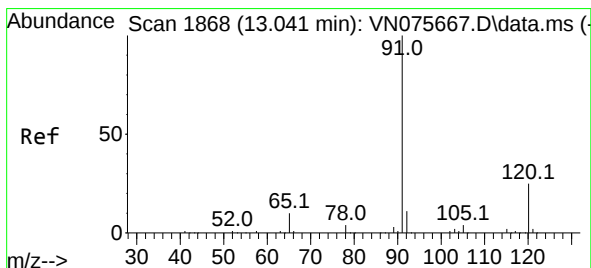
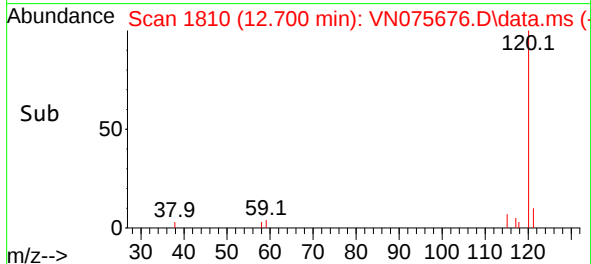
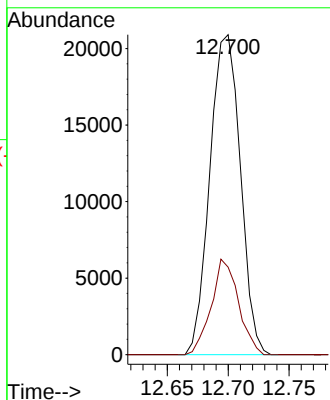
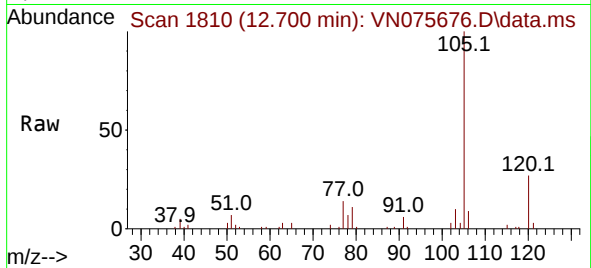
#73
Isopropylbenzene
Concen: 2.716 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

Instrument :
MSVOA_N
ClientSampleId :
MW-42DL

Tgt Ion:105 Resp: 3646
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2

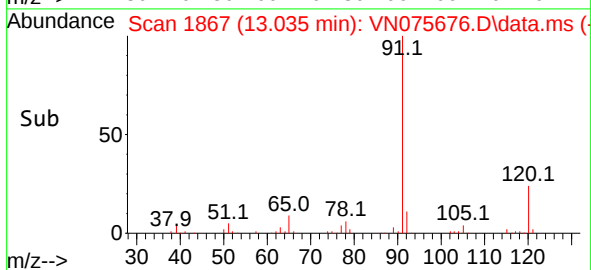
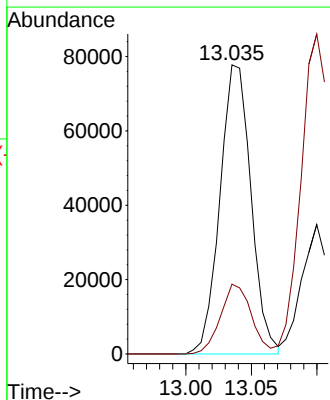
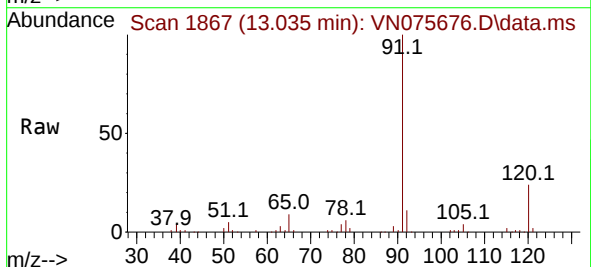
Manual Integrations
APPROVED

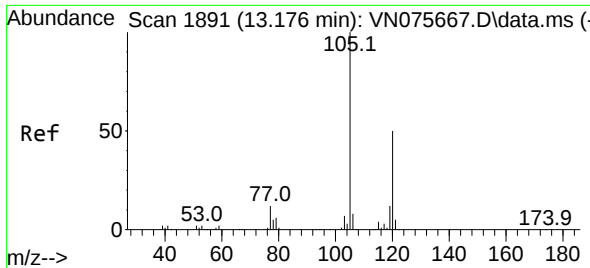
Reviewed By :John Carlone 12/12/2022
Supervised By :Mahesh Dadoda 12/12/2022



#78
n-propylbenzene
Concen: 8.603 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN075676.D
Acq: 09 Dec 2022 18:55

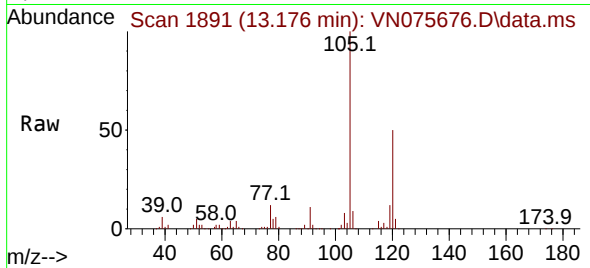
Tgt Ion: 91 Resp: 128152
Ion Ratio Lower Upper
91 100
120 23.9 12.1 36.3





#80
 1,3,5-Trimethylbenzene
 Concen: 20.098 ug/l
 RT: 13.176 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: VN075676.D
 Acq: 09 Dec 2022 18:55

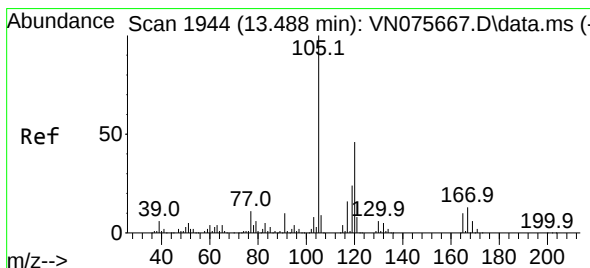
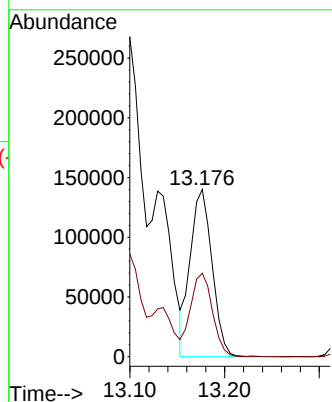
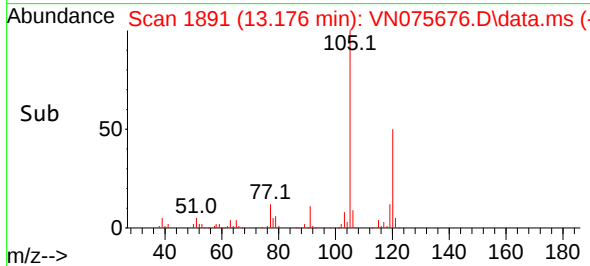
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-42DL



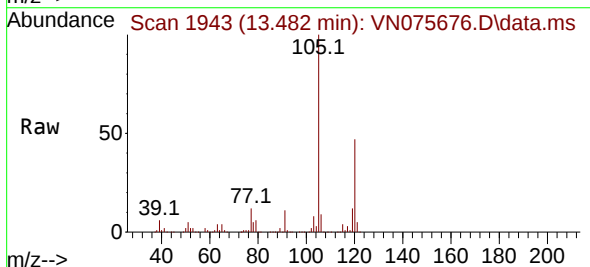
Tgt Ion:105 Resp: 225558
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6

Manual Integrations
 APPROVED

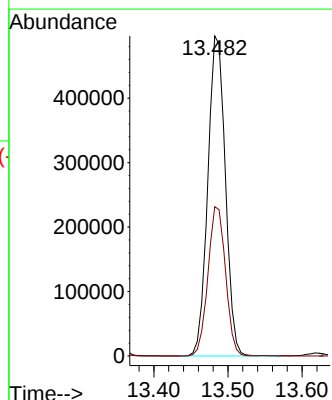
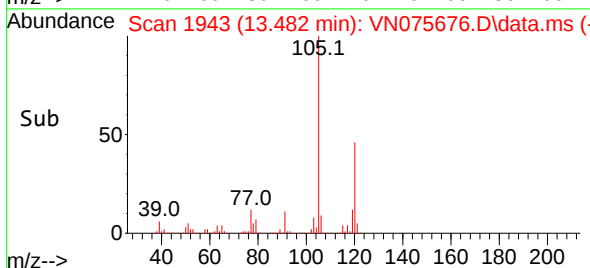
Reviewed By :John Carlone 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022

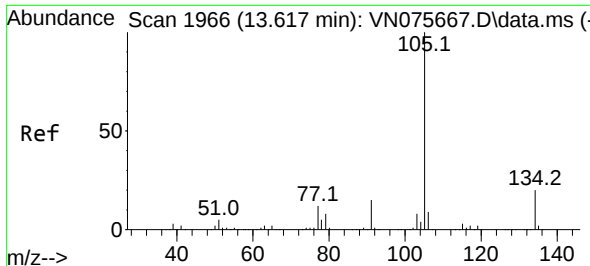


#84
 1,2,4-Trimethylbenzene
 Concen: 72.348 ug/l
 RT: 13.482 min Scan# 1943
 Delta R.T. -0.006 min
 Lab File: VN075676.D
 Acq: 09 Dec 2022 18:55



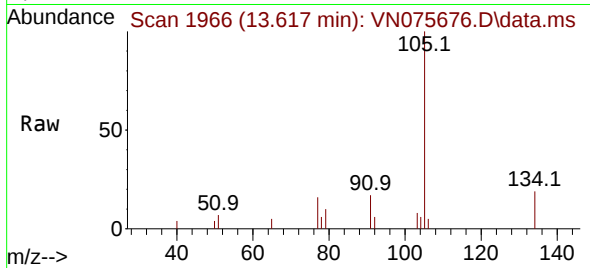
Tgt Ion:105 Resp: 816051
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.1 69.2





#85
 sec-Butylbenzene
 Concen: 0.562 ug/l m
 RT: 13.617 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN075676.D
 Acq: 09 Dec 2022 18:55

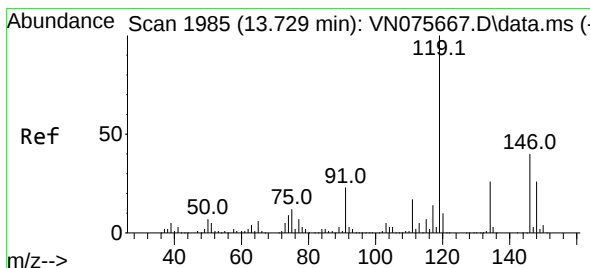
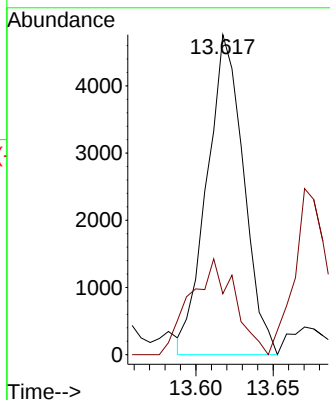
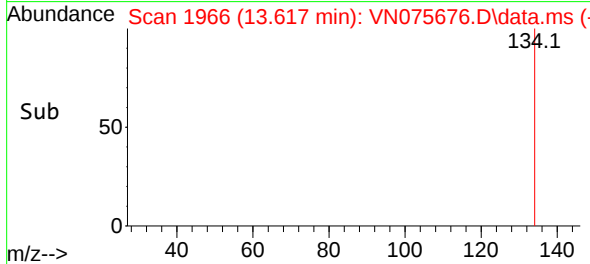
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-42DL



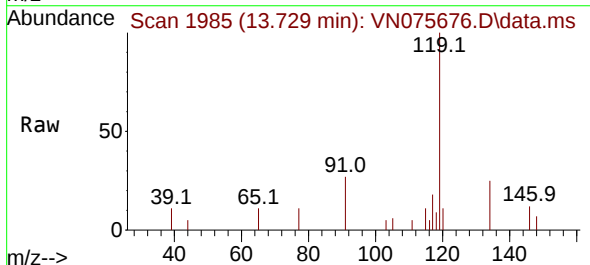
Tgt Ion:105 Resp: 785
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6

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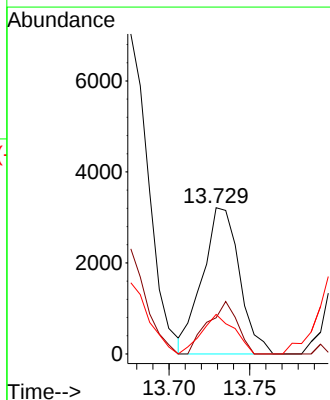
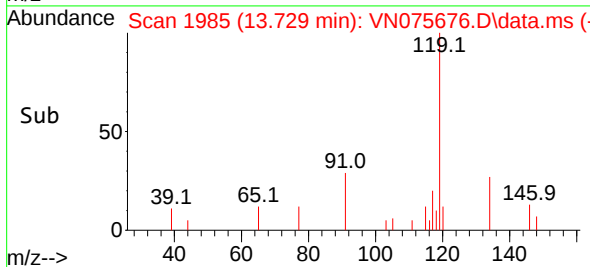
Reviewed By :John Carlone 12/12/2022
 Supervised By :Mahesh Dadoda 12/12/2022

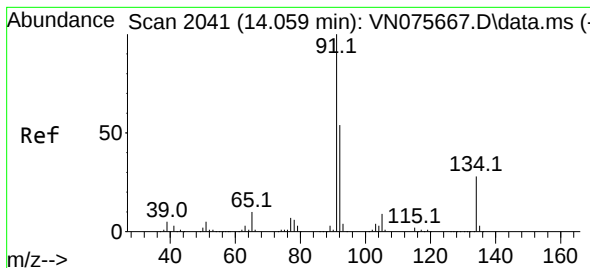


#86
 p-Isopropyltoluene
 Concen: 0.438 ug/l m
 RT: 13.729 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: VN075676.D
 Acq: 09 Dec 2022 18:55



Tgt Ion:119 Resp: 5123
 Ion Ratio Lower Upper
 119 100
 134 70.4 13.3 39.9#
 91 54.4 11.4 34.1#





#89

n-Butylbenzene

Concen: 0.835 ug/l

RT: 14.059 min Scan# 2041

Delta R.T. 0.000 min

Lab File: VN075676.D

Acq: 09 Dec 2022 18:55

Instrument :

MSVOA_N

ClientSampleId :

MW-42DL

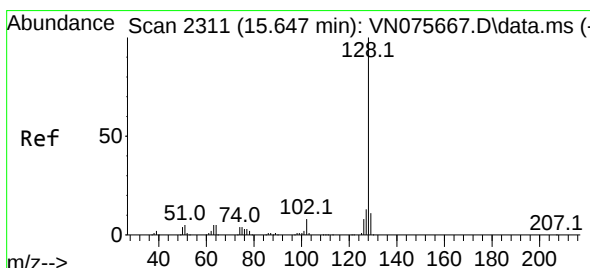
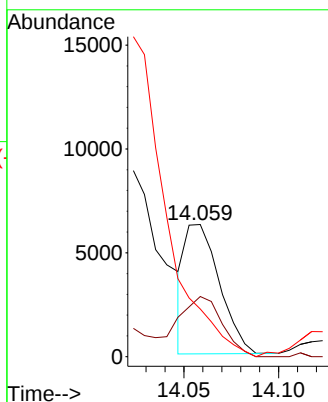
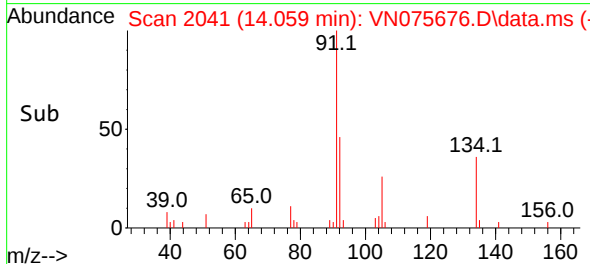
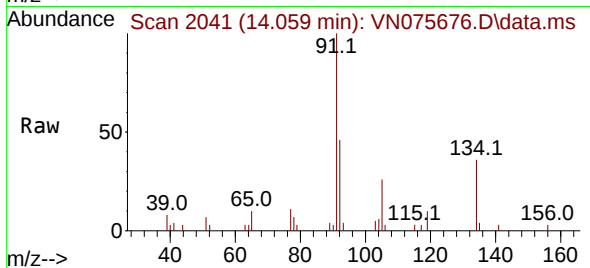
Tgt Ion: 91	Resp: 783
Ion Ratio	Lower Upper
91 100	
92 60.1	26.7 80.1
134 0.0	13.9 41.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/12/2022

Supervised By :Mahesh Dadoda 12/12/2022



#95

Naphthalene

Concen: 21.125 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.006 min

Lab File: VN075676.D

Acq: 09 Dec 2022 18:55

Tgt Ion:128	Resp: 188308
Ion Ratio	Lower Upper
128 100	
127 12.7	10.2 15.4
129 10.6	8.4 12.6

