

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076667.D
 Acq On : 14 Feb 2023 17:48
 Operator : JC\MD
 Sample : 01549-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1930

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2023
 Supervised By : Mahesh Dadoda 02/15/2023

Quant Time: Feb 15 03:16:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	353754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	622893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	552072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	242647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	238861	48.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.800%		
35) Dibromofluoromethane	8.178	113	188075	46.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.220%		
50) Toluene-d8	10.571	98	754253	49.511	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.020%		
62) 4-Bromofluorobenzene	12.854	95	251742	49.894	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.780%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.525	59	30919	47.953	ug/l #	78
16) Acetone	4.442	43	104148	47.731	ug/l	95
19) Methyl tert-butyl Ether	5.819	73	8331	0.677	ug/l #	90
25) 2-Butanone	7.501	43	15404	4.786	ug/l	92
40) Benzene	8.613	78	76479	4.226	ug/l	100
52) Toluene	10.630	92	35884	3.284	ug/l	95
60) Dibromochloromethane	11.371	129	3603	0.769	ug/l	83
67) Ethyl Benzene	11.971	91	44966	2.256	ug/l	99
68) m/p-Xylenes	12.071	106	74780	9.733	ug/l	93
69) o-Xylene	12.401	106	52113	6.955	ug/l	100
71) Bromoform	12.589	173	2499	0.802	ug/l #	87
73) Isopropylbenzene	12.701	105	11649	0.655	ug/l	97
78) n-propylbenzene	13.036	91	49278	2.360	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	78841	5.364	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	427689	29.197	ug/l	98
85) sec-Butylbenzene	13.618	105	13569m	0.731	ug/l	
86) p-Isopropyltoluene	13.730	119	9357m	0.631	ug/l	
89) n-Butylbenzene	14.059	91	15584	1.209	ug/l #	81
95) Naphthalene	15.642	128	87708	6.738	ug/l #	95

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

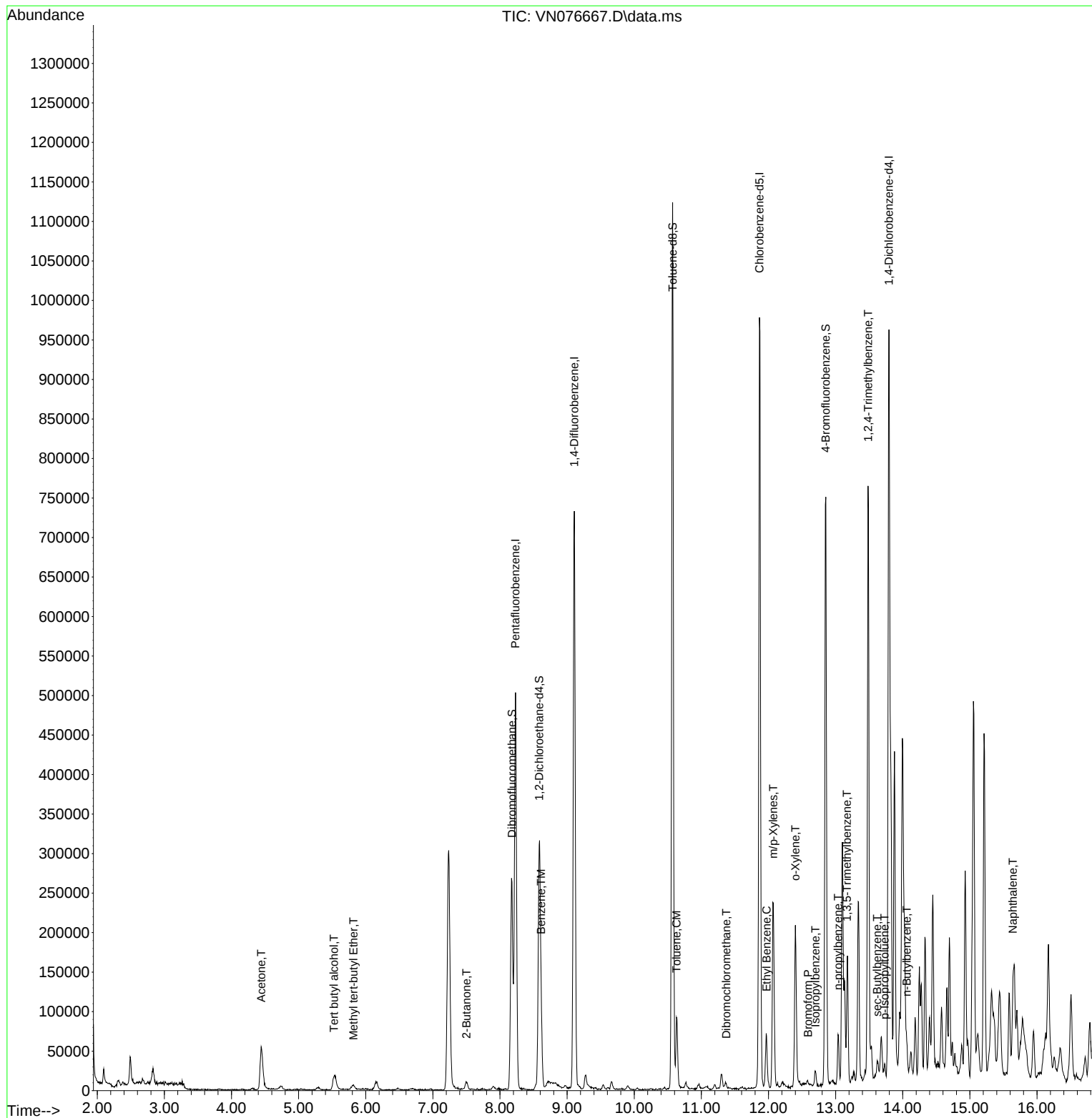
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
Data File : VN076667.D
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ALS Vial : 17 Sample Multiplier: 1

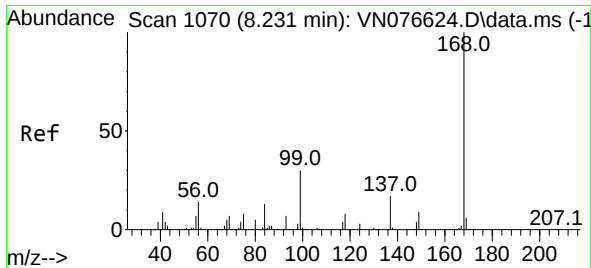
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Supervised By : Mahesh Dadoda 02/15/2023

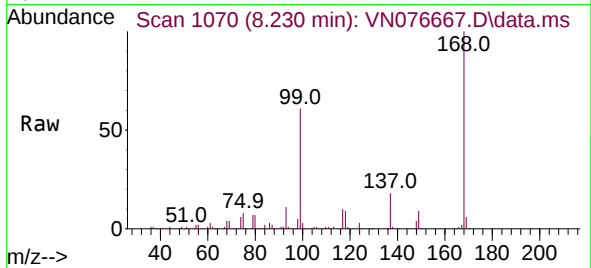
Quant Time: Feb 15 03:16:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11930
Delta R.T. -0.001 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

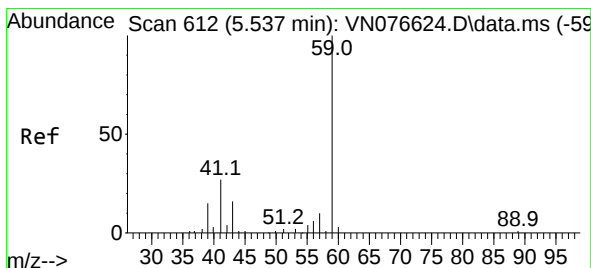
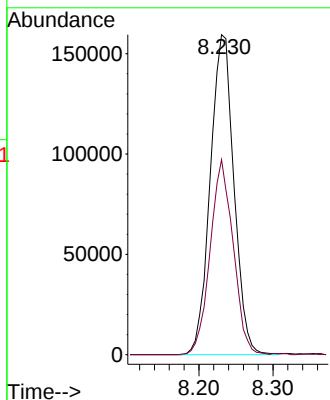
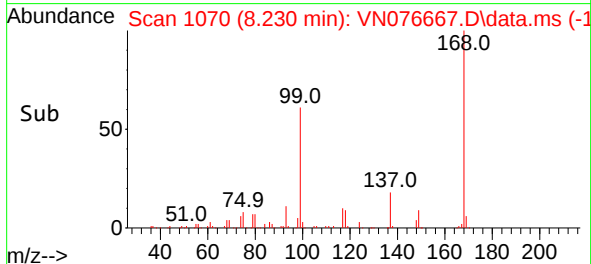
Instrument :
MSVOA_N
ClientSampleId :
1930



Tgt Ion:168 Resp: 353754
Ion Ratio Lower Upper
168 100
99 61.0 44.8 67.2

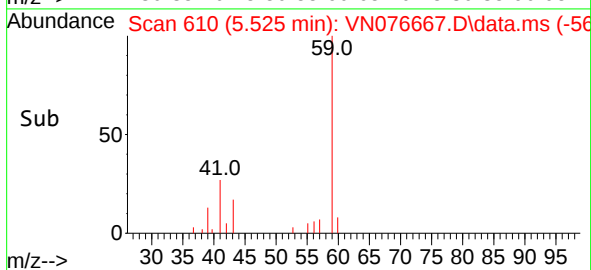
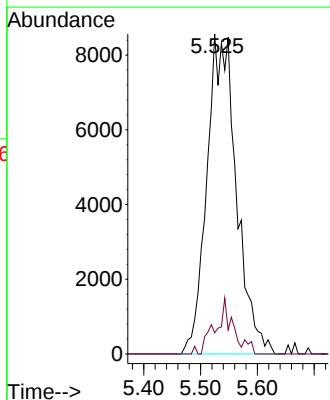
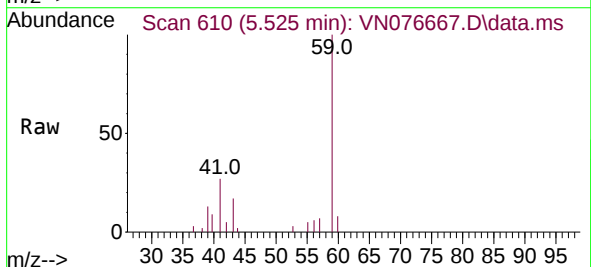
Manual Integrations
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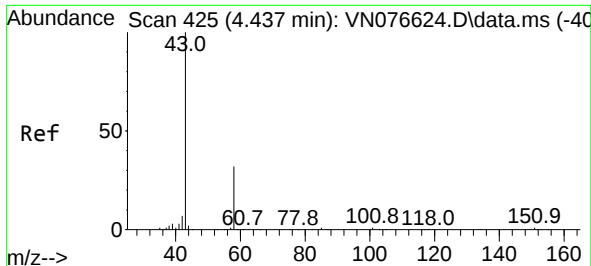
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#11
Tert butyl alcohol
Concen: 47.953 ug/l
RT: 5.525 min Scan# 610
Delta R.T. -0.012 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

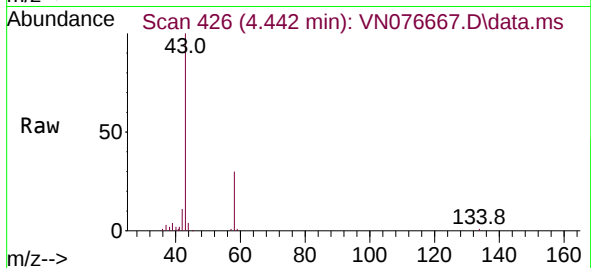
Tgt Ion: 59 Resp: 30919
Ion Ratio Lower Upper
59 100
57 2.7 8.7 13.1#





#16
Acetone
Concen: 47.731 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

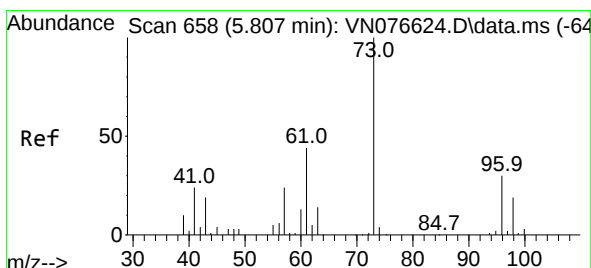
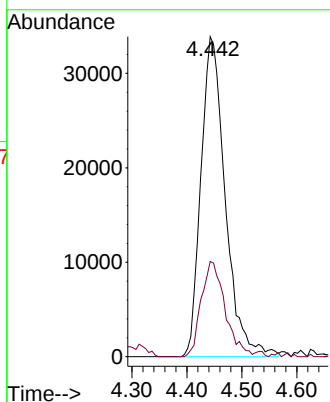
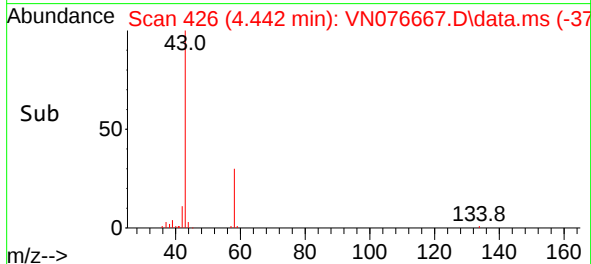
Instrument :
MSVOA_N
ClientSampleId :
1930



Tgt Ion: 43 Resp: 10414
Ion Ratio Lower Upper
43 100
58 29.7 25.9 38.9

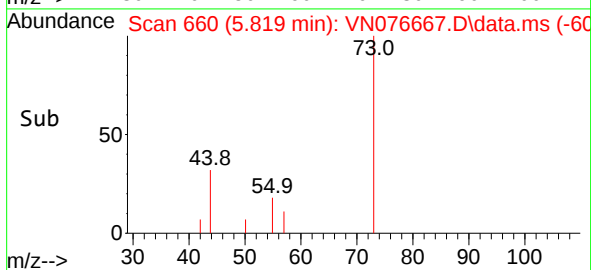
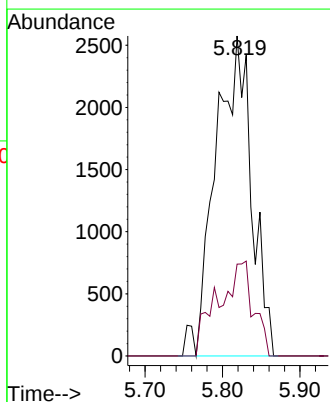
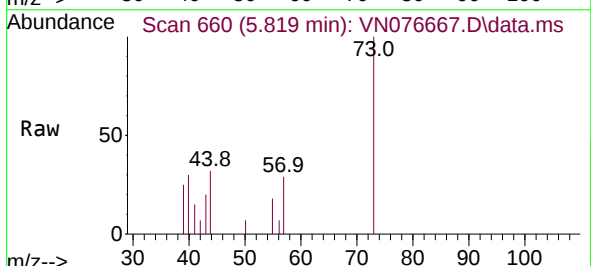
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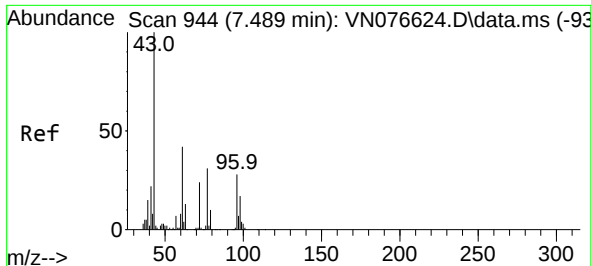
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#19
Methyl tert-butyl Ether
Concen: 0.677 ug/l
RT: 5.819 min Scan# 660
Delta R.T. 0.012 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

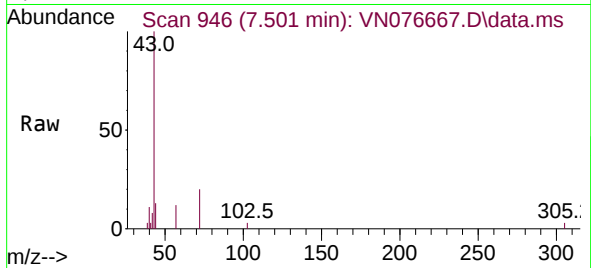
Tgt Ion: 73 Resp: 8331
Ion Ratio Lower Upper
73 100
57 28.7 19.0 28.4#





#25
2-Butanone
Concen: 4.786 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

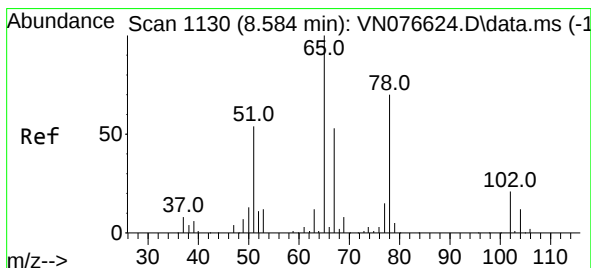
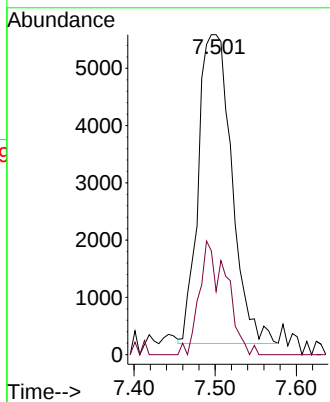
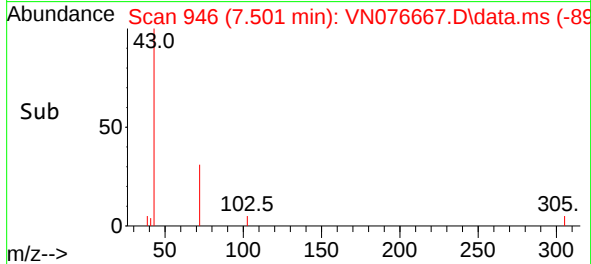
Instrument :
MSVOA_N
ClientSampleId :
1930



Tgt Ion: 43 Resp: 15404
Ion Ratio Lower Upper
43 100
72 20.5 19.4 29.2

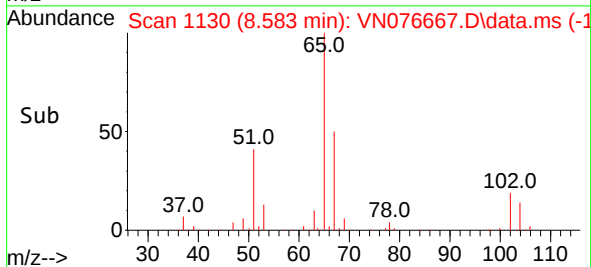
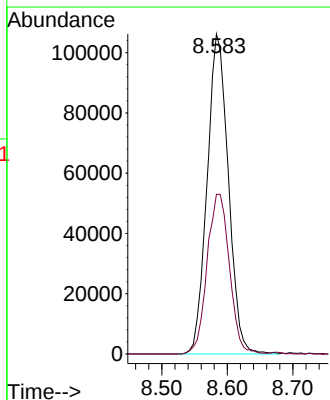
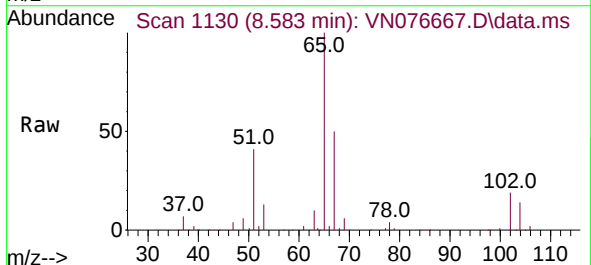
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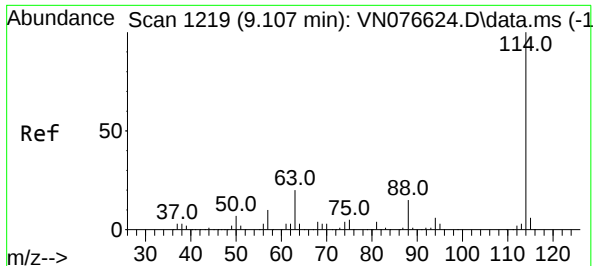
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#33
1,2-Dichloroethane-d4
Concen: 48.899 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

Tgt Ion: 65 Resp: 238861
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN076667.D

Acq: 14 Feb 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

1930

Tgt Ion:114 Resp: 62289

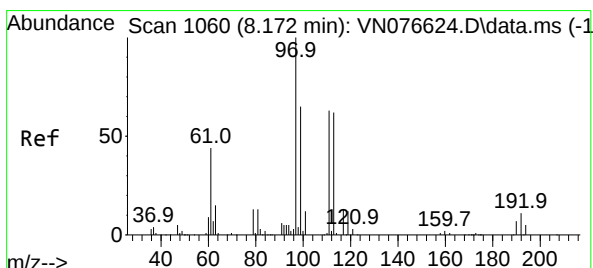
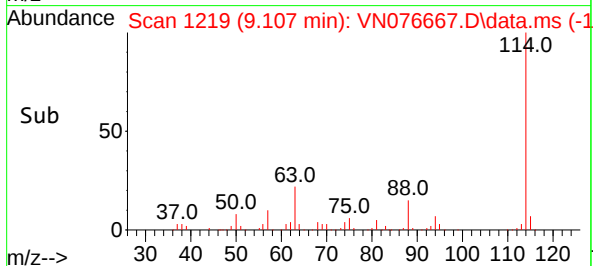
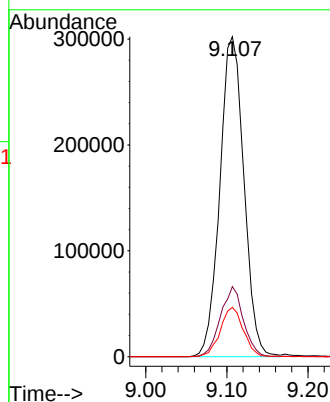
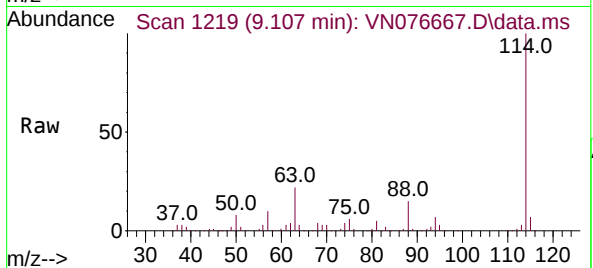
Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	40.0
88	15.4	0.0	29.6

Manual Integrations

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Supervised By :Mahesh Dadoda 02/15/2023



#35

Dibromofluoromethane

Concen: 46.106 ug/l

RT: 8.178 min Scan# 1061

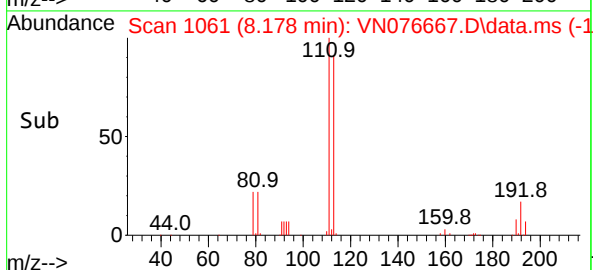
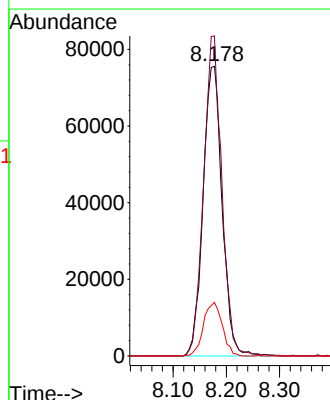
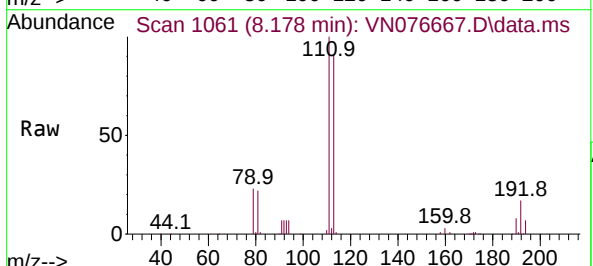
Delta R.T. 0.005 min

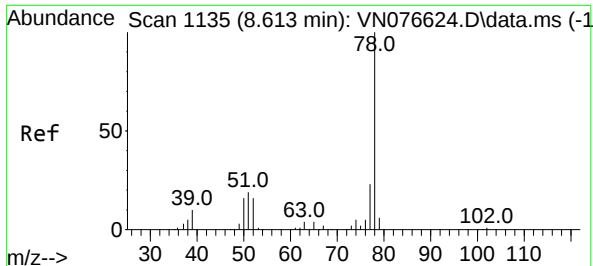
Lab File: VN076667.D

Acq: 14 Feb 2023 17:48

Tgt Ion:113 Resp: 188075

Ion	Ratio	Lower	Upper
113	100		
111	105.3	83.1	124.7
192	18.3	15.6	23.4





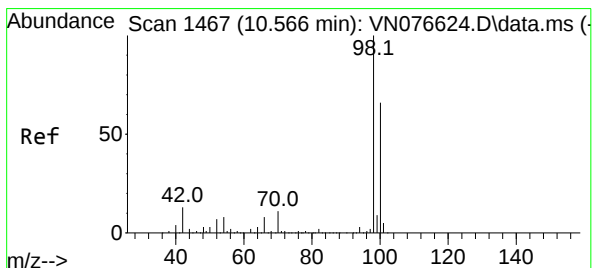
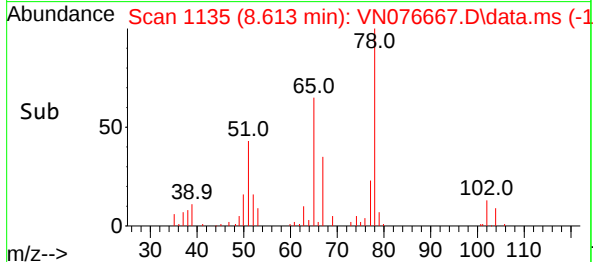
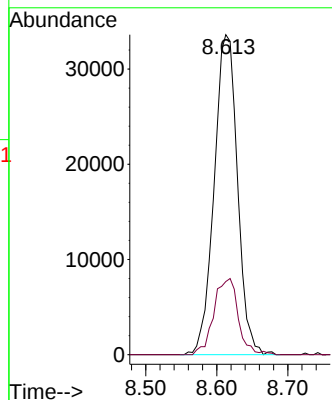
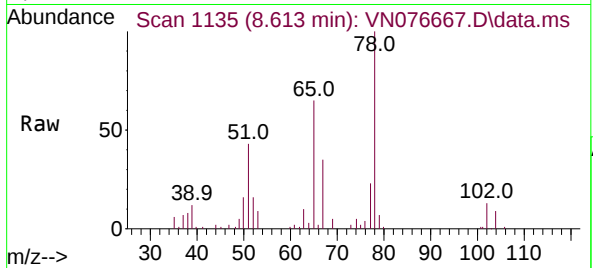
#40
Benzene
Concen: 4.226 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 78 Resp: 76479
Ion Ratio Lower Upper
78 100
77 22.8 18.2 27.4

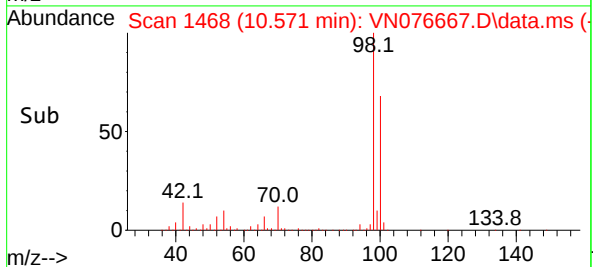
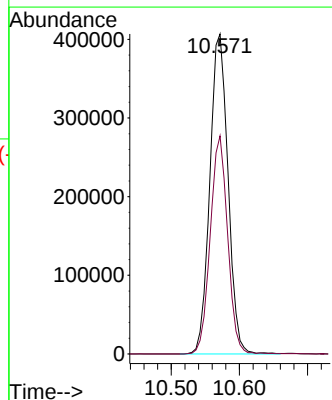
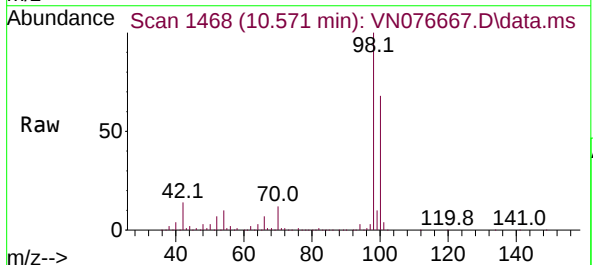
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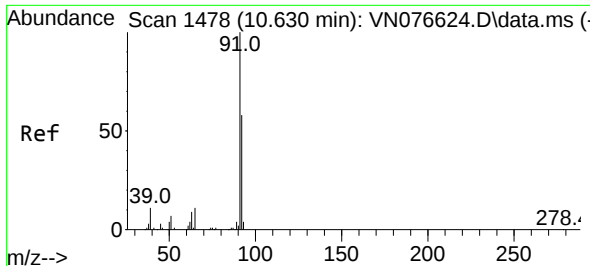
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#50
Toluene-d8
Concen: 49.511 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

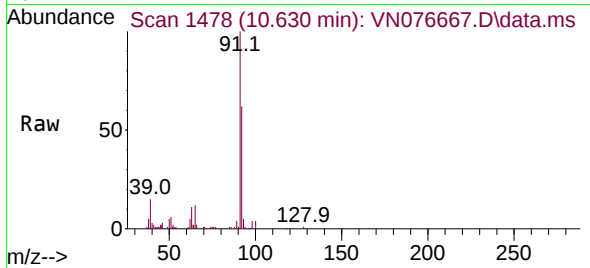
Tgt Ion: 98 Resp: 754253
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3





#52
Toluene
Concen: 3.284 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

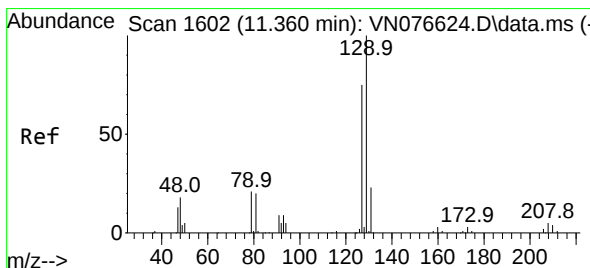
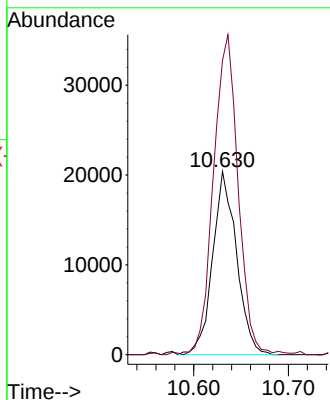
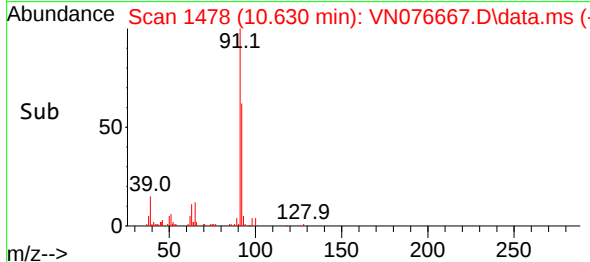
Instrument :
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ClientSampleId :
1930



Tgt Ion: 92 Resp: 35884
Ion Ratio Lower Upper
92 100
91 180.0 138.0 207.0

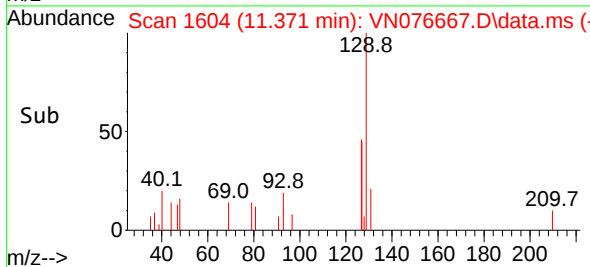
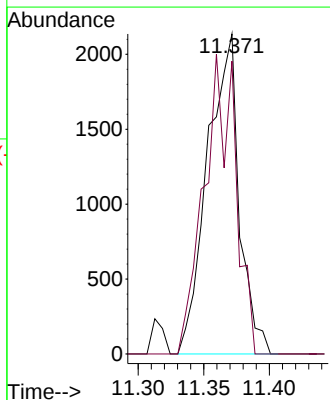
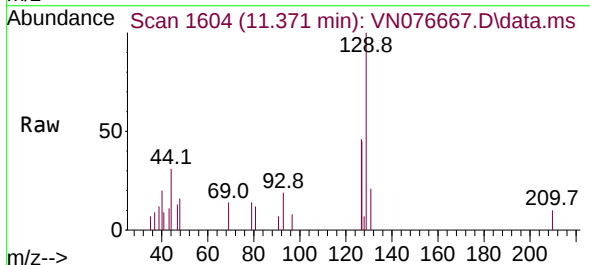
Manual Integrations
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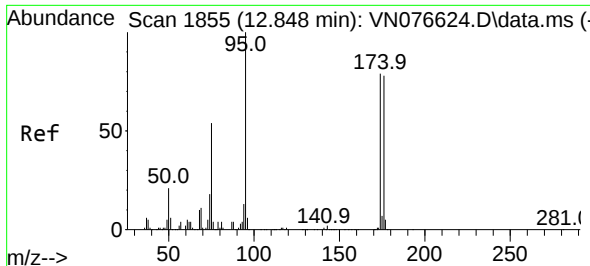
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#60
Dibromochloromethane
Concen: 0.769 ug/l
RT: 11.371 min Scan# 1604
Delta R.T. 0.011 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

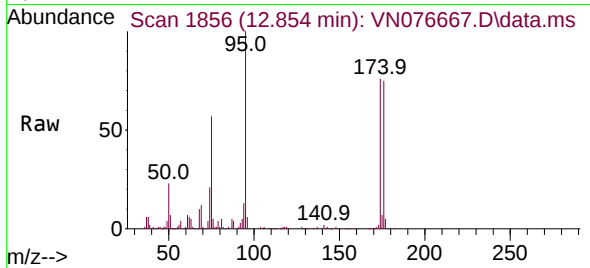
Tgt Ion:129 Resp: 3603
Ion Ratio Lower Upper
129 100
127 92.6 38.8 116.4





#62
4-Bromofluorobenzene
Concen: 49.894 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

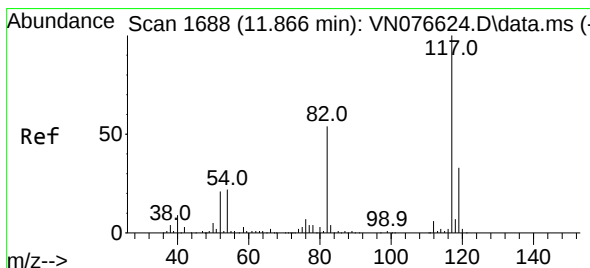
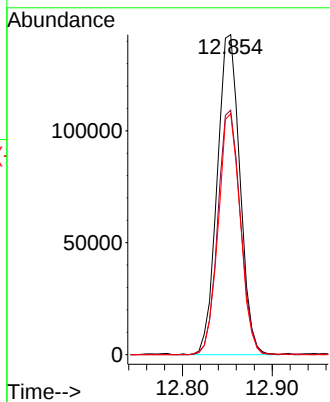
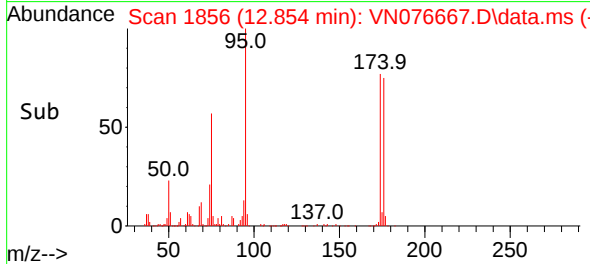
Instrument :
MSVOA_N
ClientSampleId :
1930



Tgt Ion: 95 Resp: 25174
Ion Ratio Lower Upper
95 100
174 76.0 0.0 169.2
176 73.0 0.0 163.4

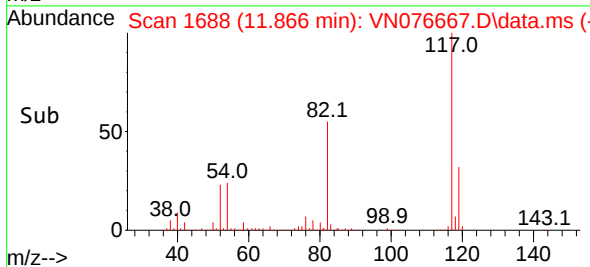
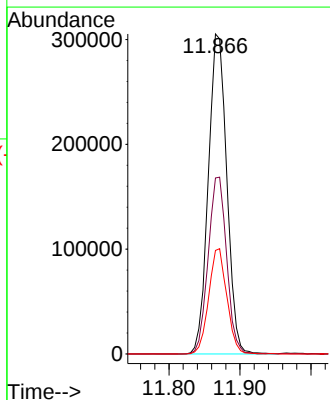
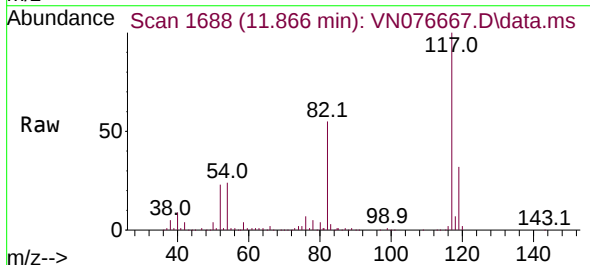
Manual Integrations
APPROVED

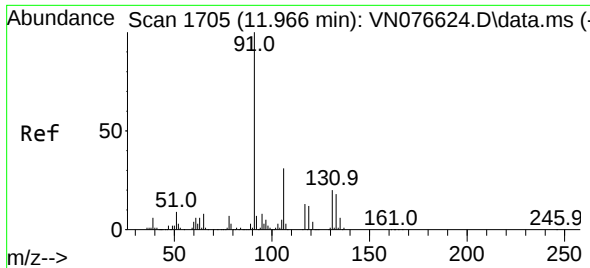
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

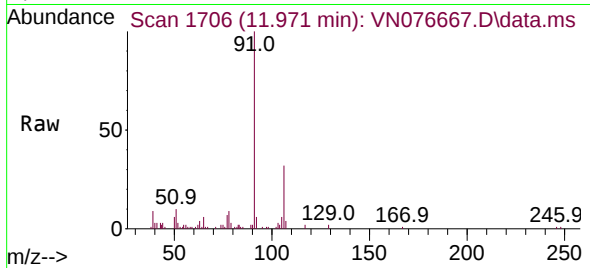
Tgt Ion:117 Resp: 552072
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.2
119 32.4 26.1 39.1





#67
Ethyl Benzene
Concen: 2.256 ug/l
RT: 11.971 min Scan# 1706
Delta R.T. 0.005 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

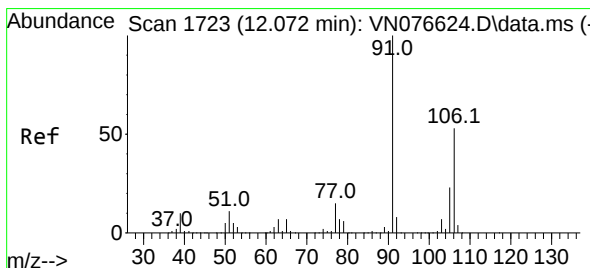
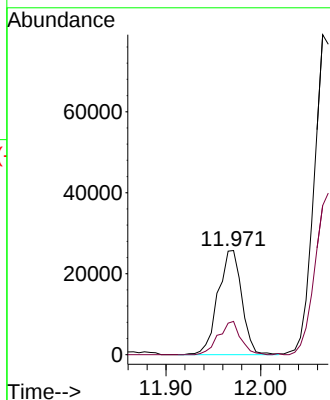
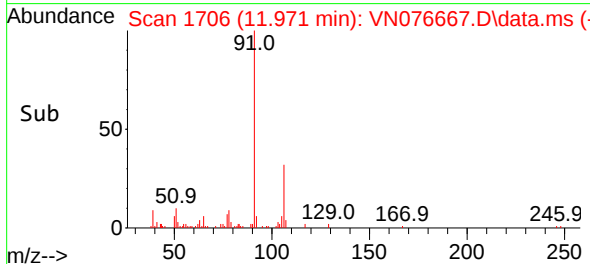
Instrument :
MSVOA_N
ClientSampleId :
1930



Tgt Ion: 91 Resp: 44960
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

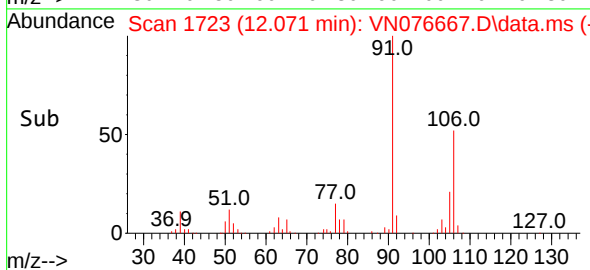
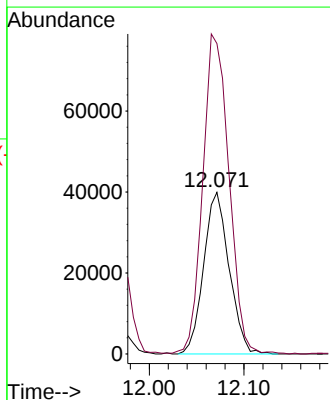
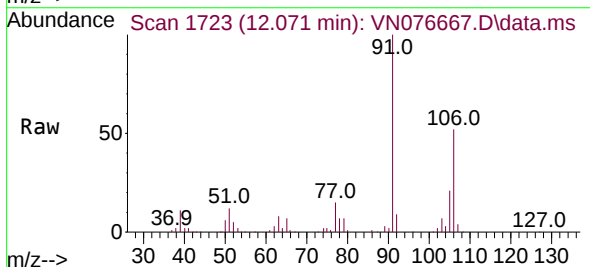
Manual Integrations
APPROVED

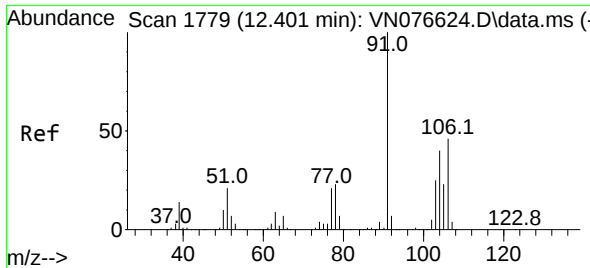
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#68
m/p-Xylenes
Concen: 9.733 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

Tgt Ion:106 Resp: 74780
Ion Ratio Lower Upper
106 100
91 203.1 154.7 232.1





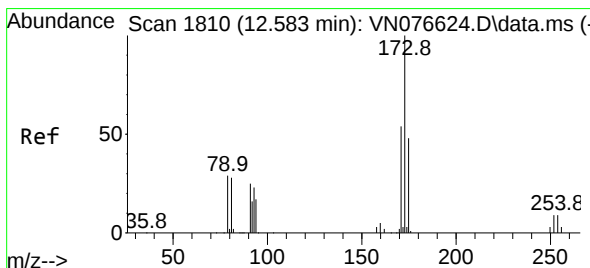
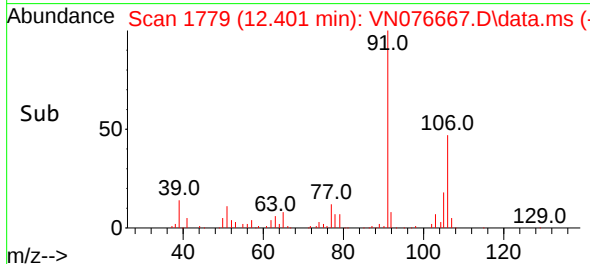
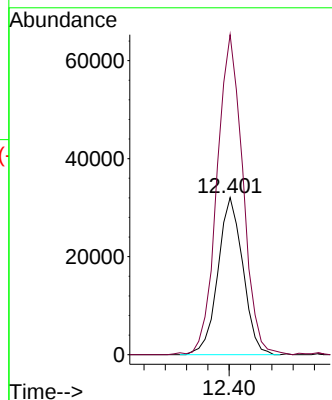
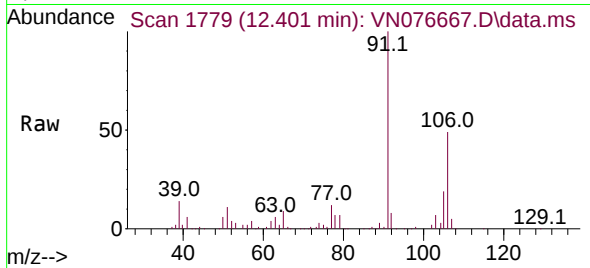
#69
o-Xylene
Concen: 6.955 ug/l
RT: 12.401 min Scan# 11930
Delta R.T. -0.000 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

Instrument :
MSVOA_N
ClientSampleId :
1930

Tgt Ion:106 Resp: 5211
Ion Ratio Lower Upper
106 100
91 211.1 105.8 317.4

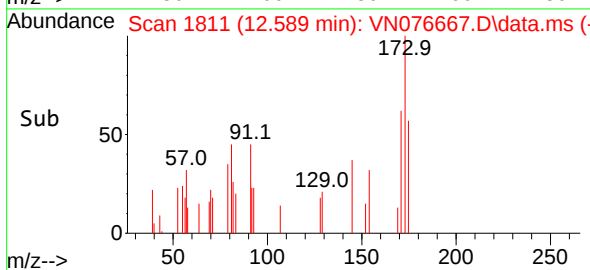
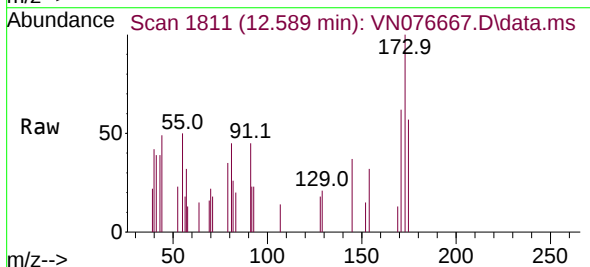
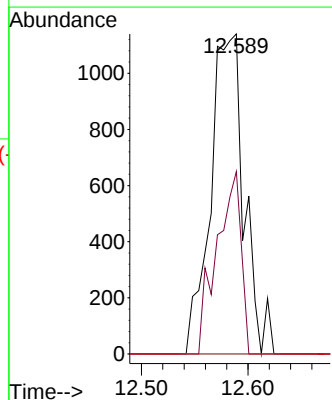
Manual Integrations
APPROVED

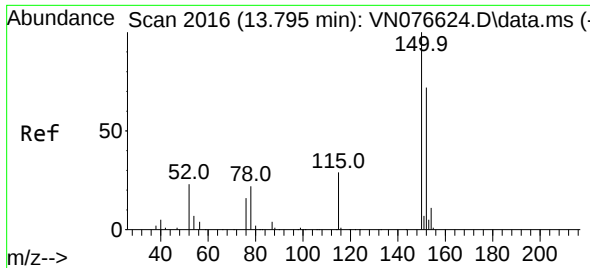
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#71
Bromoform
Concen: 0.802 ug/l
RT: 12.589 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

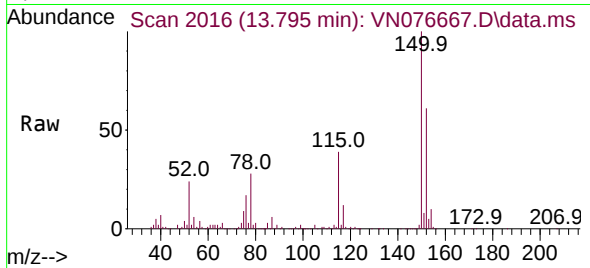
Tgt Ion:173 Resp: 2499
Ion Ratio Lower Upper
173 100
175 41.2 24.9 74.7
254 0.0 0.1 0.1#





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

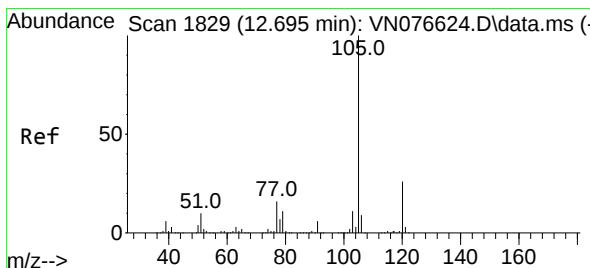
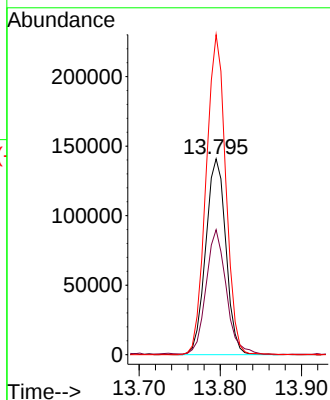
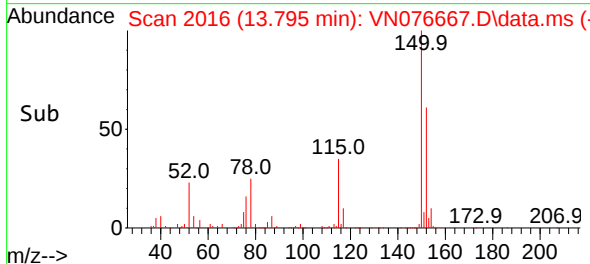
Instrument :
MSVOA_N
ClientSampleId :
1930



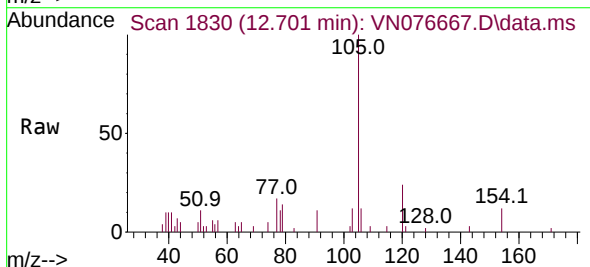
Tgt Ion:152 Resp: 24264
Ion Ratio Lower Upper
152 100
115 63.9 29.3 87.9
150 159.6 0.0 349.8

Manual Integrations
APPROVED

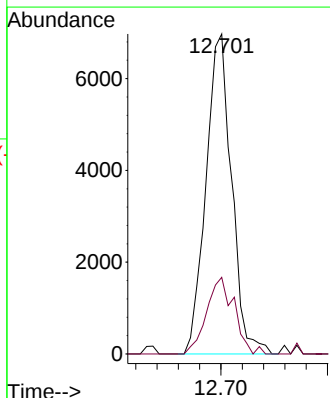
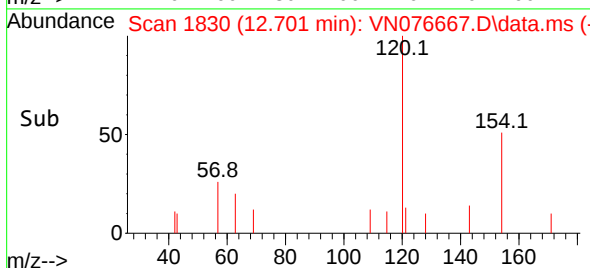
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023

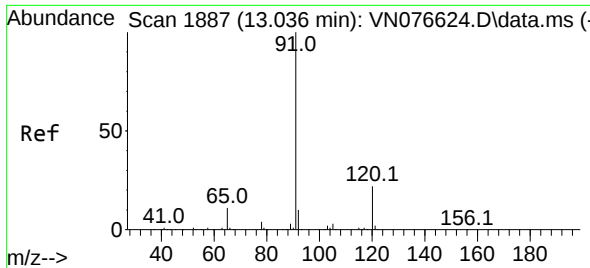


#73
Isopropylbenzene
Concen: 0.655 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. 0.006 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48



Tgt Ion:105 Resp: 11649
Ion Ratio Lower Upper
105 100
120 25.8 13.7 41.0





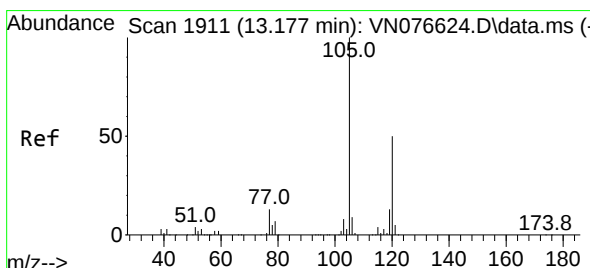
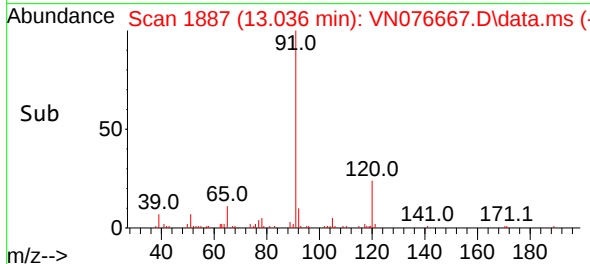
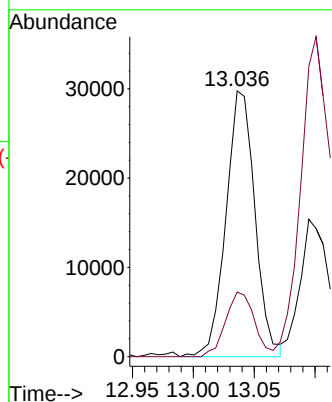
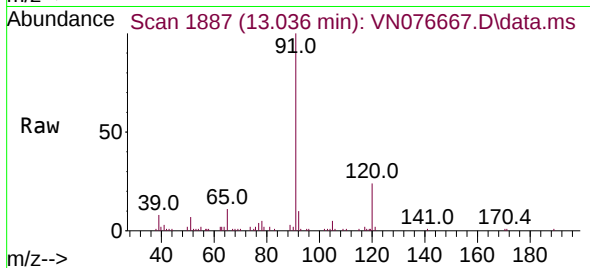
#78
n-propylbenzene
Concen: 2.360 ug/l
RT: 13.036 min Scan# 11930
Delta R.T. 0.000 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

Instrument :
MSVOA_N
ClientSampleId :
1930

Tgt Ion: 91 Resp: 49278
Ion Ratio Lower Upper
91 100
120 24.2 11.5 34.5

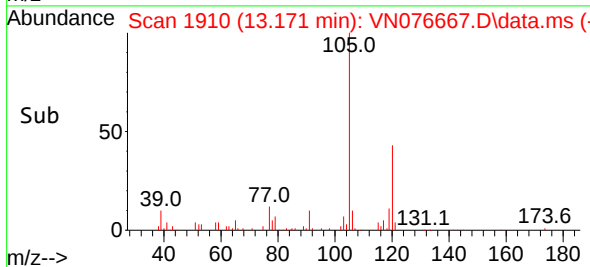
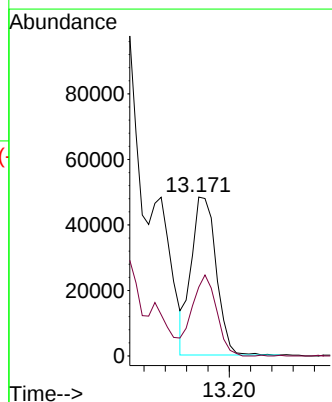
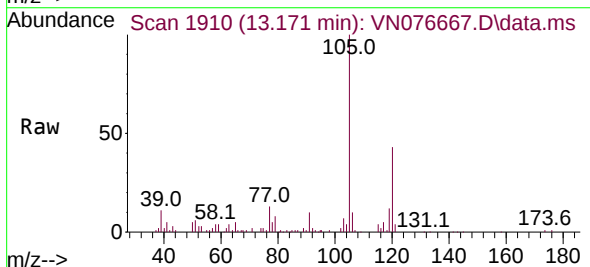
Manual Integrations
APPROVED

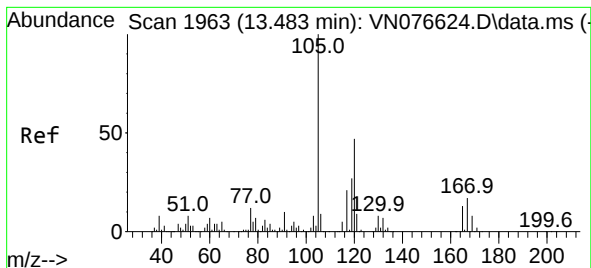
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#80
1,3,5-Trimethylbenzene
Concen: 5.364 ug/l
RT: 13.171 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

Tgt Ion:105 Resp: 78841
Ion Ratio Lower Upper
105 100
120 49.7 25.1 75.4





#84

1,2,4-Trimethylbenzene

Concen: 29.197 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VN076667.D

Acq: 14 Feb 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

1930

Tgt Ion:105 Resp: 427689

Ion Ratio Lower Upper

105 100

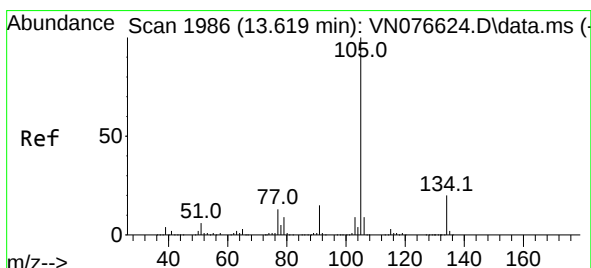
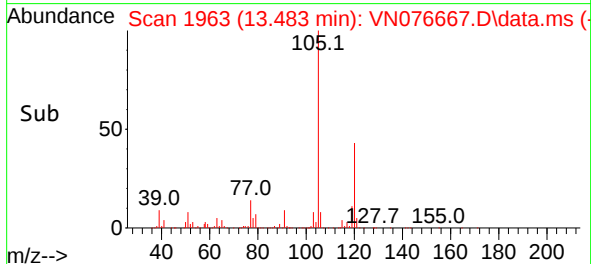
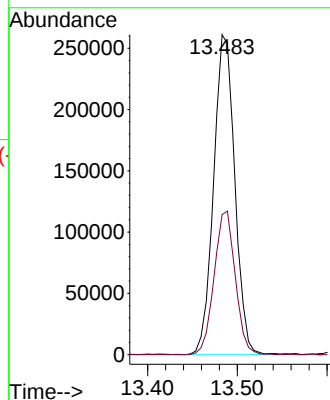
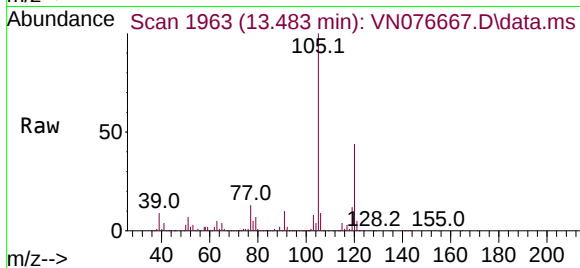
120 44.9 23.0 69.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2023

Supervised By :Mahesh Dadoda 02/15/2023



#85

sec-Butylbenzene

Concen: 0.731 ug/l m

RT: 13.618 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN076667.D

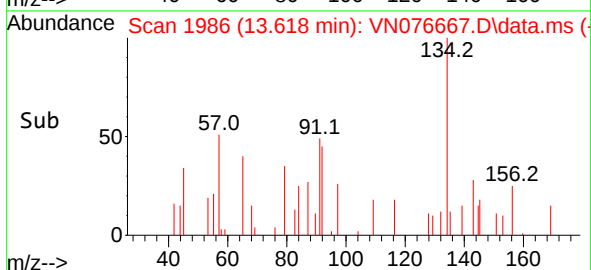
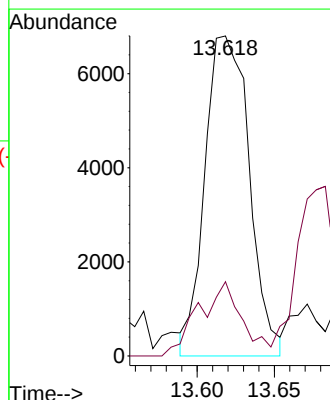
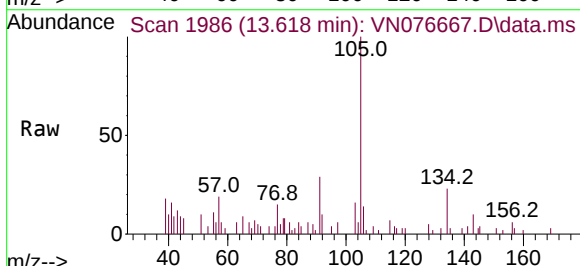
Acq: 14 Feb 2023 17:48

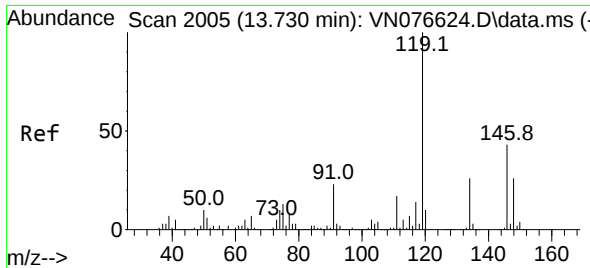
Tgt Ion:105 Resp: 13569

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.5#





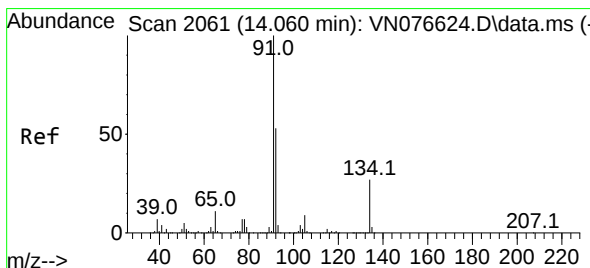
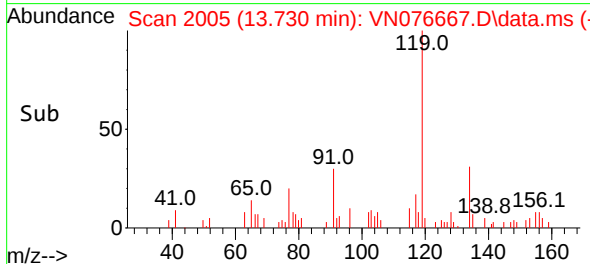
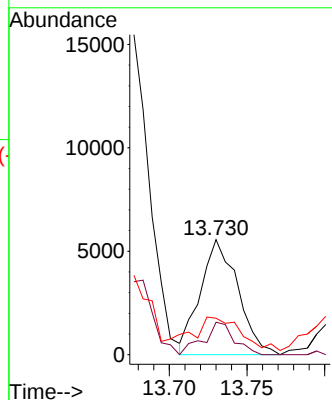
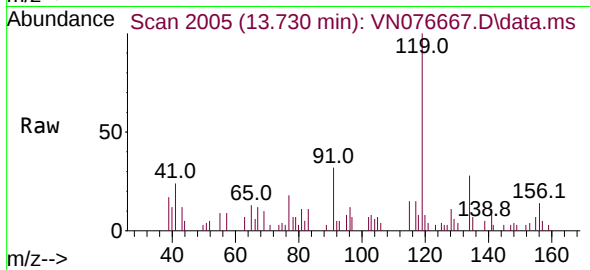
#86
p-Isopropyltoluene
Concen: 0.631 ug/l m
RT: 13.730 min Scan# 2005
Delta R.T. 0.000 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

Instrument :
MSVOA_N
ClientSampleId :
1930

Tgt Ion:119 Resp: 935
Ion Ratio Lower Upper
119 100
134 65.6 13.4 40.1
91 72.7 11.7 35.0

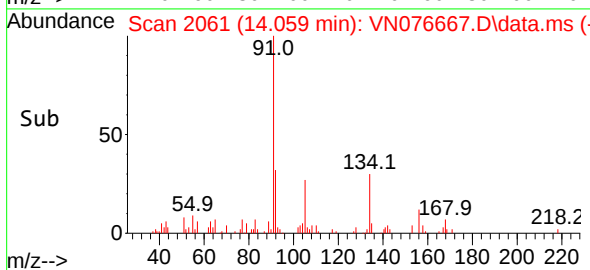
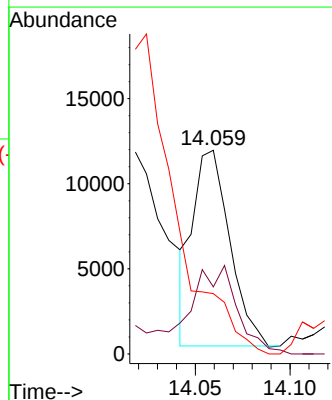
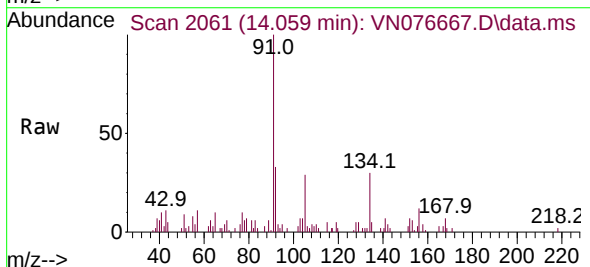
Manual Integrations
APPROVED

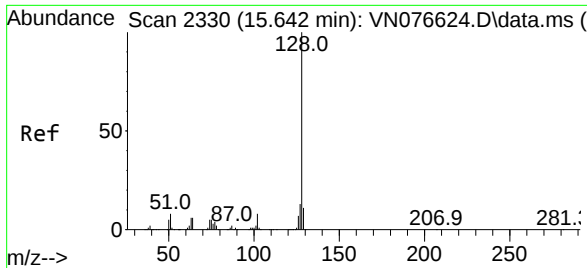
Reviewed By :John Carlone 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#89
n-Butylbenzene
Concen: 1.209 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.001 min
Lab File: VN076667.D
Acq: 14 Feb 2023 17:48

Tgt Ion: 91 Resp: 15584
Ion Ratio Lower Upper
91 100
92 54.4 26.4 79.0
134 0.0 13.2 39.5





#95

Naphthalene

Concen: 6.738 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076667.D

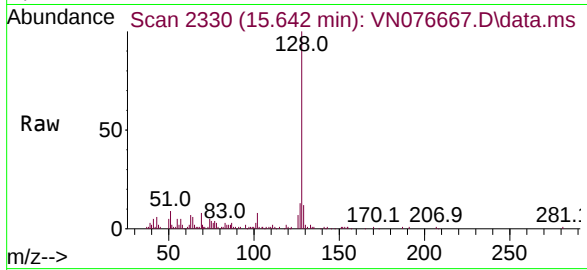
Acq: 14 Feb 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

1930



Tgt Ion:128 Resp: 87708

Ion Ratio Lower Upper

128 100

127 11.8 10.6 16.0

129 13.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2023

Supervised By :Mahesh Dadoda 02/15/2023

