

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079861.D
 Acq On : 03 Nov 2023 20:02
 Operator : JC\MD
 Sample : 05230-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 60088

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023

Quant Time: Nov 04 00:58:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	224583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	449648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	465520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	188123	54.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.960%			
35) Dibromofluoromethane	8.171	113	154791	48.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.280%			
50) Toluene-d8	10.570	98	546690	46.663	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.320%			
62) 4-Bromofluorobenzene	12.853	95	200744	51.665	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.320%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	241965	201.324	ug/l	95
31) Cyclohexane	8.224	56	10328	2.284	ug/l #	61
39) Methylcyclohexane	9.606	83	5846	1.367	ug/l #	88
40) Benzene	8.612	78	98652	7.249	ug/l	100
52) Toluene	10.635	92	546912	67.784	ug/l	97
67) Ethyl Benzene	11.970	91	267793	15.221	ug/l	97
68) m/p-Xylenes	12.070	106	391830	59.787	ug/l	93
69) o-Xylene	12.400	106	179193	28.394	ug/l	90
73) Isopropylbenzene	12.694	105	20239	1.321	ug/l	95
78) n-propylbenzene	13.035	91	50099	2.856	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	74970	6.291	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	310092	26.448	ug/l	99
85) sec-Butylbenzene	13.617	105	3574m	0.264	ug/l	
86) p-Isopropyltoluene	13.735	119	2284m	0.207	ug/l	
89) n-Butylbenzene	14.058	91	4557	0.480	ug/l #	83
95) Naphthalene	15.647	128	47416	4.465	ug/l	99

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

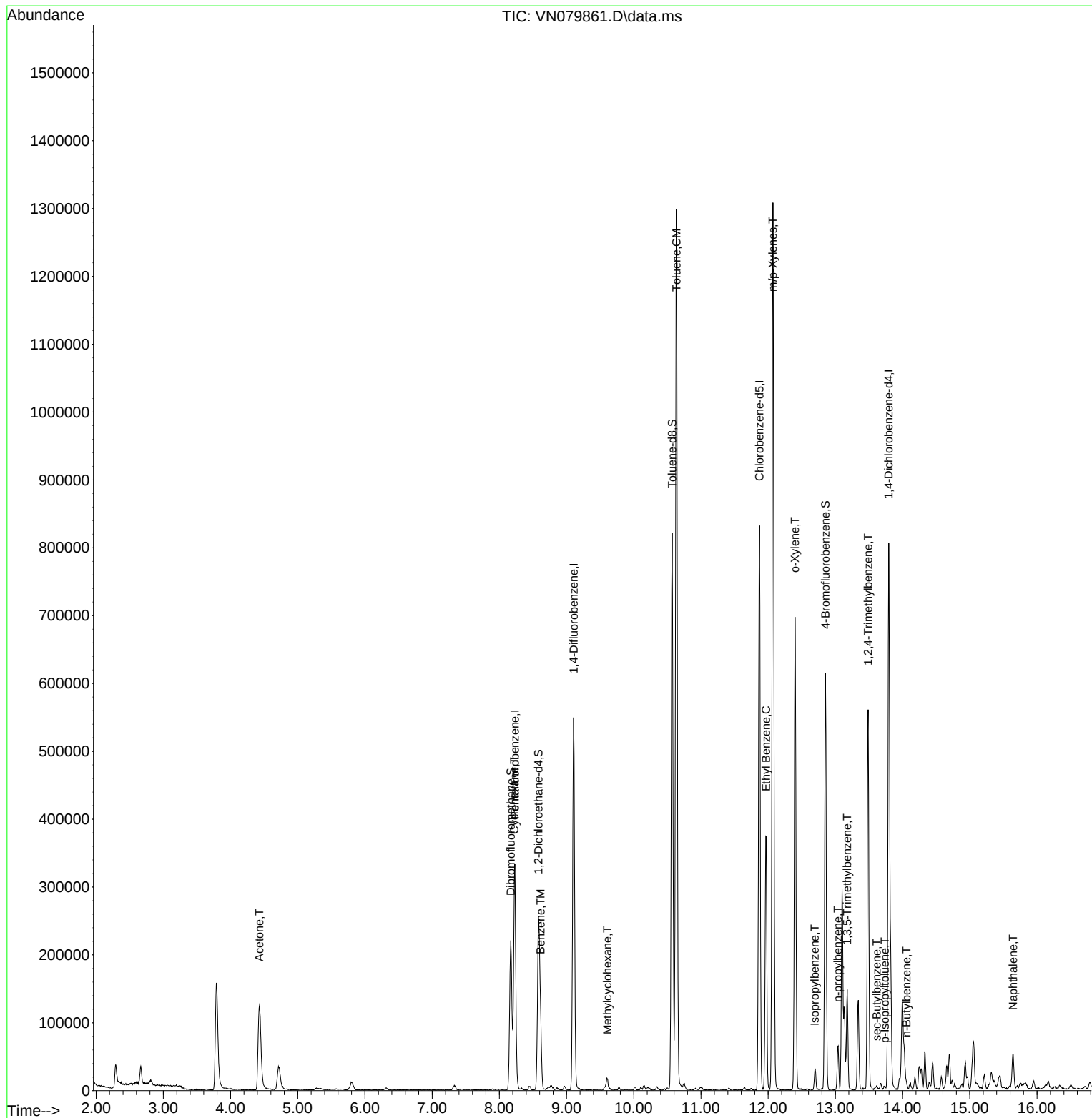
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
Data File : VN079861.D
Acq On : 03 Nov 2023 20:02
Operator : JC\MD
Sample : 05230-03 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

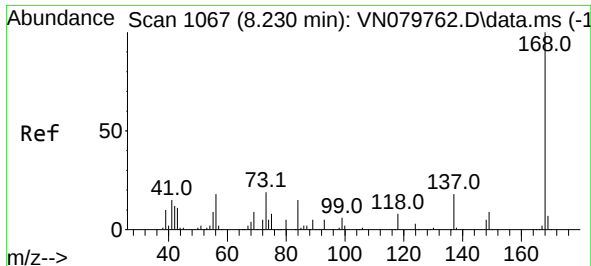
Instrument :
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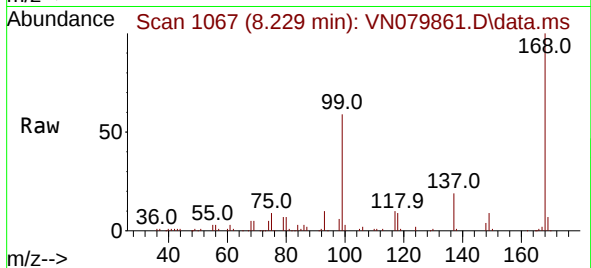
Quant Time: Nov 04 00:58:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

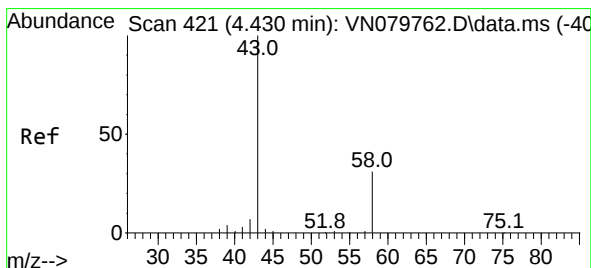
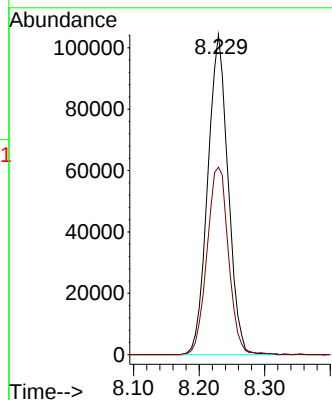
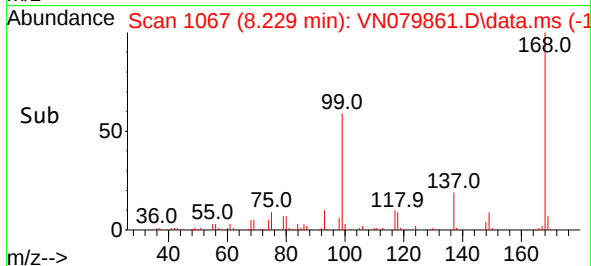
Instrument :
MSVOA_N
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60088



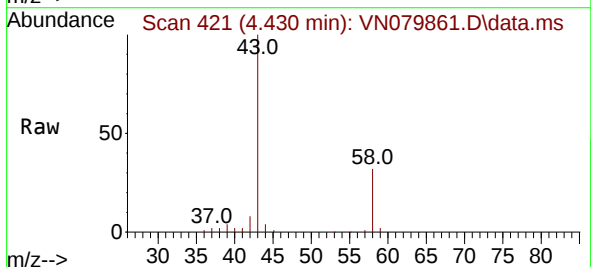
Tgt Ion:168 Resp: 22458
Ion Ratio Lower Upper
168 100
99 58.6 53.0 79.6

Manual Integrations
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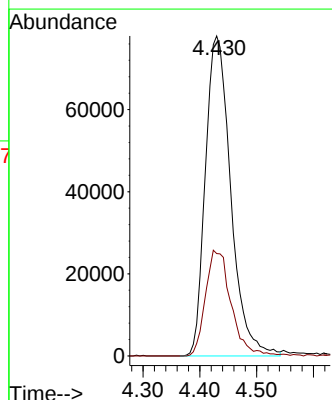
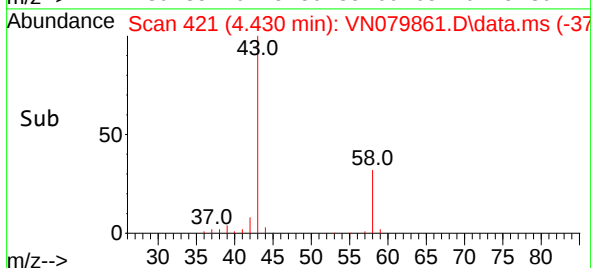
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

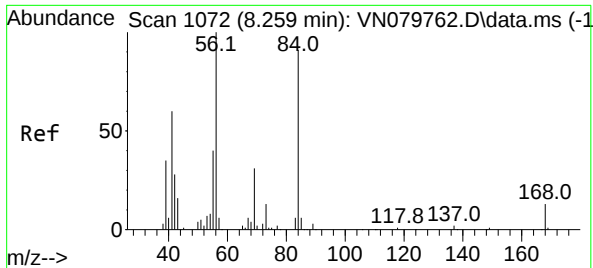


#16
Acetone
Concen: 201.324 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02



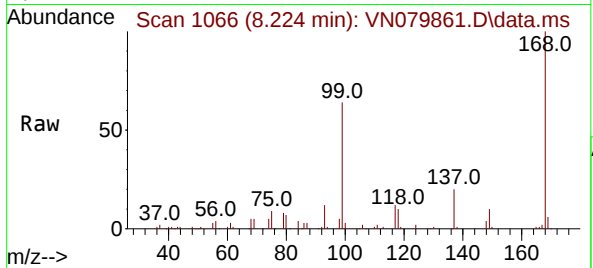
Tgt Ion: 43 Resp: 241965
Ion Ratio Lower Upper
43 100
58 32.0 28.0 42.0





#31
Cyclohexane
Concen: 2.284 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

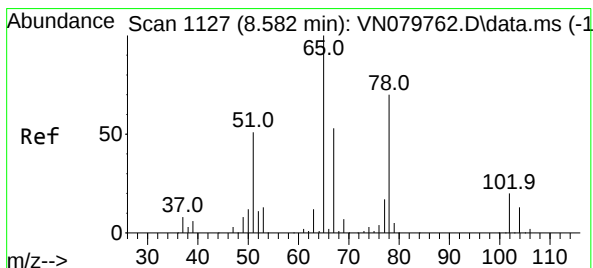
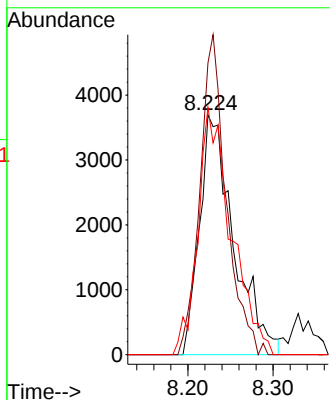
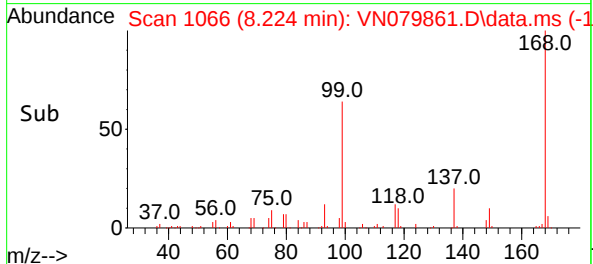
Instrument :
MSVOA_N
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60088



Tgt Ion: 56 Resp: 10328
Ion Ratio Lower Upper
56 100
69 121.7 26.8 40.2
84 103.1 81.8 122.6

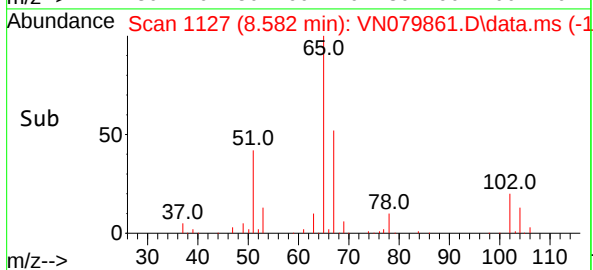
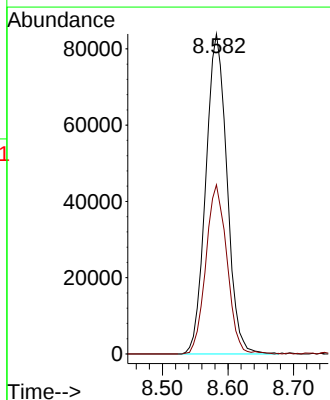
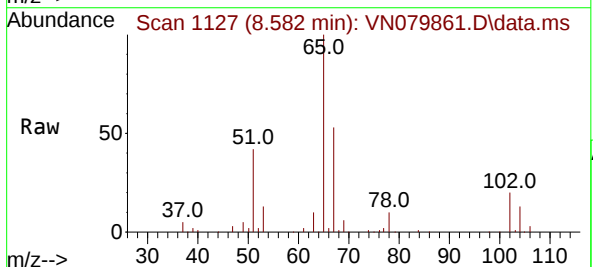
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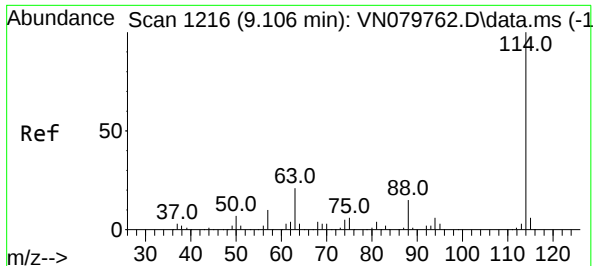
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#33
1,2-Dichloroethane-d4
Concen: 54.981 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

Tgt Ion: 65 Resp: 188123
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN079861.D

Acq: 03 Nov 2023 20:02

Instrument :

MSVOA_N

ClientSampleId :

60088

Tgt Ion:114 Resp: 44964

Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

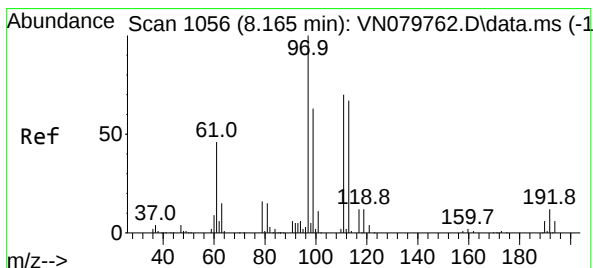
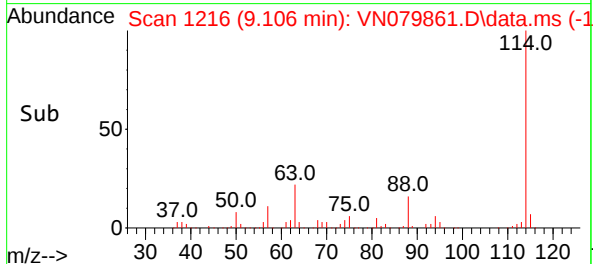
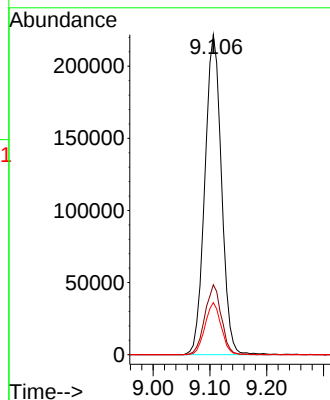
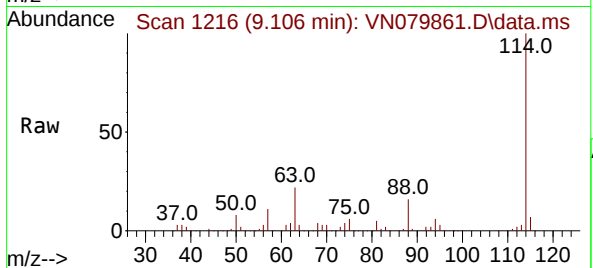
88 16.3 0.0 30.6

Manual Integrations

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#35

Dibromofluoromethane

Concen: 48.639 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079861.D

Acq: 03 Nov 2023 20:02

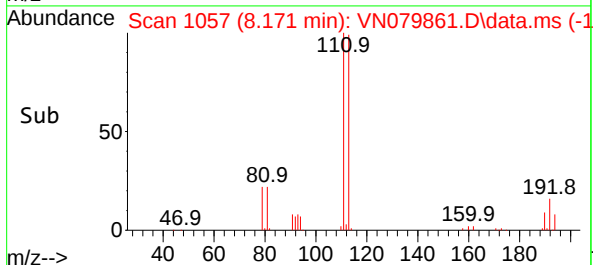
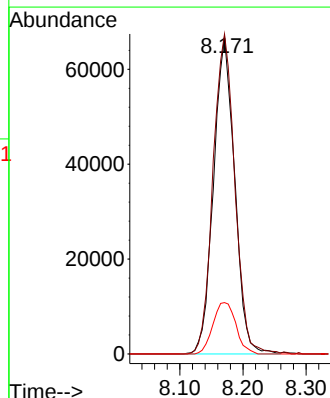
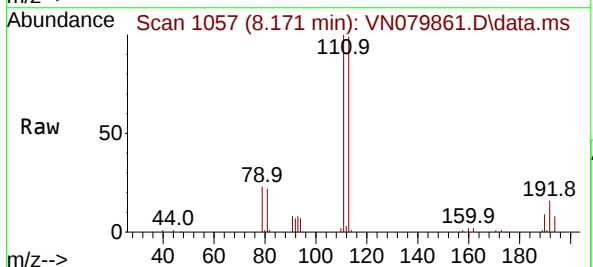
Tgt Ion:113 Resp: 154791

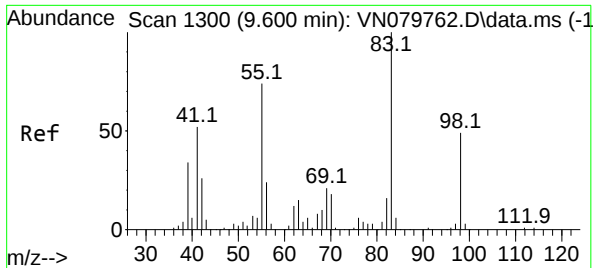
Ion Ratio Lower Upper

113 100

111 104.5 82.6 123.8

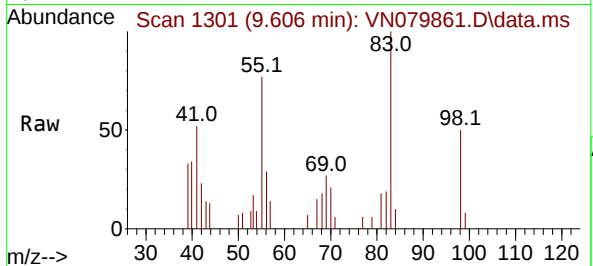
192 17.7 12.7 19.1





#39
Methylcyclohexane
Concen: 1.367 ug/l
RT: 9.606 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

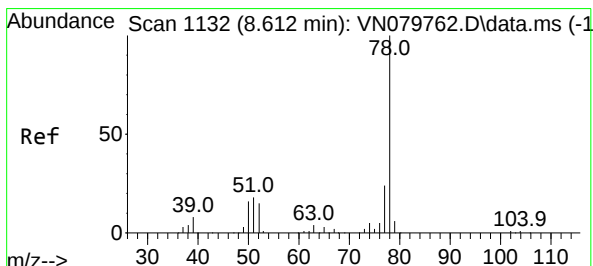
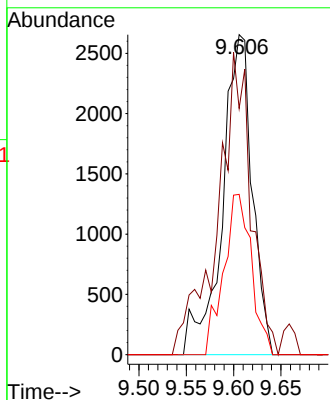
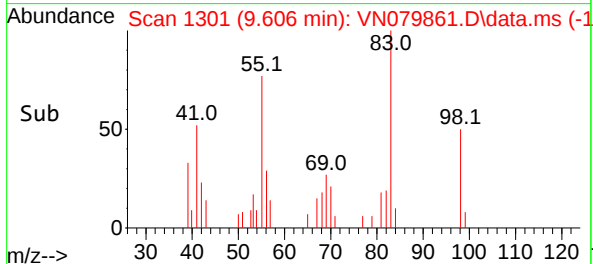
Instrument :
MSVOA_N
ClientSampleId :
60088



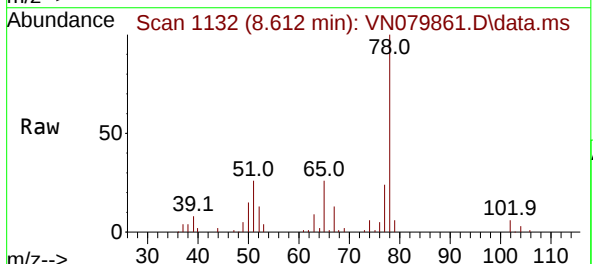
Tgt Ion: 83 Resp: 5840
Ion Ratio Lower Upper
83 100
55 76.9 49.1 73.7
98 50.1 40.6 61.0

Manual Integrations
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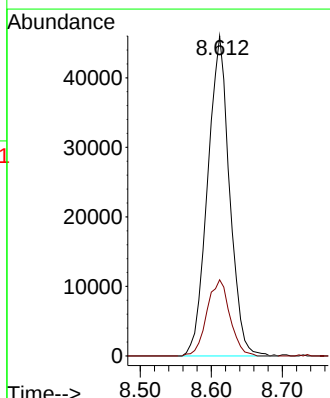
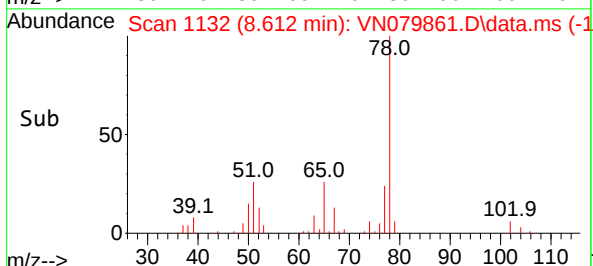
Reviewed By :John Carlone 11/04/2023
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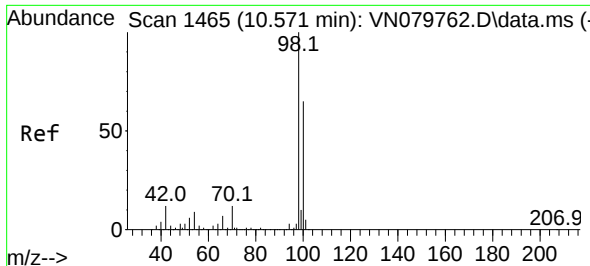


#40
Benzene
Concen: 7.249 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02



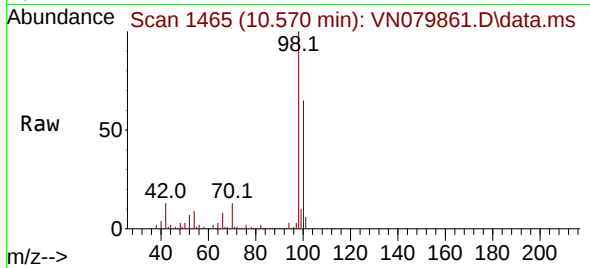
Tgt Ion: 78 Resp: 98652
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6





#50
Toluene-d8
Concen: 46.663 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

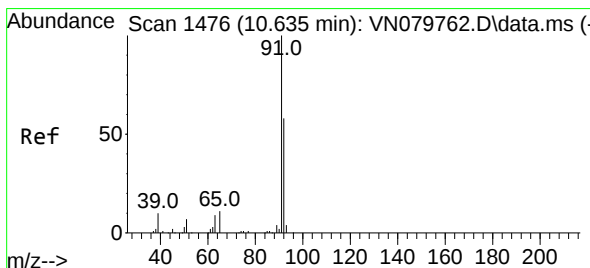
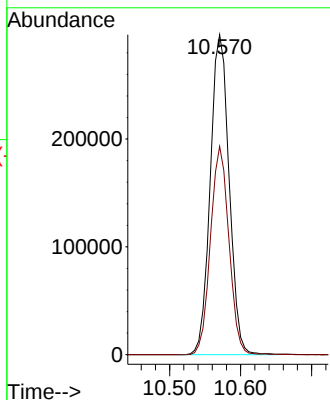
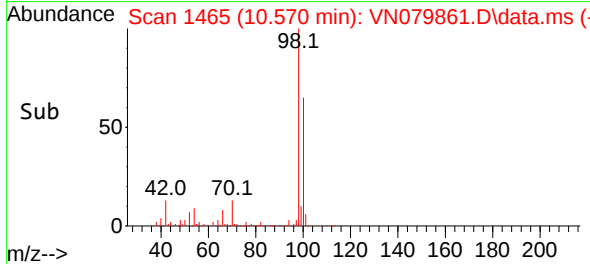
Instrument :
MSVOA_N
ClientSampleId :
60088



Tgt Ion: 98 Resp: 546690
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0

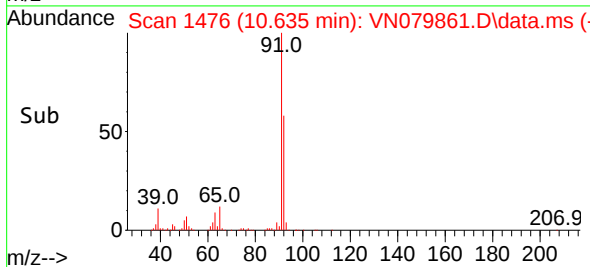
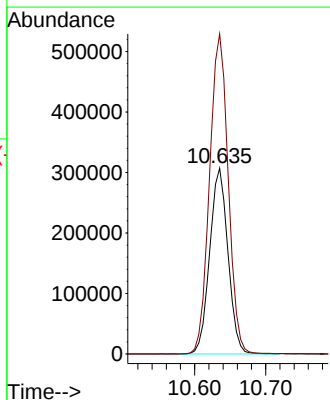
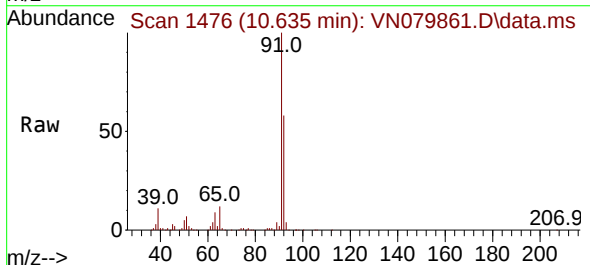
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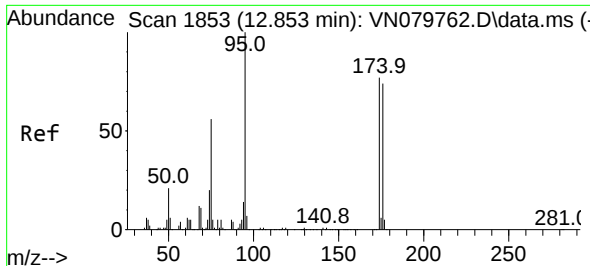
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#52
Toluene
Concen: 67.784 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

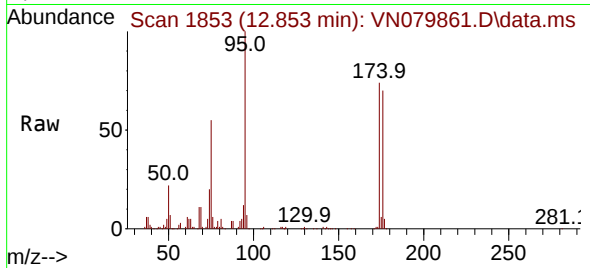
Tgt Ion: 92 Resp: 546912
Ion Ratio Lower Upper
92 100
91 176.5 137.4 206.0





#62
4-Bromofluorobenzene
Concen: 51.665 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

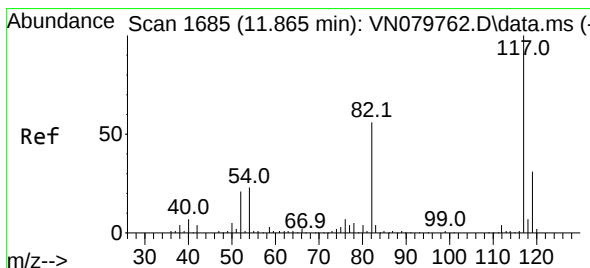
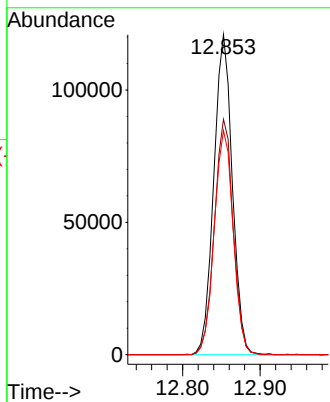
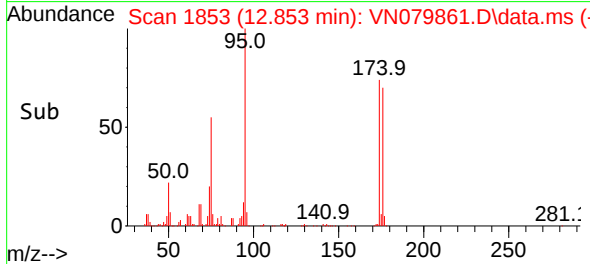
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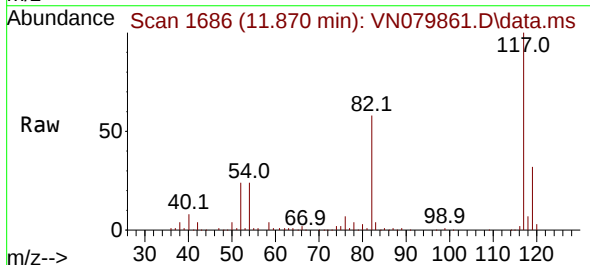
Tgt Ion: 95 Resp: 200744
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.8
176 71.7 0.0 135.8

Manual Integrations
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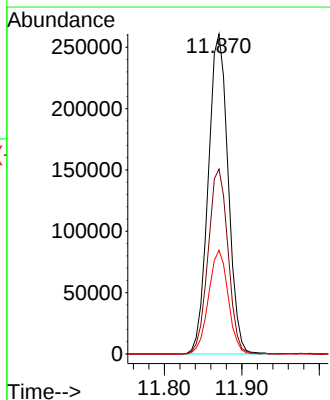
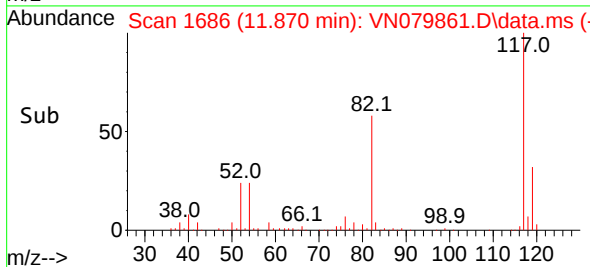
Reviewed By :John Carlone 11/04/2023
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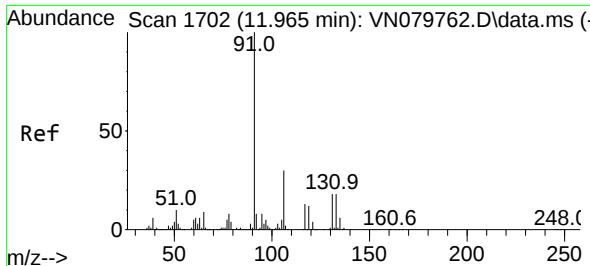


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02



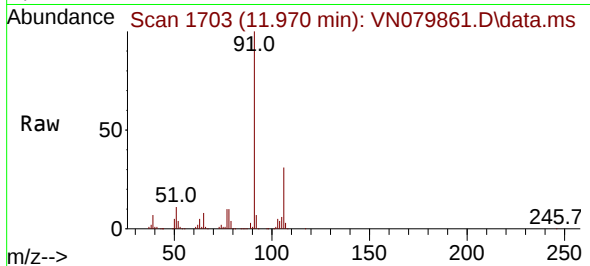
Tgt Ion:117 Resp: 465520
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 32.4 25.6 38.4





#67
Ethyl Benzene
Concen: 15.221 ug/l
RT: 11.970 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

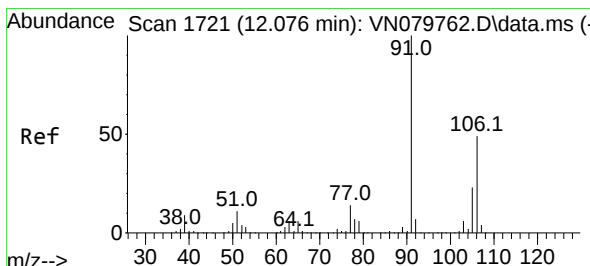
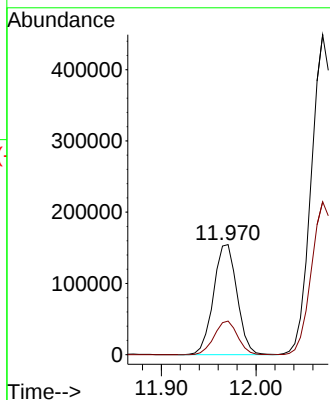
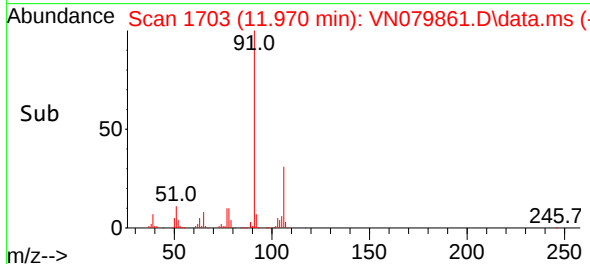
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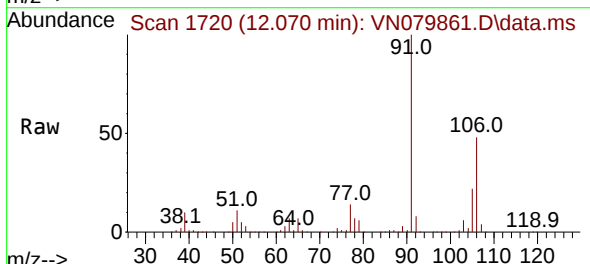
Tgt Ion: 91 Resp: 267793
Ion Ratio Lower Upper
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106 30.5 25.6 38.4

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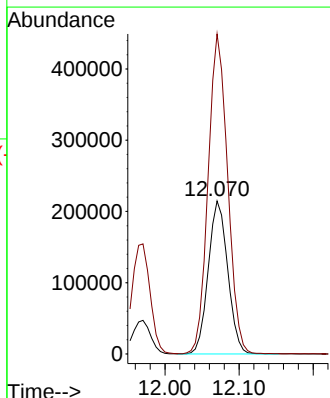
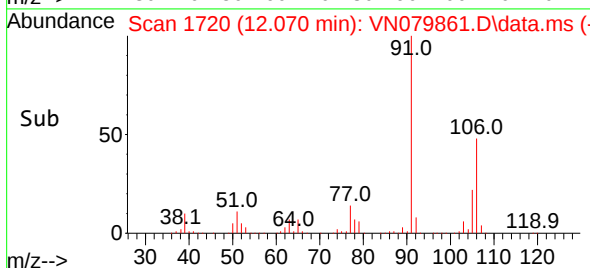
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

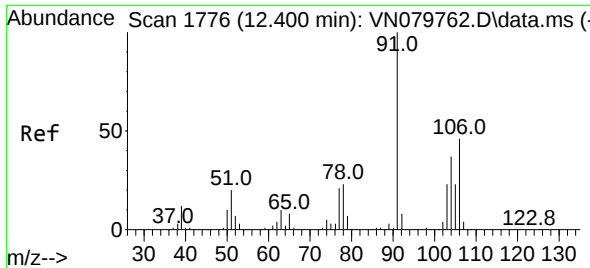


#68
m/p-Xylenes
Concen: 59.787 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02



Tgt Ion:106 Resp: 391830
Ion Ratio Lower Upper
106 100
91 209.5 159.6 239.4





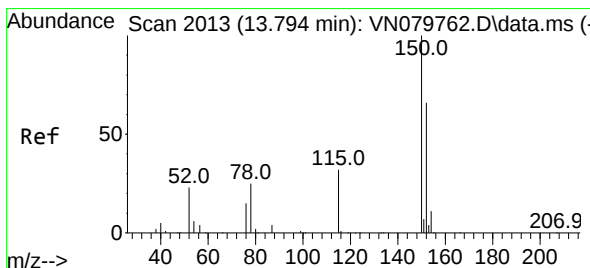
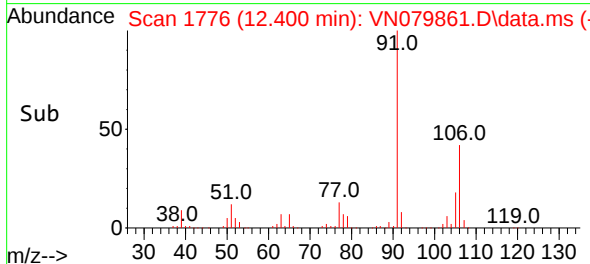
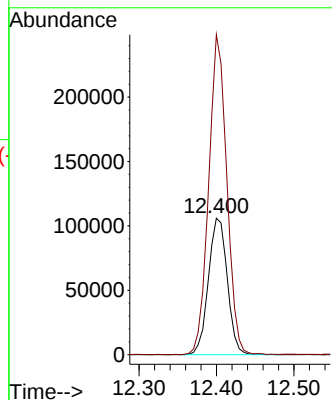
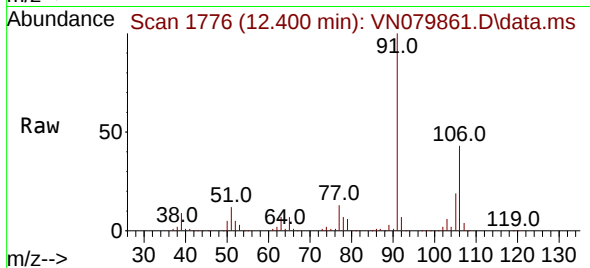
#69
o-Xylene
Concen: 28.394 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

Instrument :
MSVOA_N
ClientSampleId :
60088

Tgt Ion:106 Resp: 17919
Ion Ratio Lower Upper
106 100
91 225.3 105.2 315.5

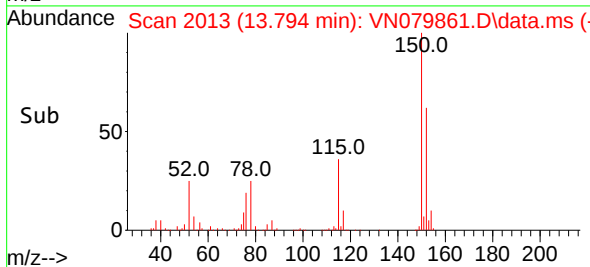
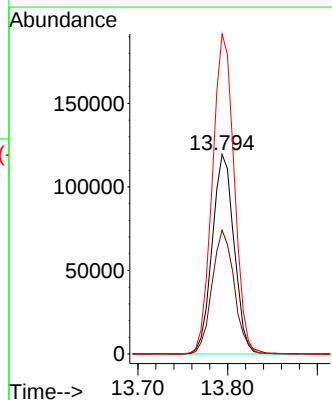
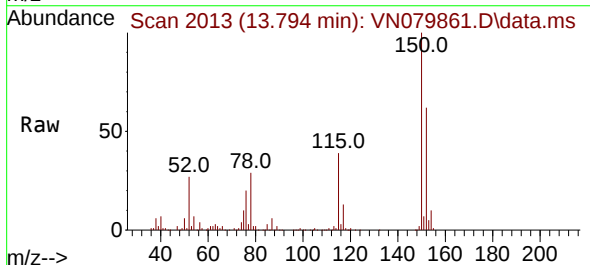
Manual Integrations
APPROVED

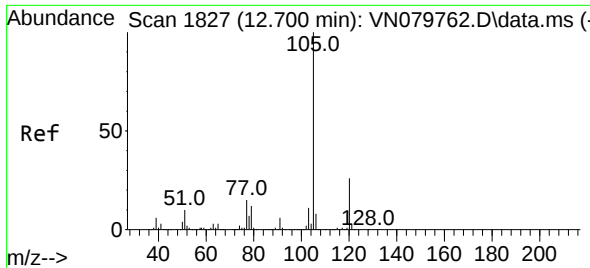
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

Tgt Ion:152 Resp: 201822
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 160.3 0.0 355.8





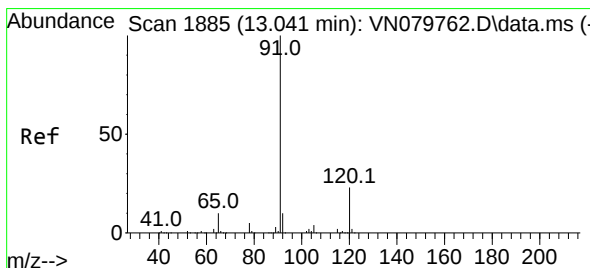
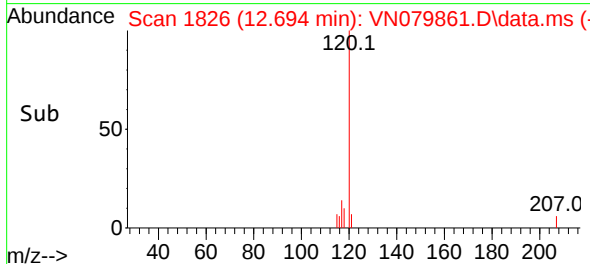
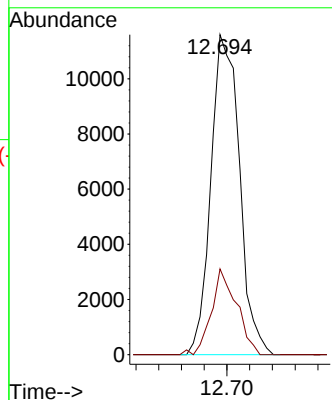
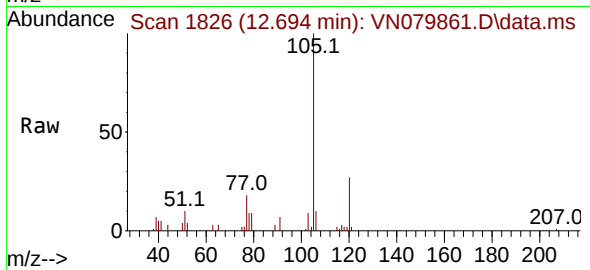
#73
Isopropylbenzene
Concen: 1.321 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

Instrument :
MSVOA_N
ClientSampleId :
60088

Tgt Ion:105 Resp: 20239
Ion Ratio Lower Upper
105 100
120 23.7 13.1 39.1

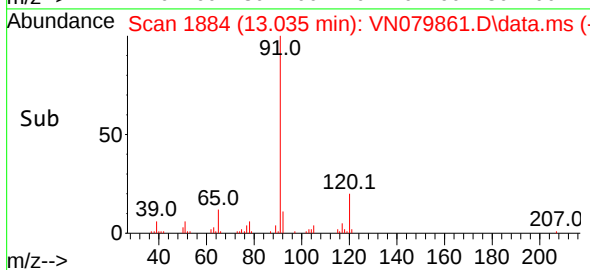
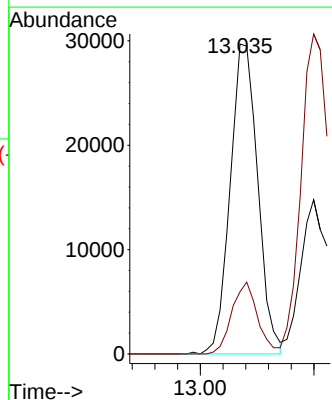
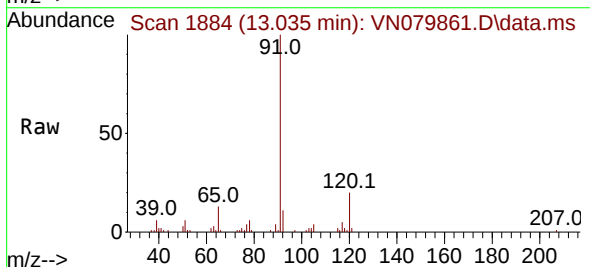
Manual Integrations
APPROVED

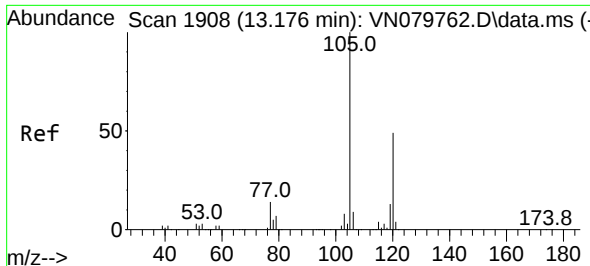
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#78
n-propylbenzene
Concen: 2.856 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

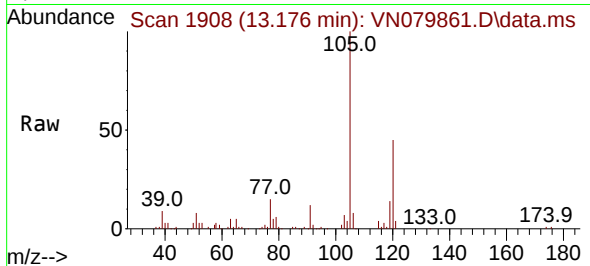
Tgt Ion: 91 Resp: 50099
Ion Ratio Lower Upper
91 100
120 21.3 11.5 34.4





#80
1,3,5-Trimethylbenzene
Concen: 6.291 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

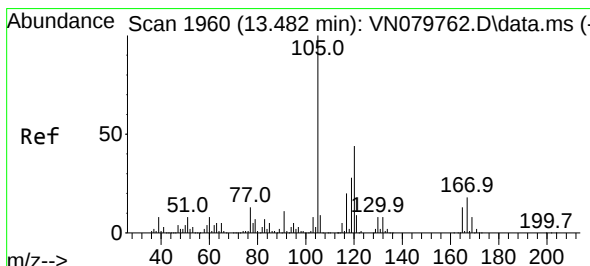
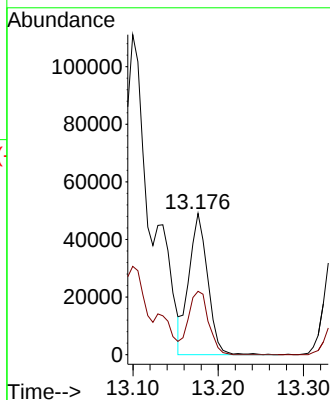
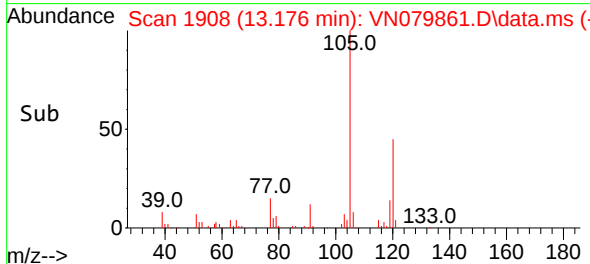
Instrument :
MSVOA_N
ClientSampleId :
60088



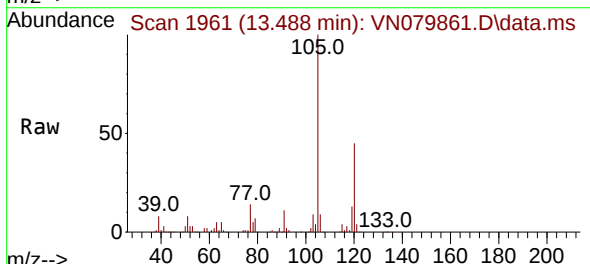
Tgt Ion:105 Resp: 74970
Ion Ratio Lower Upper
105 100
120 48.4 24.1 72.3

Manual Integrations
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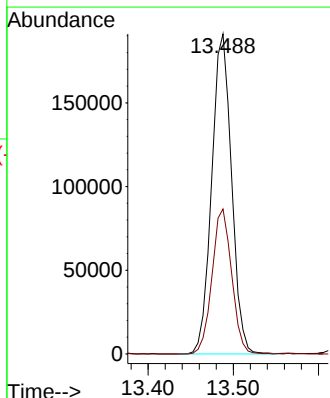
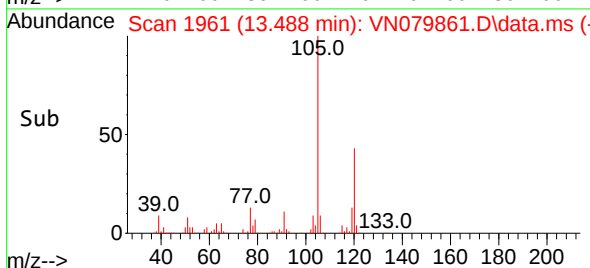
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

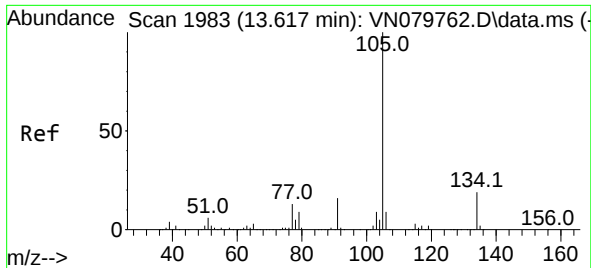


#84
1,2,4-Trimethylbenzene
Concen: 26.448 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02



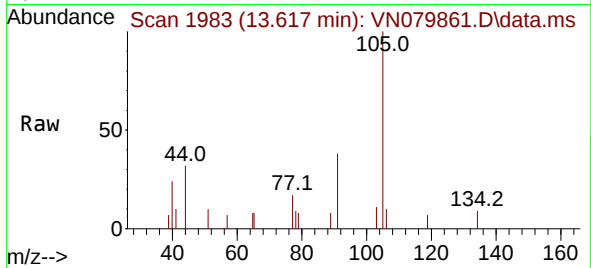
Tgt Ion:105 Resp: 310092
Ion Ratio Lower Upper
105 100
120 44.8 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 0.264 ug/l m
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN079861.D
 Acq: 03 Nov 2023 20:02

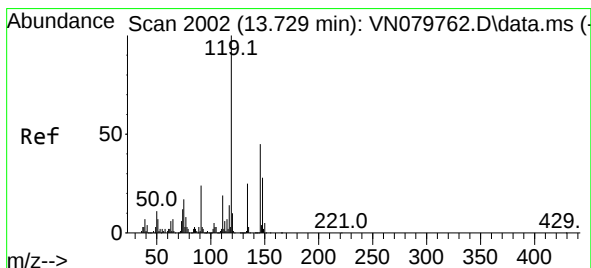
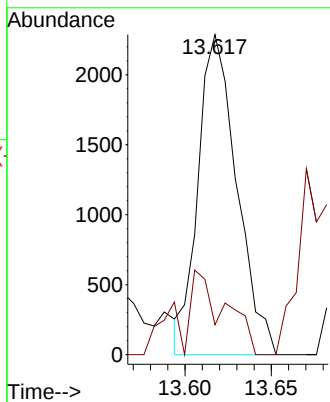
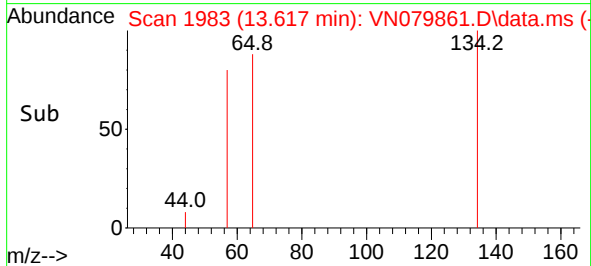
Instrument :
 MSVOA_N
 ClientSampleId :
 60088



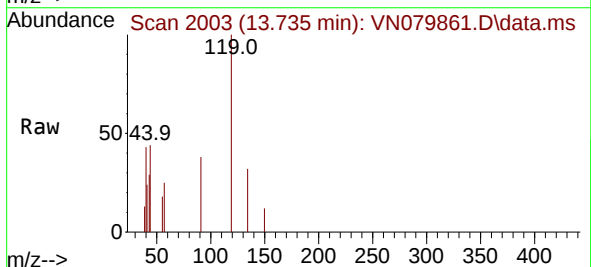
Tgt Ion:105 Resp: 3574
 Ion Ratio Lower Upper
 105 100
 134 9.5 9.8 29.3#

Manual Integrations
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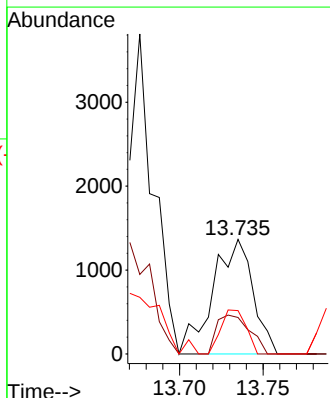
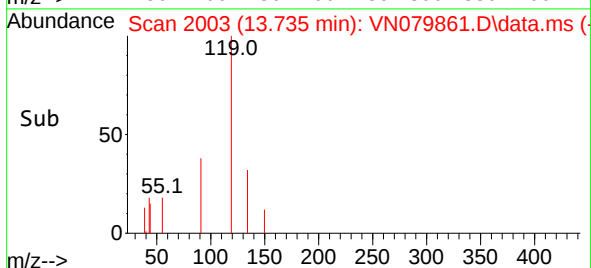
Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023

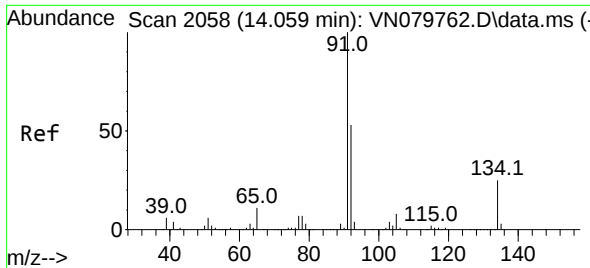


#86
 p-Isopropyltoluene
 Concen: 0.207 ug/l m
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN079861.D
 Acq: 03 Nov 2023 20:02



Tgt Ion:119 Resp: 2284
 Ion Ratio Lower Upper
 119 100
 134 72.5 12.6 37.8#
 91 62.2 12.4 37.2#





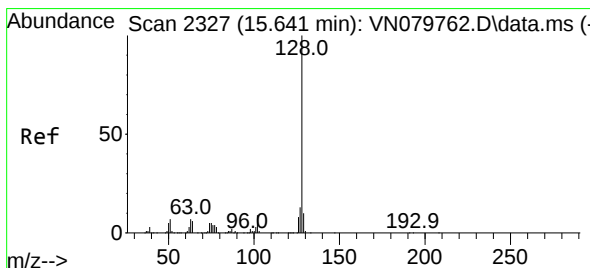
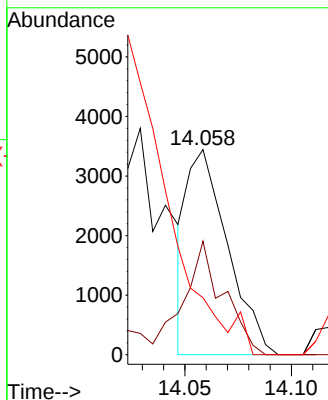
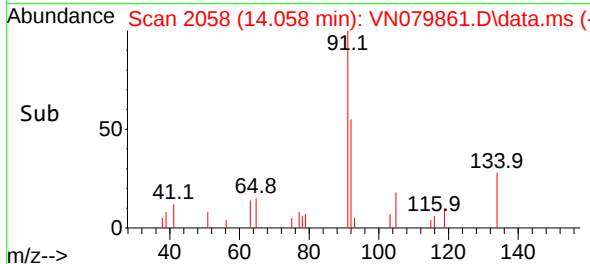
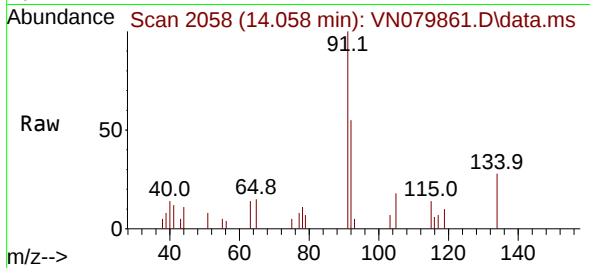
#89
n-Butylbenzene
Concen: 0.480 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

Instrument :
MSVOA_N
ClientSampleId :
60088

Tgt Ion: 91 Resp: 455
Ion Ratio Lower Upper
91 100
92 54.1 26.4 79.0
134 0.0 12.6 37.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#95
Naphthalene
Concen: 4.465 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN079861.D
Acq: 03 Nov 2023 20:02

Tgt Ion:128 Resp: 47416
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.6 8.7 13.1

