

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075803.D
 Acq On : 15 Dec 2022 06:27
 Operator : JC\MD
 Sample : N5990-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP120822

Manual Integrations
 APPROVED

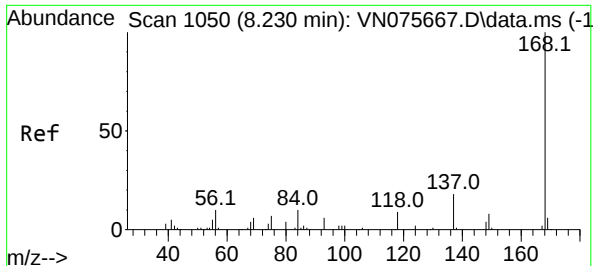
Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 07:45:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

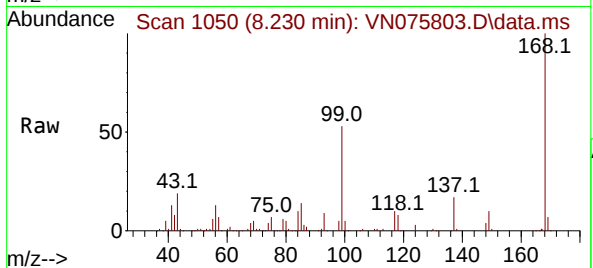
Internal Standards						
1) Pentafluorobenzene	8.230	168	401931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	620651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	555447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	264187	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	200188	45.782	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.560%		
35) Dibromofluoromethane	8.177	113	181092	47.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.240%		
50) Toluene-d8	10.571	98	720050	50.105	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.220%		
62) 4-Bromofluorobenzene	12.853	95	260953	54.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.640%		
Target Compounds						Qvalue
16) Acetone	4.430	43	12049	7.994	ug/l #	55
19) Methyl tert-butyl Ether	5.812	73	75224	6.413	ug/l #	1
31) Cyclohexane	8.265	56	248762	39.723	ug/l #	90
39) Methylcyclohexane	9.606	83	275064	44.654	ug/l	99
40) Benzene	8.612	78	765248	48.577	ug/l	99
52) Toluene	10.635	92	110048	10.726	ug/l	98
64) Tetrachloroethene	11.112	164	1469	0.376	ug/l #	71
65) Chlorobenzene	11.900	112	9417	0.826	ug/l #	88
67) Ethyl Benzene	11.959	91	21949745m	1140.777	ug/l	
68) m/p-Xylenes	12.076	106	15594745	2047.743	ug/l #	1
69) o-Xylene	12.400	106	7079203	939.331	ug/l	97
73) Isopropylbenzene	12.700	105	2152998	112.774	ug/l	99
78) n-propylbenzene	13.041	91	7161396	340.101	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	5403193	338.155	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	19614133m	1237.387	ug/l	
85) sec-Butylbenzene	13.618	105	265181m	13.638	ug/l	
86) p-Isopropyltoluene	13.735	119	132597	8.195	ug/l #	78
89) n-Butylbenzene	14.059	91	253116	19.311	ug/l #	68
95) Naphthalene	15.647	128	13228525	882.164	ug/l	99

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

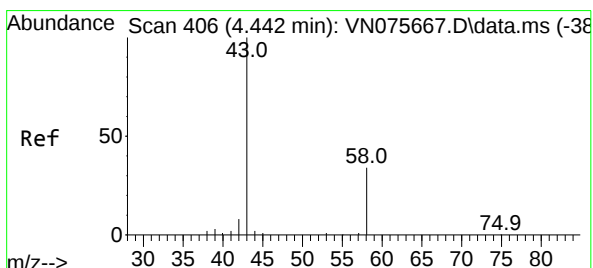
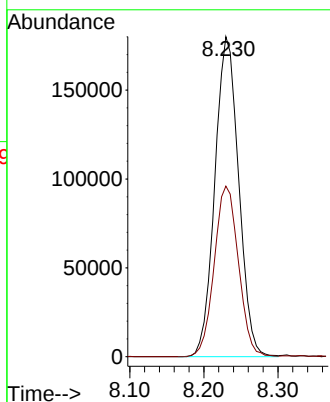
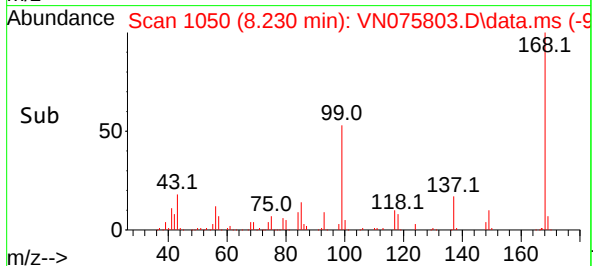
Instrument :
MSVOA_N
ClientSampleId :
DUP120822



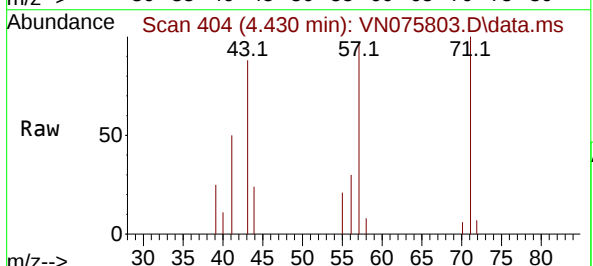
Tgt Ion:168 Resp: 40193
Ion Ratio Lower Upper
168 100
99 53.3 44.2 66.4

Manual Integrations
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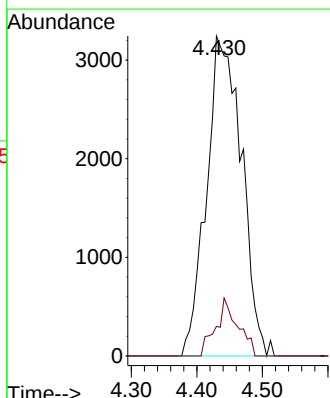
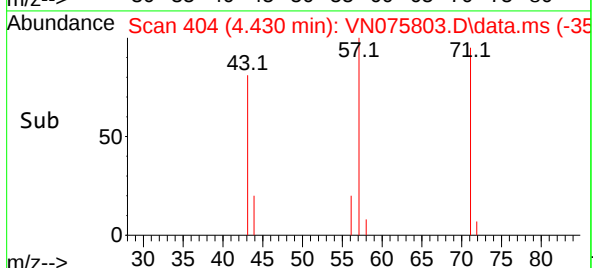
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

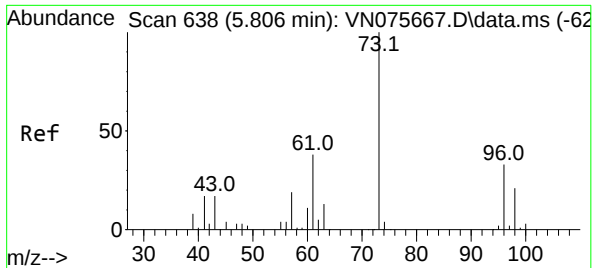


#16
Acetone
Concen: 7.994 ug/l
RT: 4.430 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27



Tgt Ion: 43 Resp: 12049
Ion Ratio Lower Upper
43 100
58 9.2 28.6 43.0#





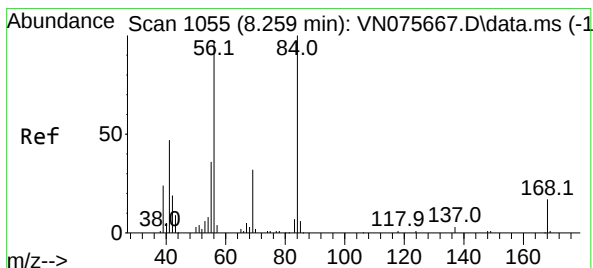
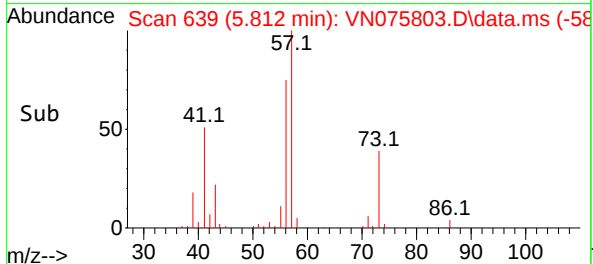
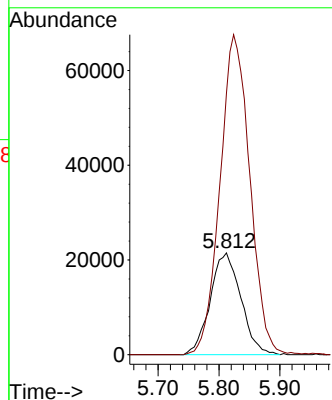
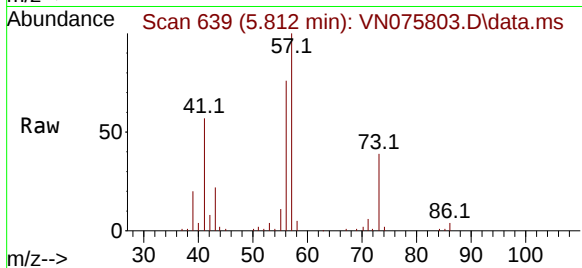
#19
Methyl tert-butyl Ether
Concen: 6.413 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 73 Resp: 75224
Ion Ratio Lower Upper
73 100
57 256.8 17.1 25.7

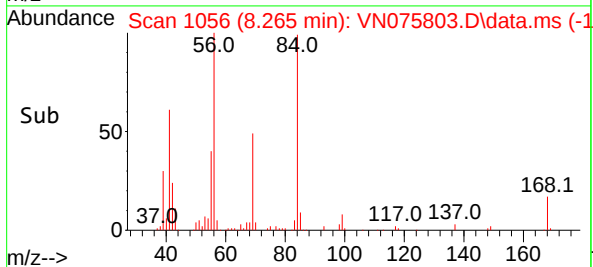
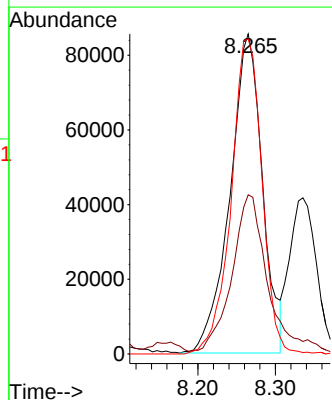
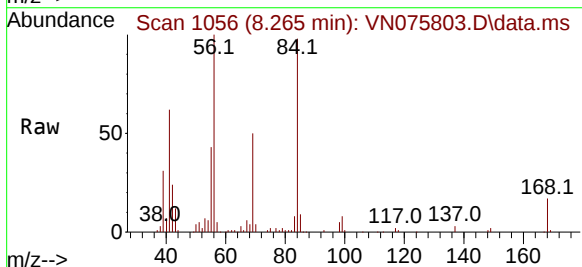
Manual Integrations
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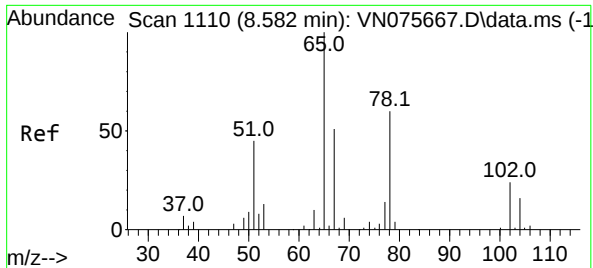
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#31
Cyclohexane
Concen: 39.723 ug/l
RT: 8.265 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

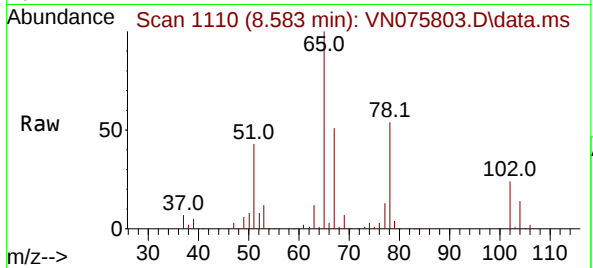
Tgt Ion: 56 Resp: 248762
Ion Ratio Lower Upper
56 100
69 47.4 24.7 37.1#
84 98.7 76.5 114.7





#33
1,2-Dichloroethane-d4
Concen: 45.782 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

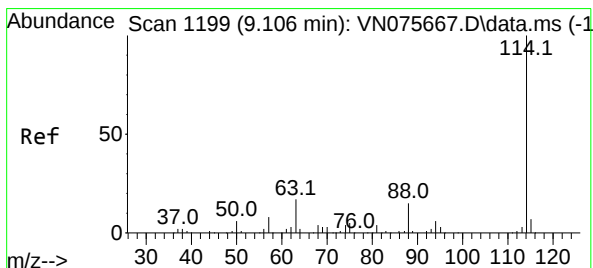
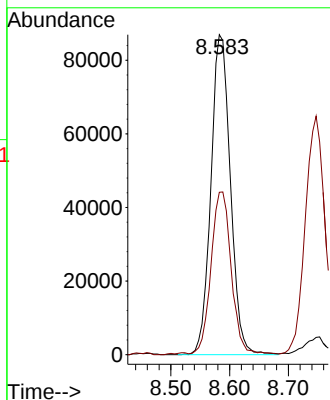
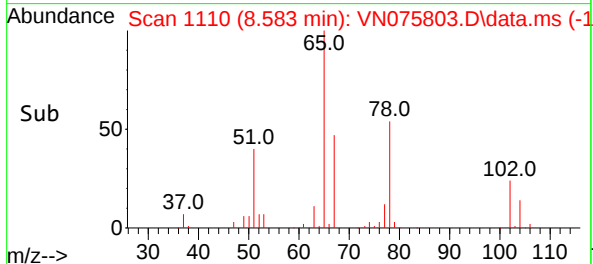
Instrument :
MSVOA_N
ClientSampleId :
DUP120822



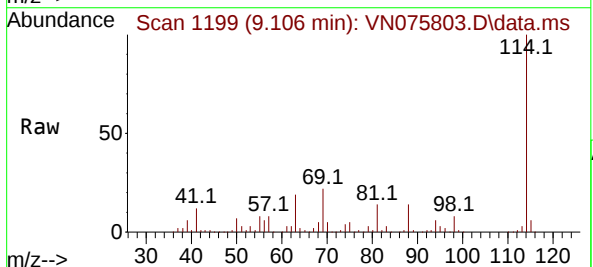
Tgt Ion: 65 Resp: 200188
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4

Manual Integrations
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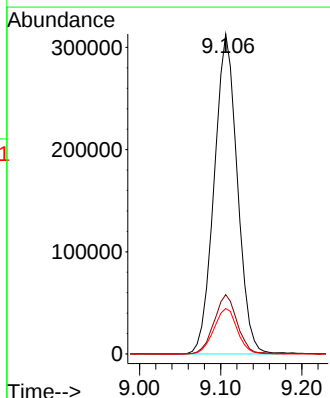
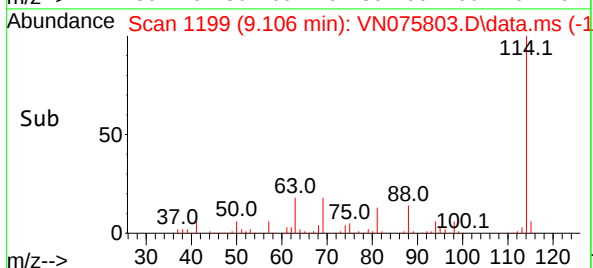
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

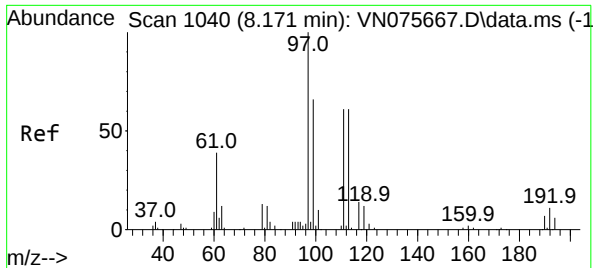


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27



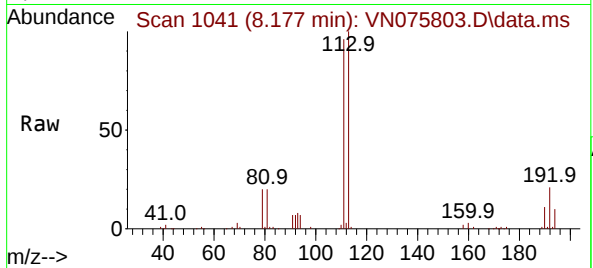
Tgt Ion:114 Resp: 620651
Ion Ratio Lower Upper
114 100
63 18.5 0.0 34.4
88 14.2 0.0 28.8





#35
Dibromofluoromethane
Concen: 47.115 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

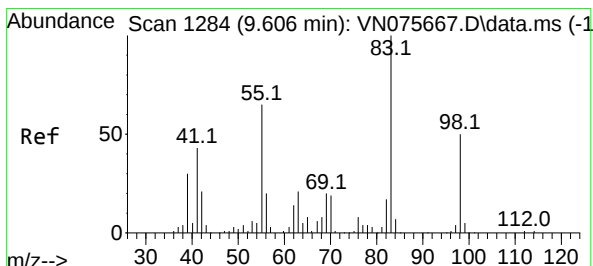
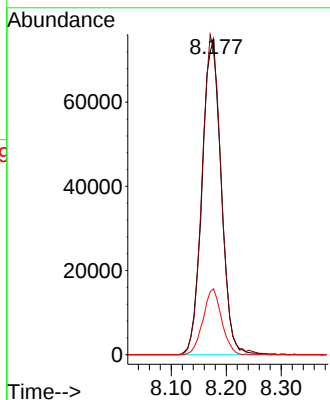
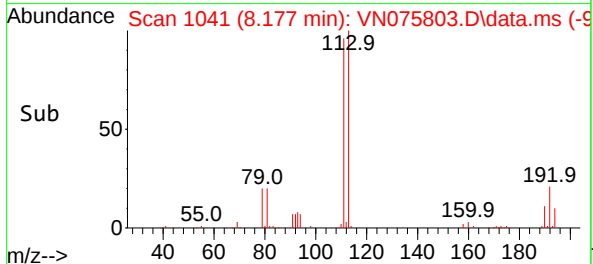
Instrument :
MSVOA_N
ClientSampleId :
DUP120822



Tgt Ion: 113 Resp: 181092
Ion Ratio Lower Upper
113 100
111 101.1 83.4 125.2
192 20.3 16.1 24.1

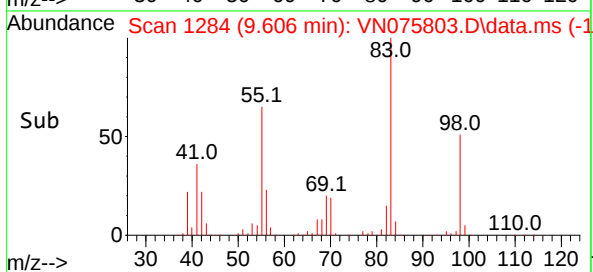
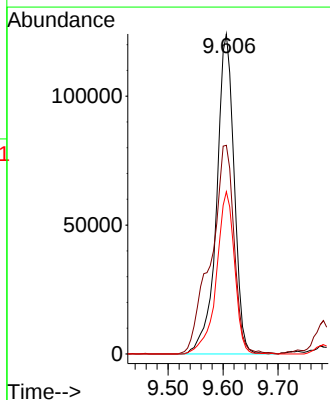
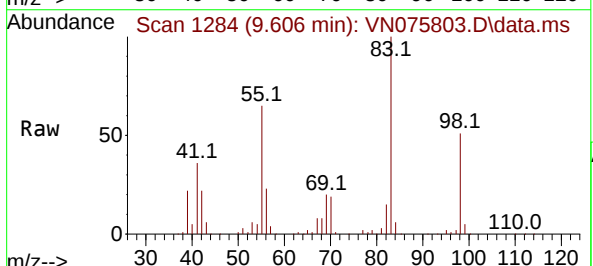
Manual Integrations
APPROVED

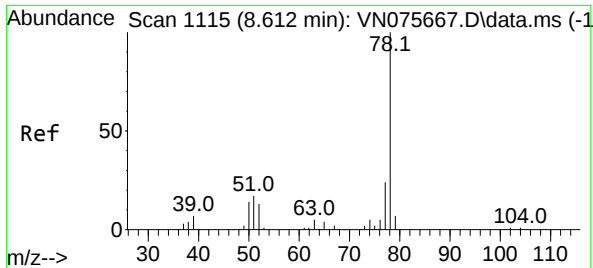
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#39
Methylcyclohexane
Concen: 44.654 ug/l
RT: 9.606 min Scan# 1284
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

Tgt Ion: 83 Resp: 275064
Ion Ratio Lower Upper
83 100
55 65.2 51.4 77.0
98 50.7 39.8 59.8





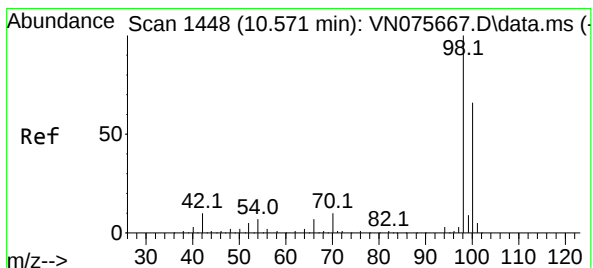
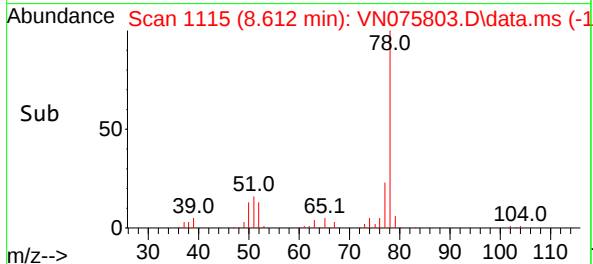
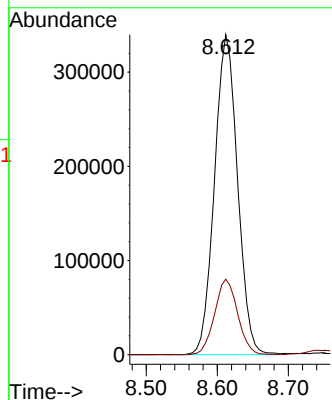
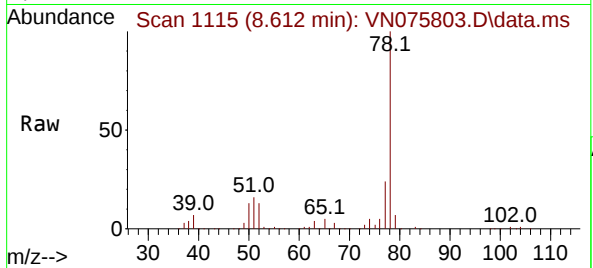
#40
Benzene
Concen: 48.577 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 78 Resp: 765248
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7

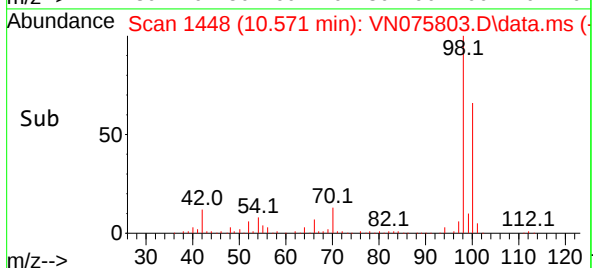
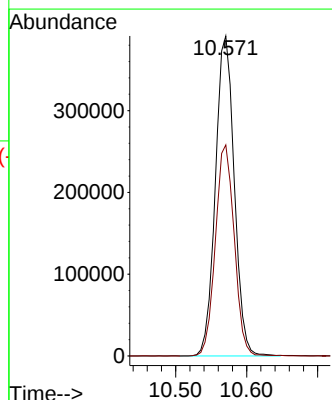
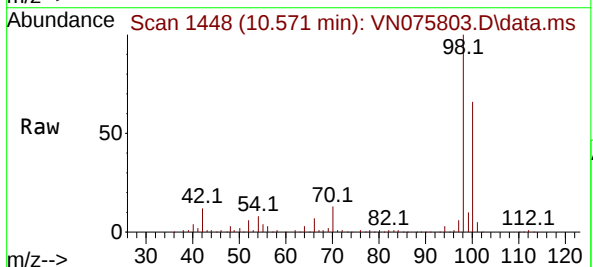
Manual Integrations
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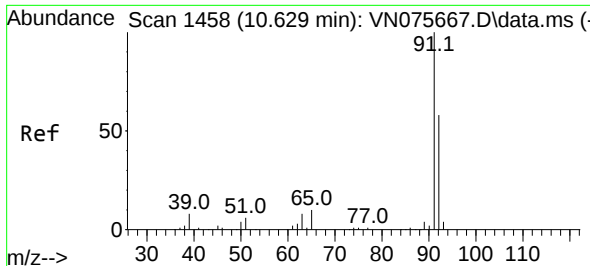
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#50
Toluene-d8
Concen: 50.105 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

Tgt Ion: 98 Resp: 720050
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1





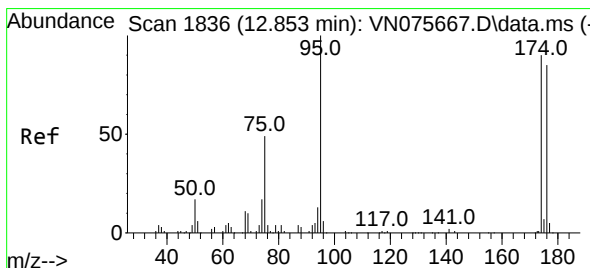
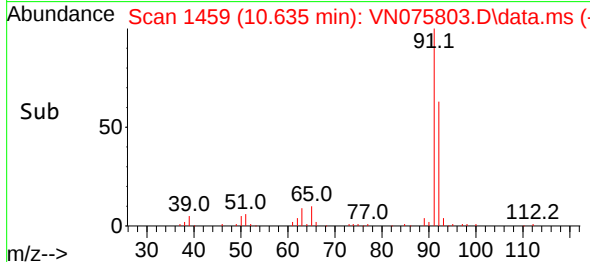
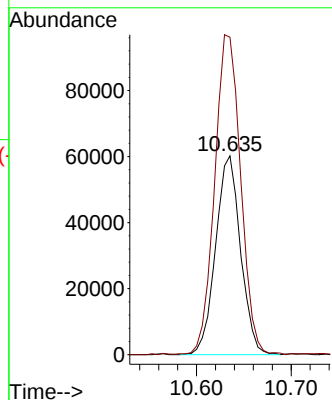
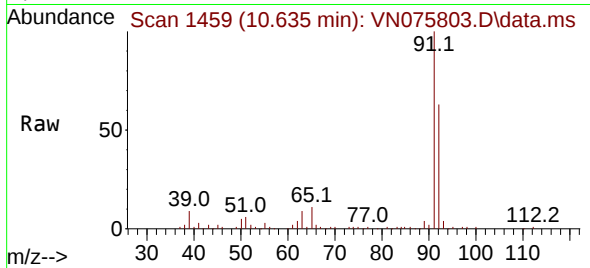
#52
Toluene
Concen: 10.726 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 92 Resp: 11044
Ion Ratio Lower Upper
92 100
91 168.3 137.3 205.9

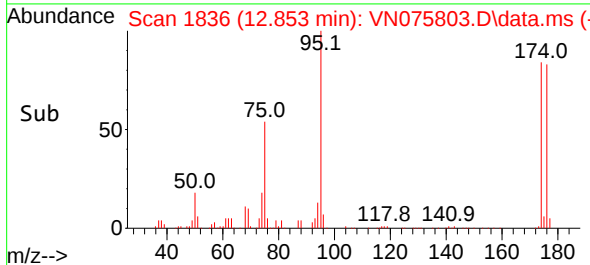
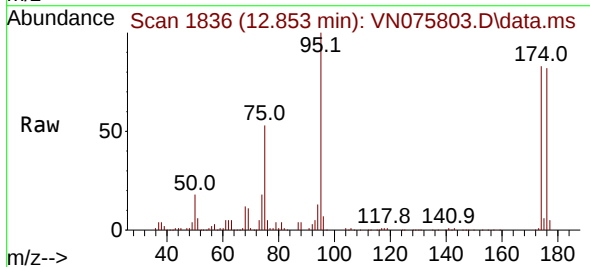
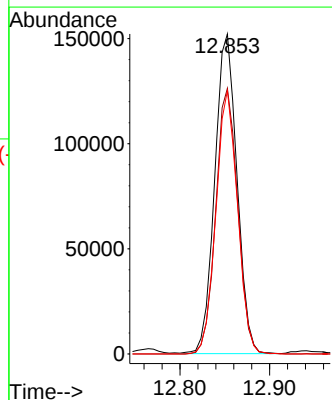
Manual Integrations
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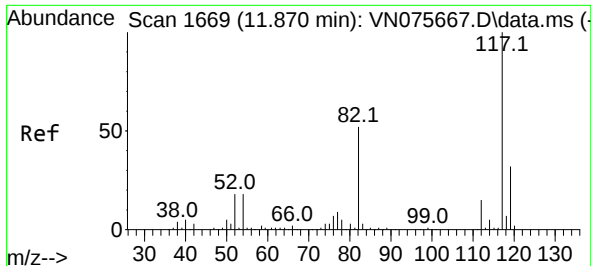
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#62
4-Bromofluorobenzene
Concen: 54.825 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

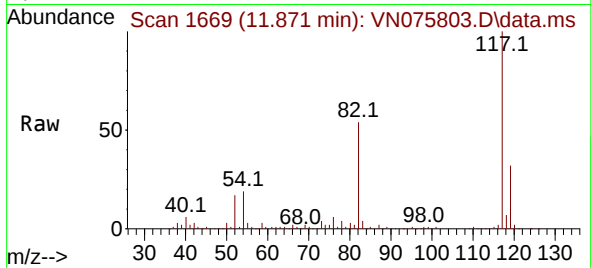
Tgt Ion: 95 Resp: 260953
Ion Ratio Lower Upper
95 100
174 82.1 0.0 171.6
176 80.0 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

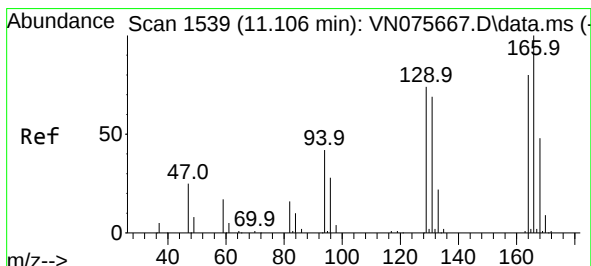
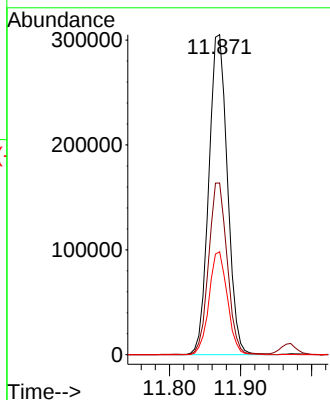
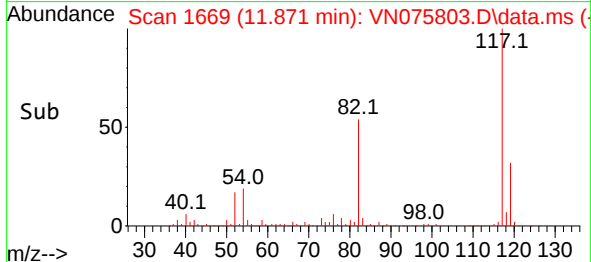
Instrument :
MSVOA_N
ClientSampleId :
DUP120822



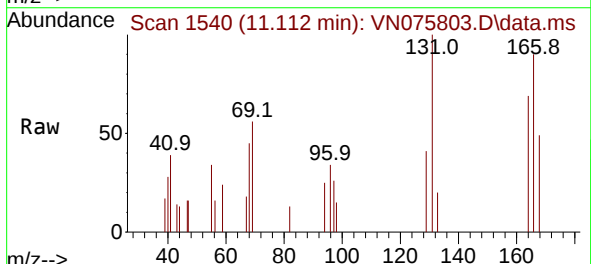
Tgt Ion:117 Resp: 55544
Ion Ratio Lower Upper
117 100
82 53.5 41.3 61.9
119 32.1 24.6 37.0

Manual Integrations
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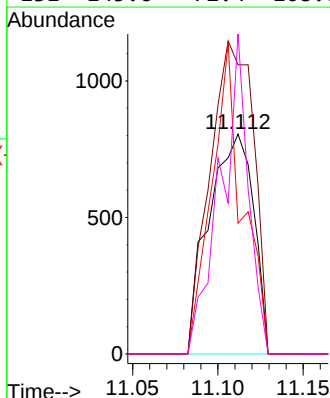
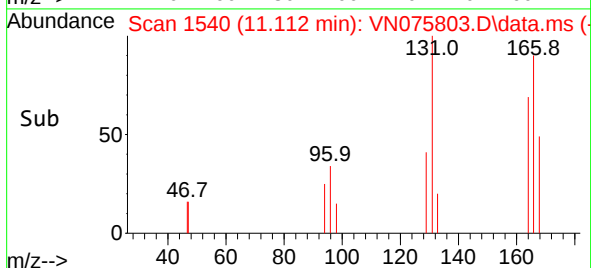
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

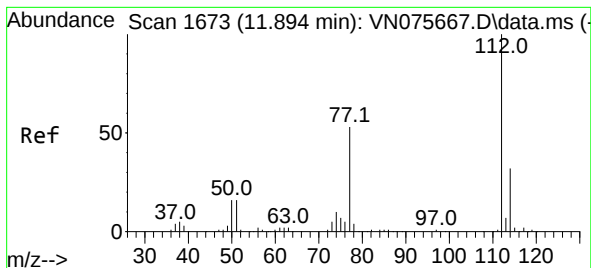


#64
Tetrachloroethene
Concen: 0.376 ug/l
RT: 11.112 min Scan# 1540
Delta R.T. 0.006 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27



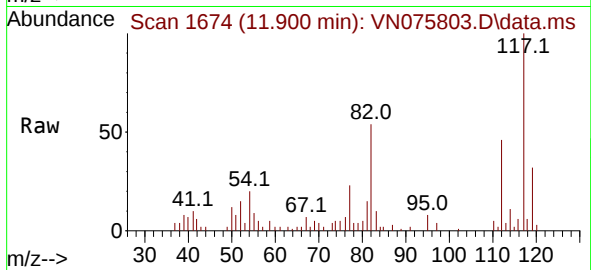
Tgt Ion:164 Resp: 1469
Ion Ratio Lower Upper
164 100
166 131.6 101.9 152.9
129 59.5 74.2 111.2#
131 145.6 72.4 108.6#





#65
Chlorobenzene
Concen: 0.826 ug/l
RT: 11.900 min Scan# 1673
Delta R.T. 0.006 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

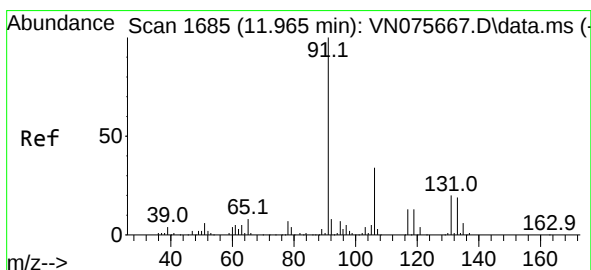
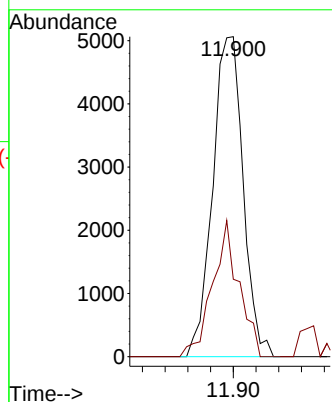
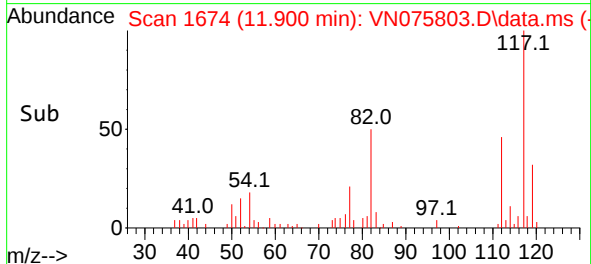
Instrument :
MSVOA_N
ClientSampleId :
DUP120822



Tgt Ion:112 Resp: 941
Ion Ratio Lower Upper
112 100
114 24.2 24.7 37.1

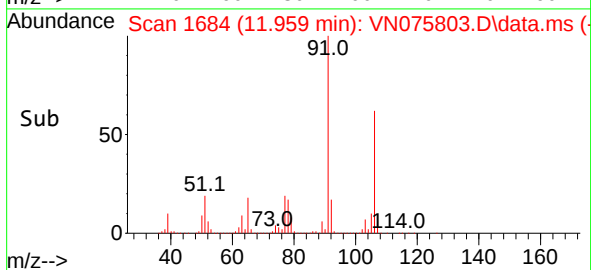
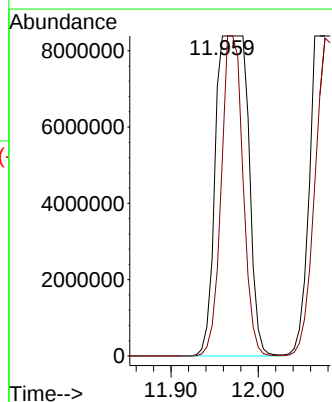
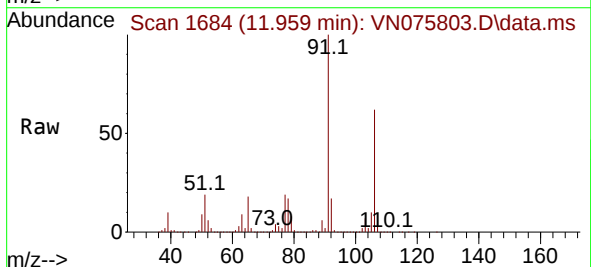
Manual Integrations
APPROVED

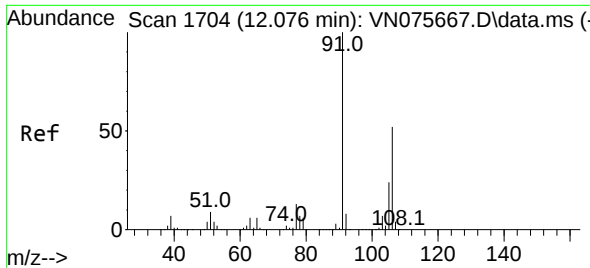
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#67
Ethyl Benzene
Concen: 1140.777 ug/l m
RT: 11.959 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

Tgt Ion: 91 Resp:21949745
Ion Ratio Lower Upper
91 100
106 62.3 25.7 38.5





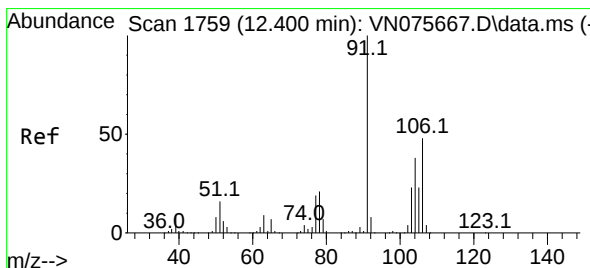
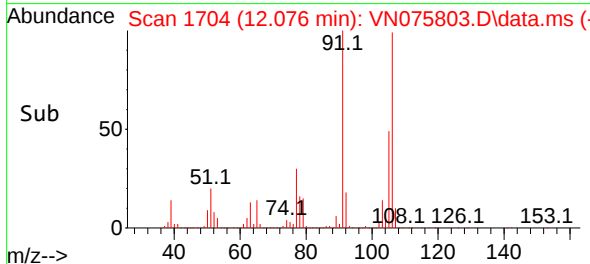
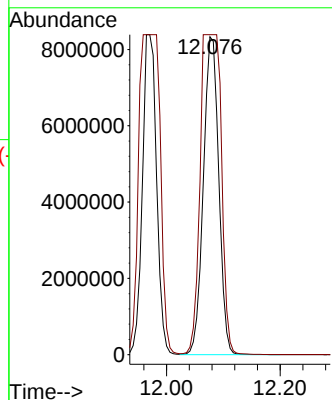
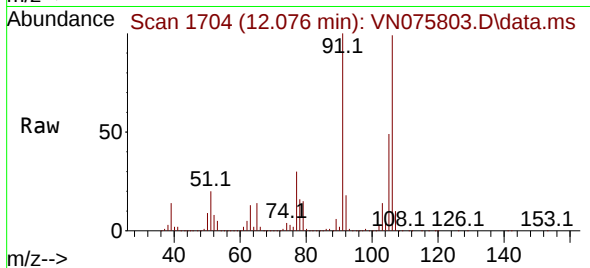
#68
m/p-Xylenes
Concen: 2047.743 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

Instrument :
MSVOA_N
ClientSampleId :
DUP120822

Tgt Ion:106 Resp:15594745
Ion Ratio Lower Upper
106 100
91 0.0 156.6 235.0

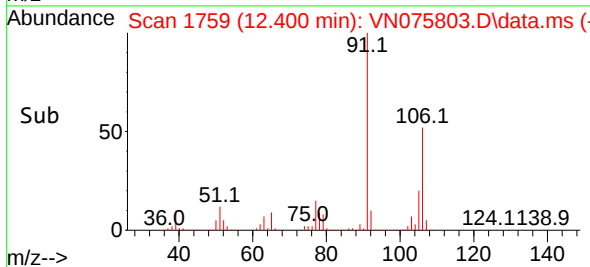
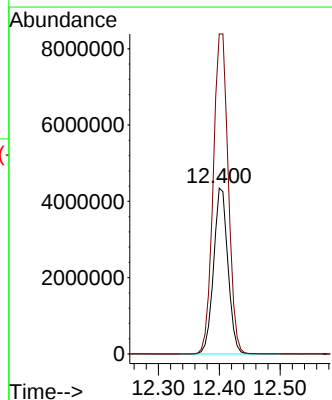
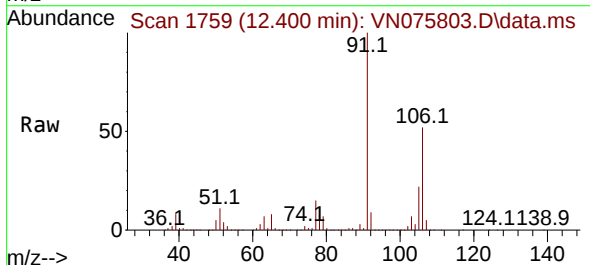
Manual Integrations
APPROVED

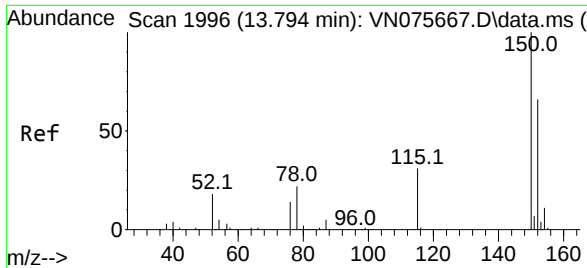
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022



#69
o-Xylene
Concen: 939.331 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

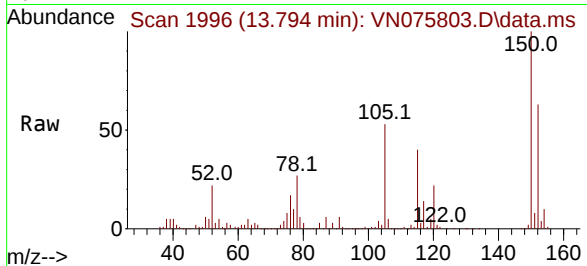
Tgt Ion:106 Resp: 7079203
Ion Ratio Lower Upper
106 100
91 203.3 103.8 311.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

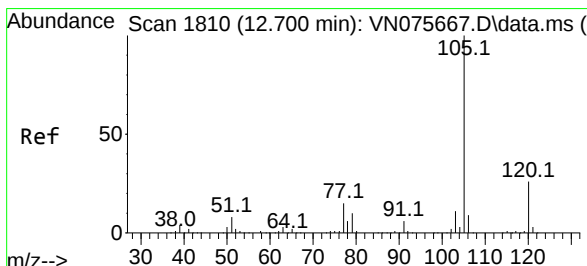
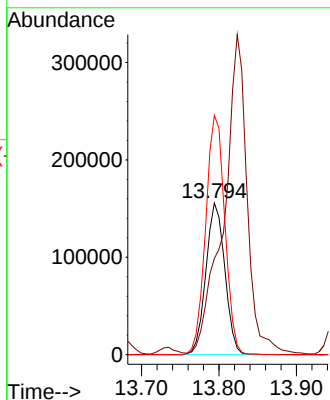
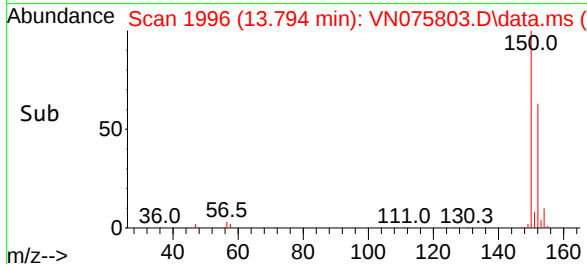
Instrument :
MSVOA_N
ClientSampleId :
DUP120822



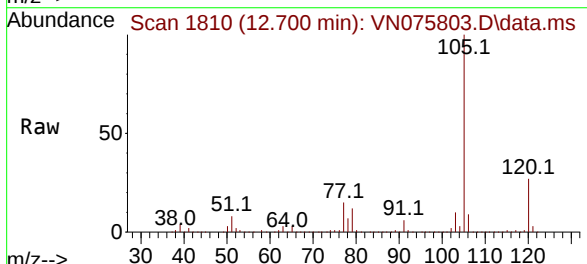
Tgt Ion:152 Resp: 26418
Ion Ratio Lower Upper
152 100
115 0.0 29.1 87.4
150 159.6 0.0 347.0

Manual Integrations
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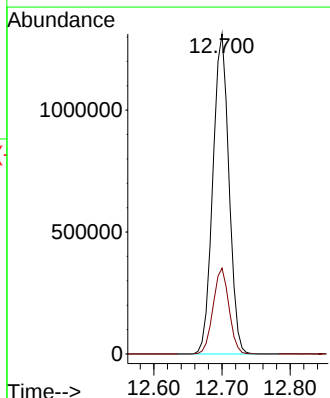
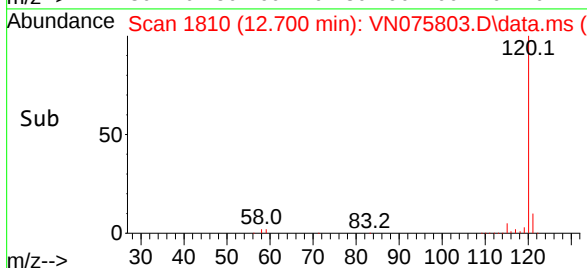
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

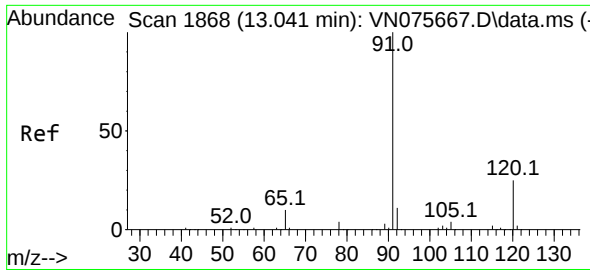


#73
Isopropylbenzene
Concen: 112.774 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27



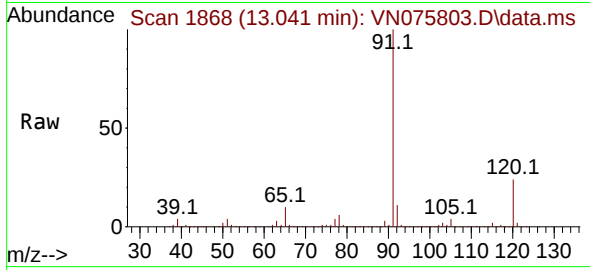
Tgt Ion:105 Resp: 2152998
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2





#78
n-propylbenzene
Concen: 340.101 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

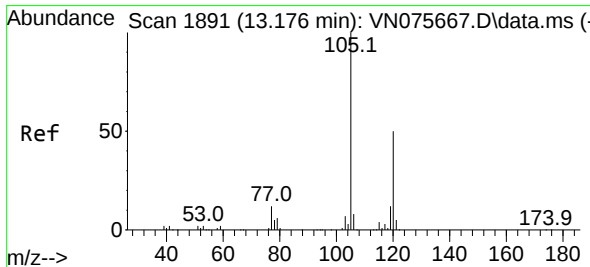
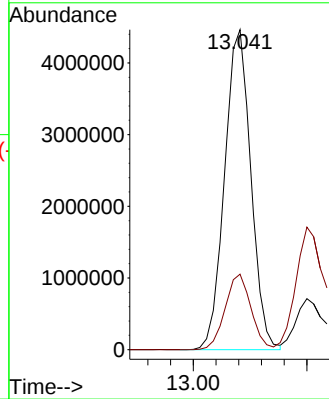
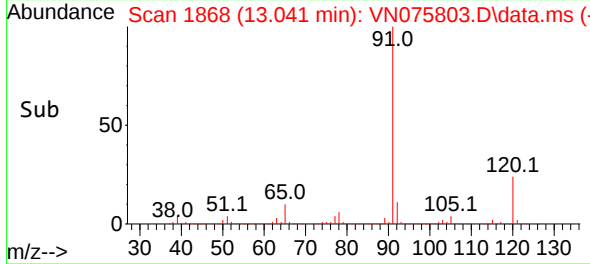
Instrument :
MSVOA_N
ClientSampleId :
DUP120822



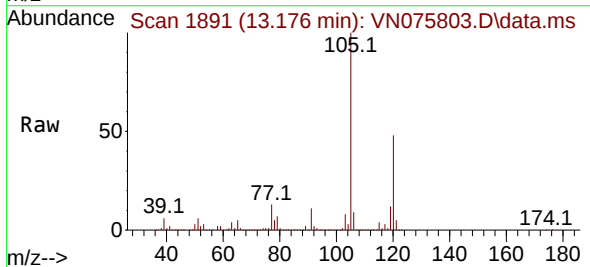
Tgt Ion: 91 Resp: 7161390
Ion Ratio Lower Upper
91 100
120 23.3 12.0 36.1

Manual Integrations
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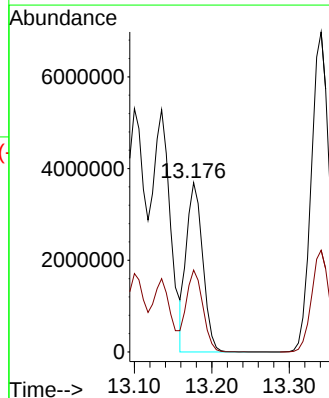
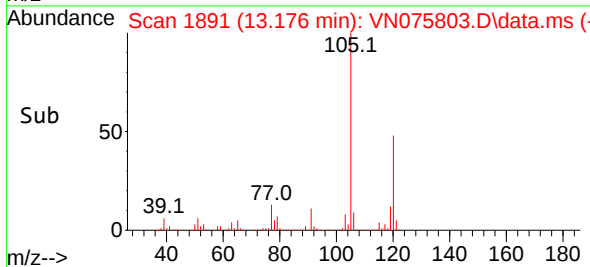
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

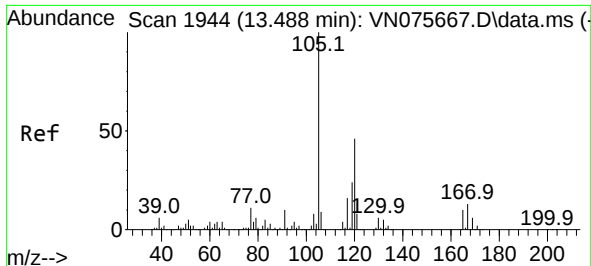


#80
1,3,5-Trimethylbenzene
Concen: 338.155 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27



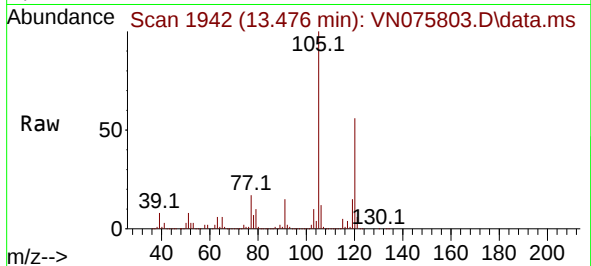
Tgt Ion:105 Resp: 5403193
Ion Ratio Lower Upper
105 100
120 51.6 24.7 74.1





#84
1,2,4-Trimethylbenzene
Concen: 1237.387 ug/l m
RT: 13.476 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

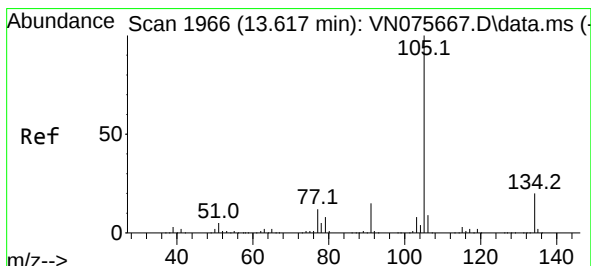
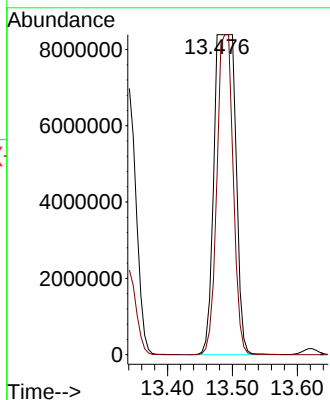
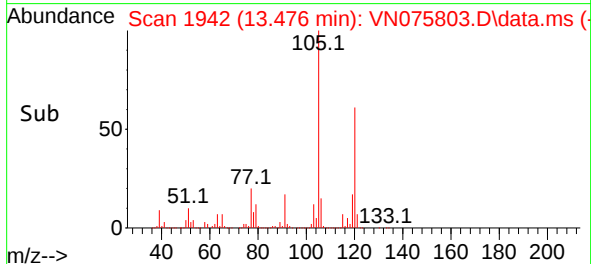
Instrument :
MSVOA_N
ClientSampleId :
DUP120822



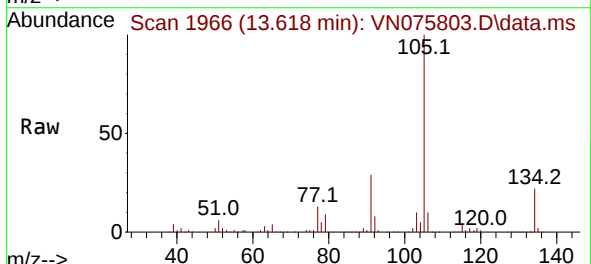
Tgt Ion:105 Resp:1961413
Ion Ratio Lower Upper
105 100
120 18.0 23.3 69.8

Manual Integrations
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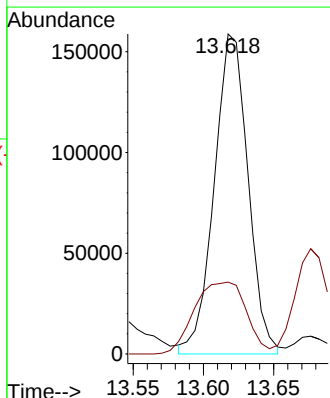
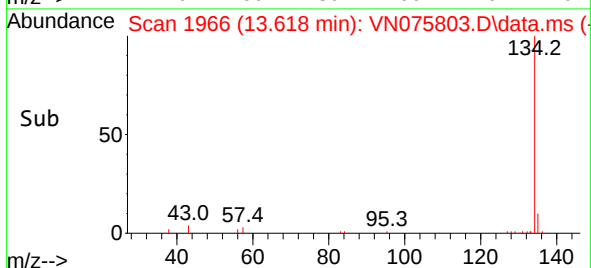
Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

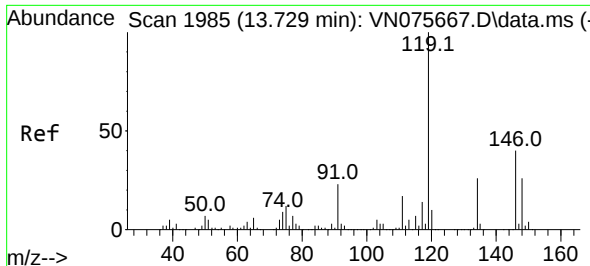


#85
sec-Butylbenzene
Concen: 13.638 ug/l m
RT: 13.618 min Scan# 1966
Delta R.T. 0.000 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27



Tgt Ion:105 Resp: 265181
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1





#86

p-Isopropyltoluene

Concen: 8.195 ug/l

RT: 13.735 min Scan# 1985

Delta R.T. 0.006 min

Lab File: VN075803.D

Acq: 15 Dec 2022 06:27

Instrument :

MSVOA_N

ClientSampleId :

DUP120822

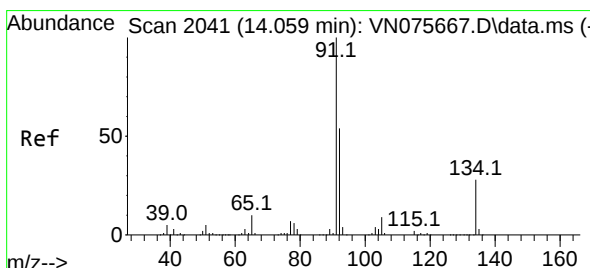
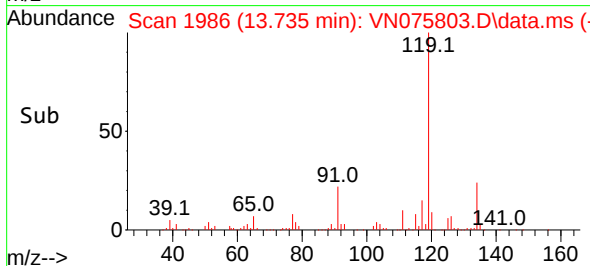
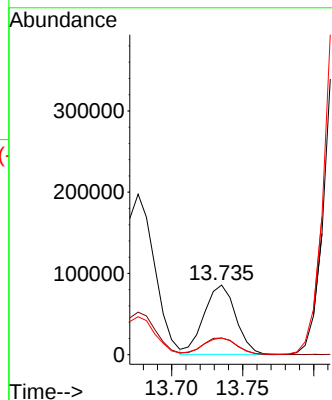
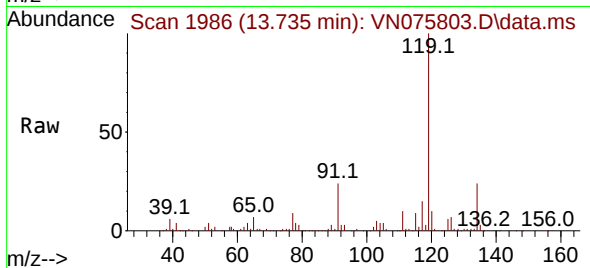
Tgt Ion:119 Resp: 132597
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 0.0 11.2 33.6

Manual Integrations

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Reviewed By :John Carlone 12/15/2022

Supervised By :Mahesh Dadoda 12/15/2022



#89

n-Butylbenzene

Concen: 19.311 ug/l

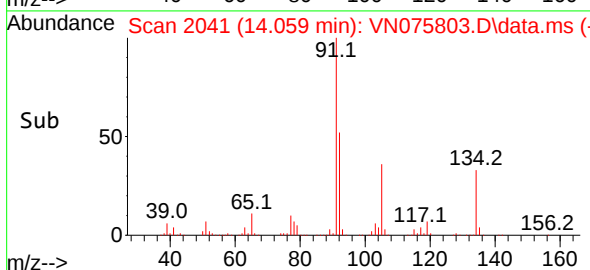
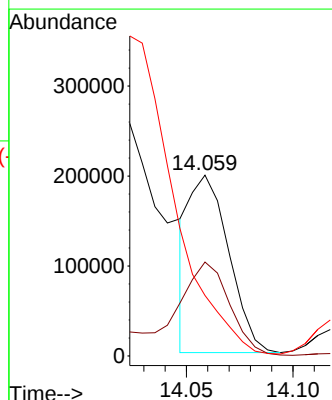
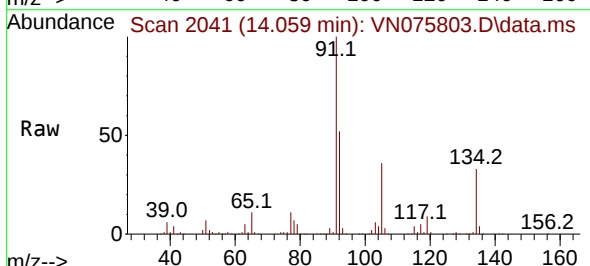
RT: 14.059 min Scan# 2041

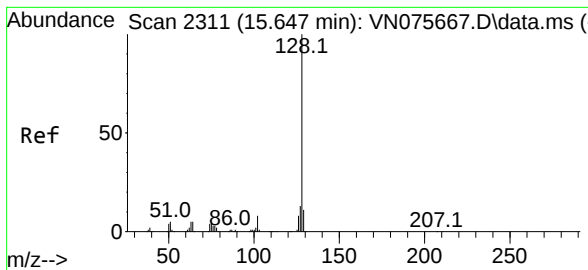
Delta R.T. 0.000 min

Lab File: VN075803.D

Acq: 15 Dec 2022 06:27

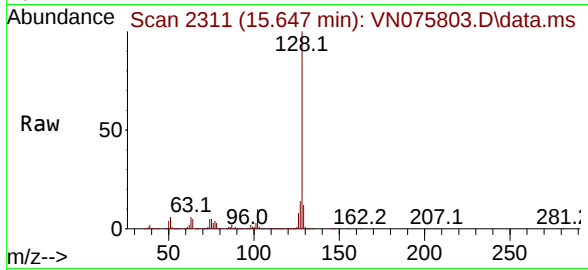
Tgt Ion: 91 Resp: 253116
 Ion Ratio Lower Upper
 91 100
 92 68.3 26.4 79.2
 134 0.0 13.4 40.2





#95
Naphthalene
Concen: 882.164 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075803.D
Acq: 15 Dec 2022 06:27

Instrument :
MSVOA_N
ClientSampleId :
DUP120822



Tgt Ion:128 Resp:13228529
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 11.4 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/15/2022
Supervised By :Mahesh Dadoda 12/15/2022

