

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
 Data File : VN072461.D
 Acq On : 12 May 2022 18:33
 Operator : JC\MD
 Sample : N2800-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GES-2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 02:47:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	204686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	322540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	292372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	133624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	162988	51.988	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.980%			
35) Dibromofluoromethane	8.022	113	108445	50.537	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.080%			
50) Toluene-d8	10.439	98	407727	49.890	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.780%			
62) 4-Bromofluorobenzene	12.727	95	143258	52.782	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.560%			
Target Compounds					Qvalue	
16) Acetone	4.257	43	37574	30.262	ug/l #	51
25) 2-Butanone	7.334	43	12721	6.492	ug/l #	85
31) Cyclohexane	8.092	56	134961	32.488	ug/l #	88
39) Methylcyclohexane	9.457	83	125925	36.354	ug/l	93
52) Toluene	10.498	92	10142	1.786	ug/l	99
67) Ethyl Benzene	11.839	91	58302	5.657	ug/l	95
68) m/p-Xylenes	11.945	106	526460	134.683	ug/l	91
69) o-Xylene	12.274	106	561256	146.138	ug/l	93
73) Isopropylbenzene	12.574	105	115113	10.399	ug/l	98
78) n-propylbenzene	12.916	91	69905	5.901	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	753817	83.146	ug/l	94
84) 1,2,4-Trimethylbenzene	13.363	105	2016865	228.686	ug/l	96
85) sec-Butylbenzene	13.498	105	41408m	3.912	ug/l	
86) p-Isopropyltoluene	13.610	119	26772	3.247	ug/l	94
89) n-Butylbenzene	13.939	91	42127m	6.684	ug/l	
95) Naphthalene	15.498	128	352143	54.812	ug/l	99

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

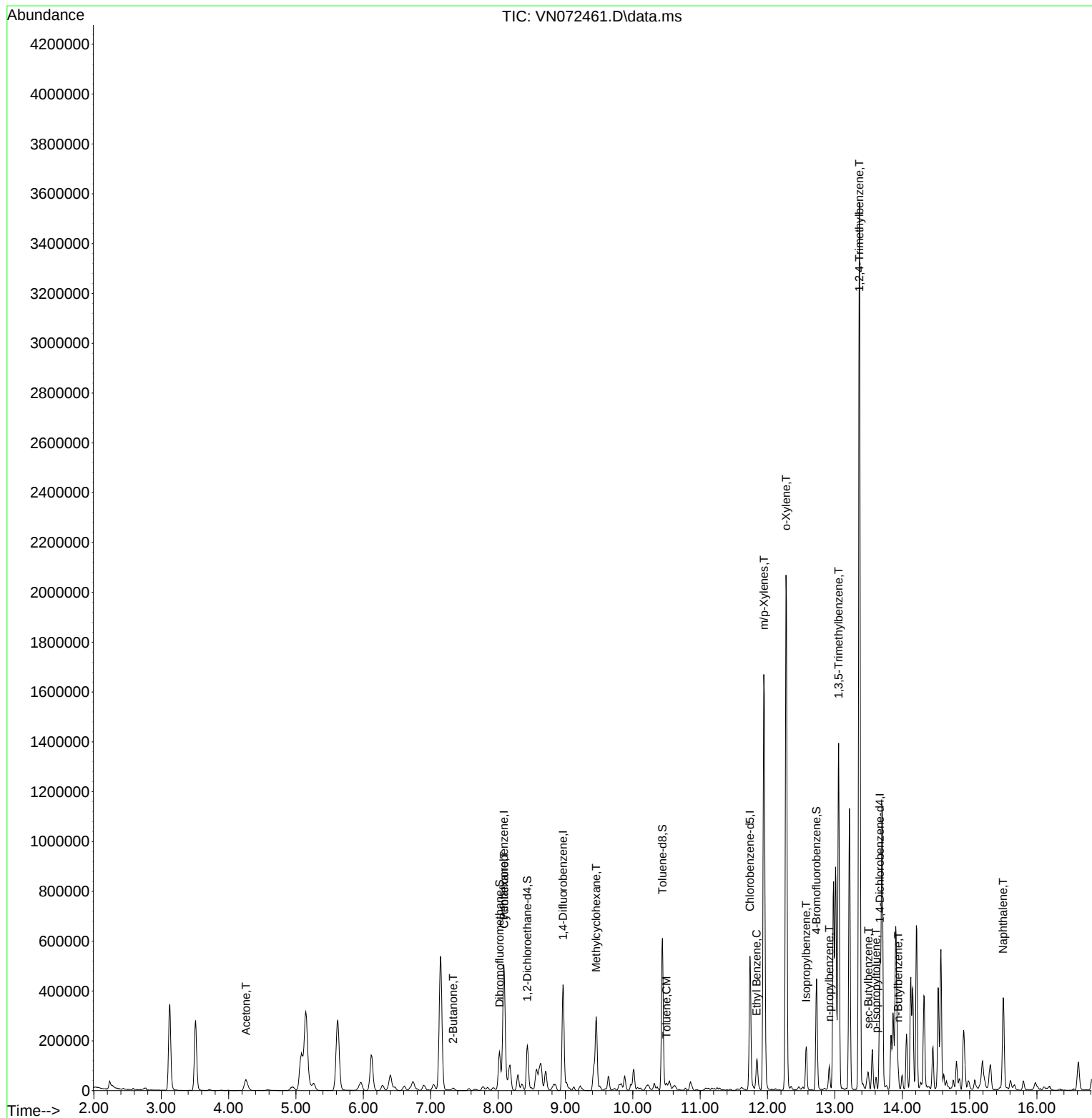
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051222\
Data File : VN072461.D
Acq On : 12 May 2022 18:33
Operator : JC\MD
Sample : N2800-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

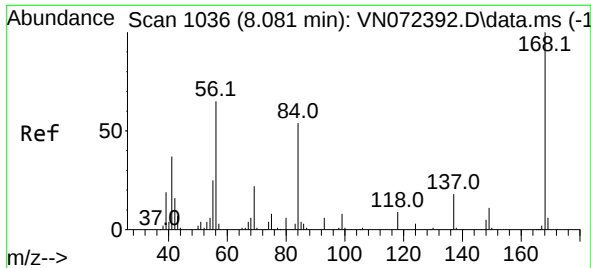
Instrument :
MSVOA_N
ClientSampleId :
GES-2

Quant Time: May 13 02:47:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
Quant Title : SW846 8260
QLast Update : Tue May 10 15:43:28 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

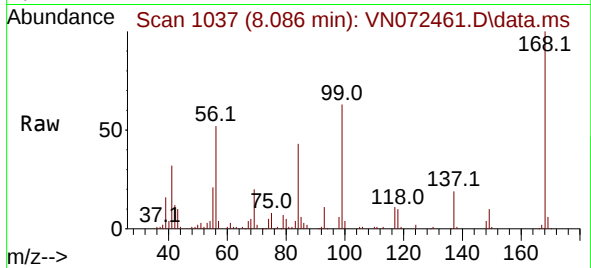
Reviewed By : John Carlone 05/13/2022
Supervised By : Mahesh Dadoda 05/13/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.005 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

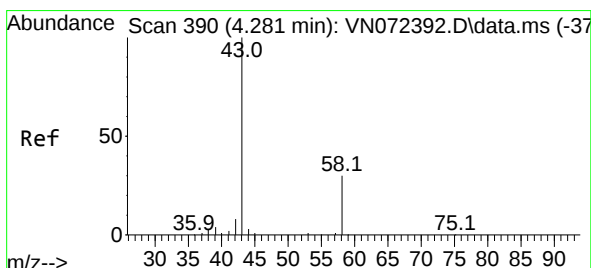
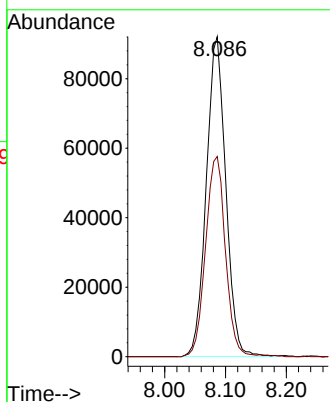
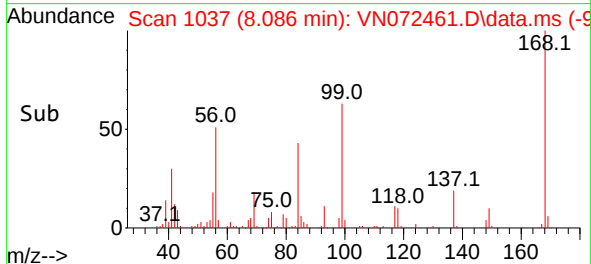
Instrument :
MSVOA_N
ClientSampleId :
GES-2



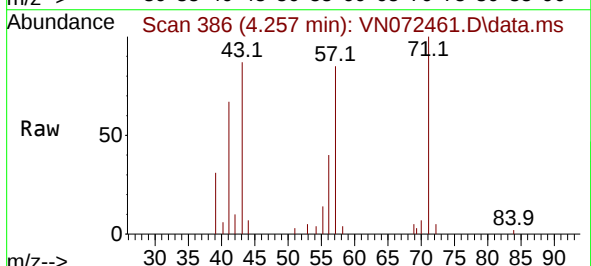
Tgt Ion:168 Resp: 204680
Ion Ratio Lower Upper
168 100
99 62.6 42.3 63.5

Manual Integrations
APPROVED

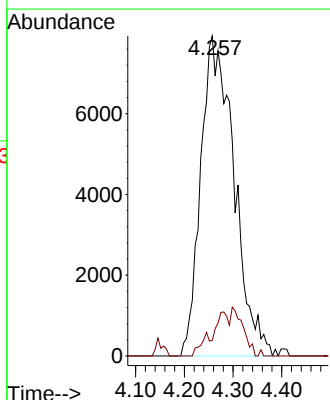
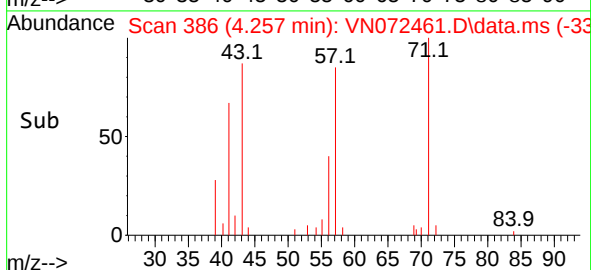
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

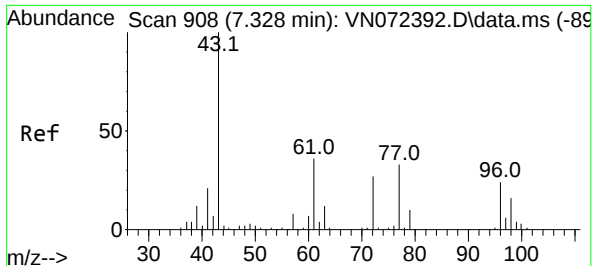


#16
Acetone
Concen: 30.262 ug/l
RT: 4.257 min Scan# 386
Delta R.T. -0.024 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33



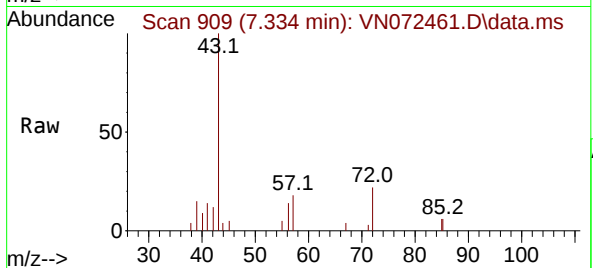
Tgt Ion: 43 Resp: 37574
Ion Ratio Lower Upper
43 100
58 4.8 26.0 39.0#





#25
2-Butanone
Concen: 6.492 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

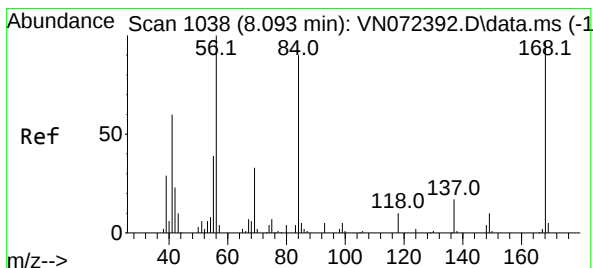
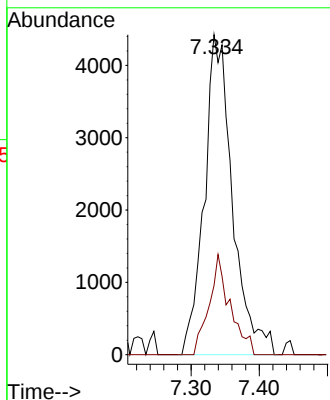
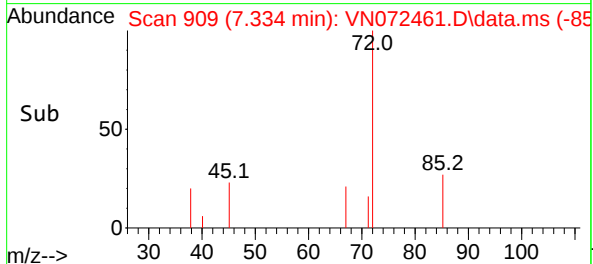
Instrument :
MSVOA_N
ClientSampleId :
GES-2



Tgt Ion: 43 Resp: 1272
Ion Ratio Lower Upper
43 100
72 21.6 23.7 35.5

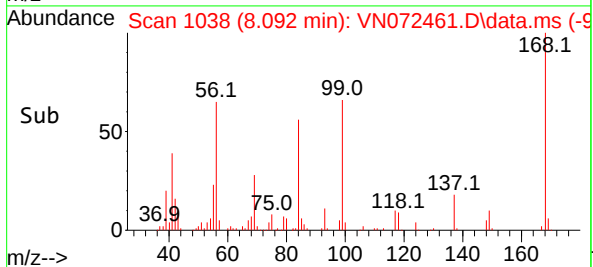
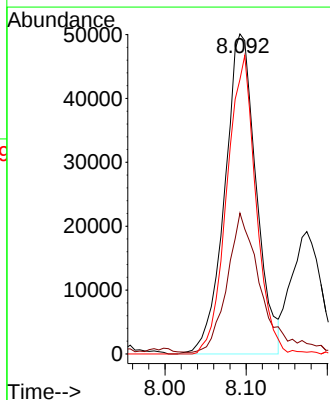
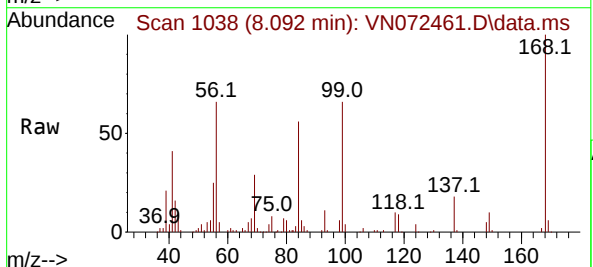
Manual Integrations
APPROVED

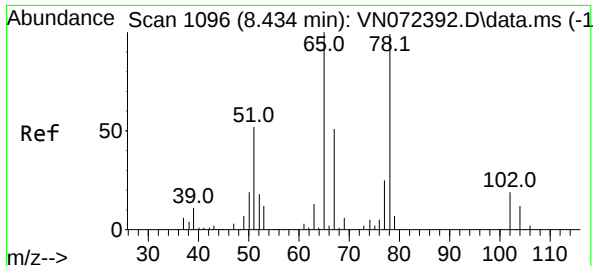
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#31
Cyclohexane
Concen: 32.488 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. -0.001 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

Tgt Ion: 56 Resp: 134961
Ion Ratio Lower Upper
56 100
69 43.4 27.8 41.8#
84 85.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 51.988 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072461.D

Acq: 12 May 2022 18:33

Instrument :

MSVOA_N

ClientSampleId :

GES-2

Tgt Ion: 65 Resp: 16298

Ion Ratio Lower Upper

65 100

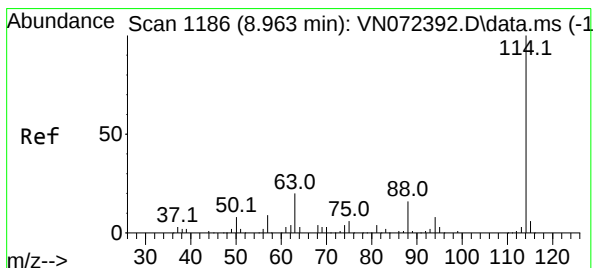
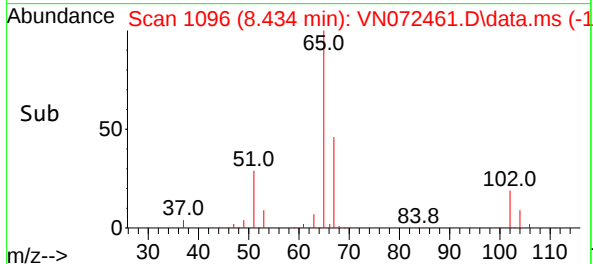
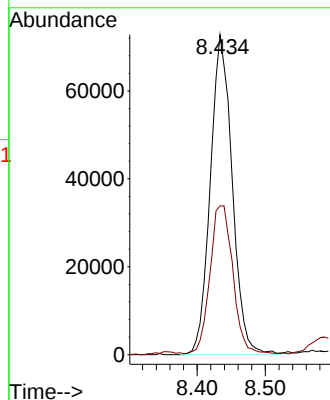
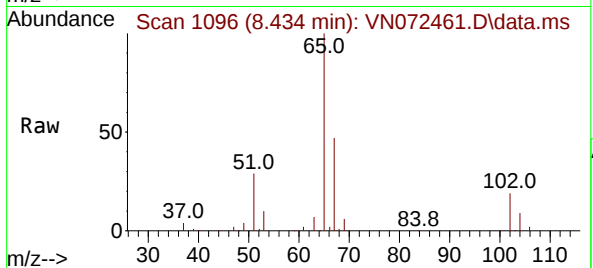
67 48.1 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2022

Supervised By :Mahesh Dadoda 05/13/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072461.D

Acq: 12 May 2022 18:33

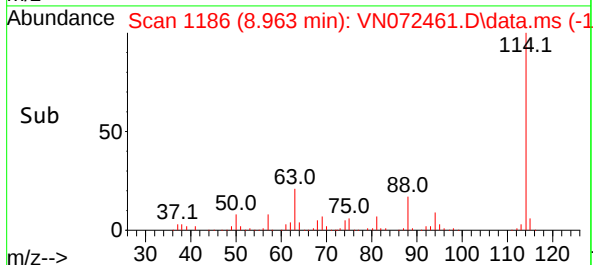
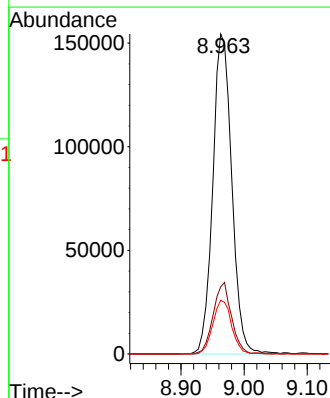
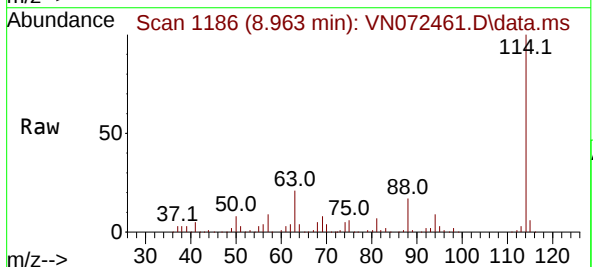
Tgt Ion:114 Resp: 322540

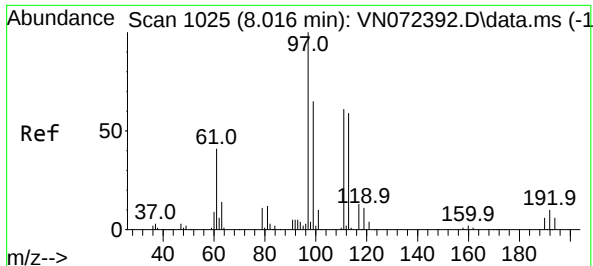
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.537 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072461.D

Acq: 12 May 2022 18:33

Instrument :

MSVOA_N

ClientSampleId :

GES-2

Tgt Ion:113 Resp: 10844

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

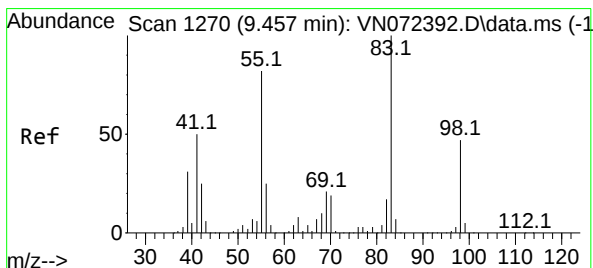
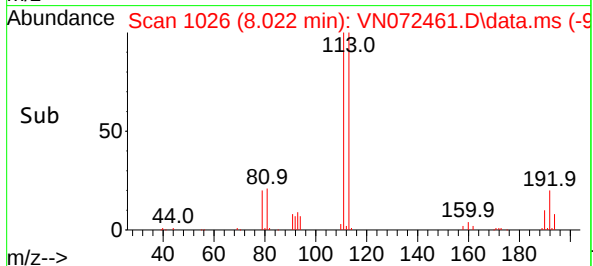
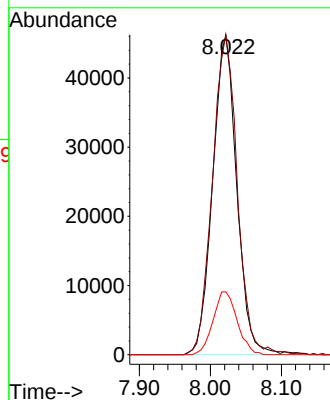
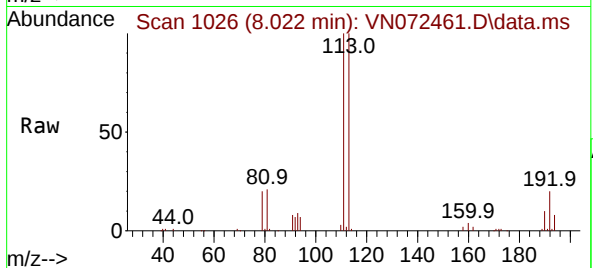
192 19.7 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2022

Supervised By :Mahesh Dadoda 05/13/2022



#39

Methylcyclohexane

Concen: 36.354 ug/l

RT: 9.457 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VN072461.D

Acq: 12 May 2022 18:33

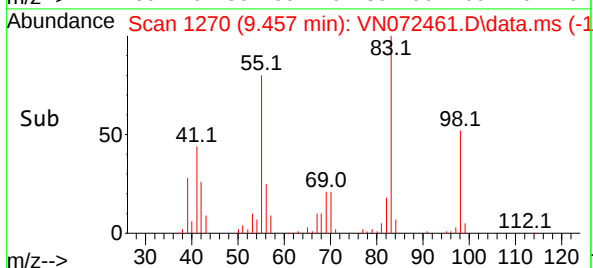
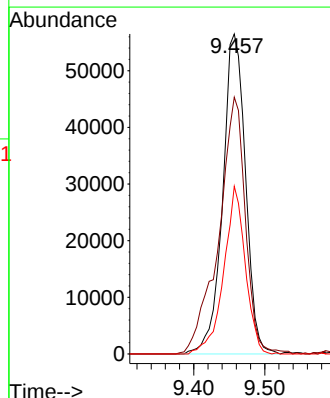
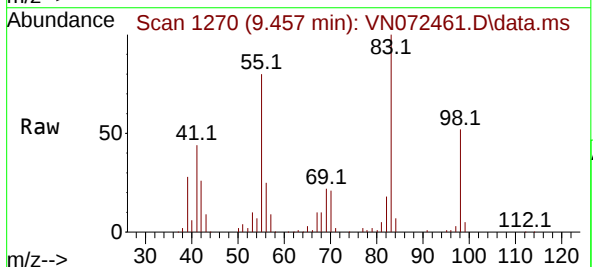
Tgt Ion: 83 Resp: 125925

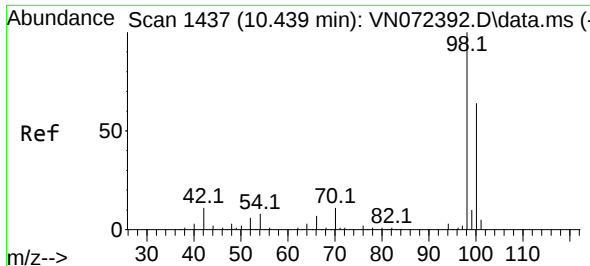
Ion Ratio Lower Upper

83 100

55 79.9 57.8 86.8

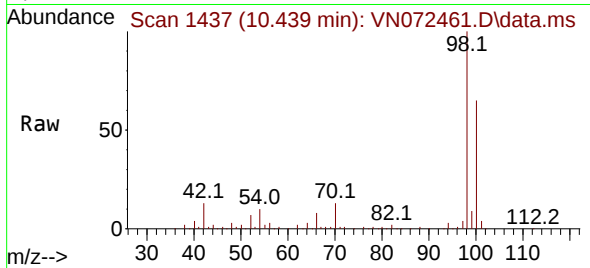
98 52.4 39.4 59.2





#50
Toluene-d8
Concen: 49.890 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

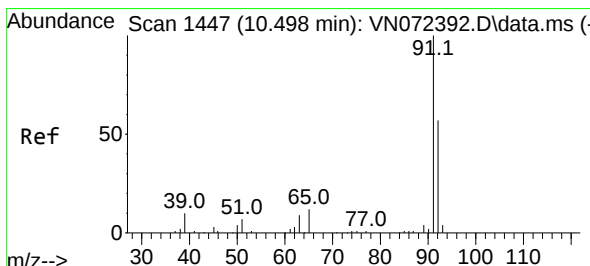
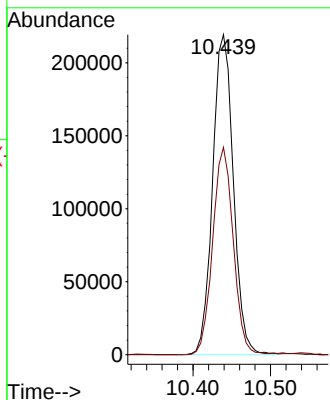
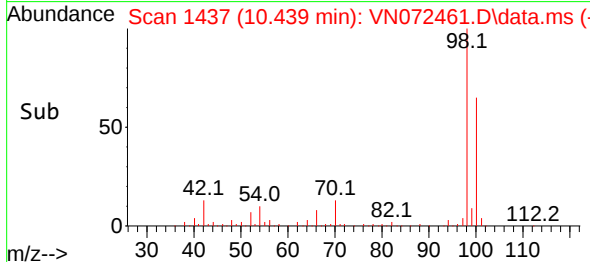
Instrument :
MSVOA_N
ClientSampleId :
GES-2



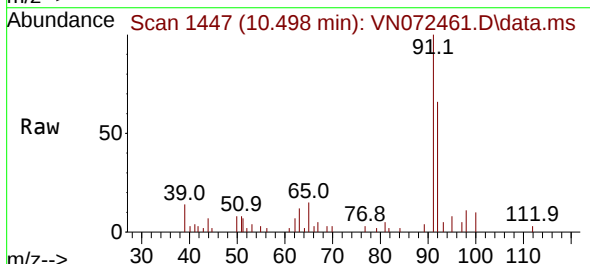
Tgt Ion: 98 Resp: 40772
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8

Manual Integrations
APPROVED

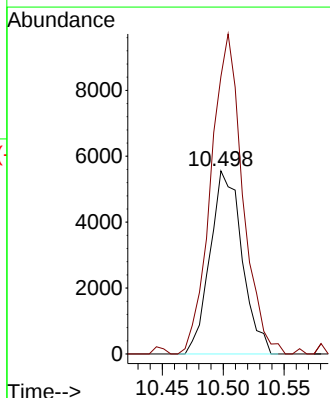
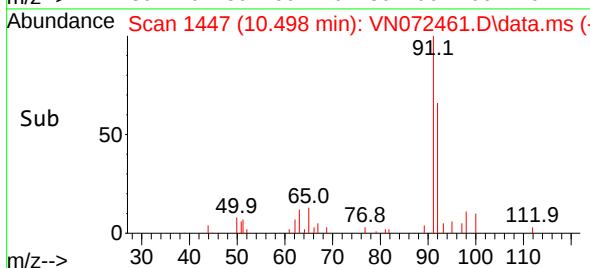
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

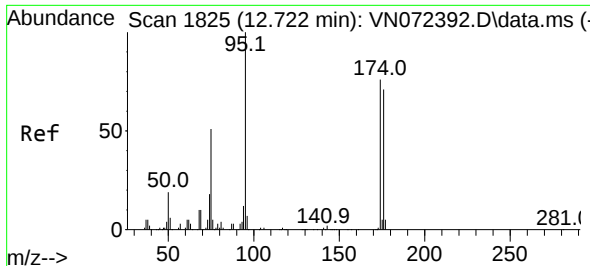


#52
Toluene
Concen: 1.786 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33



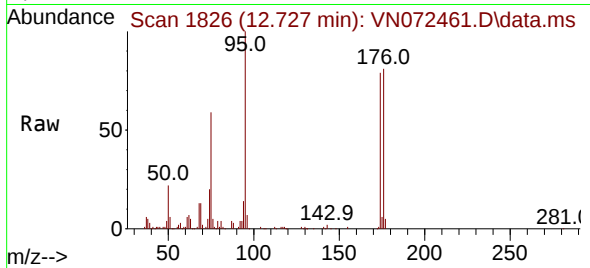
Tgt Ion: 92 Resp: 10142
Ion Ratio Lower Upper
92 100
91 174.4 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 52.782 ug/l
RT: 12.727 min Scan# 1825
Delta R.T. 0.005 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

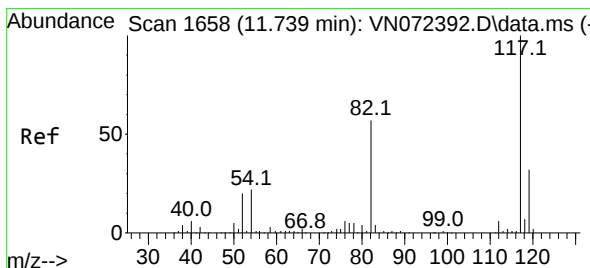
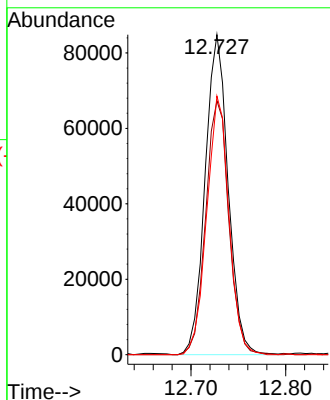
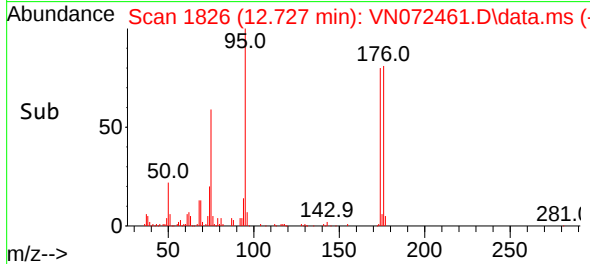
Instrument :
MSVOA_N
ClientSampleId :
GES-2



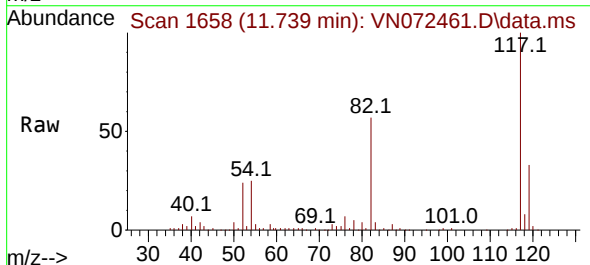
Tgt Ion: 95 Resp: 143258
Ion Ratio Lower Upper
95 100
174 79.8 0.0 167.6
176 78.1 0.0 163.4

Manual Integrations
APPROVED

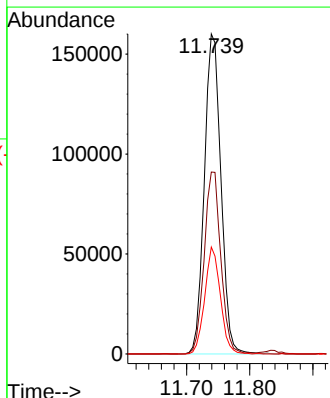
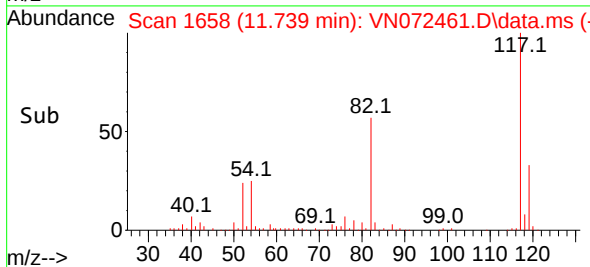
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022

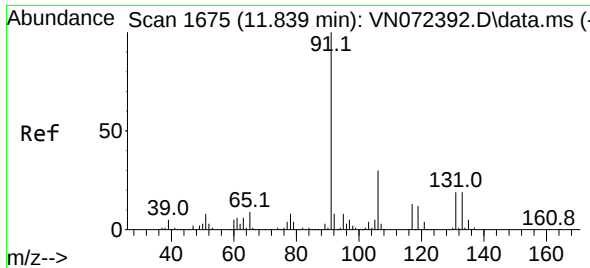


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33



Tgt Ion:117 Resp: 292372
Ion Ratio Lower Upper
117 100
82 56.9 44.2 66.2
119 33.4 25.4 38.0





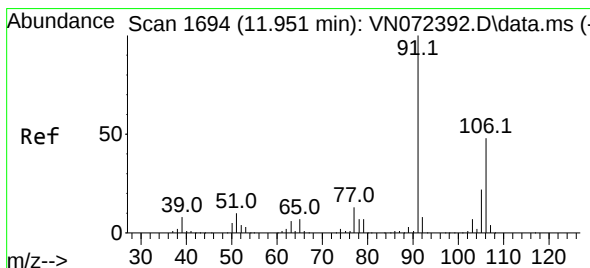
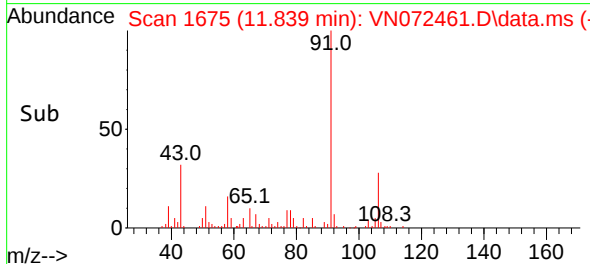
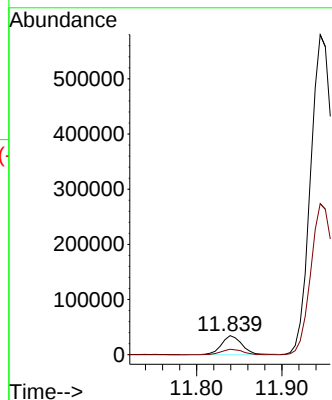
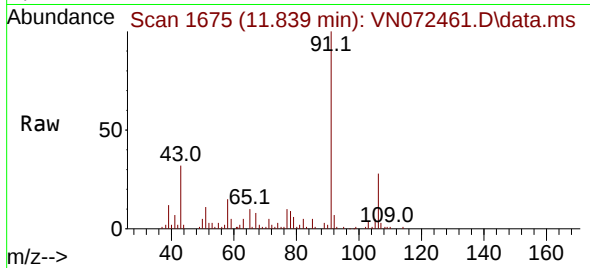
#67
Ethyl Benzene
Concen: 5.657 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

Instrument :
MSVOA_N
ClientSampleId :
GES-2

Tgt Ion: 91 Resp: 58302
Ion Ratio Lower Upper
91 100
106 28.3 24.9 37.3

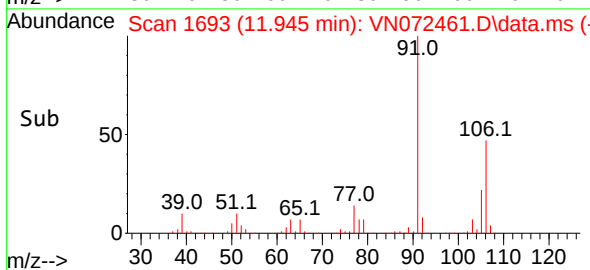
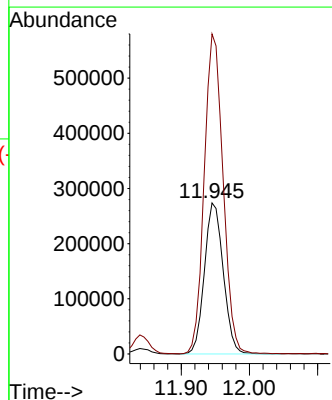
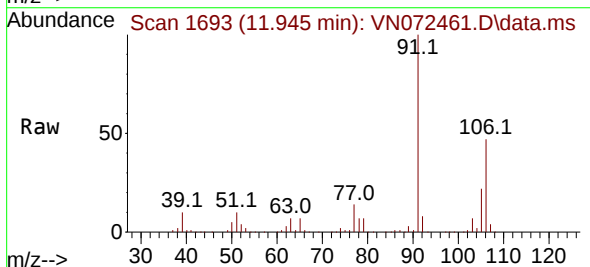
Manual Integrations
APPROVED

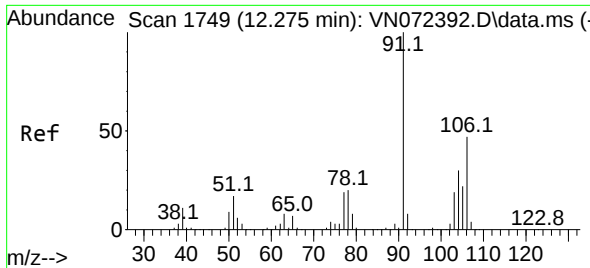
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#68
m/p-Xylenes
Concen: 134.683 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

Tgt Ion:106 Resp: 526460
Ion Ratio Lower Upper
106 100
91 211.7 158.9 238.3





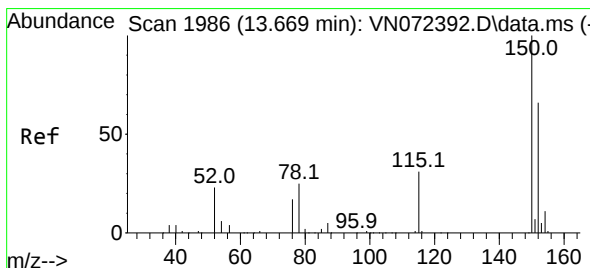
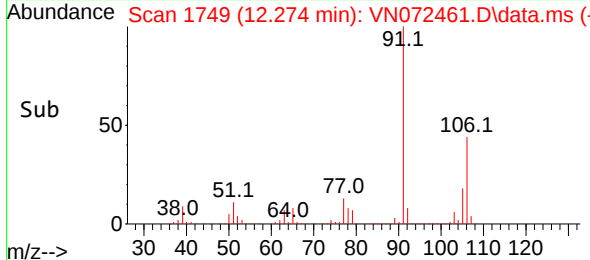
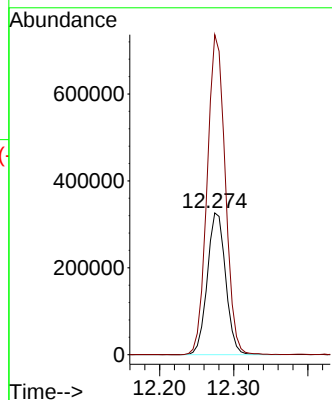
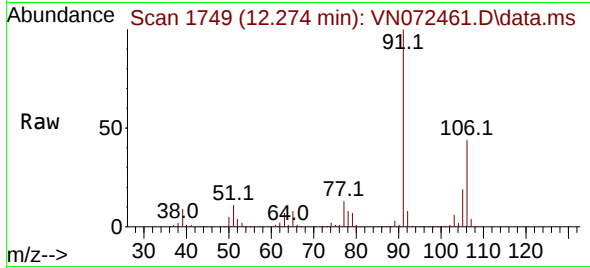
#69
o-Xylene
Concen: 146.138 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

Instrument :
MSVOA_N
ClientSampleId :
GES-2

Tgt Ion:106 Resp: 561250
Ion Ratio Lower Upper
106 100
91 222.9 106.0 318.0

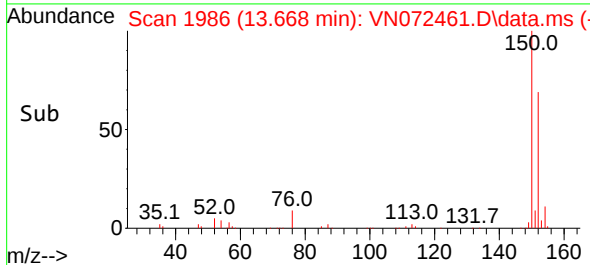
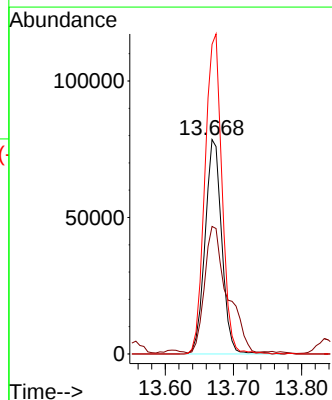
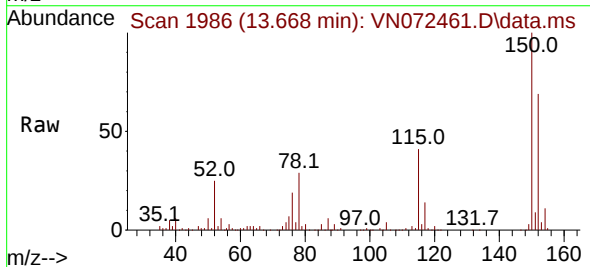
Manual Integrations
APPROVED

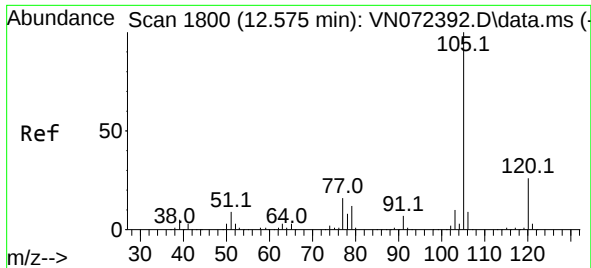
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

Tgt Ion:152 Resp: 133624
Ion Ratio Lower Upper
152 100
115 80.7 28.9 86.7
150 152.3 0.0 356.2





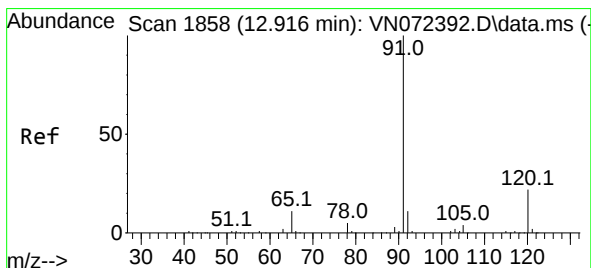
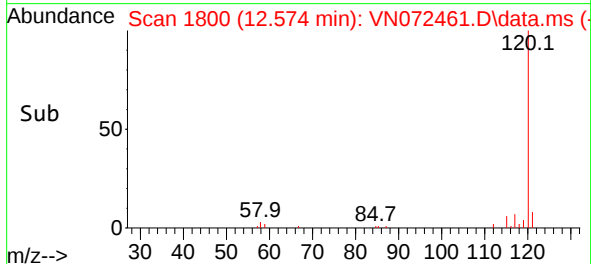
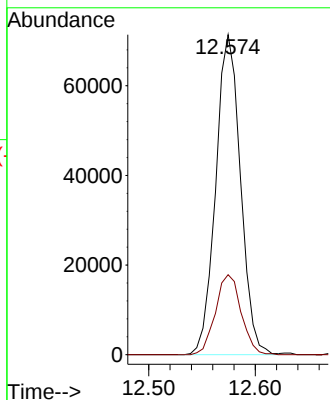
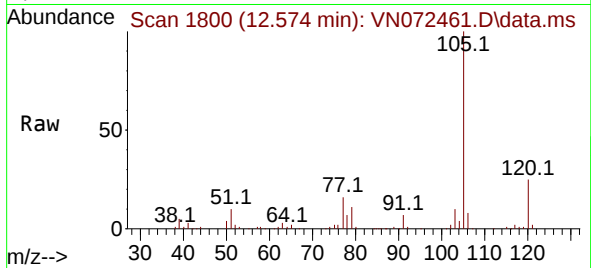
#73
Isopropylbenzene
Concen: 10.399 ug/l
RT: 12.574 min Scan# 11511
Delta R.T. -0.001 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

Instrument :
MSVOA_N
ClientSampleId :
GES-2

Tgt Ion:105 Resp: 11511
Ion Ratio Lower Upper
105 100
120 25.9 13.5 40.4

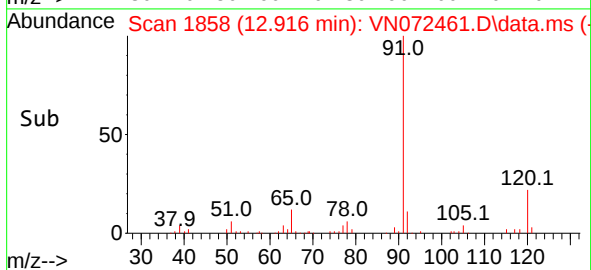
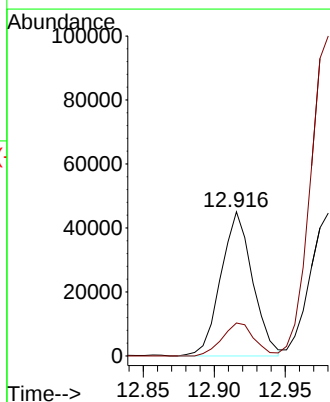
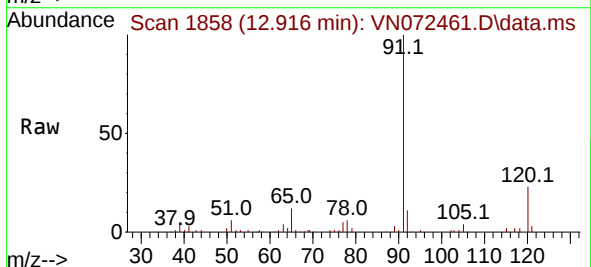
Manual Integrations
APPROVED

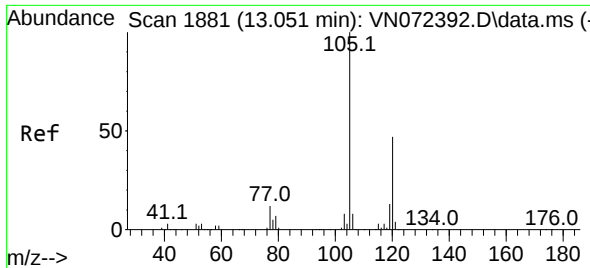
Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#78
n-propylbenzene
Concen: 5.901 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

Tgt Ion: 91 Resp: 69905
Ion Ratio Lower Upper
91 100
120 23.4 11.9 35.5





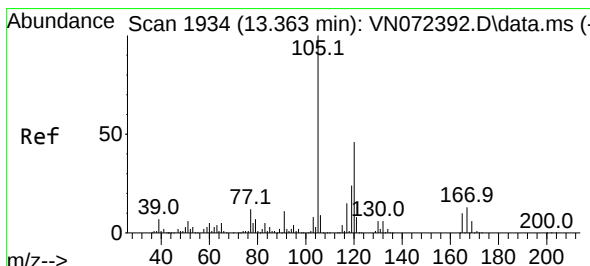
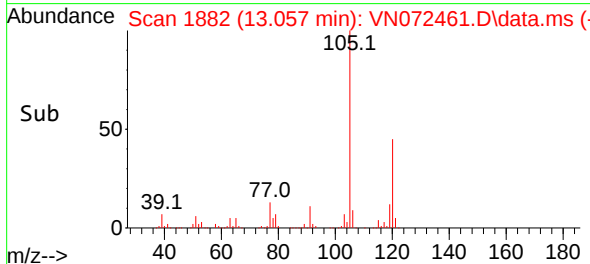
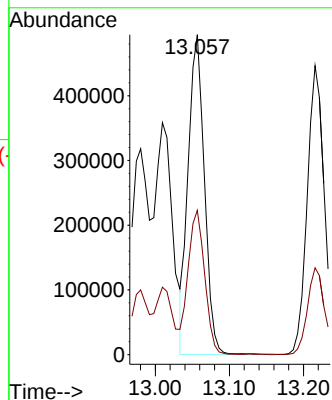
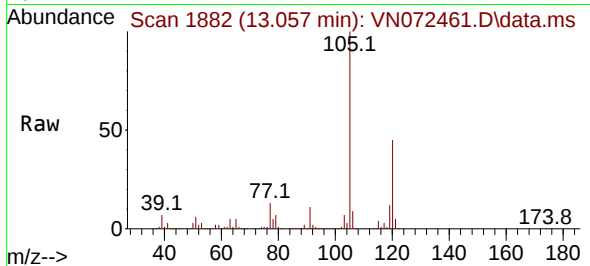
#80
 1,3,5-Trimethylbenzene
 Concen: 83.146 ug/l
 RT: 13.057 min Scan# 1881
 Delta R.T. 0.006 min
 Lab File: VN072461.D
 Acq: 12 May 2022 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 GES-2

Tgt Ion:105 Resp: 75381
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.9 74.7

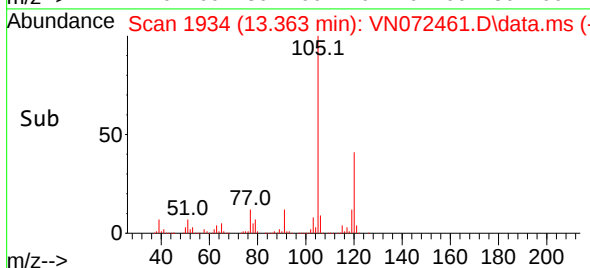
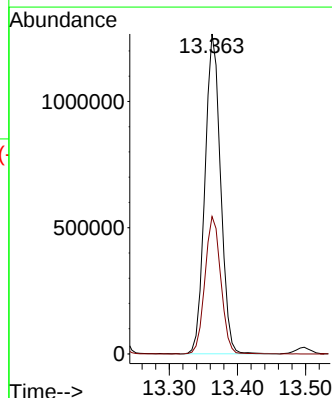
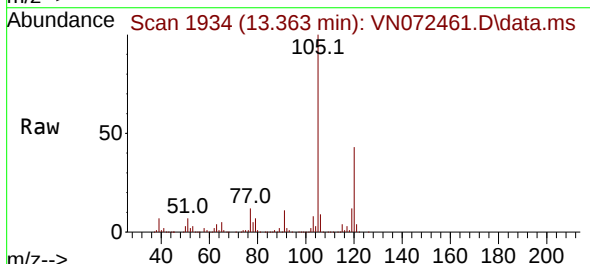
Manual Integrations
 APPROVED

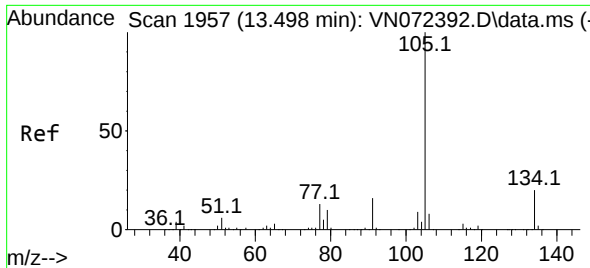
Reviewed By :John Carlone 05/13/2022
 Supervised By :Mahesh Dadoda 05/13/2022



#84
 1,2,4-Trimethylbenzene
 Concen: 228.686 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: VN072461.D
 Acq: 12 May 2022 18:33

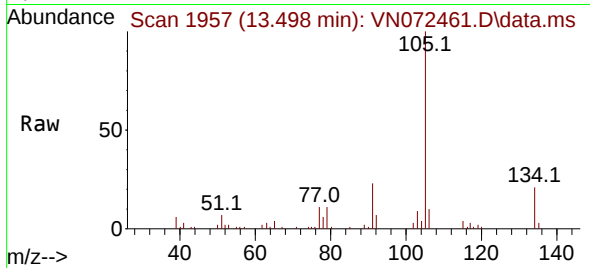
Tgt Ion:105 Resp: 2016865
 Ion Ratio Lower Upper
 105 100
 120 43.7 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 3.912 ug/l m
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN072461.D
 Acq: 12 May 2022 18:33

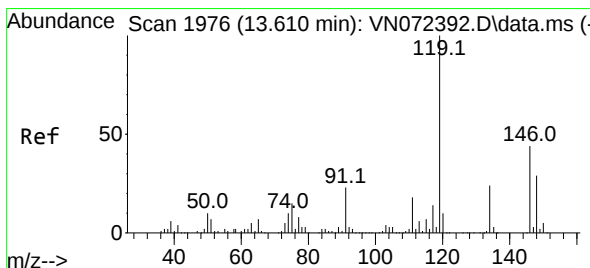
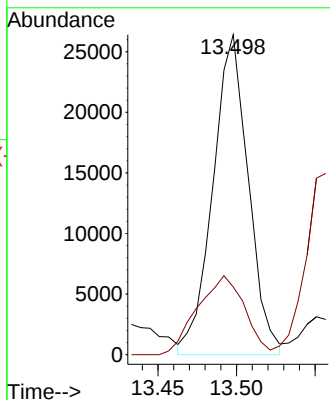
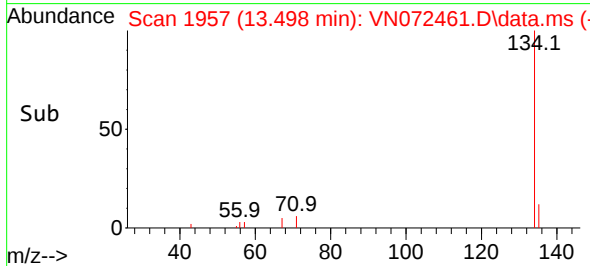
Instrument :
 MSVOA_N
 ClientSampleId :
 GES-2



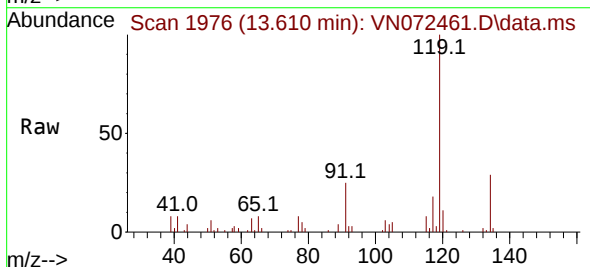
Tgt Ion:105 Resp: 41408
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

Manual Integrations
 APPROVED

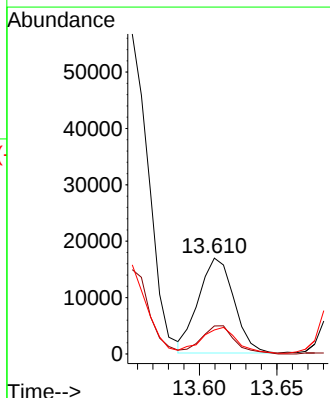
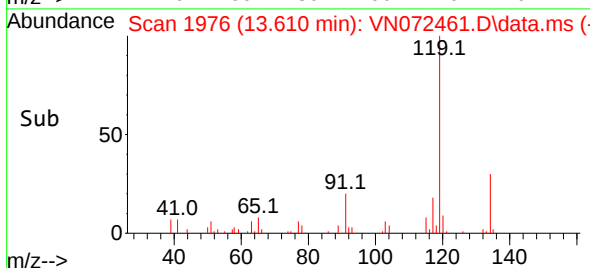
Reviewed By :John Carlone 05/13/2022
 Supervised By :Mahesh Dadoda 05/13/2022

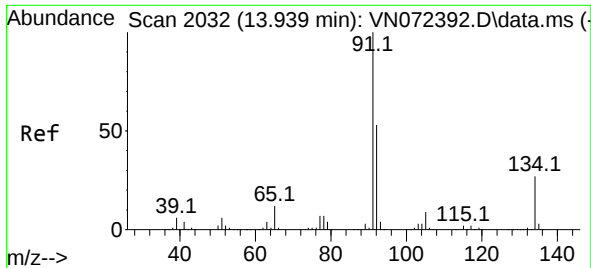


#86
 p-Isopropyltoluene
 Concen: 3.247 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN072461.D
 Acq: 12 May 2022 18:33



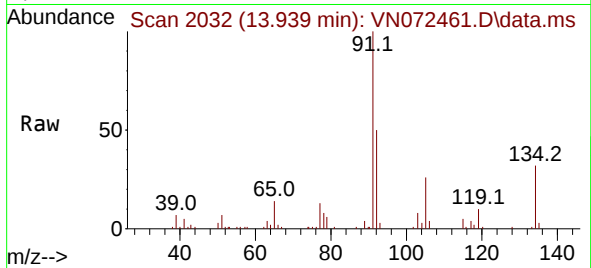
Tgt Ion:119 Resp: 26772
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.3 39.8
 91 26.8 11.3 33.9





#89
n-Butylbenzene
Concen: 6.684 ug/l m
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

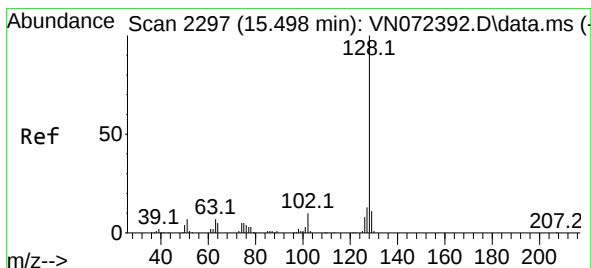
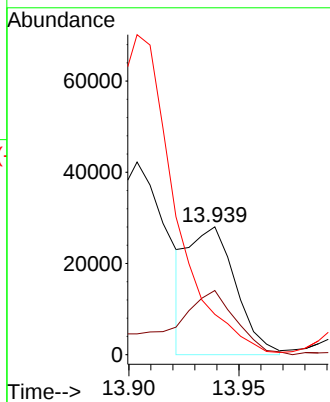
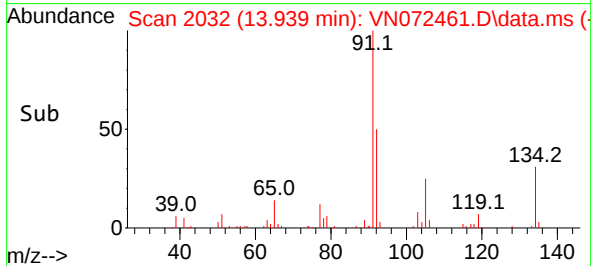
Instrument :
MSVOA_N
ClientSampleId :
GES-2



Tgt Ion: 91 Resp: 4212
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.7
134 324.1 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/13/2022
Supervised By :Mahesh Dadoda 05/13/2022



#95
Naphthalene
Concen: 54.812 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072461.D
Acq: 12 May 2022 18:33

Tgt Ion:128 Resp: 352143
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.2 8.6 13.0

