

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072250.D
 Acq On : 28 Apr 2022 20:12
 Operator : JC\MD
 Sample : N2617-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14S

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2022
 Supervised By : Mahesh Dadoda 04/29/2022

Quant Time: Apr 29 06:37:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	280923	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	517028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	581242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	259854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	209050	48.472	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.940%		
35) Dibromofluoromethane	8.022	113	154670	46.738	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.480%		
50) Toluene-d8	10.439	98	673567	51.799	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.600%		
62) 4-Bromofluorobenzene	12.727	95	312746	72.460	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	144.920%#		
Target Compounds						
						Qvalue
25) 2-Butanone	7.339	43	26557	8.968	ug/l	# 89
31) Cyclohexane	8.092	56	430385	74.687	ug/l	89
39) Methylcyclohexane	9.457	83	312967	58.093	ug/l	92
40) Benzene	8.457	78	241115	16.138	ug/l	98
52) Toluene	10.504	92	1313196	147.022	ug/l	98
67) Ethyl Benzene	11.833	91	19476482	950.951	ug/l	91
68) m/p-Xylenes	11.951	106	14802478	1946.302	ug/l	# 1
69) o-Xylene	12.274	106	1202012	163.028	ug/l	88
73) Isopropylbenzene	12.574	105	1114885	48.578	ug/l	96
78) n-propylbenzene	12.915	91	3726890	147.405	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	3141636	164.369	ug/l	94
84) 1,2,4-Trimethylbenzene	13.362	105	13585965	734.659	ug/l	95
85) sec-Butylbenzene	13.498	105	126558m	5.785	ug/l	
86) p-Isopropyltoluene	13.610	119	48597	2.849	ug/l	# 77
89) n-Butylbenzene	13.933	91	129084	9.880	ug/l	# 74
95) Naphthalene	15.498	128	3149255	218.166	ug/l	100

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

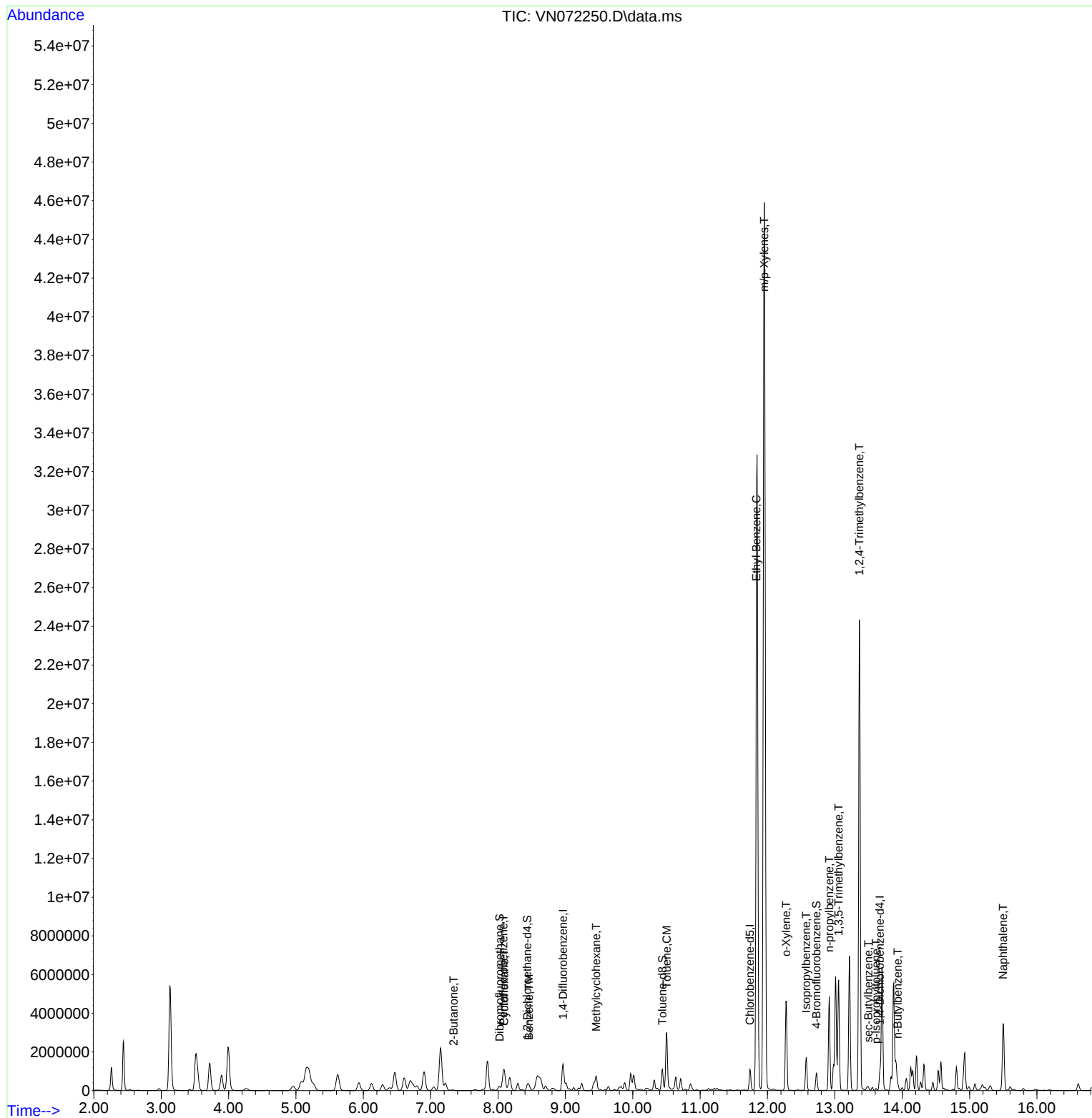
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
Data File : VN072250.D
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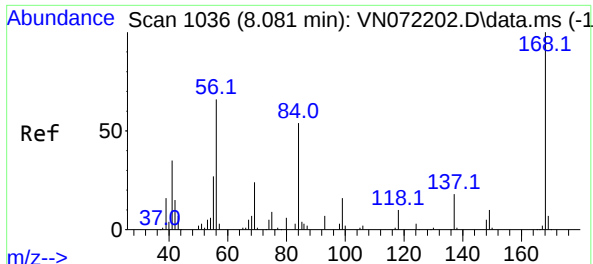
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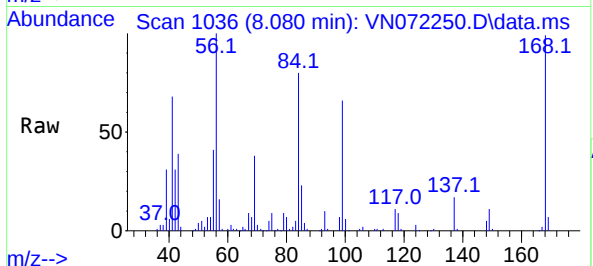
Quant Time: Apr 29 06:37:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 26 18:50:11 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

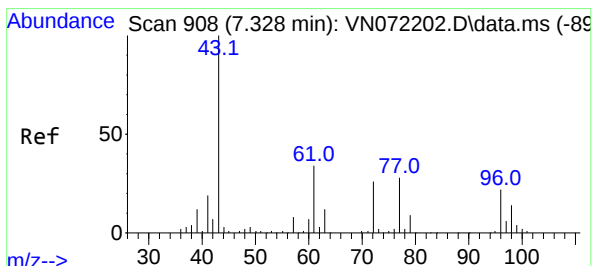
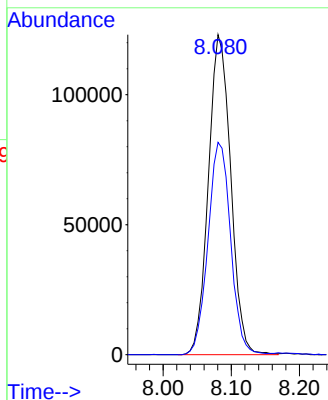
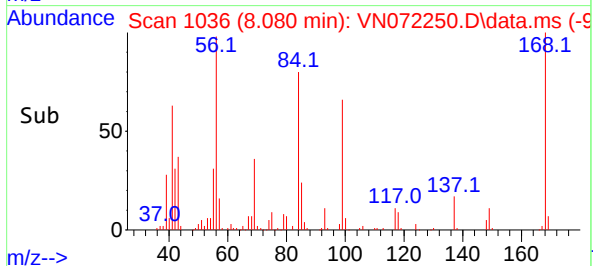
Instrument :
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ClientSampleId :
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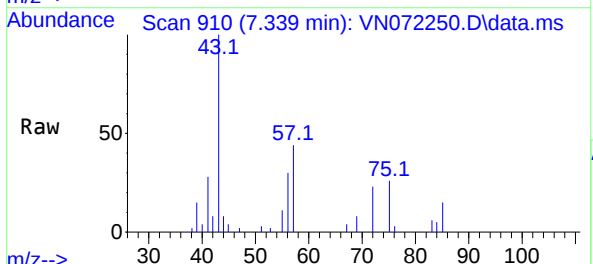
Tgt Ion:168 Resp: 280923
Ion Ratio Lower Upper
168 100
99 66.3 42.3 63.5

Manual Integrations
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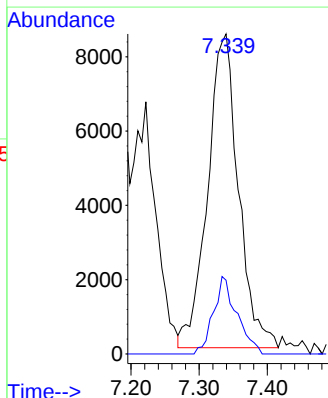
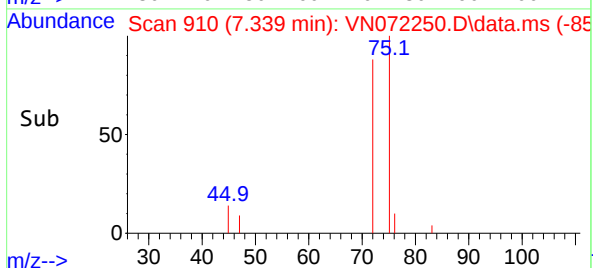
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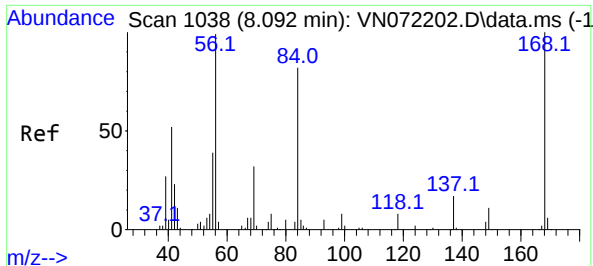


#25
2-Butanone
Concen: 8.968 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12



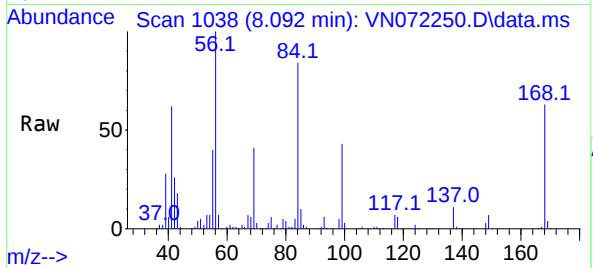
Tgt Ion: 43 Resp: 26557
Ion Ratio Lower Upper
43 100
72 23.5 23.7 35.5





#31
Cyclohexane
Concen: 74.687 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

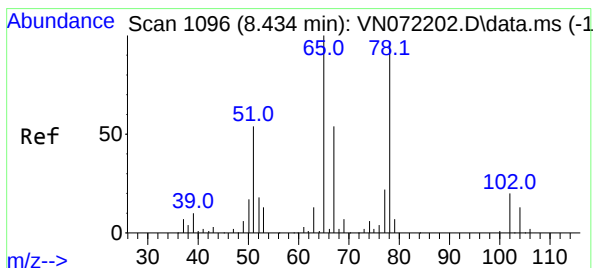
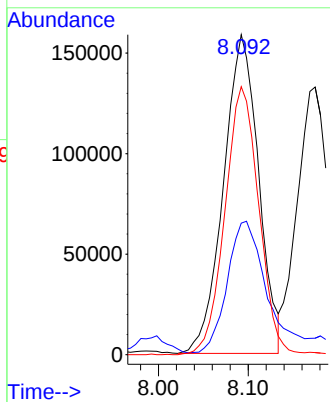
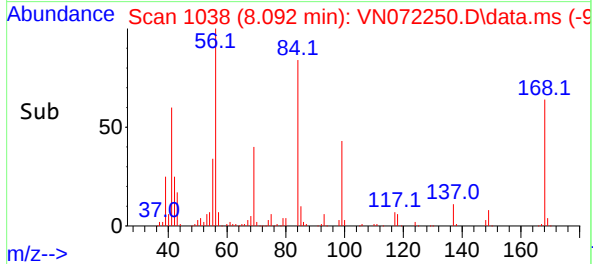
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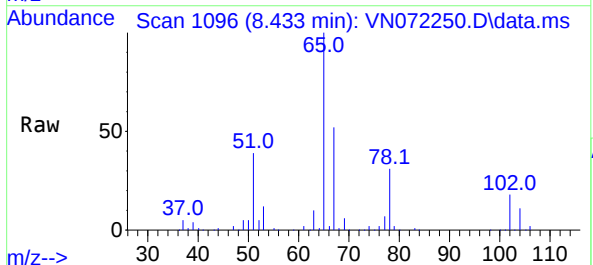
Tgt Ion: 56 Resp: 430385
Ion Ratio Lower Upper
56 100
69 39.5 27.8 41.8
84 84.1 76.9 115.3

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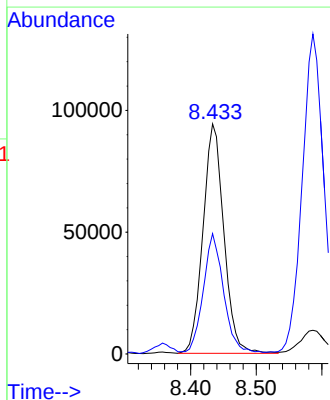
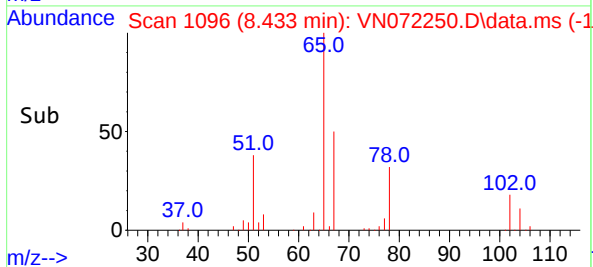
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

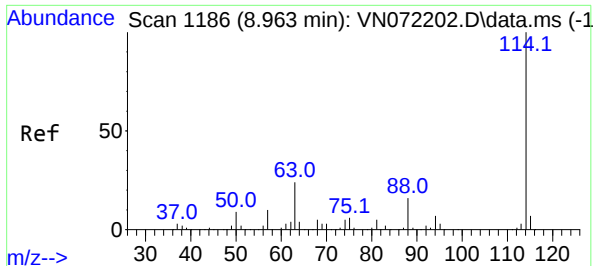


#33
1,2-Dichloroethane-d4
Concen: 48.472 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12



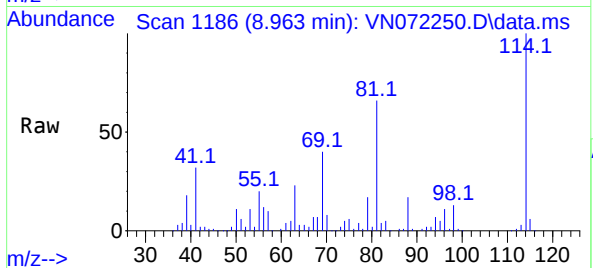
Tgt Ion: 65 Resp: 209050
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

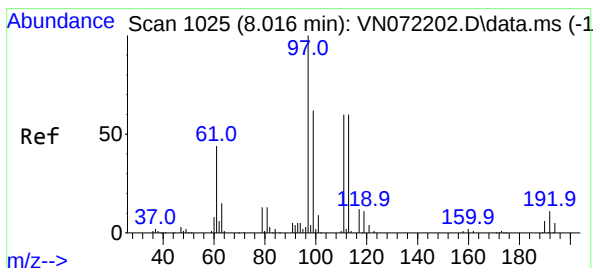
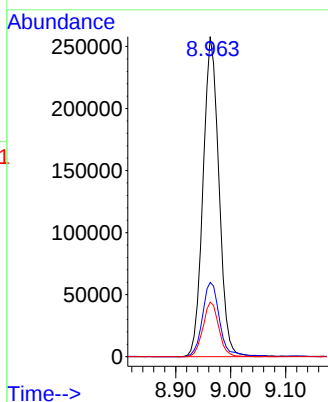
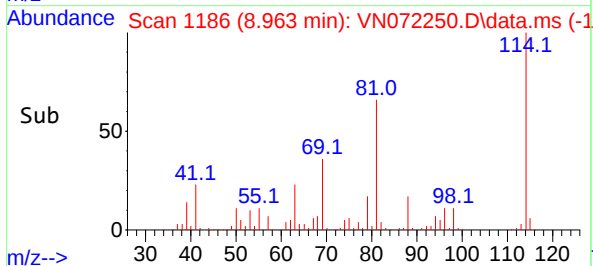
Instrument :
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ClientSampleId :
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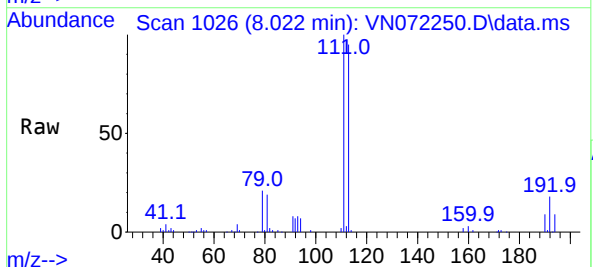
Tgt Ion:114 Resp: 517028
Ion Ratio Lower Upper
114 100
63 23.2 0.0 40.0
88 17.1 0.0 32.6

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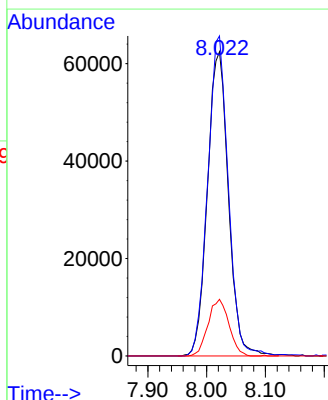
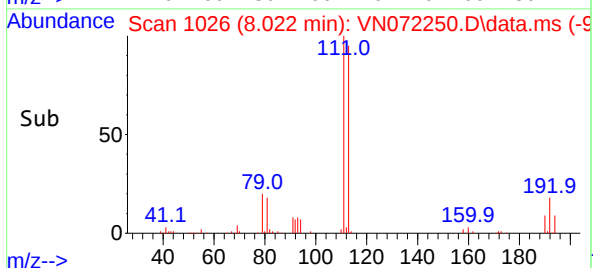
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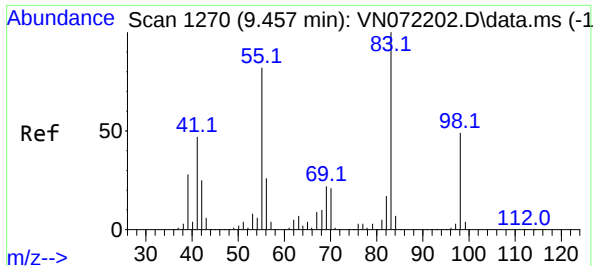


#35
Dibromofluoromethane
Concen: 46.738 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12



Tgt Ion:113 Resp: 154670
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 18.5 17.0 25.6





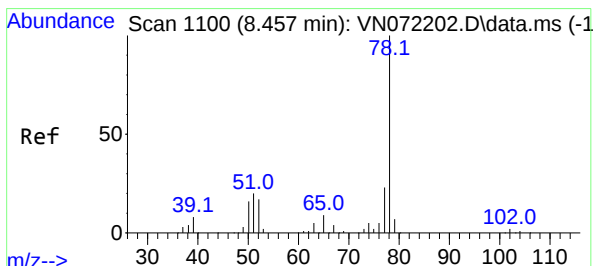
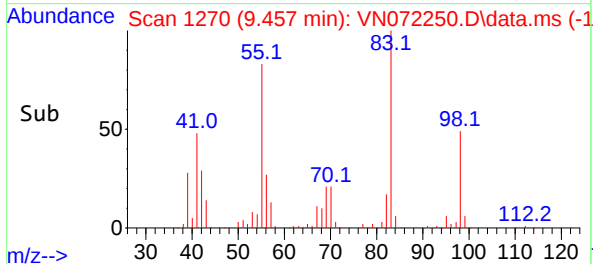
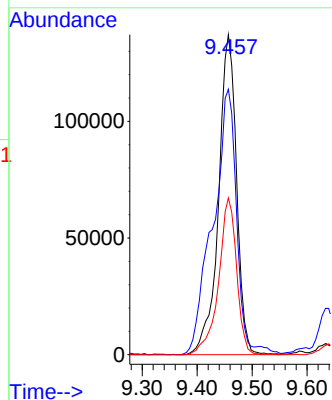
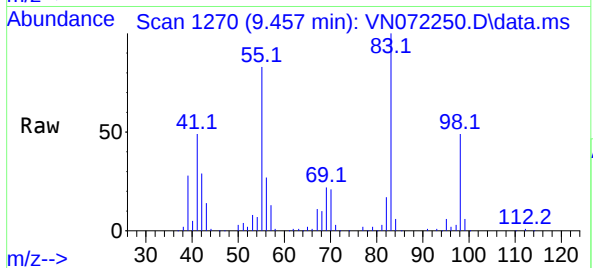
#39
Methylcyclohexane
Concen: 58.093 ug/l
RT: 9.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

Instrument :
MSVOA_N
ClientSampleId :
MW-14S

Tgt Ion: 83 Resp: 31296
Ion Ratio Lower Upper
83 100
55 82.9 57.8 86.8
98 49.0 39.4 59.2

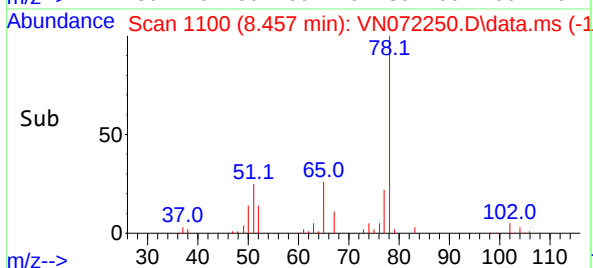
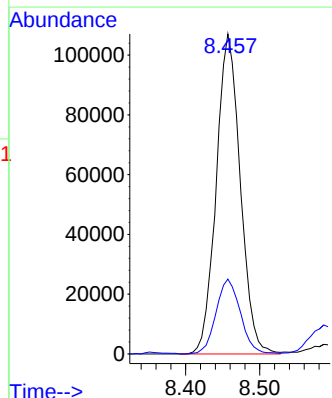
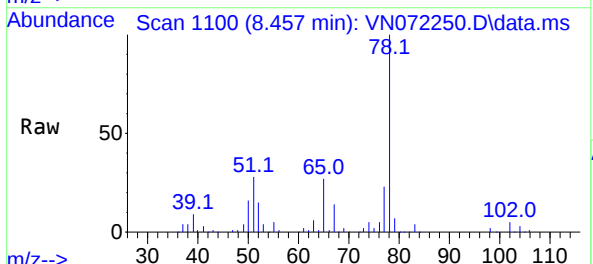
Manual Integrations
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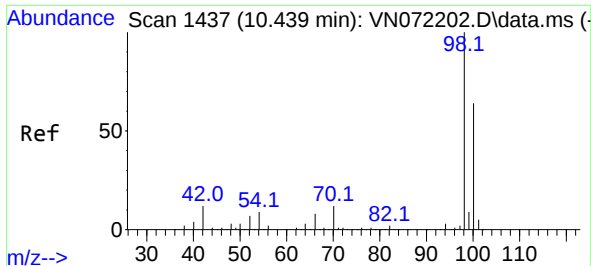
Reviewed By :John Carlone 04/29/2022
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#40
Benzene
Concen: 16.138 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

Tgt Ion: 78 Resp: 241115
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0





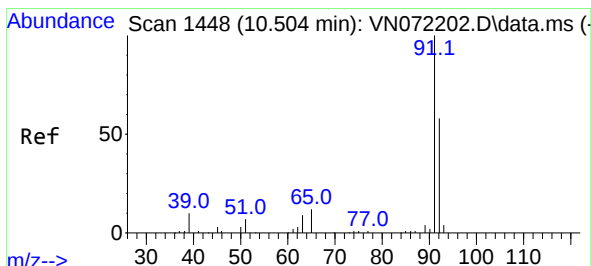
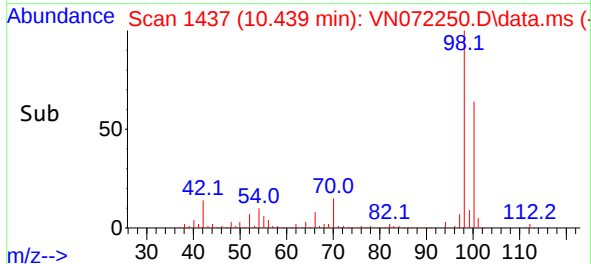
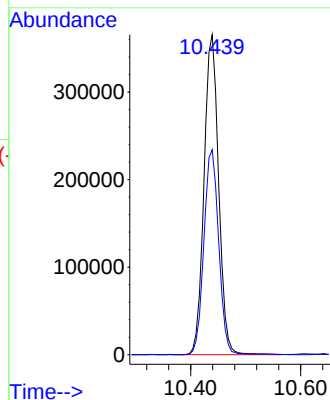
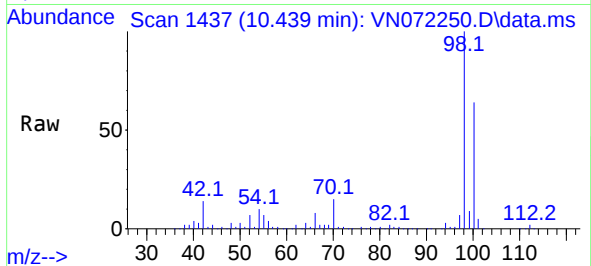
#50
Toluene-d8
Concen: 51.799 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

Instrument :
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ClientSampleId :
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Tgt Ion: 98 Resp: 67356
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

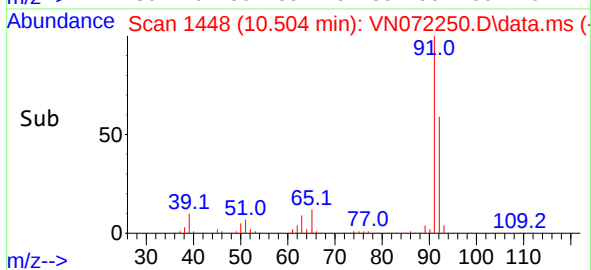
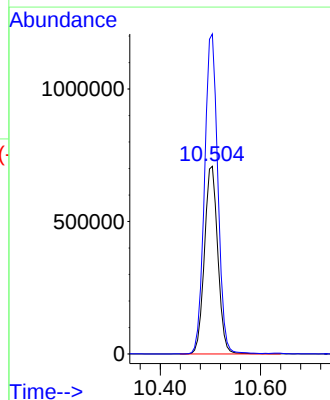
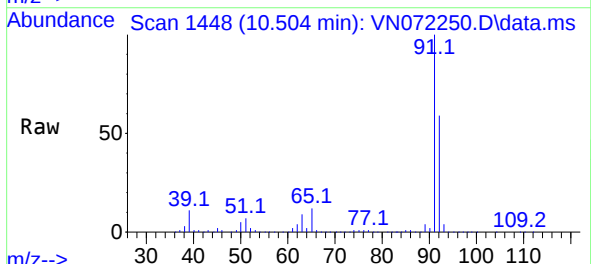
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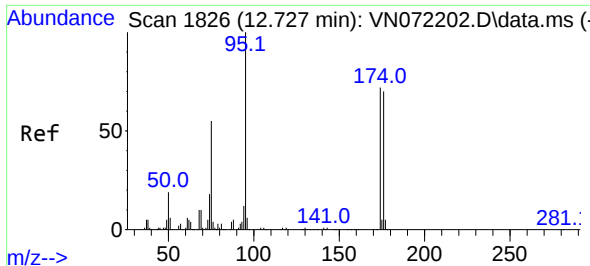
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#52
Toluene
Concen: 147.022 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

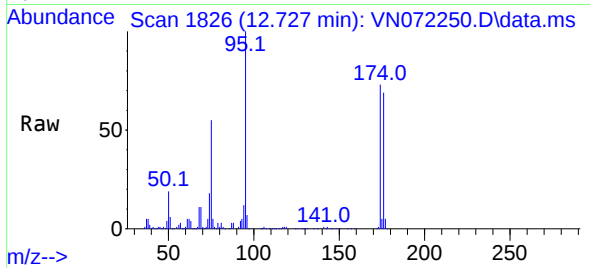
Tgt Ion: 92 Resp: 1313196
Ion Ratio Lower Upper
92 100
91 170.2 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 72.460 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

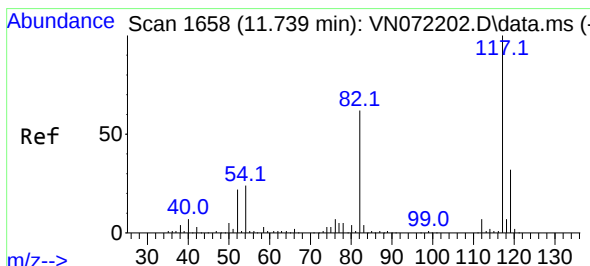
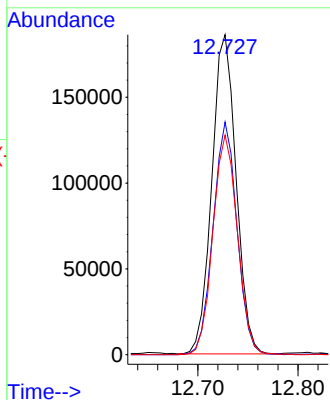
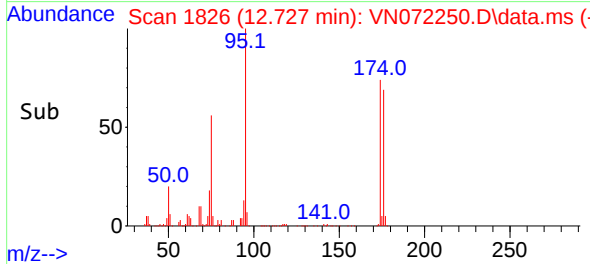
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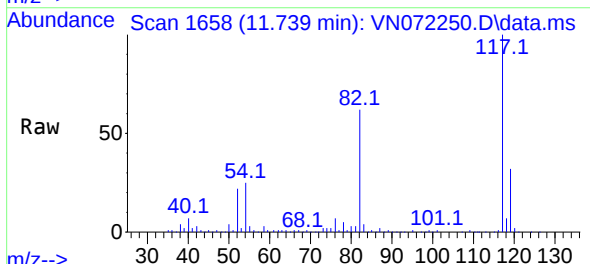
Tgt Ion: 95 Resp: 312740
Ion Ratio Lower Upper
95 100
174 71.8 0.0 167.6
176 69.4 0.0 163.4

Manual Integrations
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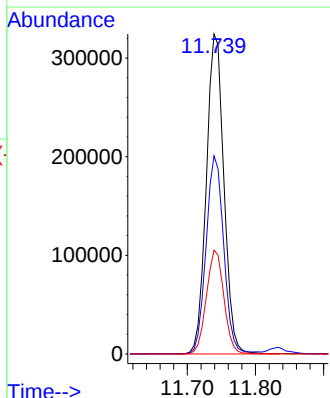
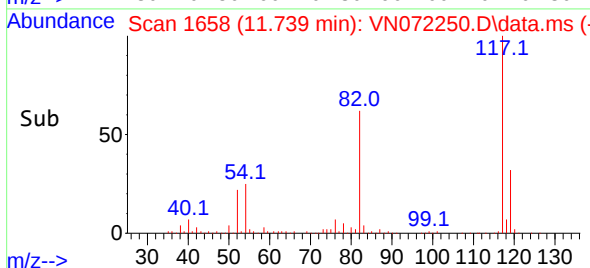
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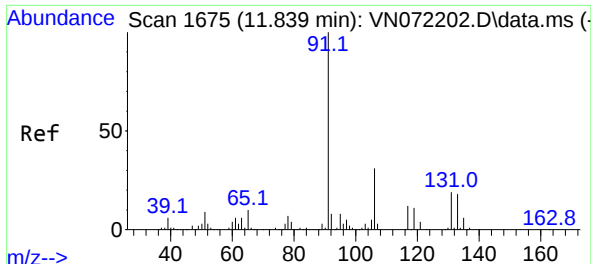


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12



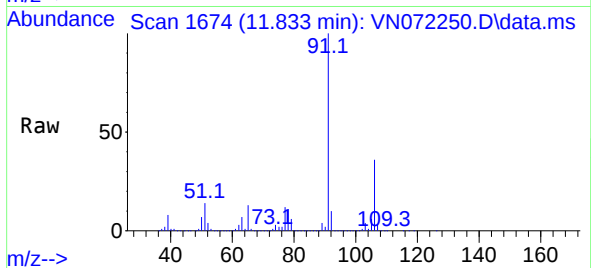
Tgt Ion:117 Resp: 581242
Ion Ratio Lower Upper
117 100
82 61.8 44.2 66.2
119 32.4 25.4 38.0





#67
Ethyl Benzene
Concen: 950.951 ug/l
RT: 11.833 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

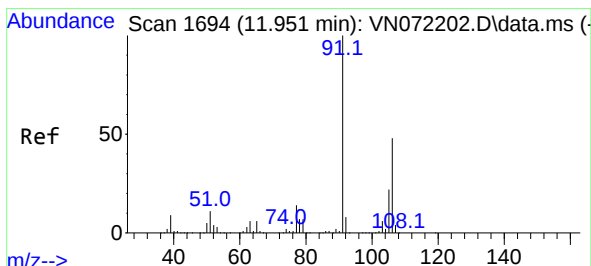
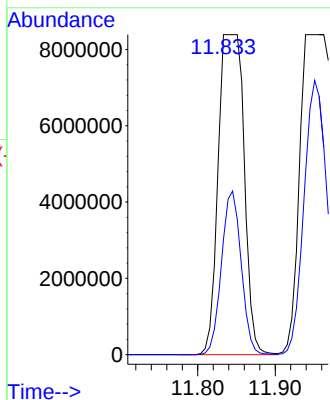
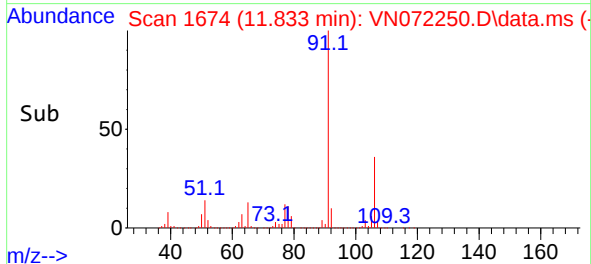
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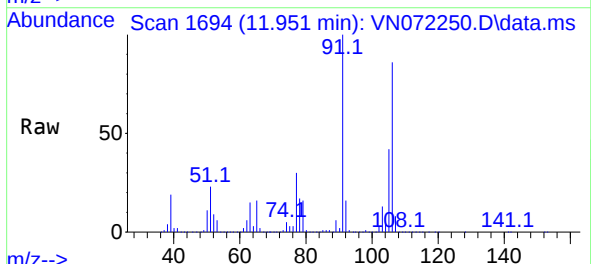
Tgt Ion: 91 Resp:1947648
Ion Ratio Lower Upper
91 100
106 36.0 24.9 37.3

Manual Integrations
APPROVED

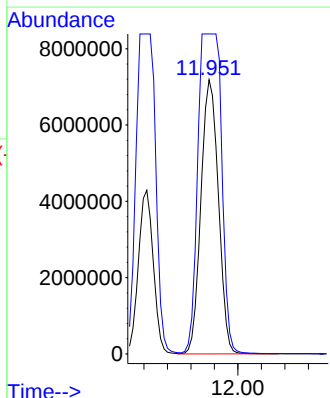
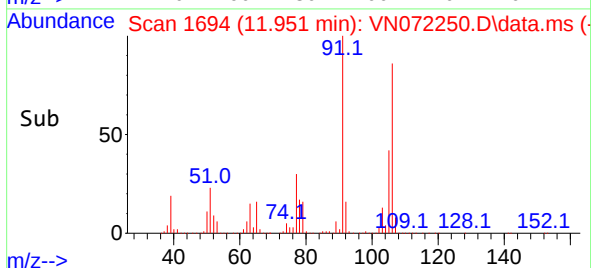
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

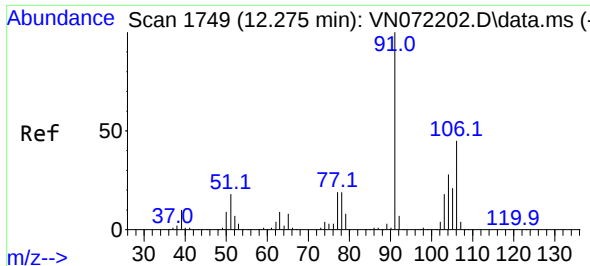


#68
m/p-Xylenes
Concen: 1946.302 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12



Tgt Ion:106 Resp:14802478
Ion Ratio Lower Upper
106 100
91 0.0 158.9 238.3#





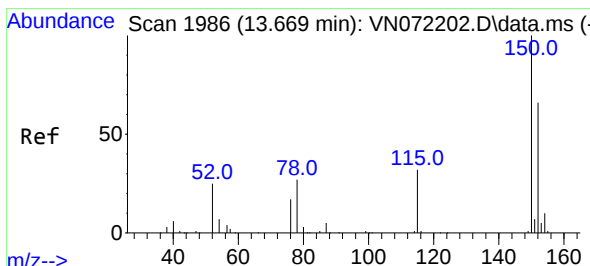
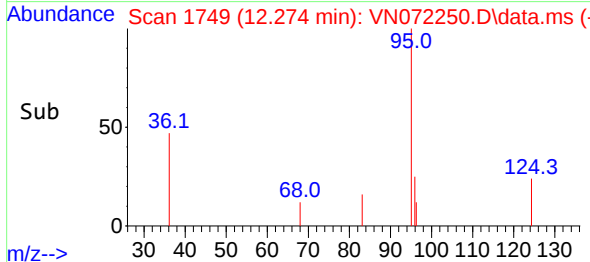
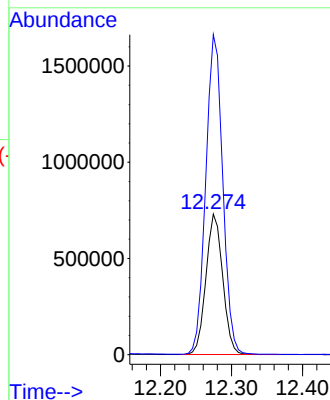
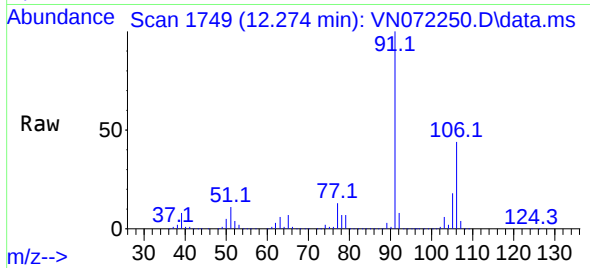
#69
o-Xylene
Concen: 163.028 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

Instrument :
MSVOA_N
ClientSampleId :
MW-14S

Tgt Ion:106 Resp: 120201
Ion Ratio Lower Upper
106 100
91 230.2 106.0 318.0

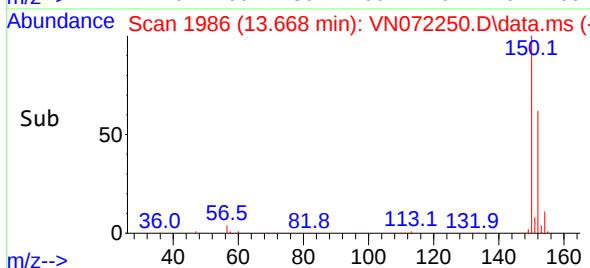
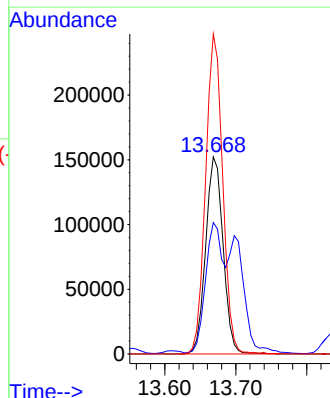
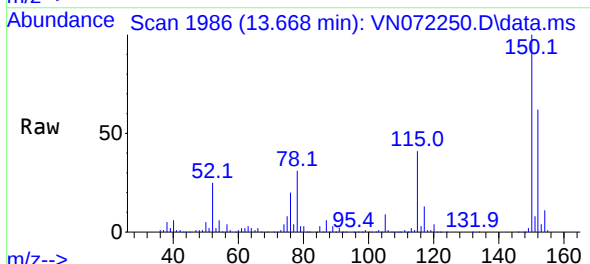
Manual Integrations
APPROVED

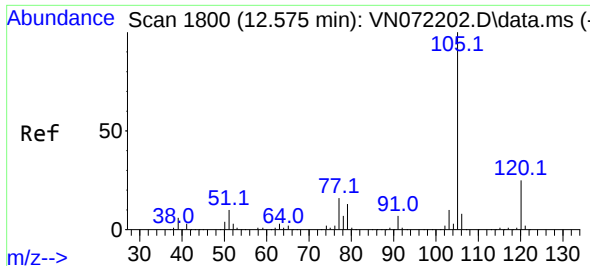
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

Tgt Ion:152 Resp: 259854
Ion Ratio Lower Upper
152 100
115 68.4 28.9 86.7
150 159.2 0.0 356.2





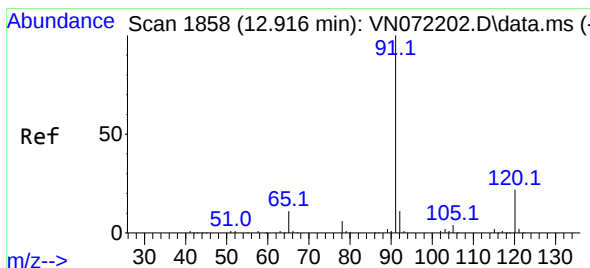
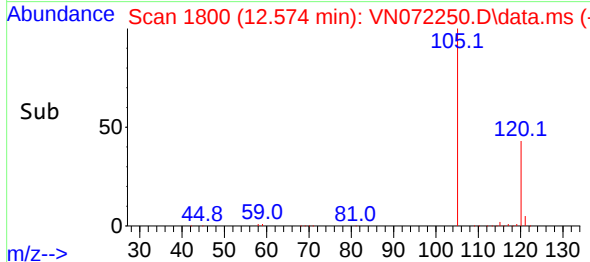
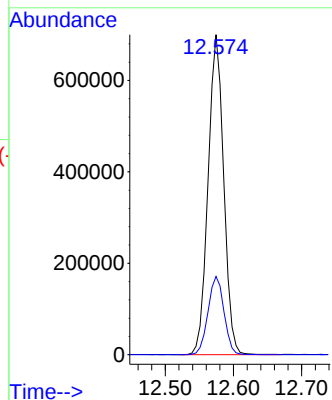
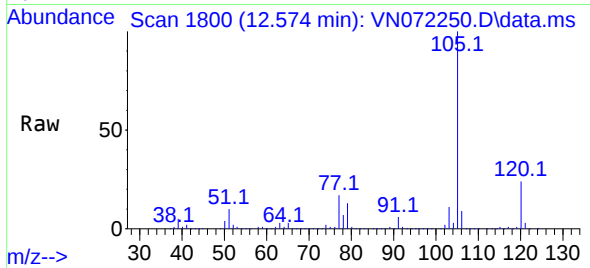
#73
Isopropylbenzene
Concen: 48.578 ug/l
RT: 12.574 min Scan# 111488
Delta R.T. -0.001 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

Instrument :
MSVOA_N
ClientSampleId :
MW-14S

Tgt Ion:105 Resp: 111488
Ion Ratio Lower Upper
105 100
120 25.0 13.5 40.4

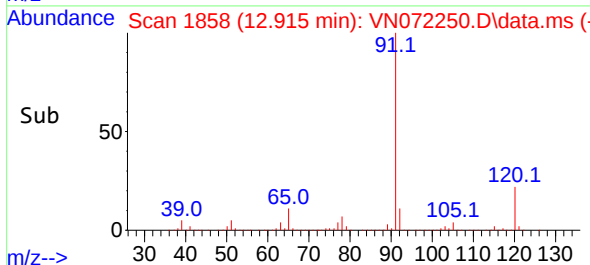
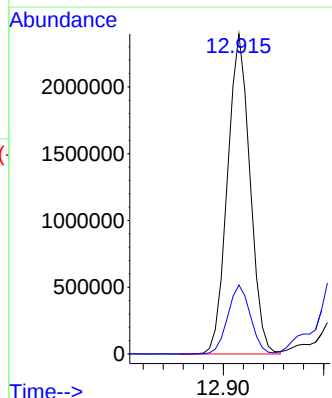
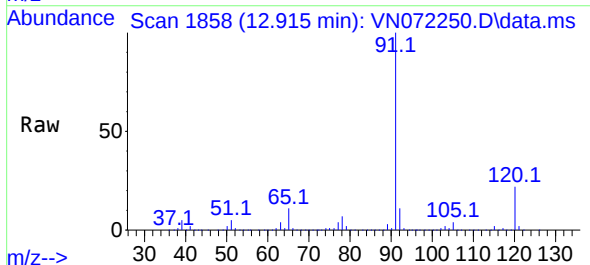
Manual Integrations
APPROVED

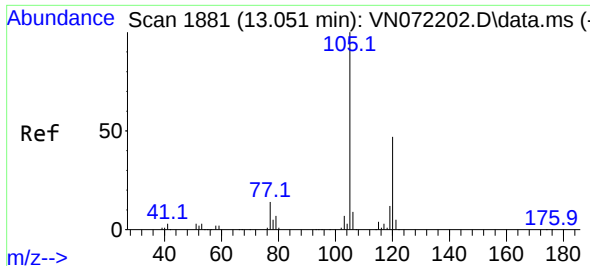
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#78
n-propylbenzene
Concen: 147.405 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

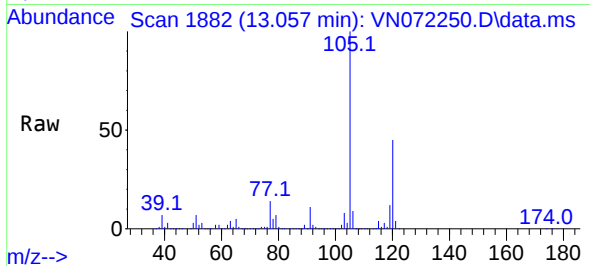
Tgt Ion: 91 Resp: 3726890
Ion Ratio Lower Upper
91 100
120 21.7 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 164.369 ug/l
RT: 13.057 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

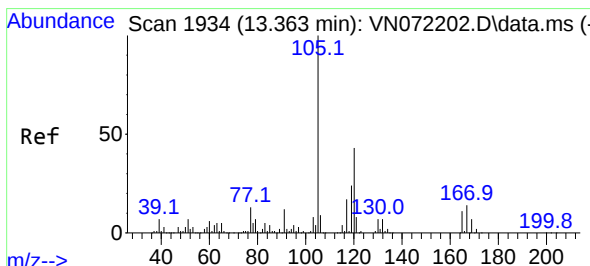
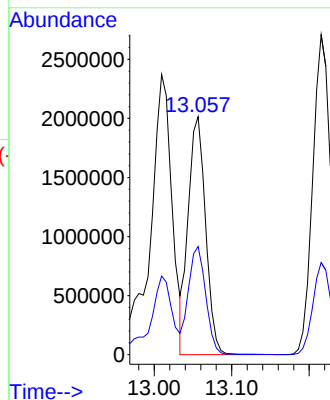
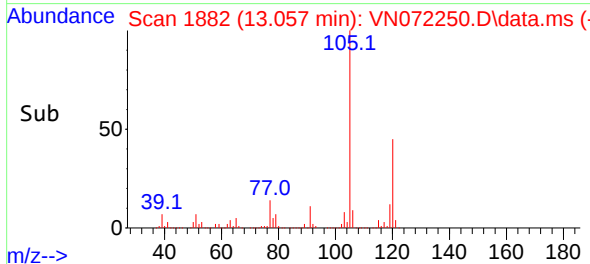
Instrument :
MSVOA_N
ClientSampleId :
MW-14S



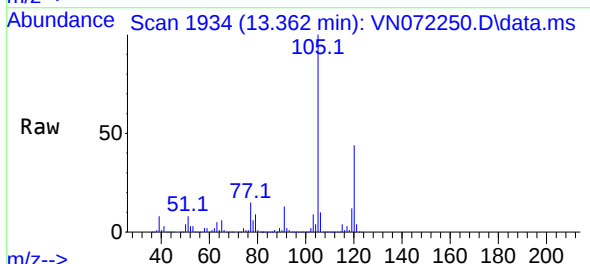
Tgt Ion:105 Resp: 3141630
Ion Ratio Lower Upper
105 100
120 45.5 24.9 74.7

Manual Integrations
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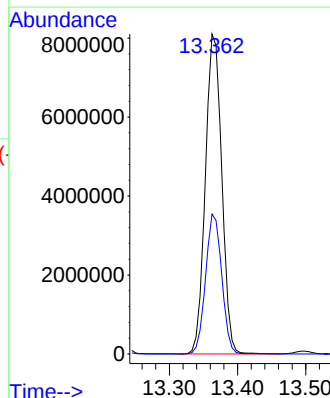
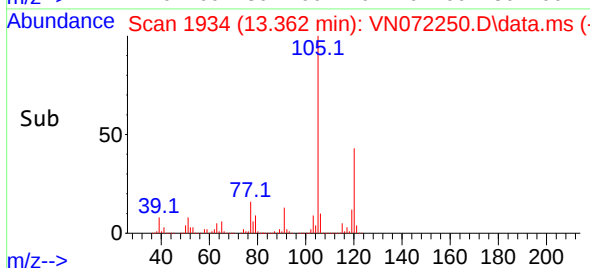
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

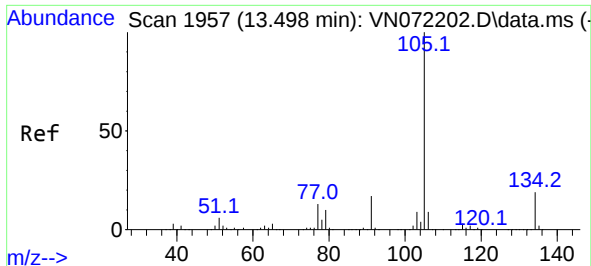


#84
1,2,4-Trimethylbenzene
Concen: 734.659 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.001 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12



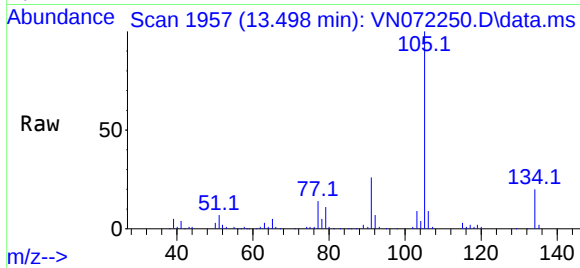
Tgt Ion:105 Resp:13585965
Ion Ratio Lower Upper
105 100
120 43.1 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 5.785 ug/l m
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN072250.D
 Acq: 28 Apr 2022 20:12

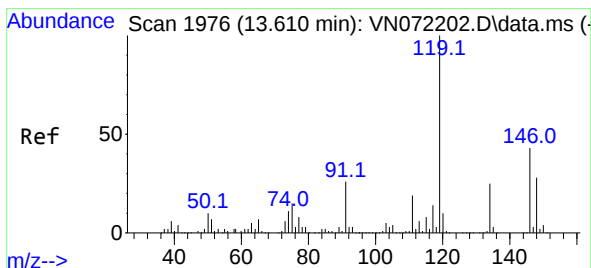
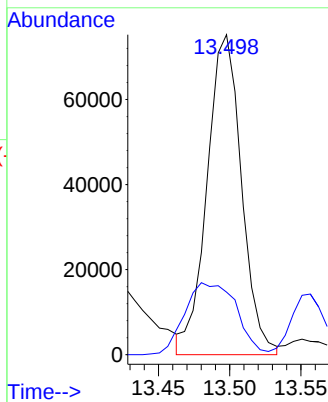
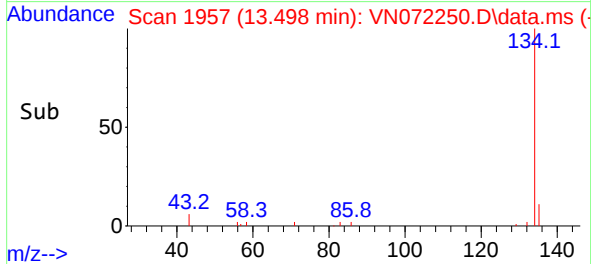
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14S



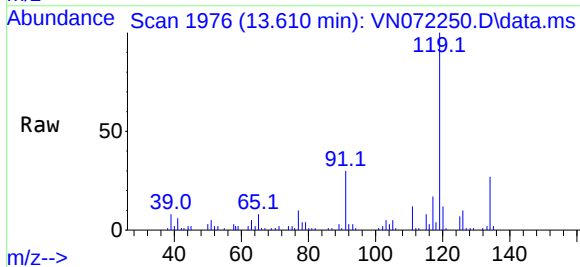
Tgt Ion:105 Resp: 126558
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

Manual Integrations
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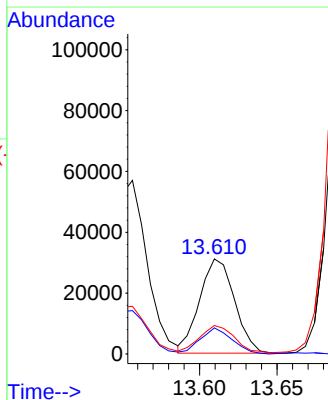
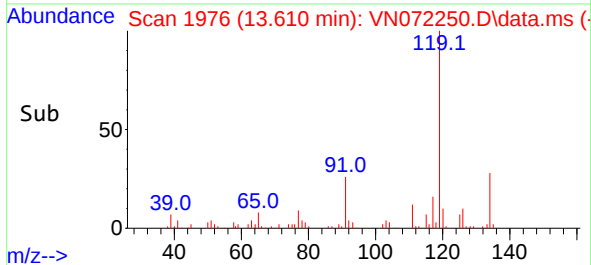
Reviewed By :John Carlone 04/29/2022
 Supervised By :Mahesh Dadoda 04/29/2022

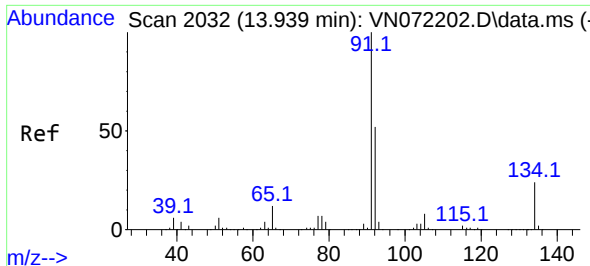


#86
 p-Isopropyltoluene
 Concen: 2.849 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN072250.D
 Acq: 28 Apr 2022 20:12



Tgt Ion:119 Resp: 48597
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.3 39.8
 91 0.0 11.3 33.9





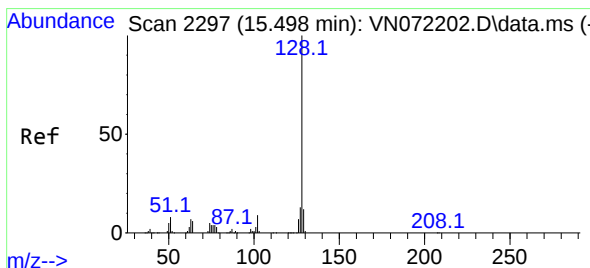
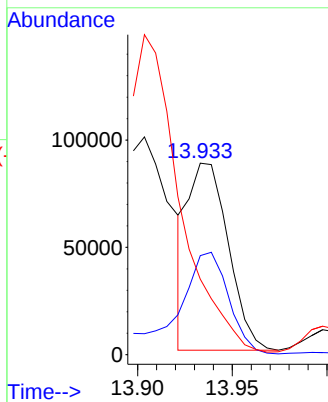
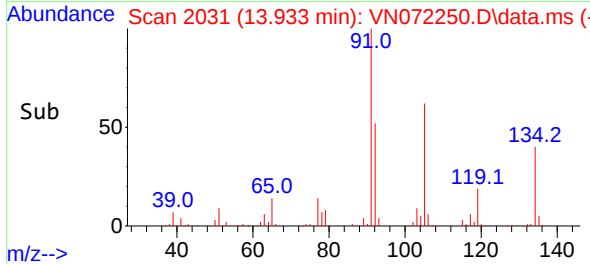
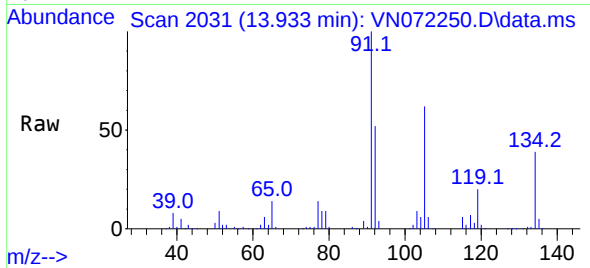
#89
n-Butylbenzene
Concen: 9.880 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

Instrument :
MSVOA_N
ClientSampleId :
MW-14S

Tgt Ion: 91 Resp: 129084
Ion Ratio Lower Upper
91 100
92 63.2 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#95
Naphthalene
Concen: 218.166 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072250.D
Acq: 28 Apr 2022 20:12

Tgt Ion:128 Resp: 3149255
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.7 8.6 13.0

