

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072774.D
 Acq On : 10 Jun 2022 19:01
 Operator : JC\MD
 Sample : N3293-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40810

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2022
 Supervised By : Mahesh Dadoda 06/13/2022

Quant Time: Jun 11 01:56:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.087	168	164002	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	318143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	291837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	126395	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	239363	54.380	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.760%			
35) Dibromofluoromethane	8.016	113	176919	56.201	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 112.400%			
50) Toluene-d8	10.439	98	566919	45.138	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 90.280%			
62) 4-Bromofluorobenzene	12.727	95	245047	56.857	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 113.720%			
Target Compounds						Qvalue
16) Acetone	4.281	43	515308	244.317	ug/l	90
18) Methyl Acetate	4.863	43	10127	1.845	ug/l #	65
19) Methyl tert-butyl Ether	5.616	73	9882	0.923	ug/l	97
20) Methylene Chloride	5.093	84	2386	0.583	ug/l	94
22) Diisopropyl ether	6.498	45	11445	1.034	ug/l #	84
25) 2-Butanone	7.340	43	91197	26.879	ug/l #	85
40) Benzene	8.457	78	245546	18.518	ug/l	96
52) Toluene	10.504	92	1313127	158.610	ug/l	99
59) 2-Hexanone	11.086	43	5386	1.064	ug/l	70
67) Ethyl Benzene	11.839	91	459770	31.443	ug/l	98
68) m/p-Xylenes	11.945	106	728339	140.161	ug/l	89
69) o-Xylene	12.275	106	618050	118.319	ug/l	90
73) Isopropylbenzene	12.575	105	20850	1.538	ug/l	97
78) n-propylbenzene	12.916	91	72651	4.908	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	223177	20.775	ug/l	94
84) 1,2,4-Trimethylbenzene	13.363	105	1199368	116.685	ug/l	96
85) sec-Butylbenzene	13.498	105	4659m	0.366	ug/l	
86) p-Isopropyltoluene	13.616	119	4601	0.459	ug/l #	74
89) n-Butylbenzene	13.933	91	7301m	0.865	ug/l	
95) Naphthalene	15.504	128	2463403	296.628	ug/l	99

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

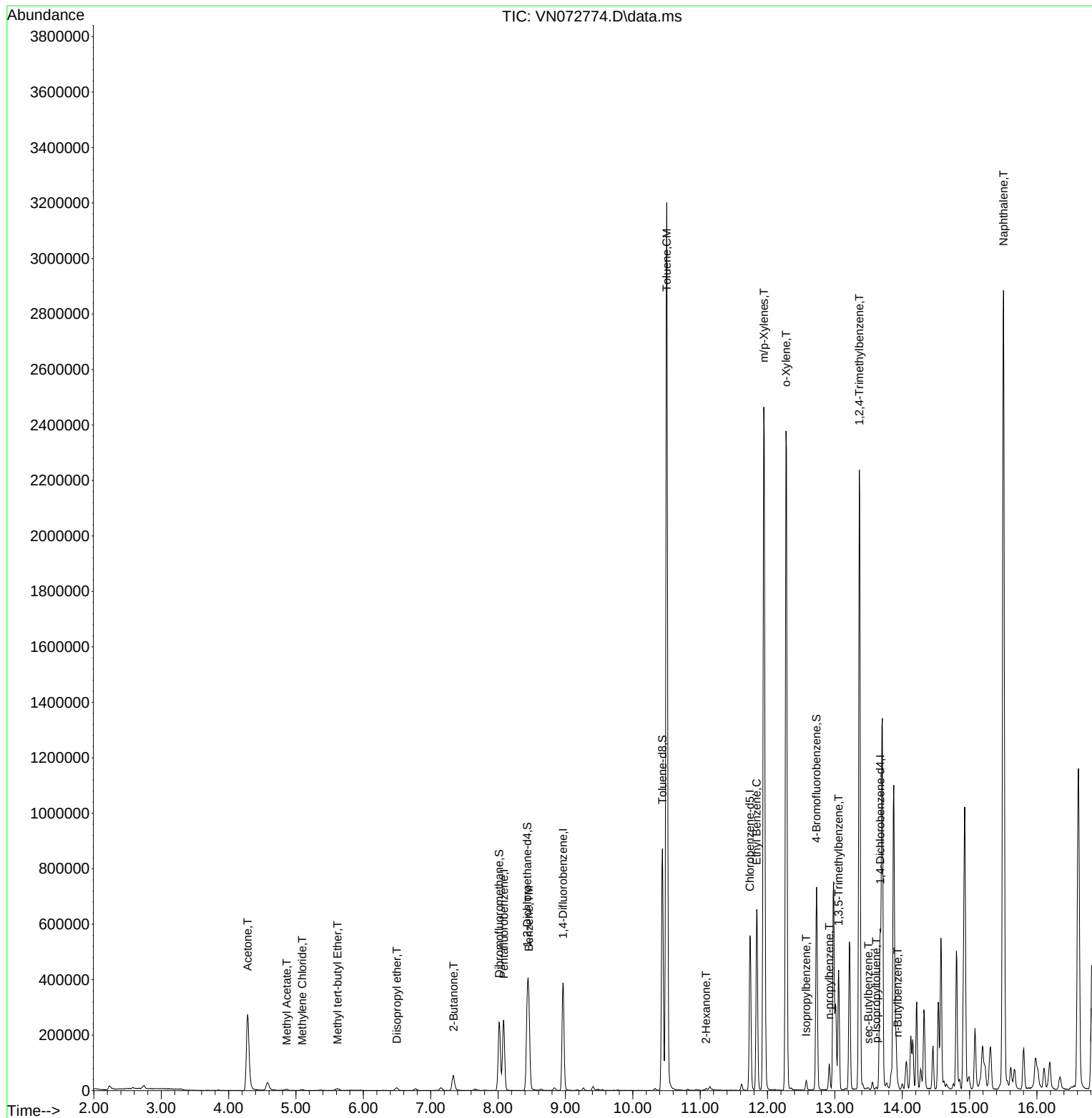
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
Data File : VN072774.D
Acq On : 10 Jun 2022 19:01
Operator : JC\MD
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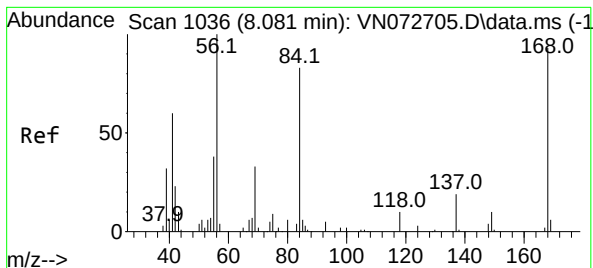
Instrument :
MSVOA_N
ClientSampleId :
40810

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Supervised By : Mahesh Dadoda 06/13/2022

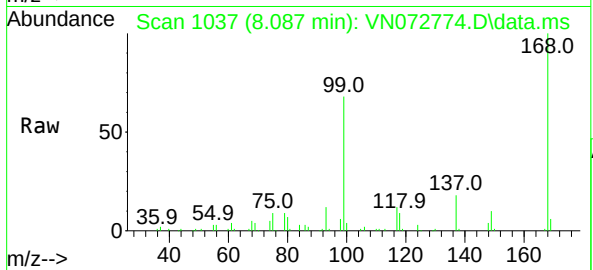
Quant Time: Jun 11 01:56:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 05:17:31 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

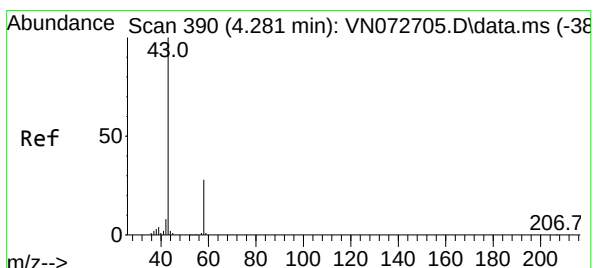
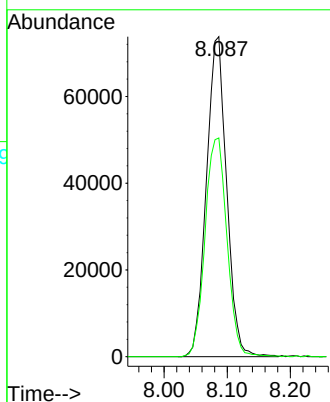
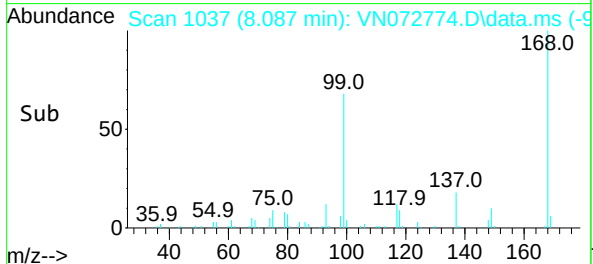
Instrument :
MSVOA_N
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Tgt Ion:168 Resp: 16400
Ion Ratio Lower Upper
168 100
99 68.4 42.3 63.5

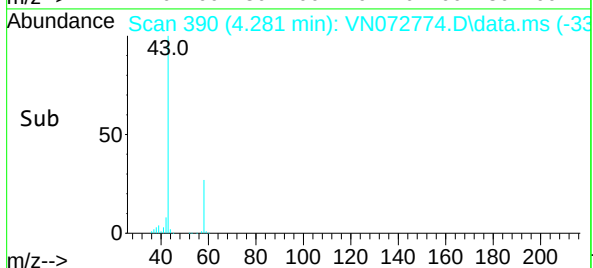
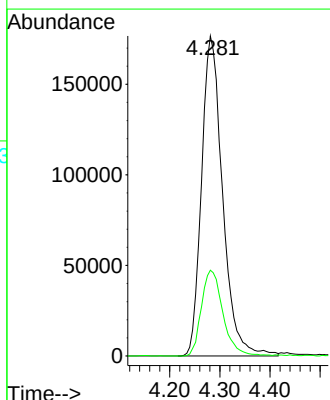
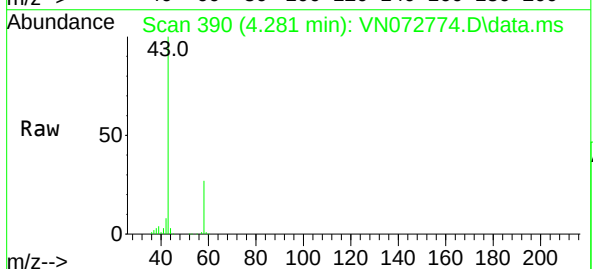
Manual Integrations
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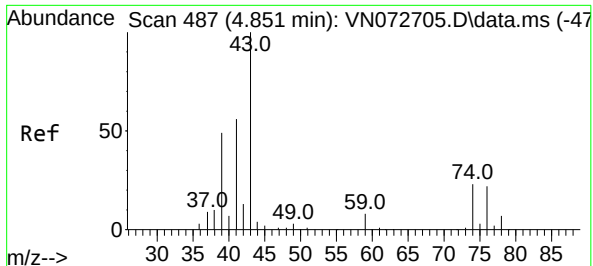
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#16
Acetone
Concen: 244.317 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.000 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

Tgt Ion: 43 Resp: 515308
Ion Ratio Lower Upper
43 100
58 26.8 26.0 39.0





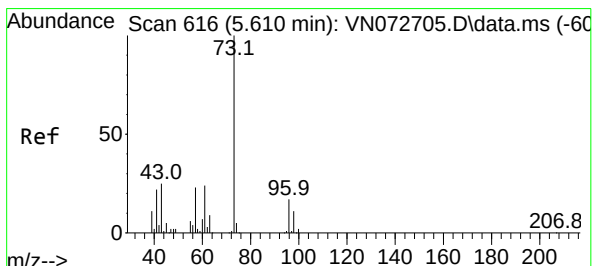
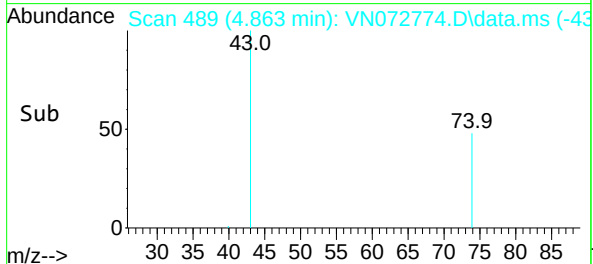
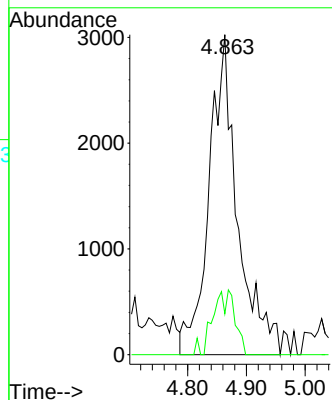
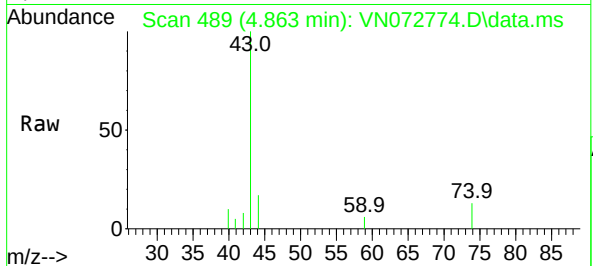
#18
Methyl Acetate
Concen: 1.845 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

Instrument :
MSVOA_N
ClientSampleId :
40810

Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
74 8.7 21.6 32.4

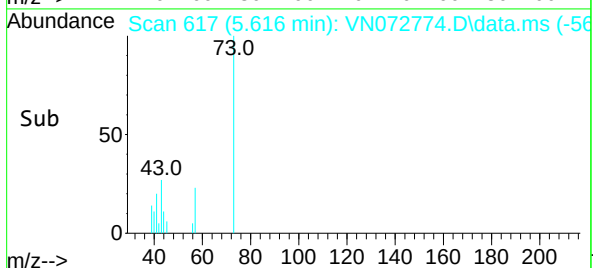
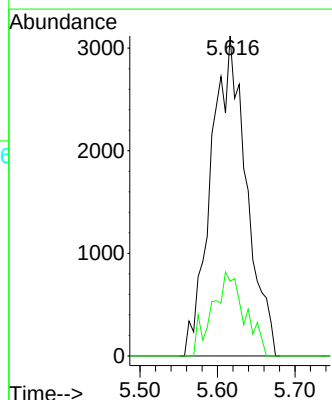
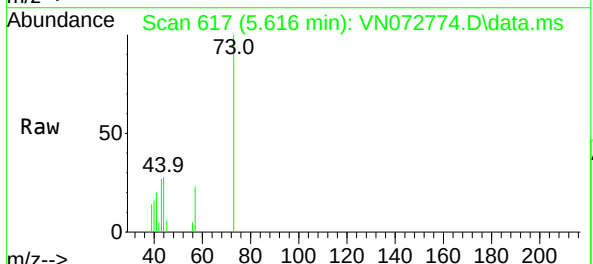
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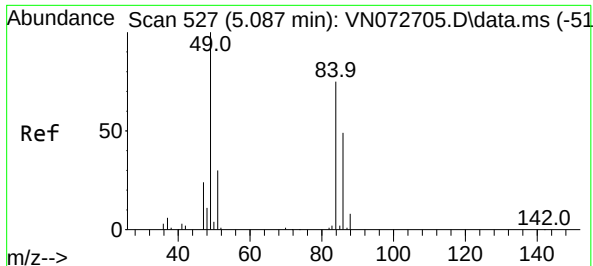
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#19
Methyl tert-butyl Ether
Concen: 0.923 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

Tgt Ion: 73 Resp: 9882
Ion Ratio Lower Upper
73 100
57 23.3 17.6 26.4





#20

Methylene Chloride

Concen: 0.583 ug/l

RT: 5.093 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN072774.D

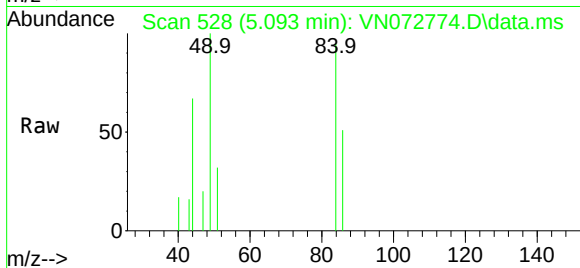
Acq: 10 Jun 2022 19:01

Instrument :

MSVOA_N

ClientSampleId :

40810



Tgt Ion: 84 Resp: 2386

Ion Ratio Lower Upper

84 100

49 105.8 88.3 132.5

51 34.2 28.2 42.2

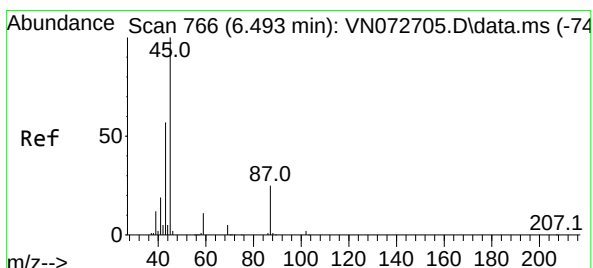
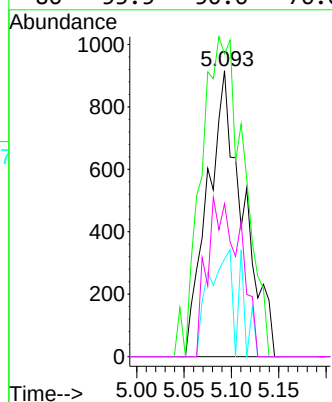
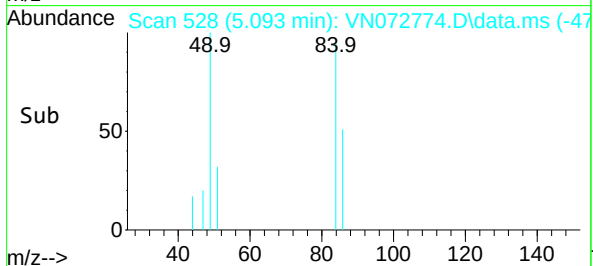
86 53.5 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 1.034 ug/l

RT: 6.498 min Scan# 767

Delta R.T. 0.005 min

Lab File: VN072774.D

Acq: 10 Jun 2022 19:01

Tgt Ion: 45 Resp: 11445

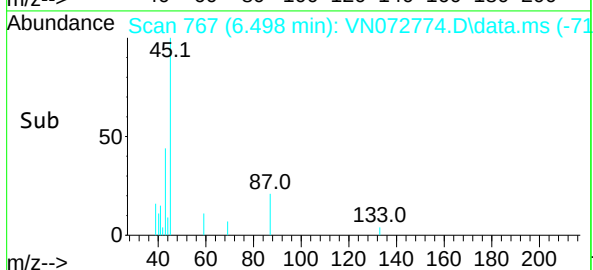
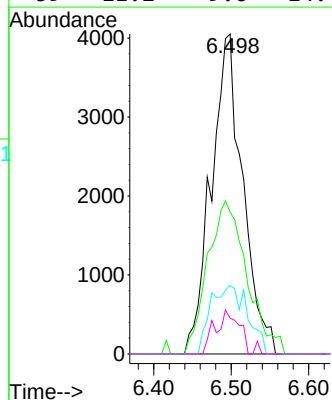
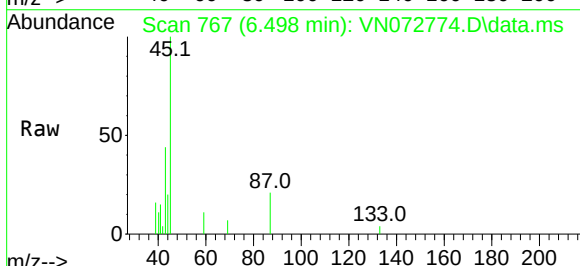
Ion Ratio Lower Upper

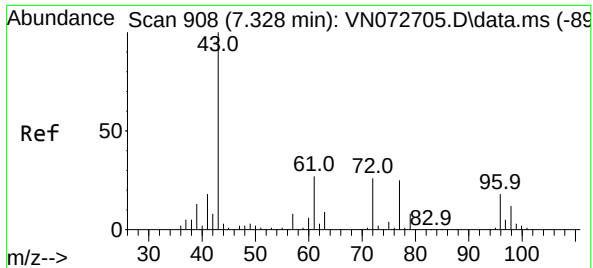
45 100

43 44.3 46.6 70.0#

87 21.4 24.3 36.5#

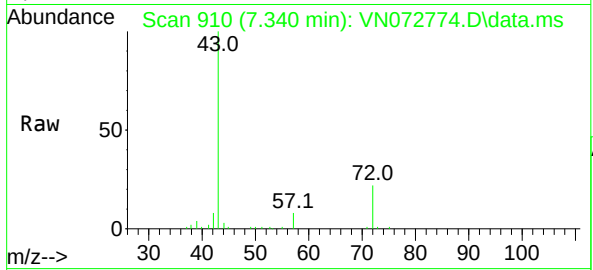
59 11.2 9.6 14.4





#25
2-Butanone
Concen: 26.879 ug/l
RT: 7.340 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

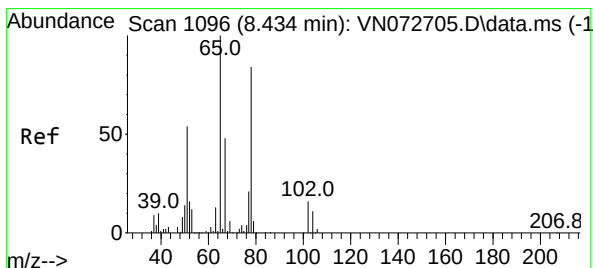
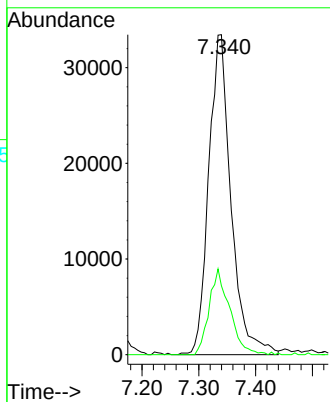
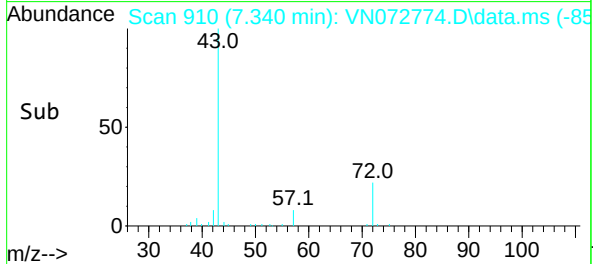
Instrument :
MSVOA_N
ClientSampleId :
40810



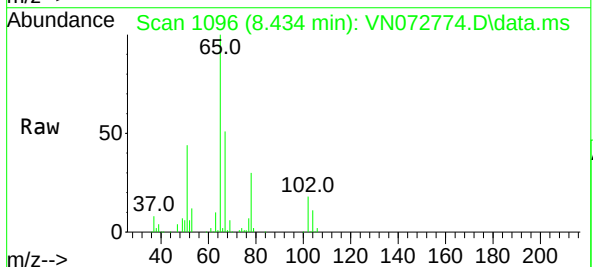
Tgt Ion: 43 Resp: 91197
Ion Ratio Lower Upper
43 100
72 21.5 23.7 35.5

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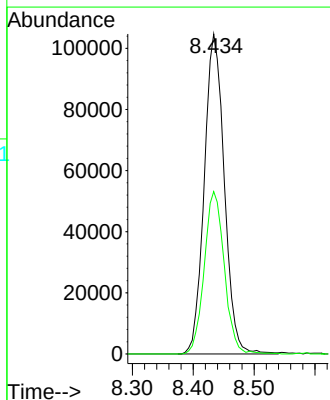
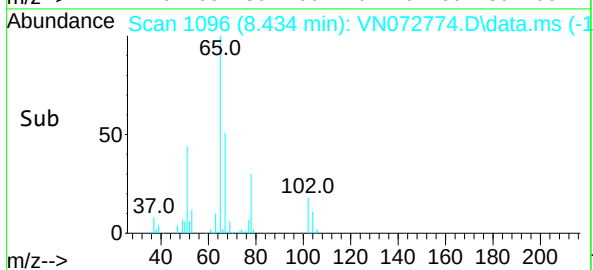
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

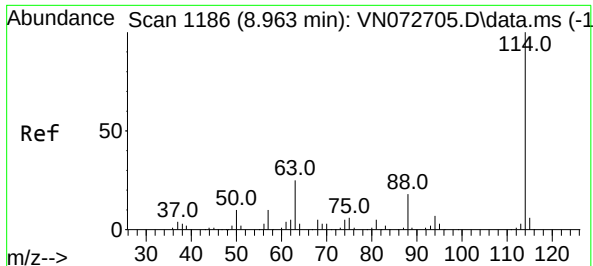


#33
1,2-Dichloroethane-d4
Concen: 54.380 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01



Tgt Ion: 65 Resp: 239363
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072774.D

Acq: 10 Jun 2022 19:01

Instrument :

MSVOA_N

ClientSampleId :

40810

Tgt Ion:114 Resp: 31814

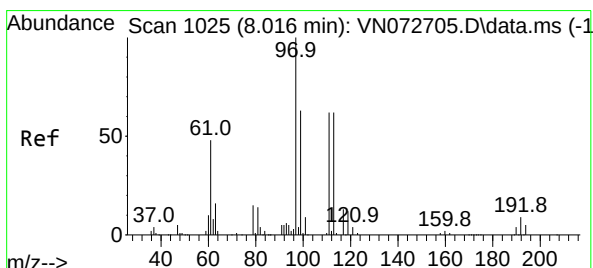
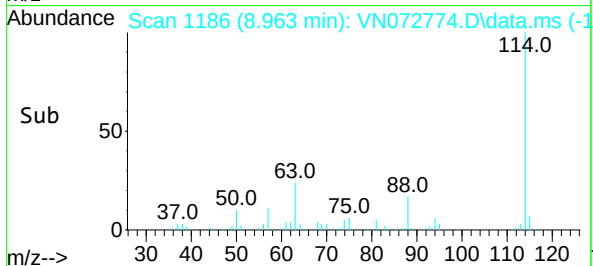
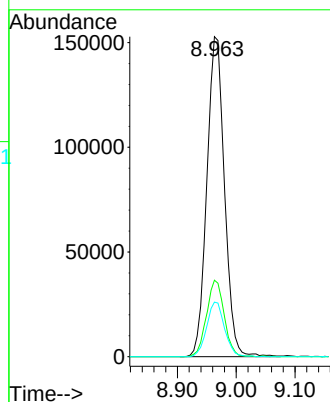
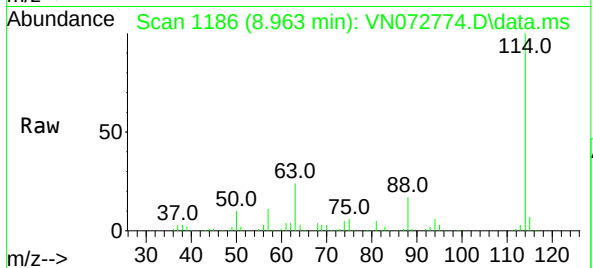
Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	40.0
88	17.1	0.0	32.6

Manual Integrations

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Supervised By :Mahesh Dadoda 06/13/2022



#35

Dibromofluoromethane

Concen: 56.201 ug/l

RT: 8.016 min Scan# 1025

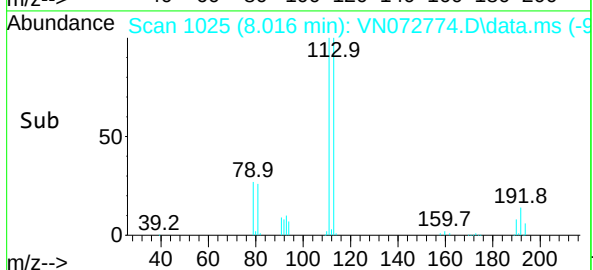
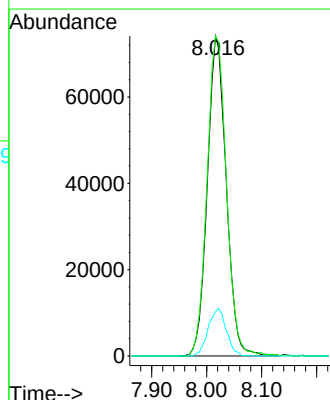
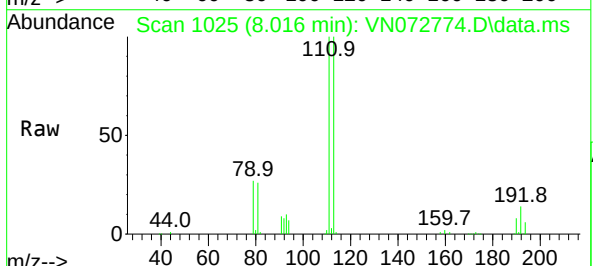
Delta R.T. -0.000 min

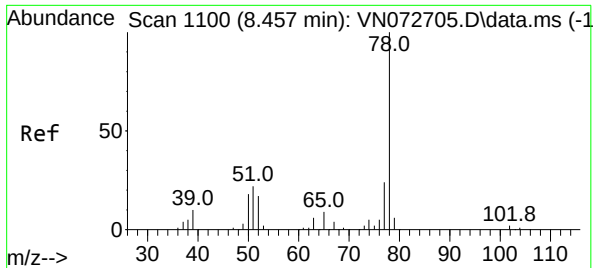
Lab File: VN072774.D

Acq: 10 Jun 2022 19:01

Tgt Ion:113 Resp: 176919

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	14.2	17.0	25.6





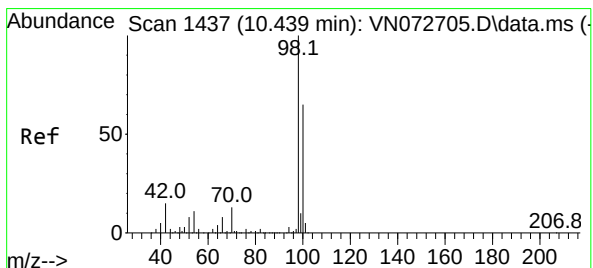
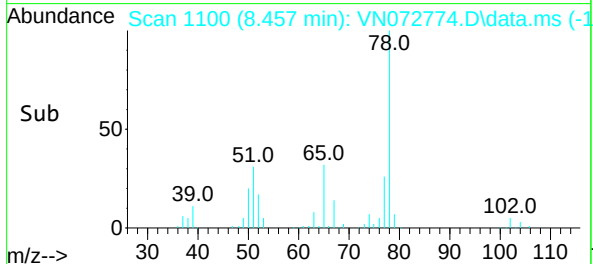
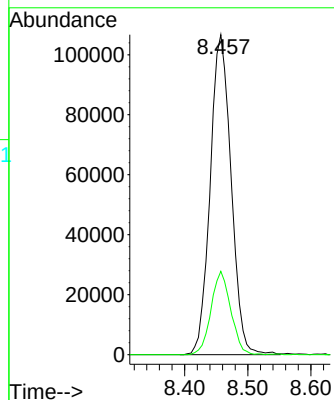
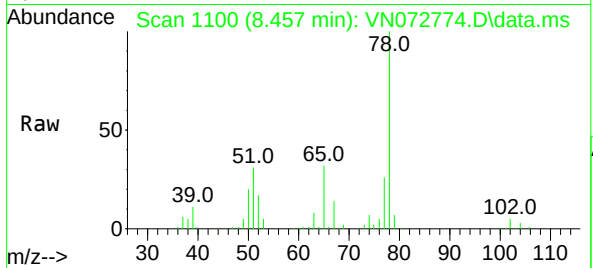
#40
Benzene
Concen: 18.518 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

Instrument :
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Tgt Ion: 78 Resp: 245540
Ion Ratio Lower Upper
78 100
77 26.0 19.4 29.0

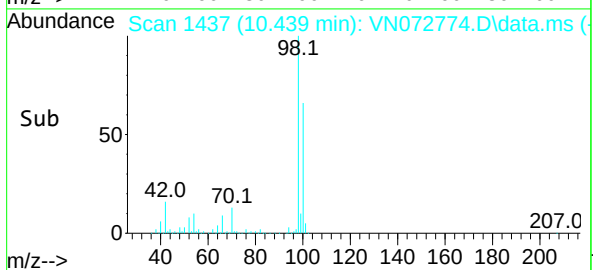
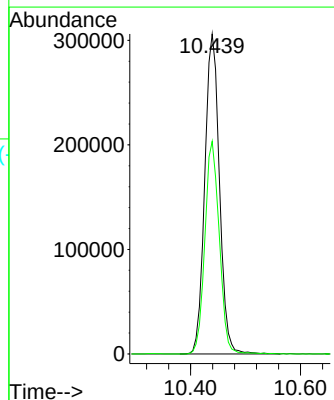
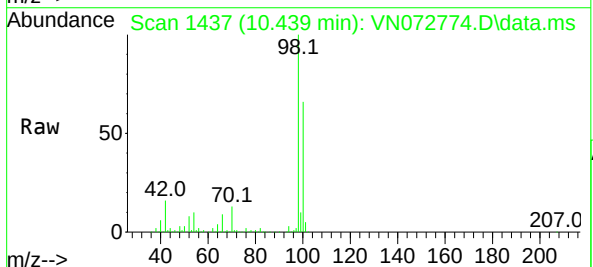
Manual Integrations
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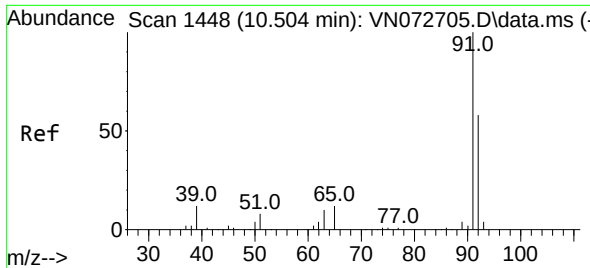
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#50
Toluene-d8
Concen: 45.138 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

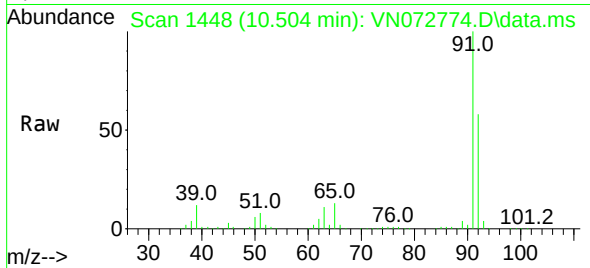
Tgt Ion: 98 Resp: 566919
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8





#52
Toluene
Concen: 158.610 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

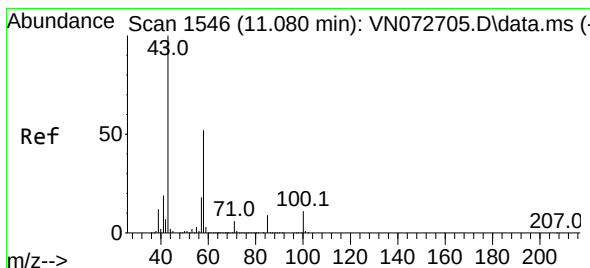
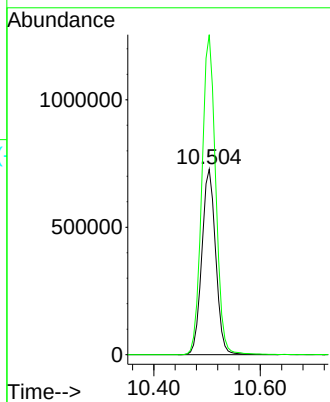
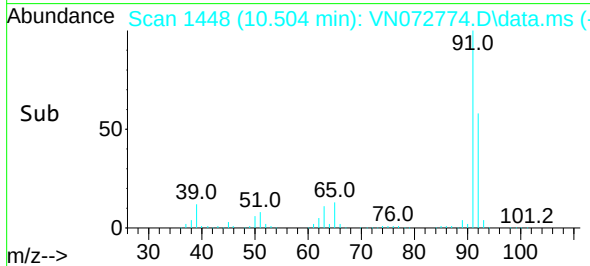
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MSVOA_N
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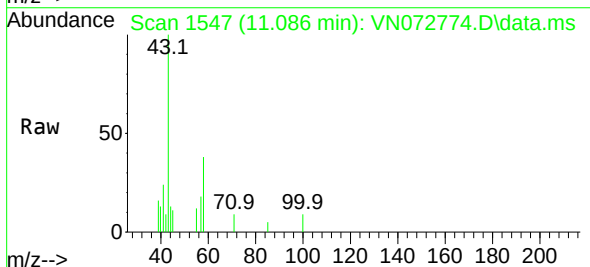
Tgt Ion: 92 Resp: 131312
Ion Ratio Lower Upper
92 100
91 172.3 138.6 207.8

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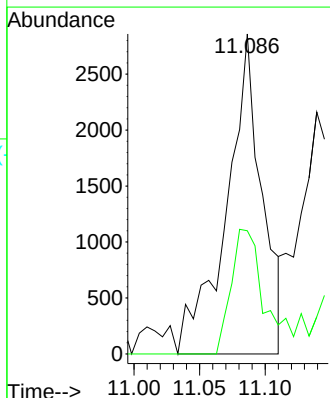
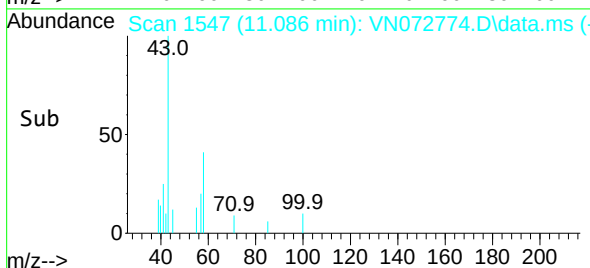
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

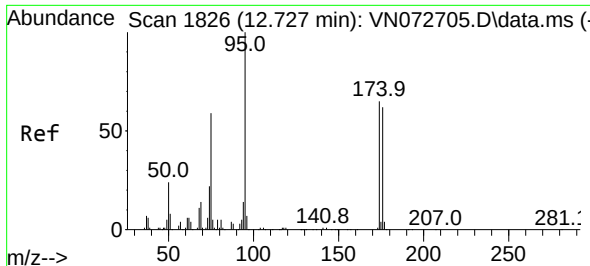


#59
2-Hexanone
Concen: 1.064 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01



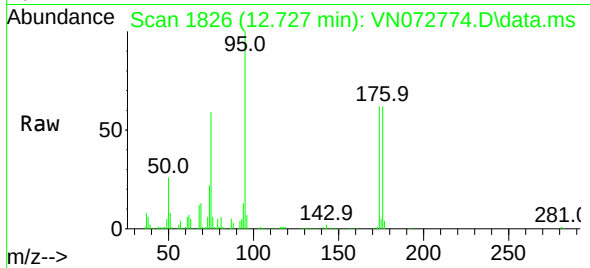
Tgt Ion: 43 Resp: 5386
Ion Ratio Lower Upper
43 100
58 36.8 29.7 89.1





#62
4-Bromofluorobenzene
Concen: 56.857 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

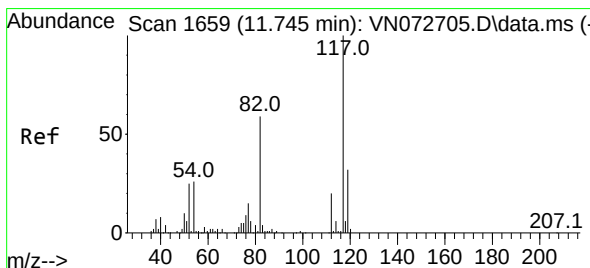
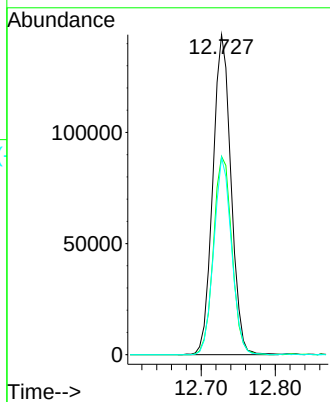
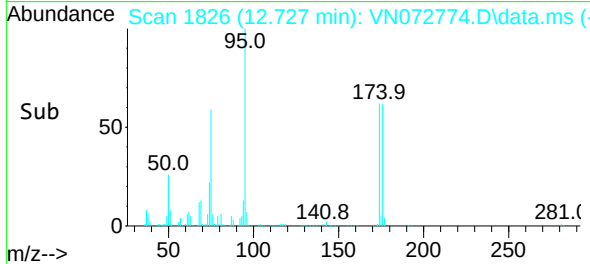
Instrument :
MSVOA_N
ClientSampleId :
40810



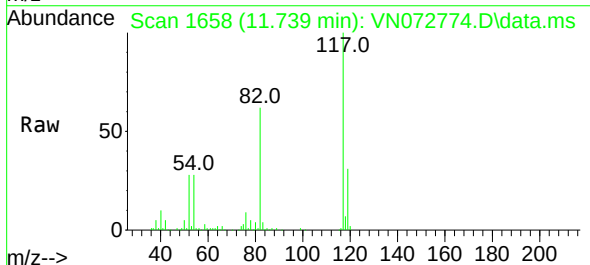
Tgt Ion: 95 Resp: 24504
Ion Ratio Lower Upper
95 100
174 62.7 0.0 167.6
176 60.3 0.0 163.4

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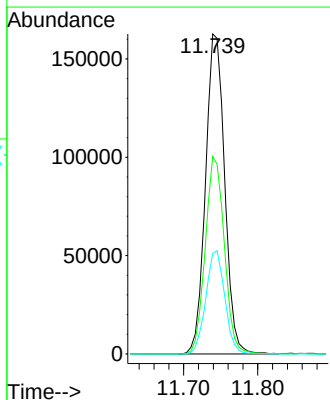
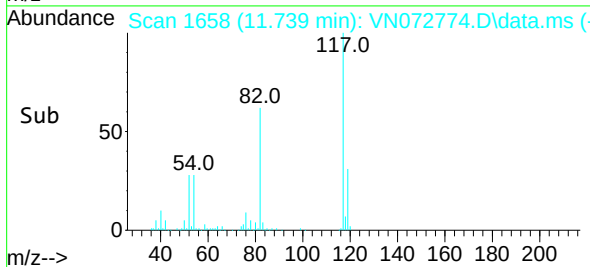
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

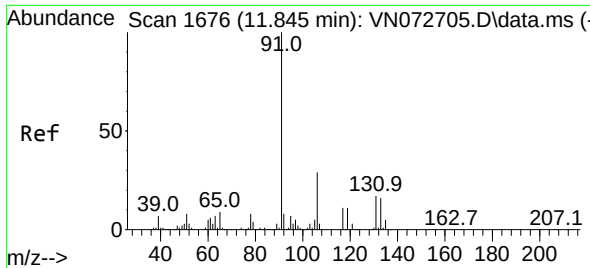


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01



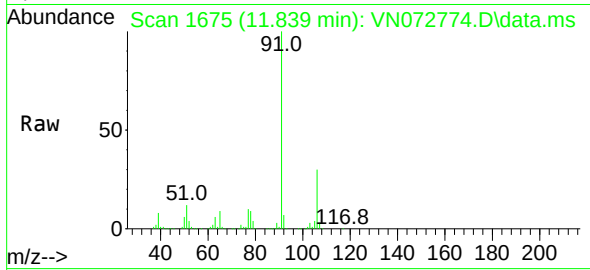
Tgt Ion:117 Resp: 291837
Ion Ratio Lower Upper
117 100
82 61.7 44.2 66.2
119 31.5 25.4 38.0





#67
Ethyl Benzene
Concen: 31.443 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

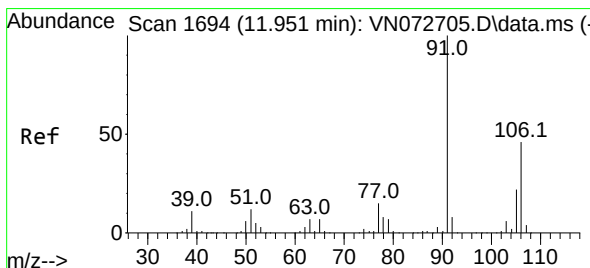
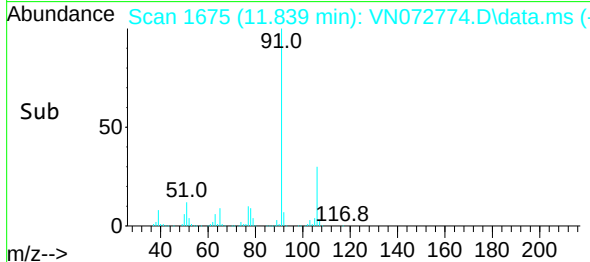
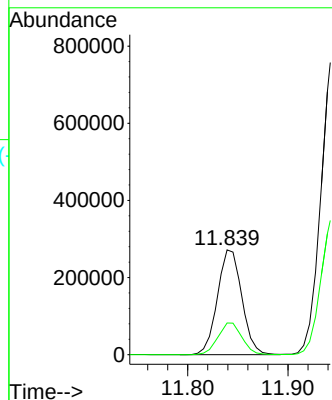
Instrument :
MSVOA_N
ClientSampleId :
40810



Tgt Ion: 91 Resp: 459770
Ion Ratio Lower Upper
91 100
106 30.1 24.9 37.3

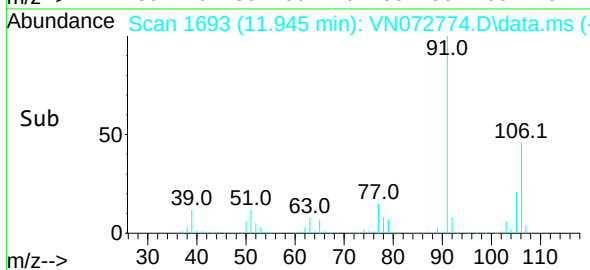
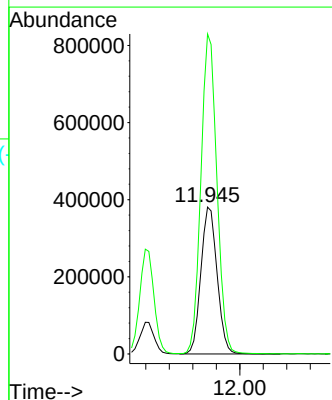
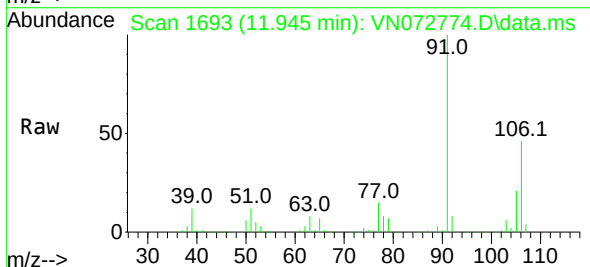
Manual Integrations
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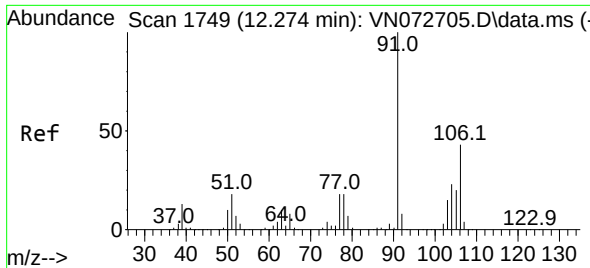
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#68
m/p-Xylenes
Concen: 140.161 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

Tgt Ion:106 Resp: 728339
Ion Ratio Lower Upper
106 100
91 215.0 158.9 238.3





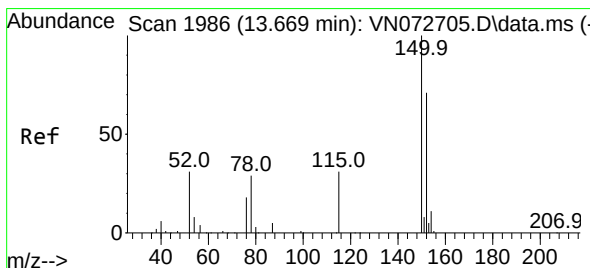
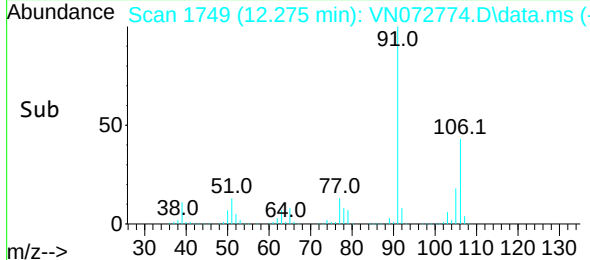
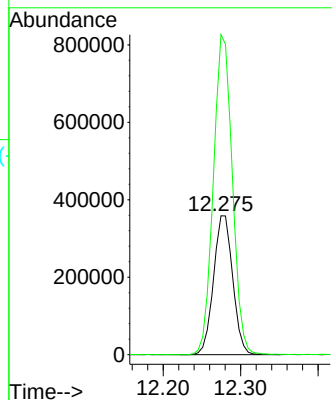
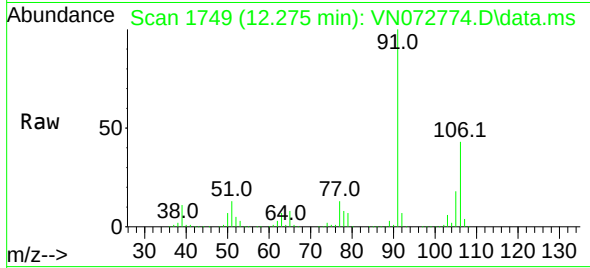
#69
o-Xylene
Concen: 118.319 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

Instrument :
MSVOA_N
ClientSampleId :
40810

Tgt Ion:106 Resp: 618050
Ion Ratio Lower Upper
106 100
91 228.4 106.0 318.0

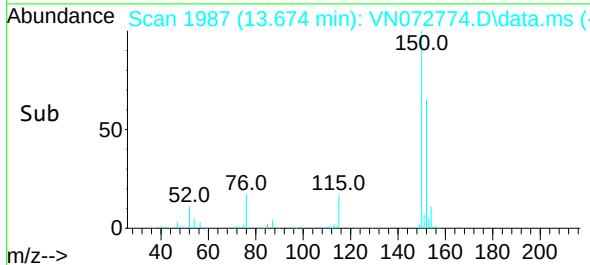
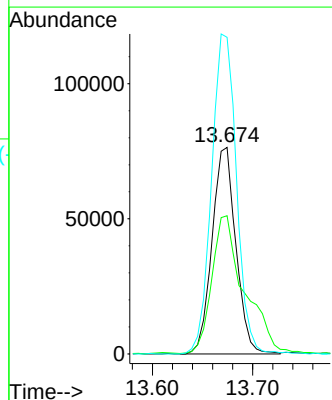
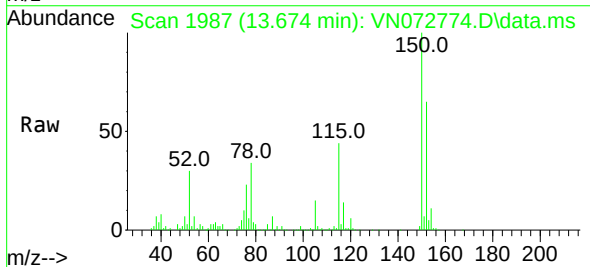
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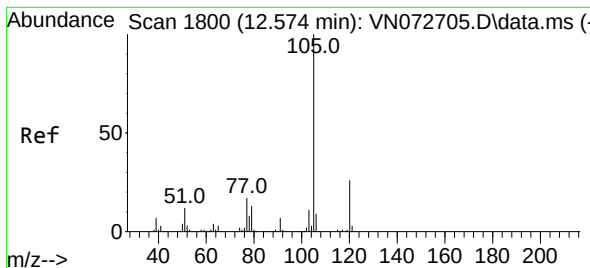
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

Tgt Ion:152 Resp: 126395
Ion Ratio Lower Upper
152 100
115 91.2 28.9 86.7#
150 161.8 0.0 356.2





#73

Isopropylbenzene

Concen: 1.538 ug/l

RT: 12.575 min Scan# 1800

Delta R.T. 0.001 min

Lab File: VN072774.D

Acq: 10 Jun 2022 19:01

Instrument :

MSVOA_N

ClientSampleId :

40810

Tgt Ion:105 Resp: 20850

Ion Ratio Lower Upper

105 100

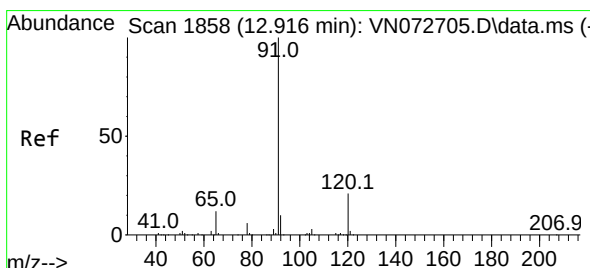
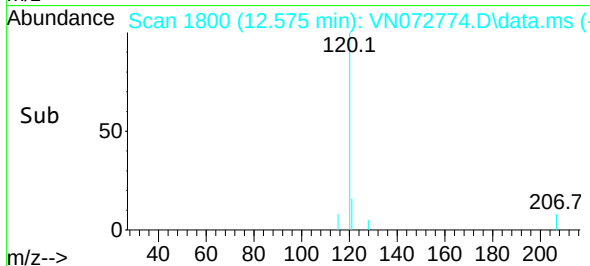
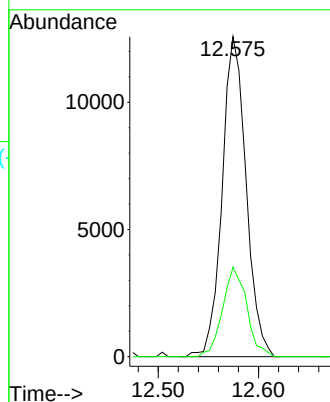
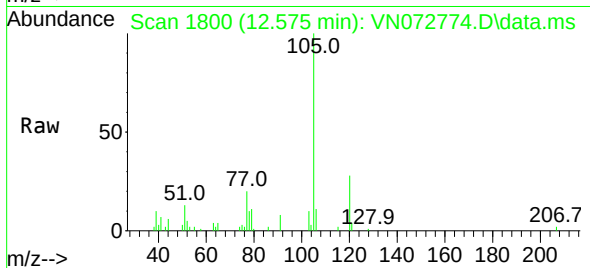
120 28.2 13.5 40.4

Manual Integrations

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Reviewed By :John Carlone 06/11/2022

Supervised By :Mahesh Dadoda 06/13/2022



#78

n-propylbenzene

Concen: 4.908 ug/l

RT: 12.916 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VN072774.D

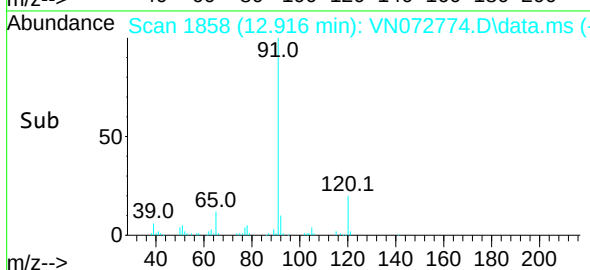
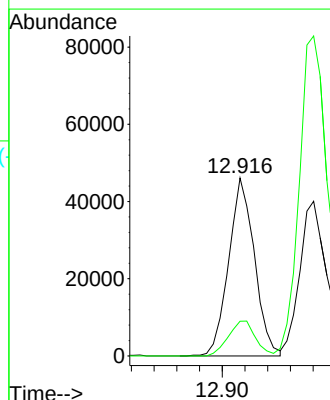
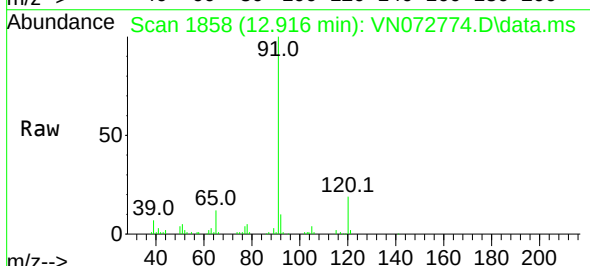
Acq: 10 Jun 2022 19:01

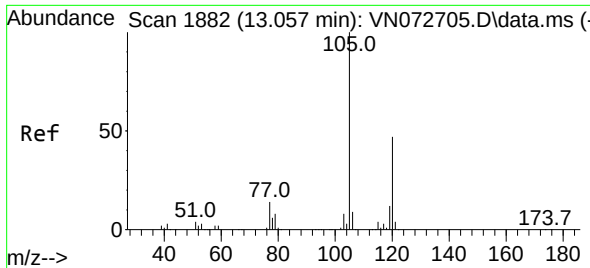
Tgt Ion: 91 Resp: 72651

Ion Ratio Lower Upper

91 100

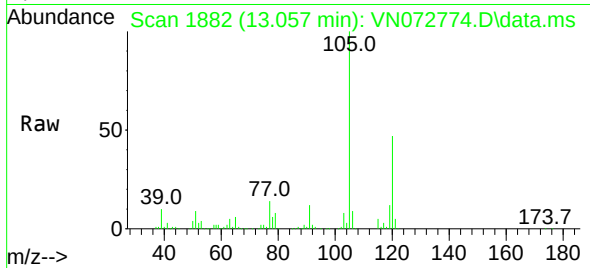
120 20.7 11.9 35.5





#80
 1,3,5-Trimethylbenzene
 Concen: 20.775 ug/l
 RT: 13.057 min Scan# 1882
 Delta R.T. -0.000 min
 Lab File: VN072774.D
 Acq: 10 Jun 2022 19:01

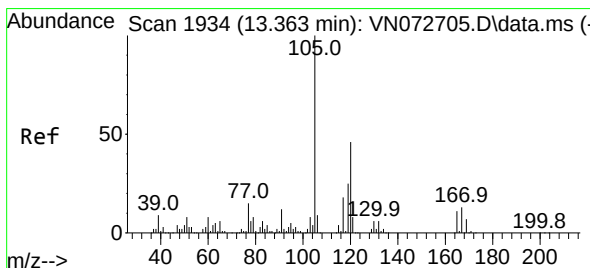
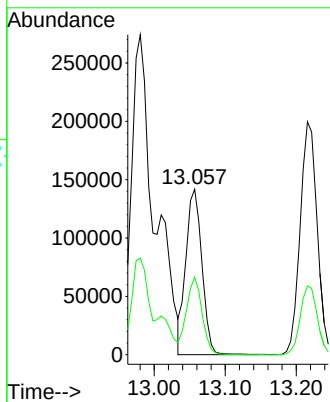
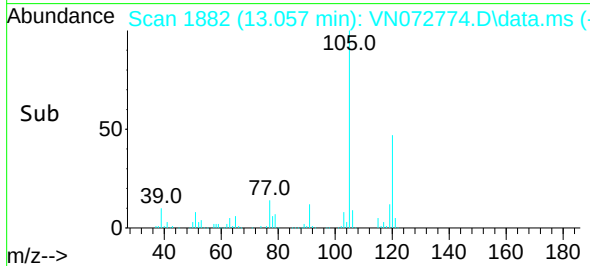
Instrument :
 MSVOA_N
 ClientSampleId :
 40810



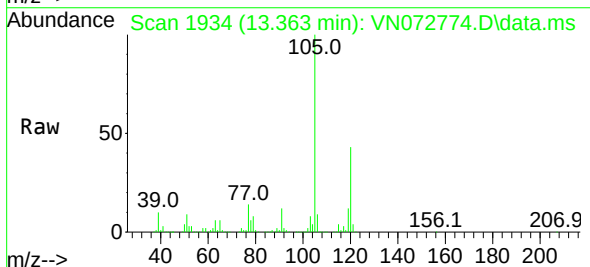
Tgt Ion:105 Resp: 22317
 Ion Ratio Lower Upper
 105 100
 120 45.6 24.9 74.7

Manual Integrations
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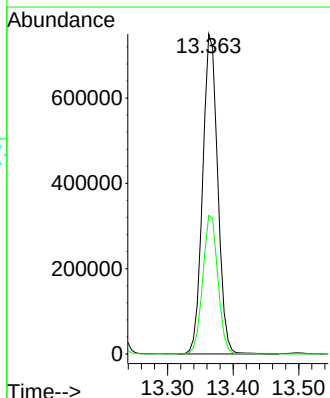
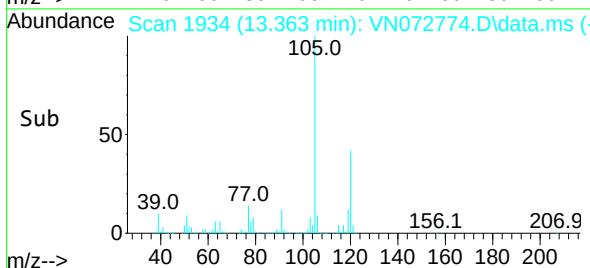
Reviewed By :John Carlone 06/11/2022
 Supervised By :Mahesh Dadoda 06/13/2022

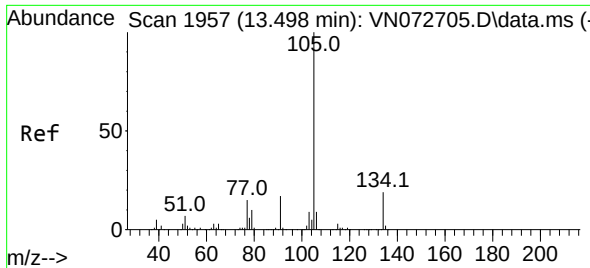


#84
 1,2,4-Trimethylbenzene
 Concen: 116.685 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: VN072774.D
 Acq: 10 Jun 2022 19:01



Tgt Ion:105 Resp: 1199368
 Ion Ratio Lower Upper
 105 100
 120 43.6 23.3 69.8





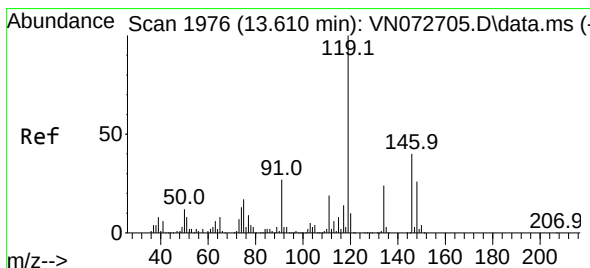
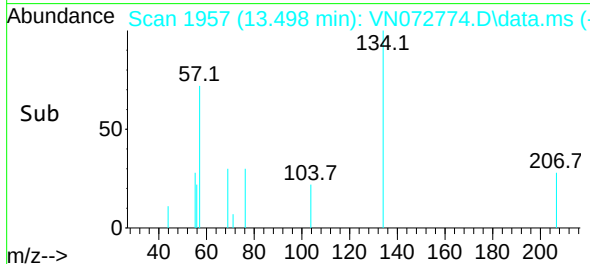
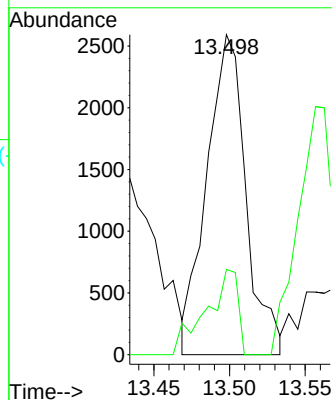
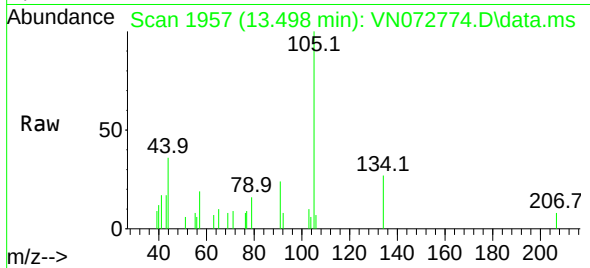
#85
 sec-Butylbenzene
 Concen: 0.366 ug/l m
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN072774.D
 Acq: 10 Jun 2022 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 40810

Tgt Ion:105 Resp: 4659
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

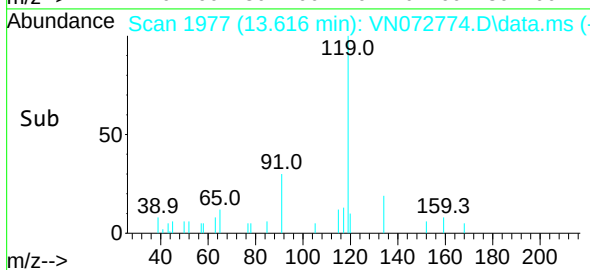
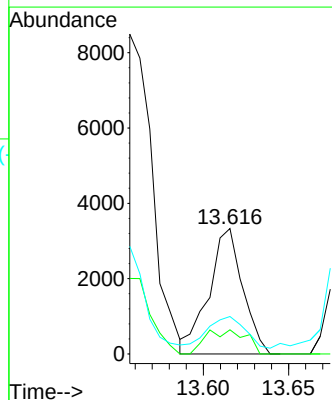
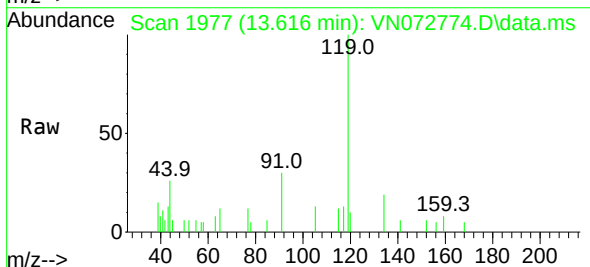
Manual Integrations
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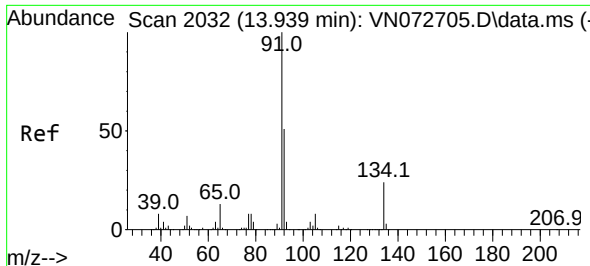
Reviewed By :John Carlone 06/11/2022
 Supervised By :Mahesh Dadoda 06/13/2022



#86
 p-Isopropyltoluene
 Concen: 0.459 ug/l
 RT: 13.616 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VN072774.D
 Acq: 10 Jun 2022 19:01

Tgt Ion:119 Resp: 4601
 Ion Ratio Lower Upper
 119 100
 134 22.8 13.3 39.8
 91 0.0 11.3 33.9





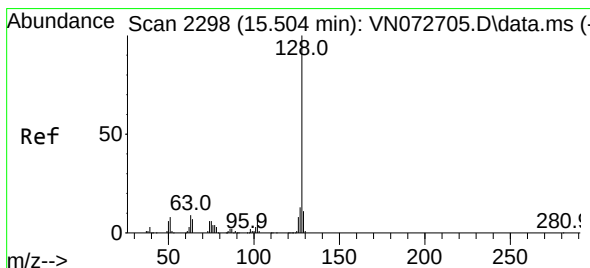
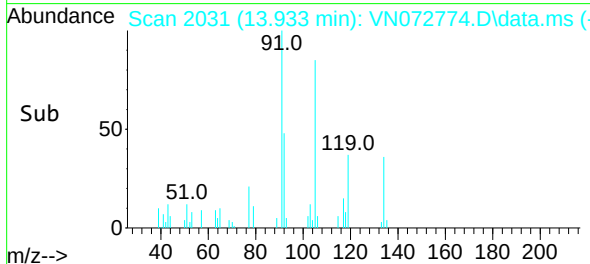
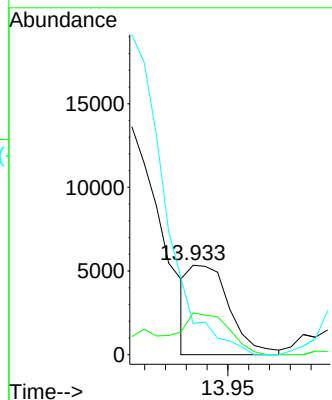
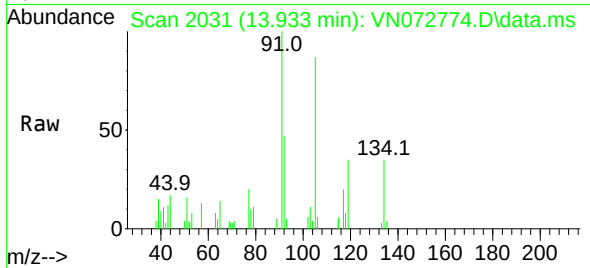
#89
n-Butylbenzene
Concen: 0.865 ug/l m
RT: 13.933 min Scan# 2032
Delta R.T. -0.006 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

Instrument :
MSVOA_N
ClientSampleId :
40810

Tgt Ion: 91 Resp: 730
Ion Ratio Lower Upper
91 100
92 191.4 26.9 80.7
134 69.6 13.6 40.8

Manual Integrations
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Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#95
Naphthalene
Concen: 296.628 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN072774.D
Acq: 10 Jun 2022 19:01

Tgt Ion:128 Resp: 2463403
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.1 8.6 13.0

